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ORTHOTICS, PROSTHETICS, & MOBILITY AIDS

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ORTHOTICS, PROSTHETICS, & MOBILITY AIDS

Of the 43 million Americans with disabilities, approximately 38 per cent have mobility limitations. More than 2 million use wheelchairs for mobility. Individuals with health conditions such as mental retardation, spinal cord injury, stroke, cancer, myocardial infarction, orthopaedic impairments, and arthritis may also have mobility restrictions. Now and in the future a larger proportion of the population will be candidates for ambulation aids of various types. Parallel with this increasing demand is the development of new technologies and materials in other fields that have the potential to contribute to improved mobility devices. As rehabilitation researchers begin to explore the science of and ways to improve human mobility, a number of new paradigms will emerge advancing ambulation aids as well as their use.

A conference on "Prosthetic/Orthotic Research for the Twenty-first Century" was held in Bethesda, MD in July 1992. The purpose of the conference was to bring together clinicians, researchers, and consumers to discuss potential research areas. This bibliography was prepared as a result of discussion at that conference.

The bibliography surveys English and foreign language literature from January 1989 through June 1993 discussing artificial limbs, orthotic devices, neuroprostheses, wheelchairs, walkers, canes, crutches, and other devices or technologies such as computers, robotics, functional electrical stimulation, and myoelectric devices to aid in mobility. Some earlier articles are included in the historical section. Journal articles, books, book chapters, technical reports, conference proceedings and reports, dissertations, theses, and audiovisuals are included. Arrangement of the bibliography is by subject and format. Most categories are listed alphabetically by author, and citations may be indexed to more than one category. The audiovisuals section is arranged alphabetically by title. Some categories have been further subdivided to highlight areas such as use, design, and clinical effectiveness. An appendix of national organizations is provided at the end of the bibliography.

The term "prosthetics" as used in this bibliography denotes artificial limbs and does not include what are called implanted prosthetics such as total knee or total hip replacements, or other devices such as cochlear implants, penile prostheses, or heart prostheses. This resource document is intended to facilitate research on the topic of ambulation aids and is not exhaustive in scope.

SEARCH STRATEGY

A variety of online databases are usually searched in preparing bibliographies in the CBM series. To assist you in updating or otherwise manipulating the material in this search, the strategy used for the NLM's MEDLINE database is given below. Please note that the search strategies presented here differ from individual demand searches in that they are generally broadly formulated and irrelevant citations edited out prior to printing.

SS 1 = ARTIFICIAL LIMBS OR EXP ORTHOTIC DEVICES OR WHEELCHAIRS OR
WALKERS OR CANES OR CRUTCHES
SS 2 = (TW) NEURAL AND ALL PROSTHE: OR ALL NEUROPROSTH:
SS 3 = (TW) ALL PROSTHETIST: OR ALL ORTHOTIST:
SS 4 = EXP PARALYSIS OR EXP SPINAL CORD INJURIES
SS 5 = EXP ELECTRIC STIMULATION
SS 6 = (TW) ALL PROSTHETIST: OR ALL ORTHOTIST:
SS 7 = AMPUTEES OR EXP AMPUTATION OR AMPUTATION STUMPS OR
AMPUTATION, TRAUMATIC
SS 8 = EXP PROSTHESIS OR PROSTHESIS DESIGN OR
PROSTHESIS-RELATED INFECTIONS OR PROSTHESIS FAILURE
SS 9 = EXP CYBERNETICS OR ROBOTICS OR EXP COMPUTERS
SS 10= 4 OR 7
SS 11= 5 AND 10
SS 12= 8 OR 9
SS 13= 10 AND 12
SS 14= 9 AND EXP DISABLED
SS 15= 9 AND REHABILITATION (SH) OR 9 AND EXP REHABILITATION
SS 16= 1 OR 2 OR 3 OR 6 OR 11 OR 13 OR 14 OR 15

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SAMPLE CITATIONS

Citations in this bibliographic series are formatted according to the rules established for *Index Medicus*®*. Sample journal and monograph citations appear below. For journal articles written in a foreign language, the English translation of the title is placed in brackets; for monographs, the title is given in the original language. In both cases the language of publication is shown by a three letter abbreviation appearing at the end of the citation. Note also that a colon (:) may appear within an author's name or article title. The NLM computer system automatically inserts this symbol in the place of a diacritical mark.

Journal Article:

Authors *Article Title*

Press JM, Wiesner SL. Prevention: conditioning and orthotics.
Hand Clin 1990 Aug;6(3):383-92.

Abbreviated Journal Title *Date* *Volume* *Issue* *Pages*

Monograph:

Authors/Editors *Title*

Shurr DG, Cook TM. Prosthetics & orthotics.
Norwalk (CT): Appleton & Lange; 1990. 225 p.

Place of Publication *Publisher* *Date* *Total No. of Pages*

Audiovisual:

Title *Media Type* *Place of Publication*

Shake, rattle & roll: wheelchair dancing [videocassette]. Greenville (NC):
East Carolina University, Center for Health Sciences Audiovisual
Communication; 1989. 1 videocassette: sound, color, 1/2 in.

Publisher *Date* *Physical Description*

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*For details of the formats used for references, *see* the following publication:

Patrias, Karen. *National Library of Medicine recommended formats for bibliographic citation.* Bethesda (MD): The Library; 1991 Apr. Available from: NTIS, Springfield, VA; PB91-182030.

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HISTORY

Ata-Abadi R, Idelberger K. [History of the orthopedic foot-support (author's transl)]. Z Orthop 1974 Apr; 112(2):354-61. (Ger).

Bazilevskaia ZV. [E.K. Molodaia and her contribution to prosthesis]. Ortop Travmatol Protez 1978 Jun; (6):88-9. (Rus).

Carter AJ. Hugh Owen Thomas: the cripple's champion. BMJ 1991 Dec 21-28;303(6817): 1578-81.

Childress DS. Hector Kay, Alan Kay, and the future of prosthetics and orthotics (Hector Kay Memorial Lecture). J Assoc Child Prosthet Orthot Clin 1989 Summer-Autumn;24(2-3):40-6.

Dismembering. Appl Ther 1967 Jun;9(6):536.

[Dmitrii Ivanovich Gritskevich]. Ortop Travmatol Protez 1967 Jan;28(1):94. (Rus).

Dobrin L. Origin and evolution of the walkerette. Mt Sinai J Med 1980 Mar-Apr;47(2):172-4.

Dziak A. [Some history of the prosthesis of the extremities]. Pieleg Polozna 1988;(10):16. (Pol).

Ena YM. Instruments and other medical articles of the Eastern Slavs. Biomed Eng (NY) 1974 Jul;7(5): 309-11.

Ena YM. [Instruments and other medical devices among the Eastern Slavs]. Med Tekh 1973 Sep-Oct;7(5):47-50. (Rus).

Evolution of the modern above knee socket [videocassette]. Atlanta: Emory University Medical Network; 1991. 1 videocassette: 46 min., sound, color, 1/2 in.

Filatov VI. [100th anniversary of Russian prosthetics (1883-1983)]. Ortop Travmatol Protez 1983 Mar; (3):61-3. (Rus).

Filatov VI, Pevzner MS. [On the centennial of the birth of G. A. Albrecht]. Ortop Travmatol Protez 1978 Oct;(10):83-5. (Rus).

Fliegel O, Feuer SG. Historical development of lower-extremity prostheses. Arch Phys Med Rehabil 1966 May;47(5):275-85.

Friedmann LW. Amputation in pre-Columbian America. Arch Phys Med Rehabil 1973 Jul; 54(7):323-5.

Friedmann LW, Padula PA. Congenital limb defects and prostheses before the seventeenth century. Angiology 1988 Jun;39(6):548-54.

Galitsa TP, Sil'vai KK. [Basic facts of the development of prosthetic-orthopedic aid in Ukraine]. Ortop Travmatol Protez 1972 Oct; 33(10):1-6. (Rus).

Geissler C. Description and illustration of artificial hands and arms. Med Prog Technol 1974;2(3): 171-4.

Goldner JL. Advances in care of the foot: 1800 to 1987. Orthopedics 1987 Dec;10(12):1817-36.

Groch J. Advances in artificial hands. Med Trial Tech Q 1974 Fall;21(2):171-7.

Grosch G. [The development of orthopedics and traumatology in Nuremberg and surroundings (author's transl)]. Z Orthop 1974 Oct;112(5): 1146-51. (Ger).

Harko V. [The role Gyula Dollinger in the manufacturing of modern artificial limbs in Hungary]. Orv Hetil 1974 May 5;115(18):1057-61. (Hun).

Heim M, Steinbach T. Update on the use of orthotics in hemophilia. Orthop Rev 1988 Oct;17(10):975-8.

James WV, Orr JF. The Pringle and Kirk four-bar crossed linkage and the "safety-knee." Prosthet Orthot Int 1986 Apr;10(1):23-6.

James WV, Orr JF. Surgeon Kirk, Mr. Pringle and the "P & K" arm. Ulster Med J 1983;52(2):107-12.

Johnston JM, Paulos LE. Prophylactic lateral knee braces. Med Sci Sports Exerc 1991 Jul;23(7): 783-7.

Jonecko A. [Woodcut depicting an amputated leg and prosthesis in the Silesian poem "Officina ferraria" by Rozdzienski, 1612]. Arch Hist Med (Warsz) 1984;47(1):107-16. (Pol).

Kamenetz HL. A brief history of the wheelchair. J Hist Med Allied Sci 1969 Apr;24(2):205-10.

Kondrashin NI, Gritskevich DI. [TsNIIPP (Central Scientific Research Institute of Prosthesis and Prosthesis Construction)--35th anniversary]. Ortop Travmatol Protez 1978 Oct;(10):86-9. (Rus).

Kondrashin NI, Iaremenko DA. [The role of the Kharkov M.I. Sitenko Scientific Research Institute of Orthopedics and Traumatology in the development of Russian Prosthetics and Orthotics (on the 80th anniversary of the founding of the Institute)]. Ortop Travmatol Protez 1988 Jan;(1): 71-4. (Rus).

Kotov AP. [Fundamental stages in the development of prosthesis in the Ukraine after the October Revolution]. Ortop Travmatol Protez 1967 Jun; 28(6):66-71. (Rus).

Kotov AP. [On the history of prosthetics in the Ukraine (The Ukrainian Scientific-Research Institute of Prosthetics)]. Ortop Travmatol Protez 1966 Apr;27(4):74-9. (Rus).

Levay D. History of orthopaedics: an account of the study and practice of orthopaedics from the earliest times to the modern era. Lancaster (UK): Parthenon; 1990. Amputations and prostheses; p. 479-87.

The limb deficient child. ISPO symposium, Heidelberg, August 1988. Prosthet Orthot Int 1991 Aug;15(2): 65-162.

Marincek C. The iron hand from Slovenia. Prosthet Orthot Int 1992 Dec;16(3):153-6.

Marquardt E, Fisk JR. Thalidomide children: thirty years later. J Assoc Child Prosthet Orthot Clin 1992 Summer;27(1):3-10.

Martins FL, Martins LS, Davin P. [A myoelectric prosthesis for the forearm amputee]. Acta Med Port 1989 Nov-Dec;2(6):297-301. (Por).

McWilliam R, Montgomery SR. Artificial arms--are they practical? Med Biol Illus 1969 Oct;19(4): 200-1.

Moe JH. 38 years' experience in scoliosis treatment. Arch Putti Chir Organi Mov 1985;35:11-20.

Murphy EF. 1945-1970--and then? Bull Prosthet Res 1970 Spring;10(13):1-5.

Murphy EF. Tonnes Dennison, 1894-1976. Bull Prosthet Res 1977 Fall:251-3.

Mustapha NM. Artificial limbs, past, present and future. NATNEWS 1985 Feb;22(2 Suppl):18-20.

Northway RO Jr, Alexander RG, Riolo ML. A cephalometric evaluation of the old Milwaukee brace and the modified Milwaukee brace in relation to the normal growing child. Am J Orthod 1974 Apr;65(4):341-63.

Novachenko NP, Korzh AA, El'iashberg FE. [60 years' activity of the M. I. Sitenko Kharkov Scientific Research Institute of Prosthesis-Fitting, Orthopedics and Traumatology]. Ortop Travmatol Protez 1967 Mar;28(3):75-84. (Rus).

Oberg K. Cost-benefits in orthopaedic technology by using thermoplastics in developing countries. Prosthet Orthot Int 1991 Apr;15(1):18-22.

Orr JF, James WV, Bahrani AS. The history and development of artificial limbs. Eng Med 1982 Oct;11(4):155-61.

Padula PA, Friedmann LW. Acquired amputation and prostheses before the sixteenth century. Angiology 1987 Feb;38(2 Pt 1):133-41.

Pavlik A. The functional method of treatment using a harness with stirrups as the primary method of conservative therapy for infants with congenital dislocation of the hip. 1957 [classical article]. Clin Orthop 1992 Aug;(281):4-10.

Pike AC, Nattress LW Jr. The changing role of the amputee in the rehabilitation process. Phys Med Rehabil Clin North Am 1991 May;2(2):405-14.

Popov BP, Zhuravlev AM. [Certain achievements and perspectives of scientific research in prosthetics]. Ortop Travmatol Protez 1970 Mar;31(3):1-4. (Rus).

Riches E. Artificial limbs made by Col. Julian Taylor in a prisoner of war camp. Ann R Coll Surg Engl 1966 Dec;39(6):373-5.

Robins R. An old Cornish hand. J Hand Surg [Br] 1984 Jun;9(2):199-200.

Romm S. Arms by design: from antiquity to the Renaissance. Plast Reconstr Surg 1989 Jul;84(1): 158-63.

Romm S. Thomas Brian Gunning and his splint. Plast Reconstr Surg 1986 Aug;78(2):252-8.

Roth N. Bioengineering: science of the cyborg. Med Instrum 1978 Sep-Oct;12(5):303.

Ruskin AP, Rosner H, Saperstein H. Bent-knee prosthesis. Geriatrics 1970 Jul;25(7):109-14.

Rydell N. [The myoelectric hand]. Lakartidningen 1980 Feb 27;77(9):758. (Swe).

Shenk NA, Popov BP. [The development of prosthesis and prosthetic design as a science in the RSFSR during the past 50 years]. Ortop Travmatol Protez 1967 Nov;28(11):13-20. (Rus).

Shumada IV, Gorodniaia VN. [Role of the Kiev school of orthopedists in the development of prosthetics and prosthesis construction in the Ukraine]. Ortop Travmatol Protez 1984 Jan;(1): 69-70. (Rus).

Stewart RE. Variants of the PTB (patellar-tendon-bearing) below-knee prosthesis. Bull Prosthet Res 1970 Spring;10(13):120-34.

Takechi H. History of prostheses and orthoses in Japan. Prosthet Orthot Int 1992 Aug;16(2):98-103.

Webling DD, Fahrer M. Early bent knee prostheses: ancestors of K9. Br Med J (Clin Res Ed) 1986 Dec 20-27;293(6562):1636-7.

Wedlick LT. External power and recent concepts in control of limb prostheses. Med J Aust 1969 Feb 8;1(6):278-80.

Wilson AB Jr. History of amputation surgery and prosthetics. In: Bowker JH, Michael JW, eds. Atlas of limb prosthesis: surgical, prosthetic, and rehabilitation principles. St. Louis: Mosby Year Book; 1992. p. 3-15.

Wilson AB Jr. Limb prosthetics. 6th ed. New York: Demos; 1989. The history of limb prosthetics; p. 1-10.

Wilson AB Jr. The modern history of amputation surgery and artificial limbs. Orthop Clin North Am 1972 Jul;3(2):267-85.

Wirta RW, Taylor DR, Finley FR. Pattern-recognition arm prosthesis: a historical perspective-a final report. Bull Prosthet Res 1978 Fall:8-35.

STANDARDS & CLASSIFICATION

Advances in rehabilitation technology. NSC-88. North Sea Conference on Biomedical Engineering. Maastricht, The Netherlands, April 13-15, 1988. Proceedings. J Med Eng Technol 1989 Jan-Apr; 13(1-2):1-157.

Ambulation aids. Health Devices 1991 Jan;20(1):5-22.

Amirova EK, Efimov VA, Kuzhekin AP, Lunina NV, Slepchenko AN, Ul'ianov SV, Khanukaev AS, Shakhnazarov MM, Shakhnazarova IV, Shishkin BV. [An expert system for choosing prostheses for the lower extremities (hip) and assessing the quality of the prosthesis. I.]. Med Tekh 1991 May-Jun;(3):26-31. (Rus).

Amirova EK, Efimov VA, Kuzhekin AP, Lunina NV, Slepchenko AN, Ul'ianov SV, Khanukaev AS, Shakhnazarov MM, Shakhnazarova IV, Shishkin BV. [Expert system of choosing lower limb (thigh) prosthesis and diagnosis of the quality of prosthetics (II)]. Med Tekh 1991 Nov-Dec;(6): 5-12. (Rus).

Banzinger E. Technical note: thermoplastic Klenzak AFO. J Prosthet Orthot 1992 Jul;4(4):219-22.

Batavi AI, Hammer GS. Toward the development of consumer-based criteria for the evaluation of assistive devices. J Rehabil Res Dev 1990 Fall; 27(4):425-36.

Behrman AL. Factors in functional assessment. J Rehabil Res Dev Clin Suppl 1990;(2):17-30.

Bierling-Sorensen F, Ryde H, Bojsen-Moller F, Lyquist E. Shock absorbing material on the shoes of long leg braces for paraplegic walking. Prosthet Orthot Int 1990 Apr;14(1):27-32.

Blocker WP Jr. How to help your patient choose the right wheelchair. Postgrad Med 1990 Oct;88(5): 243, 246, 251-2.

Brasile FM. Performance evaluation of wheelchair athletes: more than a disability classification level issue. Adapt Phys Activ Q 1990 Oct;7(4):289-97.

Bresnahan PJ, Lubert MA. The Tibial Torsion Transformer. J Am Podiatr Med Assoc 1992 Jan; 82(1):42-4.

Brienza DM, Inigo RM, Chung KC, Brubaker CE. Seat support surface optimization using force feedback. IEEE Trans Biomed Eng 1993 Jan;40(1): 95-104.

Brodke DS, Skinner SR, Lamoreux LW, Johanson ME, St. Helen R, Moran SA, Ashley RK. Effects of ankle-foot orthoses on the gait of children. J Pediatr Orthop 1989 Nov-Dec;9(6):702-8.

Brubaker CE, ed. Wheelchair IV: report of a conference on the state-of-the art of powered wheelchair mobility; 1988 Dec 7-9; Charlottesville, VA. Washington (DC): RESNA Press; 1989. 139 p.

Budiman-Mak E, Conrad KJ, Roach KE. The Foot Function Index: a measure of foot pain and disability. J Clin Epidemiol 1991;44(6):561-70.

Canale I, Felici F, Marchetti M, Ricci B. Ramp length/grade prescriptions for wheelchair dependent individuals. Paraplegia 1991 Sep;29(7):479-85.

Cappozzo A, Felici F, Figura F, Marchetti M, Ricci B. Prediction of ramp traversability for wheelchair dependent individuals. Paraplegia 1991 Sep;29(7): 470-8.

Casillas JM, Aurelle B, Coget P, Becker F, Marcer I, Didier JP. Transcutaneous oxygen tension. How to choose prosthetics for below knee amputation. Ann Readapt Med Phys 1990 Dec;33(6):553-61.

Cawley PW, France EP, Paulos LE. Comparison of rehabilitative knee braces. A biomechanical investigation. Am J Sports Med 1989 Mar-Apr; 17(2):141-6.

Cawley PW, France EP, Paulos LE. The current state of functional knee bracing research. A review of the literature. Am J Sports Med 1991 May-Jun; 19(3):226-33.

Chase AP, Bader DL, Houghton GR. The biomechanical effectiveness of the Boston brace in the management of adolescent idiopathic scoliosis. Spine 1989 Jun;14(6):636-42.

Christel P. The regulation of orthopaedic devices in France. J Biomed Mater Res 1989 Apr; 23(A1 Suppl):3-7.

Cooper RA. Wheelchair racing sports science: a review. J Rehabil Res Dev 1990 Summer;27(3): 295-312.

Craven PL. The development from a medical classification to a player classification in wheelchair basketball. In: Doll-Tepper G, Dahms C, Doll B, von Selzam H, eds. Adapted physical activity: an interdisciplinary approach. Proceedings of the 7th International Symposium; 1989 Jun; Berlin. New York: Springer-Verlag; 1990. p. 81-6.

Crewe R. Standards of wheelchairs [letter]. BMJ 1989 Jul 1;299(6690):53-4.

Curtis KA. Sport specific functional classification for wheelchair athletes. Sports Spokes 1991 Jul-Aug: 45-8.

Day HJ. The ISO/ISPO classification of congenital limb deficiency. Prosthet Orthot Int 1991 Aug; 15(2):67-9.

Diamond MF, Ottenbacher KJ. Effect of a tone-inhibiting dynamic ankle-foot orthosis on stride characteristics of an adult with hemiparesis. Phys Ther 1990 Jul;70(7):423-30.

DiGaudio KM, Msall ME. Guidelines for safe transportation of children in wheelchairs. Am J Dis Child 1991 Jun;145(6):653-5.

Dijkers MP, deBear PC, Erlandson RF, Kristy K, Geer DM, Nichols A. Patient and staff acceptance of robotic technology in occupational therapy: a pilot study. J Rehabil Res Dev 1991 Spring;28(2):33-44.

Dudley NJ. Wheelchair safety [letter]. Lancet 1993 Jan 23;341(8839):246.

Durance JP, Warren WK, Kerbel DB, Stroud TW. Rehabilitation of below-knee amputees: factors influencing outcome and costs in three programmes. Int Disabil Stud 1989 Jul-Sep;11(3):127-32.

Ehrler S, Buch-Jaeger N. [Hand prosthesis. Conception and surveillance]. Soins Chir 1991 May;(123):34-6. (Fre).

Eng JJ, Pierrynowski MR. Evaluation of soft foot orthotics in the treatment of patellofemoral pain syndrome. Phys Ther 1993 Feb;73(2):62-8; discussion 68-70.

Farmer MR. Controlling anterior tibial displacement under static load: a comparison of two braces [letter]. Orthopedics 1989 Mar;12(3):354-6.

Ferstle J, Stewart P. Wheelchair road racing guidelines. Road Race Manage 1989 Oct;93:1, 6-7.

Franks CA, Palisano RJ, Darbee JC. The effect of walking with an assistive device and using a wheelchair on school performance in students with myelomeningocele. Phys Ther 1991 Aug;71(8): 570-7; discussion 577-9.

Garber SL, Dyerly LR. Wheelchair cushions for persons with spinal cord injury: an update. Am J Occup Ther 1991 Jun;45(6):550-4.

Garland LA, Dorion SL, Vietinghoff HE. Development of a standard interface concept for securing wheelchairs in accessible vehicles. Ottawa (Canada): Centre for Studies on Aging; 1989. 118 p.

Garrett RE, Hartridge M, Seeger BR. Comparative evaluation of chargers for wheelchair gel cell batteries. Australas Phys Eng Sci Med 1990 Sep; 13(3):148-56.

Gehlsen GM, Karpuk J. Analysis of the NWAA swimming classification system. Adapt Phys Activ Q 1992 Apr;9(2):141-7.

Gerasimov AI. [A cane with a sliding-prevention device]. Ortop Travmatol Protez 1991 Dec;(12): 47-9. (Rus).

Golding JS, Nathan RH. A third world wheelchair. Int Disabil Stud 1987;9(1):38-40.

Hall J, Clarke AK. Walking frames [letter]. BMJ 1990 May 5;300(6733):1199.

Hall J, Elvins DM, Burke SJ, Ring EF, Clarke AK. Heart rate evaluation of axillary and elbow crutches. J Med Eng Technol 1991 Nov-Dec;15(6): 232-8.

Ham R, Roberts VC. Standards of wheelchairs [letter]. BMJ 1989 Jun 3;298(6686):1522.

Harburn KL, Hill KM, Kramer JF, Noh S, Vandervoort AA, Matheson JE. An overhead harness and trolly system for balance and ambulation assessment and training. Arch Phys Med Rehabil 1993 Feb;74(2): 220-3.

Hartridge M, Seeger BR. International wheelchair standards: a study of costs and benefits. Assist Technol 1990;2(4):117-23.

Heary RF, Hunt CD, Krieger AJ, Antonio C, Livingston DH. Acute stabilization of the cervical spine by halo/vest application facilitates evaluation and treatment of multiple trauma patients. J Trauma 1992 Sep;33(3):445-51.

Higgs C, Babstock P, Buck J, Parsons C, Brewer J. Wheelchair classification for track and field events: a performance approach. Adapt Phys Activ Q 1990;7(1):22-40.

Hughes J. The Knud Jansen Lecture. Education: an investment in everyone’s future. Prosthet Orthot Int 1992 Aug;16(2):90-7.

Johnson KM. What is the best transportation for a person without head control? SCI Nurs 1992 Dec; 9(4):144.

Johnstone KS, Perrin JCS. Sports for the handicapped child. Phys Med Rehabil 1991 Jun;5(2):331-50.

Joyce BM, Kirby RL. Canes, crutches and walkers. Am Fam Physician 1991 Feb;43(2):535-42.

Kenan S, Bloom N, Lewis MM. Limb-sparing surgery in skeletally immature patients with osteosarcoma. The use of an expandable prosthesis. Clin Orthop 1991 Sep;(270):223-30.

Kilmartin TE, Wallace WA, Hill TW. Orthotic effect on metatarsophalangeal joint extension. A preliminary study. J Am Podiatr Med Assoc 1991 Aug;81(8):414-7.

Kirby RL, Kumbhare DA, MacLeod DA. "Bedside" test of static rear stability of occupied wheelchairs. Arch Phys Med Rehabil 1989 Mar;70(3):241-4.

Korzh AA, Iaremenko DA. [What is necessary for raising the quality of prosthetic and orthopedic service to the community?] Ortop Travmatol Protez 1989 Apr;(4):53-7. (Rus).

Kristinsson O. The ICEROSS concept: a discussion of a philosophy. Prosthet Orthot Int 1993 Apr;17(1): 49-55.

Kullmann L, Laszlo G, Molnar F. [Results of amputation and rehabilitation]. Orv Hetil 1991 Mar;32(9):459-63. (Hun).

Lasudry N, Warzee G, Van Rolleghem J. [Image processing and use of CAD in prosthesis manufacturing]. Onde Electr 1991 Jul-Aug; 71(4):45-8 (Fre).

Lemaire ED, Lamontagne M, Barclay HW, John T, Martel G. A technique for the determination of center of gravity and rolling resistance for tilt-seat wheelchairs. J Rehabil Res Dev 1991 Summer; 28(3):51-8.

Lewis G, Tan T, Shiue YS. Characterization of the performance of shoe insert materials. J Am Podiatr Med Assoc 1991 Aug;81(8):418-24.

Limb M, Calnan M. Artificial limbs: a real need. Health Serv J 1990 Nov 15;100(5227):1696-7.

Mahoney J, Euhardy R, Carnes M. A comparison of a two-wheeled walker and a three-wheeled walker in a geriatric population. J Am Geriatr Soc 1992 Mar;40(3):208-12.

Malcus Johnson P, Sandkvist G, Eberhardt K, Liang B, Herrlin K. The usefulness of nocturnal resting splints in the treatment of ulnar deviation of the rheumatoid hand. Clin Rheumatol 1992 Mar;11(1): 72-5.

Marr J, Edmonds V. Cervical orthoses: the issue of patient compliance. J Neurosci Nurs 1990 Apr; 22(2):104-7.

McFarland SR. Seeking information about wheelchair evaluation: a call for action. J Rehabil Res Dev Clin Suppl 1990;(2):86-7.

McKnight PT, Kwoh CK. Randomized, controlled trial of compression gloves in rheumatoid arthritis. Arthritis Care Res 1992 Dec;5(4):223-7.

McLaurin CA, Axelson P. Wheelchair standards: an overview. J Rehabil Res Dev Clin Suppl 1990;(2): 100-3.

Medicare program; carrier jurisdiction for claims for durable medical equipment, prosthetics, orthotics and supplies (DMEPOS) and other issues involving suppliers, and criteria and standards for evaluating regional DMEPOS carriers--HCFA. Final rule with comment period. Fed Regist 1992 Jun 18;57(118): 27290-308.

Michael JW. Re: Below-knee amputee gait with dynamic elastic response prosthetic feet: a pilot study [letter]. J Rehabil Res Dev 1992 Winter; 29(1):x.

Milczarek JJ, Kirby RL, Harrison ER, MacLeod DA. Standard and four-footed canes: their effect on the standing balance of patients with hemiparesis. Arch Phys Med Rehabil 1993 Mar;74(3):281-5.

Mulley G. Walking frames. BMJ 1990 Apr 7; 300(6729):925-7.

Mulley GP. Standards of wheelchairs. BMJ 1989 May 6;298(6682):1198-9.

Naumann T, Zahniel K. Comparing the rate of femoral head necrosis of two different treatments of congenital dislocation of the hip. J Pediatr Orthop 1990 Nov-Dec;10(6):780-5.

Nene AV, Kim Y, Spelman FA. An assessment of the ORLAU ParaWalker-electrical stimulation hybrid orthosis. In: Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 11th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1989 Nov 9-12; Seattle, WA. Vol 3. Piscataway (NJ): IEEE; 1989. p. 1016-7.

Neumann H, O'Shea P, Nielson JP, Climstein M. A physiological comparison of the short-leg walking cast and an ankle-foot orthosis walker following 6 weeks of immobilization. Orthopedics 1989 Nov; 12(11):1429-33; discussion 1433-4.

North B, North C, Lee JL. Living in a halo [published erratum appears in Am J Nurs 1992 May;92(5):27]. Am J Nurs 1992 Apr;92(4):54-6.

Ohman K, Spaniol D. Halo immobilization: discharge planning and patient education. J Neurosci Nurs 1990 Dec;22(6):351-7.

Ohsawa S, Ikeda S, Tanaka S, Takahashi T, Takeuchi T, Utsunomiya M, Ueno R, Ohkura M, Ito Y, Katagi Y, et al. A new model of plastic ankle foot orthosis (FAFO (II)) against spastic foot and genu recurvatum. Prosthet Orthot Int 1992 Aug;16(2): 104-8.

Parziale JR. Standard v lightweight wheelchair propulsion in spinal cord injured patients. Am J Phys Med Rehabil 1991 Apr;70(2):76-80.

Phillips L, Nicosia A. An overview ... with reflections past and present of a consumer. J Rehabil Res Dev Clin Suppl 1990;(2):1-7.

Pieper B, Rodammer G, Gradinger R. [The value of knee joint orthoses in performance sports]. Fortschr Med 1989 Feb 28;107(6):150-2. (Ger).

Pinzur MS, Littooy F, Osterman H, Schwartz D. A safe, pre-fabricated, immediate postoperative prosthetic limb system for rehabilitation of below-knee amputations. Orthopedics 1989 Oct;12(10): 1343-5.

Post KM. From the field: clinical notes on cushion prescription. Am J Occup Ther 1991 Jun;45(6): 559-62.

Potter BE, Wallace WA. Crutches. BMJ 1990 Nov 3; 301(6759):1037-9.

Powell RR. Performance comparisons among four different arm cycling systems. Int J Rehabil Res 1992;15(4):334-40.

Pringle RG. Halo versus Minerva--which orthosis? Paraplegia 1990 Jun;28(5):281-4.

Product comparison and evaluation: canes, crutches, and walkers. Washington (DC): National Rehabilitation Hospital, Rehabilitation Engineering Center; 1990 Jun.

Product comparison and evaluation: scooters. Washington (DC): National Rehabilitation Hospital, Rehabilitation Engineering Center; 1991 Jun. 91 p.

Proper seating: a key to participation. Except Parent 1989 Mar;19(2):46-9.

Quesada P, Skinner HB. Analysis of a below-knee patellar tendon-bearing prosthesis: a finite element study. J Rehabil Res Dev 1991 Summer;28(3): 1-12.

Rechargeable, deep-cycle, lead-acid batteries for powered wheelchair and scooter users. Health Devices 1991 Dec;20(12):474-94.

Report on the Evaluation of the VA/SEATTLE Ankle. The Rehabilitation R&D Evaluation Unit, Rehabilitation Research and Development Service, Department of Veterans Affairs. J Rehabil Res Dev 1991 Spring;28(2):79-90.

Roberts L, Alvarado MI, McElroy K, Rutan RL, Robson MC, Herndon DN. Analysis of materials for splinting of the thermally injured patient. J Burn Care Rehabil 1991 May-Jun;12(3):268-9.

Robichaud JA, Agostinucci J, Vander Linden DW. Effect of air-splint application on soleus muscle motoneuron reflex excitability in nondisabled subjects and subjects with cerebrovascular accidents. Phys Ther 1992 Mar;72(3):176-83; discussion 183-5.

Rohmert W, Lowenthal I, Ruckert A. Ergonomic evaluation of a wheelchair for transfer of disabled passengers at a large airport. Int J Rehabil Res 1990;13(3):243-9.

Rome K. Behavior of orthotic materials in chiropody. J Am Podiatr Med Assoc 1990 Sep;80(9):471-8.

Saadah ES. Swimming devices for below-knee amputees. Prosthet Orthot Int 1992 Aug;16(2): 140-1.

Sadler C. Disability: wheelchair comfort. Community Outlook 1989 Nov:4-8.

Samuelsson KA, Larsson H, Tropp HT. Power output and propulsion technique in wheelchair driving. Int J Rehabil Res 1991;14(1):76-81.

Sears HH, Shaperman J. Proportional myoelectric hand control: an evaluation. Am J Phys Med Rehabil 1991 Feb;70(1):20-8.

Shields RK, Cook TM. Lumbar support thickness: effect on seated buttock pressure in individuals with and without spinal cord injury. Phys Ther 1992 Mar;72(3):218-26.

Shirazi-Adl A. Finite element stress analysis of a push-out test. Part 1: Fixed interface using stress compatible elements. J Biomech Eng 1992 Feb; 114(1):111-8.

Smirnova LM, Kozlov AA, Iankovskii VM, Rozhkov AV. [Thermovision in the evaluation of the quality of fitting of acceptable intake sockets of shin prostheses]. Ortop Travmatol Protez 1990 Sep;(9):14-6. (Rus).

Smith HG. Technical note: latex bonding of model build-ups. J Prosthet Orthot 1992 Apr;4(3):175.

Solomonow M, Baratta R, Hirokawa S, Rightor N, Walker W, Beaudette P, Shoji H, D'Ambrosia R. The RGO Generation II: muscle stimulation powered orthosis as a practical walking system for thoracic paraplegics [published erratum appears in Orthopedics 1989 Dec;12(12):1522]. Orthopedics 1989 Oct;12(10):1309-15.

Staheli LT. Lower positional deformity in infants and children: a review. J Pediatr Orthop 1990 Jul-Aug; 10(4):559-63.

Stam HJ. The geriatric prosthesis as metaphor: a clinical note. Prosthet Orthot Int 1992 Aug;16(2): 137-9.

Standards of wheelchairs [letter]. BMJ 1989 May 20; 298(6684):1382-3.

Stewart C. Living aids: wheelchair evaluation and prescription. Nurs Stand 1992 Sep 23-29;7(1): 27-30.

Stewart CP, Carus DA, Kerr G. Development of a universal wheelchair narrower. Prosthet Orthot Int 1989 Apr;13(1):39-41.

Stout JD, Bandy P, Feller N, Stroup KB, Bull MJ. Transportation resources for pediatric orthopaedic clients. Orthop Nurs 1992 Jul-Aug;11(4):26-30.

Strohkendl H. Classification for wheelchair table tennis. Palaestra 1989 Spring;5(3):49-52.

Thompson NP. Three-wheeled walkers [letter]. J Am Geriatr Soc 1992 Jul;40(7):735-6.

University of Strathclyde, National Centre for Training and Education in Prosthetics and Orthotics, RECAL Information Services. RECAL thesaurus: prosthetics, orthotics, and rehabilitation. Glasgow (UK): The University; 1988. 209 p.

User experience network. Safe use of supplemental oxygen with powered wheelchairs. Health Devices 1992 Aug;21(8):291.

van Ross E. Pushchairs. Prosthet Orthot Int 1991 Apr;15(1):46-50.

van Vliet P, Wing AM. A new challenge--robotics in the rehabilitation of the neurologically motor impaired. Phys Ther 1991 Jan;71(1):39-47.

Watanabe H. [Knowledge of lower extremity orthosis]. Nippon Seikeigeka Gakkai Zasshi 1991 Oct;65(10):997-1002. (Jpn).

Which orthosis? [editorial]. Lancet 1989 Sep 23; 2(8665):721.

Wilson AB Jr. Wheelchairs: a prescription guide. 2nd ed. New York: Demos Publications; 1992. 96 p.

Wirta RW, Mason R, Calvo K, Golbranson FL. Effect on gait using various prosthetic ankle-foot devices. J Rehabil Res Dev 1991 Spring;28(2):13-24.

Wright DL, Kemp TL. The dual-task methodology and assessing the attentional demands of ambulation with walking devices. Phys Ther 1992 Apr;72(4): 306-12; discussion 313-5.

Yrjonen T. Prognosis in Perthes disease after noncontainment treatment. 106 hips followed for 28-47 years. Acta Orthop Scand 1992 Oct;63(5): 523-6.

ECONOMIC ISSUES

American Orthotic and Prosthetic Association. The illustrated guide to orthotics and prosthetics: O & P's comprehensive guide to Medicare codes and reimbursement. Alexandria (VA): The Association; 1992- .

Banyard R. Artificial limb and appliance centres. Health Manpow Manage 1989 Jul;15(1):13-5.

Beske F. Gutachten uber die nach dem Gesundheits-Reform-Gesetz vorgeschriebene festbetragsregelung fur rollstuhle. Kiel (Germany): Institut fur Gesundheits-System-Forschung; 1989. 72 p. (Ger).

Belkin L. How rationing will really work. Med Econ 1993 Mar 22;70(6):160-1, 165-8, 171-2 passim.

Boyer JJ. Are tenodesis splints cost efficient [letter]? Am J Occup Ther 1990 Sep;44(9):857-8.

Campbell GS, Gow D, Hooper G. Low cost cosmetic hand prostheses. J Hand Surg [Br] 1992 Apr;17(2):201-3.

Carne P. Nonsurgical treatment of ankle sprains using the modified Sarmiento brace. Am J Sports Med 1989 Mar-Apr;17(2):253-7.

Cobb JW. Models for delivery of prosthetic services to geriatric patients. Top Geriatr Rehabil 1992 Sep;8(1):59-63.

Cock J. Life inside the shell: a needs survey of spinal cord-injured wheelchair users in a black South African township. Disabil Handicap Soc 1989;4(1):3-20.

Corporate commitment: 10th National Veterans Wheelchair Games. Paraplegia News 1990 May;44(5):50-6.

Cotler HB, Cotler JM, Alden ME, Sparks G, Biggs CA. The medical and economic impact of closed cervical spine dislocations. Spine 1990 Jun;15(6):448-52.

Deacon S. Wheelchair lifts: proper selection assures user of a long-term investment. Contin Care 1991 Apr;10(4):30-1.

Djeddou N. Experience of treating scoliosis at the Azur Plage medical centre. Ann Readapt Med Phys 1989 Aug;32(4):321-30.

Durance JP, Warren WK, Kerbel DB, Stroud TW. Rehabilitation of below-knee amputees: factors influencing outcome and costs in three programmes. Int Disabil Stud 1989 Jul-Sep;11(3):127-32.

Ennals S. Understanding benefits. Mobility allowance. BMJ 1991 Feb 2;302(6771):284-5.

Garrett RE, Hartridge M, Seeger BR. Comparative evaluation of chargers for wheelchair gel cell batteries. Australas Phys Eng Sci Med 1990 Sep;13(3):148-56.

Hardy G. Tapping new revenues. How to bill Medicare Part-B directly for prosthetics and orthotics products. Contemp Longterm Care 1992 Jan;15(1):30, 32.

Hartridge M, Seeger BR. International wheelchair standards: a study of costs and benefits. Assist Technol 1990;2(4):117-23.

Henke C. Funding to make the wheels turn round. 1990 wheelchair guide. Except Parent 1990 Mar;20(2):8, 10-2.

Henke C. The mobility decision. 1990 wheelchair guide. Except Parent 1990 Mar;20(2):5-8.

Henke C. Power to the people. Rx Home Care 1989 Jul;11(7):26-9.

Jones LE. Prosthetic limb use in Australia 1981-1985 under the Free Limb Scheme. Prosthet Orthot Int 1989 Aug;13(2):76-81.

Jones LE, Lipson A. The care of the limb deficient child in Australia. Prosthet Orthot Int 1991 Aug;15(2):140-2.

Katzmann RA. Transportation policy. Milbank Q 1991;69 Suppl 1-2:214-37.

Kejlaa GH. The social and economic outcome after upper limb amputation. Prosthet Orthot Int 1992 Apr;16(1):25-31.

Kijkusol D. Simplified, low cost below-knee prosthesis. Prosthet Orthot Int 1986 Aug;10(2):96-8.

Lasudry N, Warzee G, Van Rolleghem J. [Image processing and use of CAD in prosthesis manufacturing]. Onde Electr 1991 Jul-Aug;71(4):45-8 (Fre).

Little J. Taking control of purchasing a wheelchair: tips for parents about mobility equipment. Except Parent 1991 Mar;21(2):36-8, 46, 50.

Luebben AJ, Young LJ. Retrofitting: an unnecessary expense. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference: 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 304-5.

Maxwell WR. Introduction or artificial limbs scheme [letter]. Med J Aust 1990 Nov 5;153(9):567-8.

McClenneghen A. Reimbursing power wheelchairs: what are the options? Contin Care 1990 Feb;9(2):14-16, 33.

Medicare program; carrier jurisdiction for claims for durable medical equipment, prosthetics, orthotics and supplies (DMEPOS) and other issues involving suppliers, and criteria and standards for evaluating regional DMEPOS carriers--HCFA. Final rule with comment period. Fed Regist 1992 Jun 18;57(118): 27290-308.

Medicare program; payment for customized wheelchairs--HCFA. Interim final rule with comment period. Fed Regist 1991 Dec 20;56(245): 65995-8.

Medicare program; payment for durable medical equipment and orthotic, and prosthetic devices--HCFA. Interim final rule with comment period. Fed Regist 1992 Dec 7;57(235):57675-92.

Mohan D, Sethi PK, Ravi R. Mathematical modelling and field trials of an inexpensive endoskeletal above-knee prosthesis. Prosthet Orthot Int 1992 Aug;16(2):118-23.

Nader M. [Up-to-date supply of prostheses of the lower and upper extremities. Possibilities from the viewpoint of the prosthesis fitting manufacturer]. Dtsch Krankenpflegez 1989 Mar;42(3):154-9. (Ger).

Norrgard L, Crimaldi E, Wylde M. AARP product report on manual wheelchairs. Washington (DC): American Association of Retired Persons; 1992.

Oberg K. Cost-benefits in orthopaedic technology by using thermoplastics in developing countries. Prosthet Orthot Int 1991 Apr;15(1):18-22.

Ozyalcin H, Sesli E. Temporary prosthetic fitting for below-knee amputation. Prosthet Orthot Int 1989 Aug;13(2):86-9.

Petrillo DK, Wooden VM, Kraft-Fine C, Siegal SG, Cioschi HM. How to equip the quadriplegic patient. Contin Care 1990 Nov;9(11):24-8, 35.

Phillips CA. Functional electrical stimulation and lower extremity bracing for ambulation exercise of the spinal cord injured individual: a medically prescribed system. Phys Ther 1989 Oct;69(10): 842-9.

Plesko L. Heavy on the lightweights. Rx Homecare 1989 May;11(5):41-3.

Potter BE, Wallace WA. Crutches. BMJ 1990 Nov 3; 301(6759):1037-9.

Product comparison and evaluation: canes, crutches, and walkers. Washington (DC): National Rehabilitation Hospital, Rehabilitation Engineering Center; 1990 Jun.

Product comparison and evaluation: scooters. Washington (DC): National Rehabilitation Hospital, Rehabilitation Engineering Center; 1991 Jun. 91 p.

Pullin G, Gammie A. Current capabilities of rehabilitation robots. J Biomed Eng 1991 May; 13(3):215-6.

Ravaud JF, Madiot B, Ville I. Discrimination towards disabled people seeking employment. Soc Sci Med 1992 Oct;35(8):951-8.

Rechargeable, deep-cycle, lead-acid batteries for powered wheelchair and scooter users. Health Devices 1991 Dec;20(12):474-94.

Sharma VP. The care of the limb deficient child in India. Prosthet Orthot Int 1991 Aug;15(2):143-5.

Topper AK, Fernie GR. An evaluation of computer aided design of below-knee prosthetic sockets. Prosthet Orthot Int 1990 Dec;14(3):136-42.

Unger T. Medicare cutoff for seat lift chairs? Rx Homecare 1989 May;11(5):11.

Vos R, Goslett N, van Hoogstraten A, Fourie P. Albatros: an innovative low-cost wheelchair. Disabil Rehabil 1993 Jan-Mar;15(1):44-6.

Vossberg A. The choice of prosthetic and orthotic technique for less developed countries: analysis and perspectives in Colombia. Prosthet Orthot Int 1988 Aug;12(2):96-100.

Wheelchair navigation: a computer-aided primer. Health Care (Don Mills) 1989 Nov-Dec;31(9):11-2, 14.

Whittle MW, Cochrane GM, Chase AP, Copping AV, Jefferson RJ, Staples DJ, Fenn PT, Thomas DC. A comparative trial of two walking systems for paralysed people. Paraplegia 1991 Feb;29(2): 97-102.

Wieck CA. Funding of assistive technology for individuals with disabilities [audiocassette]. Washington (DC): RESNA; 1990. 6 audiocassettes: 630 min.

PSYCHOSOCIAL ISSUES

Asken MJ. Sport psychology and the physically disabled athlete: interview with Michael D. Goodling, OTR/L. Sport Psychol 1989 Jun;3(2): 166-76.

Atchusin WM. Psychological impact of traumatic leg amputation [dissertation]. Cincinnati (OH): Union Institute; 1989. 297 p.

Bailey DM, DeFelice T. Evaluating movement for switch use in an adult with severe physical and cognitive impairments. Am J Occup Ther 1991 Jan;45(1):76-9.

Bender LH. Part 2. Osteogenesis imperfecta. Orthop Nurs 1991 Jul-Aug;10(4):23-32.

Borden W. Narrative perspectives in psychosocial intervention following adverse life events. Social Work 1992 Mar;37(2):135-41.

Bowser MS. Giving up the ghost: a review of phantom limb phenomena. J Rehabil 1991 Jul-Sep; 57(3):55-62.

Brasile FM. Wheelchair sports: a new perspective on integration. Adapt Phys Activ Q 1990 Jan;7(1): 3-11.

Brasile FM, Hedrick BN. A comparison of participation incentives between adult and youth wheelchair basketball players. Palaestra 1991 Summer;7(4):40-6.

Brasile FM, Kleiber DA, Harnisch D. Analysis of participation incentives among athletes with and without disabilities. Ther Recreat J 1991 1st Quart; 25(1):18-33.

Broadhurst C. Adjusting to amputation. Nurs Times 1989 Oct 25-31;85(43):55-7.

Brodzka WK, Thornhill HL, Zarapkar SE, Malloy JA, Weiss L. Long-term function of persons with atherosclerotic bilateral below-knee amputation living in the inner city. Arch Phys Med Rehabil 1990 Oct;71(11):895-900.

Brooks NA. Users' responses to assistive devices for physical disability. Soc Sci Med 1991;32(12): 1417-24.

Bruce J. The function and operation of a parent support association. Prosthet Orthot Int 1991 Aug; 15(2):160-1.

Butler DJ, Turkal NW, Seidl JJ. Amputation: preoperative psychological preparation. J Am Board Fam Pract 1992 Jan-Feb;5(1):69-73.

Cammack S. Integration of pediatric amputees and their parents with an adult amputee support group. J Assoc Child Prosthet Orthot Clin 1989 Spring; 24(1):6-7.

Campbell F, Ross F. Disability: dealing with wheels. Community Outlook 1990 Oct:23-6.

Chan KM, Tan ES. Use of lower limb prosthesis among elderly amputees. Ann Acad Med Singapore 1990 Nov;19(6):811-6.

Chase J, Bailey DM. Evaluating the potential for powered mobility. Am J Occup Ther 1990 Dec; 44(12):1125-9.

Cock J. Life inside the shell: a needs survey of spinal cord-injured wheelchair users in a black South African township. Disabil Handicap Soc 1989;4(1): 3-20.

Cox RH, Davis RW. Psychological skills of elite wheelchair athletes. Palaestra 1992 Spring;8(3): 16-21.

Crocker P, Bouffard M. Coping and participation of physically disabled adults in physical activity. CAHPER J 1990 Nov-Dec;56(6):28-33.

Dai S. [Psychology of amputation in carcinoma patients with vital life change events]. Chung Hua Hu Li Tsa Chih 1990 Apr;25(4):175-6. (Chi).

Datta D, Nair PN, Payne J. Outcome of prosthetic management of bilateral lower-limb amputees. Disabil Rehabil 1992 Apr-Jun;14(2):98-102.

Dawson W. Spinal cord injury: a view from behind the wheel. N C Med J 1990 Aug;51(8):397-9.

Derhaag MMC, Schoorl PM, Derhaag PJF. Personality development in one handed children treated with a myoelectrically controlled prosthesis. J Rehabil 1990 Jul-Sep;56(3):25-9.

Dickstein R, Halevy E, Meir H, Bigon R. Use of the early walking aid as a geriatric prosthesis in the community. J Prosthet Orthot 1989 Jan;1(2):110-5.

Emery RP. [Amputation: unnecessary grief in children]. Rev Infirm 1990 Nov;40(17):45-7. (Fre).

Fewster C. Wheelchair apartheid. Nurs Times 1990 Jun 6-12;86(23):49-51.

Frank B, Lorenzoni E. Experiences of phantom limb sensations in dreams. Psychopathology 1989;22(4): 182-7.

Garcia-Viniegras CR, Rial Blanco N, Molina Martinez O, Salazar Fernandez N, Almeida Hernandez L, Herrera Rodriguez G. [The psychosocial characteristics of the patient who has undergone amputation for vascular reasons. The work, family and sex life aspects]. Angiologia 1991 Jan-Feb; 43(1):26-9. (Spa).

Gauden P. Cancer nursing: learning to cope with an artificial limb. Nursing (Lond) 1990 Aug 23-Sep 12;4(17):16-9.

Greenwood CM, Dzewaltowski DA. Self efficacy and psychological well being of wheelchair tennis participants and wheelchair nontennis participants. Adapt Phys Activ Q 1990;7(1):12-21.

Hanspal RS, Fisher K. Assessment of cognitive and psychomotor function and rehabilitation of elderly people with prostheses [published erratum appears in BMJ 1991 May 18;302(6786):1182]. BMJ 1991 Apr 20;302(6782):940.

Hirschhorn BE. The relationship among school accessibility, student locus-of-control and the satisfaction of New York City high school wheelchair users [dissertation]. New York: New York University; 1992. 108 p.

Horvat M, Roswal G, Jacobs D, Gaunt S. Selected psychological comparisons of able bodied and disabled athletes. Phys Educ 1989;46:202-8.

Huber JH. Equity and safety in sport: a case study. Palaestra 1989 Spring;5(3):64.

Hunt SB. Relationships between meanings of work and meanings of leisure among wheelchair (basketball) athletes. Annu Ther Recreat 1991; 2:69-77.

Hunter GA. Clinical comment: psychological factors leading to amputations in adults. Prosthet Orthot Clin 1992 Dec;16(3):196-9.

Interacting with people in wheelchairs [videocassette]. [Los Angeles]: Hospital Satellite Network, Vantage Point Productions; 1987. 1 videocassette: 29 min., sound, black & white with color, 1/2 in.

Jacobs D. A comparison between the psychological profiles of wheelchair athletes, wheelchair nonathletes, and able bodied athletes. Palaestra 1989 Spring;5(3):12.

Jacobs DP, Roswal GM, Horuat MA, Gorman DR. A comparison between the psychological profiles of wheelchair athletes, wheelchair nonathletes, and able bodied athletes. In: Doll-Tepper G, Dahms C, Doll B, von Selzam H, eds. Adapted physical activity: an interdisciplinary approach. Proceedings of the 7th International Symposium; 1989 Jun; Berlin. New York: Springer-Verlag; 1990. p. 75-9.

James WV, McColl I. The way ahead for the amputee. Ann R Coll Surg Engl 1991 May; 73(3):176-7.

Kahanovitz N, Weiser S. The psychological impact of idiopathic scoliosis on the adolescent female. A preliminary multi-center study. Spine 1989 May; 14(5):483-5.

Kejlaa G. [The course after amputation of upper extremities with special reference to the use of prostheses and social conditions]. Ugeskr Laeger 1991 Nov 18;153(47):3322-6. (Dan).

Kejlaa GH. The social and economic outcome after upper limb amputation. Prosthet Orthot Int 1992 Apr;16(1):25-31.

Knaus RL. Physiological and psychological benefits of exercise for athletes with disabilities: an interview with Gerorge Murray. J Osteopath Sports Med 1989 Nov;3(4):25-7.

Knudson GA. The effect of a wheelchair sports presentation on modifying attitudes of junior high school students toward physically disabled persons [master's thesis]. Vancouver (BC): University of British Columbia; 1990.

Kotova VP, Vasil'eva IuI, Vasil'ev SV. [Socio-medical characteristics of patients with post-amputation defects of the upper limbs]. Ortop Travmatol Protez 1989 Jun;(6):57-60. (Rus).

Kullmann L, Laszlo G, Molnar F. [Results of amputation and rehabilitation]. Orv Hetil 1991 Mar 3;132(9):459-63. (Hun).

Lacroix R, Melzack R, Smith D, Mitchell N. Multiple phantom limbs in a child. Cortex 1992 Sep;28(3): 503-7.

Leonard JA Jr, Esquenazi A, Fisher SV, Hicks JE, Meier RH 3d, Nelson VS. Prosthetics, orthotics, and assistive devices. 1. General concepts. Arch Phys Med Rehabil 1989 May;70(5-S):S195-201.

Lewis K. Inglis House: a wheelchair community. J Long Term Care Adm 1992 Spring;20(1):8, 10-1.

Lindsay JA. Rehabilitation of amputees [letter]. BMJ 1992 Mar 28;304(6830):842.

MacLean WE Jr, Green NE, Pierre CB, Ray DC. Stress and coping with scoliosis: psychological effects on adolescents and their families. J Pediatr Orthop 1989 May-Jun;9(3):257-61.

Mader B, Hart LA, Bergin B. Social acknowledgements for children with disabilities: effects of service dogs. Child Dev 1989 Dec;60(6): 1529-34.

Mason KJ. Congenital orthopedic anomalies and their impact on the family. Nurs Clin North Am 1991 Mar;26(1):1-16.

McDonnell PM, Scott RN, Dickison J, Theriault RA, Wood B. Do artificial limbs become part of the user? New evidence. J Rehabil Res Dev 1989 Spring;26(2):17-24.

Medhat A, Huber PM, Medhat MA. Factors that influence the level of activities in persons with lower extremity amputation. Rehabil Nurs 1990 Jan-Feb;15(1):13-8.

Michaels JA. The selection of amputation level: an approach using decision analysis. Eur J Vasc Surg 1991;5(4):451-7.

Muthu S. Rehabilitation of amputees [letter]. BMJ 1992 Mar 28;304(6830):842.

Nemytin IUV, Kudriavtsev BP, Mironov GM, Konovalov VA. [The rehabilitation of wounded patients with limb stumps]. Voen Med Zh 1992 Apr-May;(4-5):54-6. (Rus).

Nicholas JJ, Robinson LR, Schulz R, Blair C, Aliota R, Hairston G. Problems experienced and perceived by prosthetic patients. J Prosthet Orthot 1993 Jan; 5(1):16-9.

Nielsen CC. A survey of amputees: functional level and life satisfaction, information needs, and the prosthetist's rolee. J Prosthet Orthot 1991 Spring; 3(3):125-9.

Nissen SJ, Newman WP. Factors influencing reintegration to normal living after amputation. Arch Phys Med Rehabil 1992 Jun;73(6):548-51.

North B, North C, Lee JL. Living in a halo [published erratum appears in Am J Nurs 1992 May;92(5):27]. Am J Nurs 1992 Apr;92(4):54-6.

Novotny MP. Psychosocial issues affecting rehabilitation. Phys Med Rehabil Clin North Am 1991 May;2(2):373-93.

Olson B, Ustanko L. Self-care needs of patients in the halo brace [published erratum appears in Orthop Nurs 1990 May-Jun;9(3):90]. Orthop Nurs 1990 Jan-Feb;9(1):27-33, 52.

Olson B, Ustanko L, Warner S. The patient in a halo brace: striving for normalcy in body image and self-concept. Orthop Nurs 1991 Jan-Feb;10(1): 44-50.

Paulsen P, French R, Sherrill C. Comparison of mood states of college able-bodied and wheelchair basketball players. Percept Mot Skills 1991 Oct; 73(2):396-8.

Paulsen P, French R, Sherrill C. Comparison of wheelchair athletes and nonathletes on selected mood states. Percept Mot Skills 1990 Dec; 71(3 Pt 2):1160-2.

Pechman K. Rehabilitation: the diabetic amputee [videocassette]. Secaucus (NJ): Network for Continuing Medical Education; 1991. 1 videocassette: 32 min., sound, color, 1/2 in. (NCME telecourse; no. 607). Accompanied by: 1 guide.

Penington G, Warmington S, Hull S, Freijah N. Rehabilitation of lower limb amputees and some implications for surgical management. Aust N Z J Surg 1992 Oct;62(10):774-9.

Pohjolainen T, Alaranta H, Karkkainen M. Prosthetic use and functional and social outcome following major lower limb amputation. Prosthet Orthot Int 1990 Aug;14(2):75-9.

Psychology of limb loss [letter]. BMJ 1989 Dec 16; 299(6714):1526-7.

Racy JC. Psychological adaptation to amputation. In: Bowker JH, Michael JW, eds. Atlas of limb prosthetics: surgical, prosthetic, and rehabilitation principles. St. Louis: Mosby Year Book; 1992. p. 707-16.

Ragnarsson KT. Prescription considerations and a comparison of conventional and lightweight wheelchairs. J Rehabil Res Dev Clin Suppl 1990; (2):8-16.

Ravaud JF, Madiot B, Ville I. Discrimination towards disabled people seeking employment. Soc Sci Med 1992 Oct;35(8):951-8.

Raven KA, Brugger CA. Hemicorporectomy: a nursing challenge. Orthop Nurs 1992 Mar-Apr; 11(2):73-8.

Reidy K, Crozier KS. Refusing treatment during rehabilitation. A model for conflict resolution. West J Med 1991 May;154(5):622-3.

Roeschlein RA, Domholdt E. Factors related to successful upper extremity prosthetic use. Prosthet Orthot Int 1989 Apr;13(1):14-8.

Rudolphi D. Limb loss in the elderly peripheral vascular disease patient. J Vasc Nurs 1992 Sep; 10(3):8-13;

Rybarczyk BD, Nyenhuis DL, Nicholas JJ, Schulz R, Alioto RJ, Blair C. Social discomfort and depression in a sample of adults with leg amputations. Arch Phys Med Rehabil 1992 Dec; 73(12):1169-73.

Sabolich J. Your're not alone. Oklahoma City (OK): Sabolich Prosthetic and Research Center; 1991. 356 p.

Saylor DE. Pastoral care of the rehabilitation patient. Rehabil Nurs 1991 May-Jun;16(3):138-40.

Setoguchi Y. The management of the limb deficient child and its family. Prosthet Orthot Int 1991 Aug; 15(2):78-81.

Sharma VP. The care of the limb deficient child in India. Prosthet Orthot Int 1991 Aug;15(2):143-5.

Shell J. Sexual rehabilitation of the amputee. Oncol Nurs Forum 1989 Jan-Feb;16(1):105-6.

Sherrill C, Silliman L, Gench B, Hinson M. Self-actualisation of elite wheelchair athletes. Paraplegia 1990 May;28(4):252-60.

Silliman LM, Sherrill C. Self actualization of wheelchair athletes. Clin Kinesiol 1989 Jul-Sep; 43(3):77-82.

Spencer JC. An ethnographic study of independent living alternatives. Am J Occup Ther 1991 Mar; 45(3):243-51.

Subbarao JV. Walking after spinal cord injury. Goal or wish? West J Med 1991 May;154(5):612-4.

Svoboda J. Psychosocial considerations in pediatrics: use of amputee dolls. J Prosthet Orthot 1992 Jul; 4(4):207-12.

Swagman A. Caring for limb-deficient children and their families. MCN Am J Matern Child Nurs 1986 Jan-Feb;11(1):46-52.

Swagman A, et al. Family perceptions regarding conversion surgery experiences. J Assoc Child Prosthet Orthot Clin 1991 Spring-1990 Winter; 25(3-4):50-5.

Szeinberg-Arazi D, Heim M, Nadvorna H, Ner IZ, Szeinberg A, Azaria A. A functional and psychosocial assessment of patients with post-Sudeck atrophy amputation. Arch Phys Med Rehabil 1993 Apr;74(4):416-8.

Talbot D. Review article: helping the limb-deficient child deal with social reactions to physical differences. J Assoc Child Prosthet Orthot Clin 1991 Spring-1990 Winter;25(3-4):76-80.

Tebbi CK, Petrilli AS, Richards ME. Adjustment to amputation among adolescent oncology patients. Am J Pediatr Hematol Oncol 1989 Fall;11(3): 276-80.

Tyc VL. Psychosocial adaptation of children and adolescents with limb deficiencies: A review. Clin Psychol Rev 1992;12(3):275-91.

The use of upper extremity prostheses [videocassette]. [United States]: Art Heinze; 1988. 1 videocassette: 49 min., sound, color, 1/2 in.

Varni JW, Rubenfeld LA, Talbot D, Setoguchi Y. Determinants of self esteem in children with congenital/acquired limb deficiencies. J Dev Behav Pediatr 1989 Feb;10(1):13-6.

Varni JW, Rubenfeld LA, Talbot D, Setoguchi Y. Stress, social support, and depressive symptomatology in children with congenital/acquired limb deficiencies. J Pediatr Psychol 1989 Dec;14(4):515-30.

Varni JW, Setoguchi Y. Correlates of perceived physical appearance in children with congenital/acquired limb deficiencies. J Dev Behav Pediatr 1991 Jun;12(3):171-6.

Varni JW, Setoguchi Y. Psychosocial factors in the management of children with limb deficiencies. Phys Med Rehabil Clin North Am 1991 May;2(2): 395-404.

Varni JW, Setoguchi Y. Self-perceived physical appearance in children and adolescents with congenital/acquired limb deficiencies. J Assoc Child Prosthet Orthot Clin 1991 Fall;26(2):56-60.

Varni JW, Setoguchi Y, Rappaport LR, Talbot D. Effects of stress, social support, and self-esteem on depression in children with limb deficiencies. Arch Phys Med Rehabil 1991 Dec;72(13):1053-8.

Varni JW, Setoguchi Y, Rappaport LR, Talbot D. Psychological adjustment and perceived social support in children with congenital/acquired limb deficiencies. J Behav Med 1992 Feb;15(1):31-44.

Warren CG. Powered mobility and its implications. J Rehabil Res Dev Clin Suppl 1990;(2):74-85.

Watts HG. Differences between a child and an adult amputee. Contemp Orthop 1992 Jan;24(1):30-40.

Wilson AB Jr. Limb prosthetics. New York: Demos; 1989. Functional capacities of amputees and vocational rehabilitation; p. 105-12.

Woodhouse L. Psychosocial aspects of adjustment to limb loss [dissertation]. Belfast (UK): Queen's University of Belfast; 1990.

Yetzer EA, Winfree M, Scaglione C. An amputee support group. Rehabil Nurs 1989 May-Jun;14(3): 141-2.

LEGAL & ETHICAL ISSUES

Beske F. Gutachten uber die nach dem Gesundheits-Reform-Gesetz vorgeschriebene festbetragsregelung fur rollstuhle. Kiel (Germany): Institut fur Gesundheits-System-Forschung; 1989. 72 p. (Ger).

Christel P. The regulation of orthopaedic devices in France. J Biomed Mater Res 1989 Apr; 23(A1 Suppl):3-7.

Curry LC, Gibson LY. Congenital hip dislocation: the importance of early detection and comprehensive treatment. Nurse Pract 1992 May;17(5):49-55.

DiGaudio KM, Msall ME. Guidelines for safe transportation of children in wheelchairs. Am J Dis Child 1991 Jun;145(6):653-5.

Fewster C. Wheelchair apartheid. Nurs Times 1990 Jun 6-12;86(23):49-51.

Health care legislation, oversight of health facility security matters, and VA prosthetics and special disability programs : hearing before the Committee on Veterans' Affairs, United States Senate, One Hundred Second Congress, first session, on S. 127 (Title II, parts A, B, and C), S. 327, and S. 869, April 23, 1991. Washington (DC): Government Printing Office; 1992. 244 p.

Huber JH. Equity and safety in sport: a case study. Palaestra 1989 Spring;5(3):64.

Katzmann RA. Transportation policy. Milbank Q 1991;69 Suppl 1-2:214-37.

Korzh AA, Iaremenko DA. [What is necessary for raising the quality of prosthetic and orthopedic service to the community?]. Ortop Travmatol Protez 1989 Apr;(4):53-7. (Rus).

Kramer RA. Access to care for children and adolescents with disabilities. Conn Med 1990 Aug; 54(8):428-30.

Maher F. Buses must have wheelchair access. PA Law J Rep 1989 Feb 20;12:1.

Marcotte P. Law student sues her school; wants more accessibility with her wheelchair. ABA J 1989 Mar;75:26-7.

Maxwell WR. Introduction or artificial limbs scheme [letter]. Med J Aust 1990 Nov 5;153(9):567-8.

Medicare program; carrier jurisdiction for claims for durable medical equipment, prosthetics, orthotics and supplies (DMEPOS) and other issues involving suppliers, and criteria and standards for evaluating regional DMEPOS carriers--HCFA. Final rule with comment period. Fed Regist 1992 Jun 18;57(118): 27290-308.

Medicare program; payment for customized wheelchairs--HCFA. Interim final rule with comment period. Fed Regist 1991 Dec 20;56(245): 65995-8.

Medicare program; payment for durable medical equipment and orthotic, and prosthetic devices--HCFA. Interim final rule with comment period. Fed Regist 1992 Dec 7;57(235):57675-92.

Milota C, et al. Count me in: resource manual on disabilities. Minneapolis: PACER Center; 1991. 121 p. Available from: ERIC, Arlington, VA.; ED341218.

Reidy K, Crozier KS. Refusing treatment during rehabilitation. A model for conflict resolution. West J Med 1991 May;154(5):622-3.

Ross CT. Illinois: court orders more study on handicapped athlete's ability to compete. Sports Courts 1990;11(1):4-5.

Samborn R. No flood of ADA suits - yet. (Americans with Disabilities Act). Natl Law J 1992 Mar 16; 14(28):3.

United States Congress, Senate, Committee on Veterans' Affairs. Oversight on VA prosthetics and special disabilities programs: hearing 101-1043; before the Committee on Veterans' Affairs, United States Senate, One Hundred First Congress, second session, June 7, 1990. Washington (DC): Government Printing Office; 1990. 398 p.

PATIENT EDUCATION, COMPLIANCE, & SATISFACTION

Alison A, Mackinnon SE. Evaluation of digital prostheses. J Hand Surg [Am] 1992 Sep;17(5): 923-6.

Artificial body parts [videocassette]. Princeton (NJ): Films for the Humanities; 1989. 1 videocassette: 26 min., sound, color, 1/2 in.

Barker L, et al. Improved positioning for enhanced development: case study. J Assoc Child Prosthet Orthot Clin 1991 Spring-1990 Winter;25(3-4):61-5.

Basford JR, Rhetta HL, Schleusner MP. Clinical evaluation of the rocker bottom crutch. Orthopedics 1990 Apr;13(4):457-60.

Behrman AL. Factors in functional assessment. J Rehabil Res Dev Clin Suppl 1990;(2):17-30.

Bender LH. Part 2. Osteogenesis imperfecta. Orthop Nurs 1991 Jul-Aug;10(4):23-32.

Blocker WP Jr. How to help your patient choose the right wheelchair. Postgrad Med 1990 Oct;88(5): 243, 246, 251-2.

Brennan MJ, Hayes S, Watson JT. Orthotics versus casting in the management of lower extremity sprains, fractures, and other common orthopaedic problems. Contemp Orthop 1991 Jun;22(6): 683-713.

Bruce J. The function and operation of a parent support association. Prosthet Orthot Int 1991 Aug; 15(2):160-1.

Bull MJ, Stroup KB, Feller N. Information needs of parents of a child in a Pavlik harness [letter]. Orthop Nurs 1988 Sep-Oct;7(5):12.

Butler DJ, Turkal NW, Seidl JJ. Amputation: preoperative psychological preparation. J Am Board Fam Pract 1992 Jan-Feb;5(1):69-73.

Calmels P, Pallot-Prades B, Alexandre C, Minaire P. [The reeducation of the patient with rheumatoid polyarthritis]. Servir 1989 Sep-Oct;37(5):306-9. (Por).

Cammack S. Integration of pediatric amputees and their parents with an adult amputee support group. J Assoc Child Prosthet Orthot Clin 1989 Spring; 24(1):6-7.

Choosing a wheelchair system. J Rehabil Res Dev Clin Suppl 1990;(2):1-116.

Cobb JW. Models for delivery of prosthetic services to geriatric patients. Top Geriatr Rehabil 1992 Sep; 8(1):59-63.

Corbett D. Information needs of parents of a child in a Pavlik harness. Orthop Nurs 1988 Mar-Apr;7(2): 20-3.

Corwin D, Miller CA. Get your patient off on the right foot. RN 1990 Nov;53(11):44-6.

Cotter DH. Artificial limbs. Br Med J (Clin Res Ed) 1988 Apr 23;296(6630):1185-7.

Cullen C, Flowers W. A robust, accurate load cell for use in training above-knee amputees. J Biomech Eng 1990 Feb;112(1):103-5.

Curry LC, Gibson LY. Congenital hip dislocation: the importance of early detection and comprehensive treatment. Nurse Pract 1992 May;17(5):49-55.

Cutcliffe N, Prugger A. Adapted clothing for patients in halo traction. Can J Occup Ther 1990 Feb; 57(1):39-42.

DeValles JH. Crutch walking and discharge instructions [letter]. J Emerg Nurs 1989 Mar-Apr; 15(2 Pt 1):74-5.

Dijkers MP, deBear PC, Erlandson RF, Kristy K, Geer DM, Nichols A. Patient and staff acceptance of robotic technology in occupational therapy: a pilot study. J Rehabil Res Dev 1991 Spring;28(2):33-44.

Dunst RM. Legg-Calvé-Perthes disease. Orthop Nurs 1990 Mar-Apr;9(2):18-27.

Edelstein JE. Preprosthetic management of patients with lower or upper limb amputation. Phys Med Rehabil Clin North Am 1991 May;2(2):285-97.

Feinberg J. Effect of the arthritis health professional on compliance with use of resting hand splints by patients with rheumatoid arthritis. Arthritis Care Res 1992 Mar;5(1):17-23.

Ferguson H, Raskowsky M, Blake RL, Denton JA. TL-61 versus Rohadur orthoses in heel spur syndrome. J Am Podiatr Med Assoc 1991 Aug; 81(8):439-42.

Fisher LR, McLellan DL. Questionnaire assessment of patient satisfaction with lower limb orthoses from a district hospital. Prosthet Orthot Int 1989 Apr; 13(1):29-35.

Garber SL, Gregorio TL. Upper extremity assistive devices: assessment of use by spinal cord-injured patients with quadriplegia. Am J Occup Ther 1990 Feb;44(2):126-31.

Gauden P. Cancer nursing: learning to cope with an artificial limb. Nursing (Lond) 1990 Aug 23-Sep 12;4(17):16-9.

Huber JH. Instructing college students in use of wheelchair and prosthetics. Palaestra 1989 Winter; 5(2):41-6.

Kortman, B. Patient recall and understanding of instructions concerning splints following a zone 2 flexor tendon repair. Aust Occup Ther J 1992 Jun; 39(2):5-11.

Lane PL, LeBlanc R. Crutch walking. Orthop Nurs 1990 Sep-Oct;9(5):31-8.

Lehneis HR, Dickey R. Special considerations: fitting and training the bilateral upper-limb amputee. In: Bowker JH, Michael JW, eds. Atlas of limb prosthetics: surgical, prosthetic, and rehabilitation principles. St. Louis: Mosby Year Book; 1992. p. 311-23.

Lennon S. Wheelchair transfer training in a stroke patient with neglect: a single case study design. Physiother Theory Pract 1991;7(1):51-5.

Limb M, Calnan M. Artificial limbs: a real need. Health Serv J 1990 Nov 15;100(5227):1696-7.

Little J. Taking control of purchasing a wheelchair: tips for parents about mobility equipment. Except Parent 1991 Mar;21(2):36-8, 46, 50.

Marmann C. [The geriatric amputee after release from successful rehabilitation]. Chirurg 1992 Oct; 63(10):suppl 204-5. (Ger).

Marr J, Edmonds V. Cervical orthoses: the issue of patient compliance. J Neurosci Nurs 1990 Apr; 22(2):104-7.

May BJ. Preprosthetic management for lower extremity amputation. In: O'Sullivan SB, Schmitz TJ. Physical rehabilitation: assessment and treatment. 2nd ed. Philadelphia: F.A. Davis; 1988. p. 385-405.

McConnell EA. Teaching a patient to use a cane correctly. Nursing 1991 Sep;21(9):83.

McConnell EA. Using a stationary walker. Nursing 1992 Oct;22(10):75.

McHale KA, Corbett D. Parental noncompliance with Pavlik harness treatment of infantile hip problems. J Pediatr Orthop 1989 Nov-Dec;9(6):649-52.

Meadows CB, Stallard J, Wright D, Gordon L, Major RE, Jones N. The Edinburgh-ORLAU prosthetic system to provide reciprocal locomotion in children and adults with complete transverse lower limb deficiency. Prosthet Orthot Int 1990 Dec;14(3): 111-6.

Menz G. [Amputation as a first step towards rehabilitation. Aspects of nursing care after leg amputation]. Dtsch Krankenpflegez 1989 Mar; 42(3):146-50. (Ger).

Mertens JM. [The nurse and the amputation patient]. Servir 1990 Nov-Dec;38(6):298-307. (Por).

Moraros J, Hodge W. Orthotic survey. Preliminary results. J Am Podiatr Med Assoc 1993 Mar;83(3): 139-48.

Mulley G. Walking frames. BMJ 1990 Apr 7; 300(6729):925-7.

Mulley GP. Standards of wheelchairs. BMJ 1989 May 6;298(6682):1198-9.

Nawoczenski DA, Birke JA, Graham SL, Koziatek E. The neuropathic foot--a management scheme: a case report. Phys Ther 1989 Apr;69(4):287-91.

Naylor JR, Mulley GP. Surgical collars: a survey of their prescription and use. Br J Rheumatol 1991 Aug;30(4):282-4.

Nemunaitis GA, Herbison GJ. Cosmetic, functional, independent: self-help aids. Arch Phys Med Rehabil 1991 Apr;72(5):334-5.

Nicholas JJ, Robinson LR, Schulz R, Blair C, Aliota R, Hairston G. Problems experienced and perceived by prosthetic patients. J Prosthet Orthot 1993 Jan; 5(1):16-9.

Niijima M, Mizushima K, Fujita N. [Preparation of a care manual for patients using a halo brace]. Kango Gijutsu 1989 Jun;35(9):1112-4. (Jpn).

Novotny MP, Childress DS. Northwestern University initiates prosthetics/orthotics information and education resource. J Assoc Child Prosthet Orthot Clin 1989 Spring;24(1):1-5.

Ohman K, Spaniol D. Halo immobilization: discharge planning and patient education. J Neurosci Nurs 1990 Dec;22(6):351-7.

Olson B, Ustanko L. Self-care needs of patients in the halo brace [published erratum appears in Orthop Nurs 1990 May-Jun;9(3):90]. Orthop Nurs 1990 Jan-Feb;9(1):27-33, 52.

Ozer MN. A participatory planning process for wheelchair selection. J Rehabil Res Dev Clin Suppl 1990;(2):31-6.

Patterson D, et al. Acceptance rate of myoelectric prosthesis. J Assoc Child Prosthet Orthot Clin 1991 Spring-1990 Winter;25(3-4):73-5.

Patton JG. Developmental approach to pediatric prosthetic evaluation and training. In: Meier RH 3rd, Atkins DJ, eds. Comprehensive management of the upper-limb amputee. New York: Springer-Verlag; 1989. p. 137-49.

Patton JG. Upper-limb deficiencies: developmental approach to pediatric upper-limb prosthetic training. In: Bowker JH, Michael JW, eds. Atlas of limb prosthetics: surgical, prosthetic, and rehabilitation principles. St. Louis: Mosby Year Book; 1992. p. 779-93.

Phillips L, Nicosia A. An overview ... with reflections past and present of a consumer. J Rehabil Res Dev Clin Suppl 1990;(2):1-7.

Potter BE, Wallace WA. Crutches. BMJ 1990 Nov 3; 301(6759):1037-9.

Powell RR. Performance comparisons among four different arm cycling systems. Int J Rehabil Res 1992;15(4):334-40.

Ragnarsson KT. Prescription considerations and a comparison of conventional and lightweight wheelchairs. J Rehabil Res Dev Clin Suppl 1990; (2):8-16.

Raven KA, Brugger CA. Hemicorporectomy: a nursing challenge. Orthop Nurs 1992 Mar-Apr; 11(2):73-8.

Report on the Evaluation of the VA/SEATTLE Ankle. The Rehabilitation R&D Evaluation Unit, Rehabilitation Research and Development Service, Department of Veterans Affairs. J Rehabil Res Dev 1991 Spring;28(2):79-90.

Rey B. [Non-drug and non-surgical measures in chronic polyarthritis]. Ther Umsch 1991 Sep; 48(9):624-31. (Ger).

Roeschlein RA, Domholdt E. Factors related to successful upper extremity prosthetic use. Prosthet Orthot Int 1989 Apr;13(1):14-8.

Rybarczyk BD, Nyenhuis DL, Nicholas JJ, Schulz R, Alioto RJ, Blair C. Social discomfort and depression in a sample of adults with leg amputations. Arch Phys Med Rehabil 1992 Dec; 73(12):1169-73.

Sabolich J. Your're not alone. Oklahoma City (OK): Sabolich Prosthetic and Research Center; 1991. 356 p.

Sadler C. Disability: wheelchair comfort. Community Outlook 1989 Nov:4-8.

Sears HH, Shaperman J. Proportional myoelectric hand control: an evaluation. Am J Phys Med Rehabil 1991 Feb;70(1):20-8.

Setoguchi Y. The management of the limb deficient child and its family. Prosthet Orthot Int 1991 Aug; 15(2):78-81.

Shaw G. Wheelchair seat comfort for the institutionalized elderly. Assist Technol 1991;3(1): 11-23.

Shaw G, Taylor SJ. A survey of wheelchair seating problems of the institutionalized elderly. Assist Technol 1991;3(1):5-10.

Shoppee K. Developmental dysplasia of the hip. Orthop Nurs 1992 Sep-Oct;11(5):30-6.

Smith DG, Burgess EM, Zettl JH. Special considerations: fitting and training the bilateral lower-limb amputee. In: Bowker JH, Michael JW, eds. Atlas of limb prosthetics: surgical, prosthetic, and rehabilitation principles. St. Louis: Mosby Year Book; 1992. p. 599-622.

Speers AT, Speers M. Care of the infant in a Pavlik harness. Pediatr Nurs 1992 May-Jun;18(3):229-32, 252.

Spiegel SR. Adult myoelectric upper-limb prosthetic training. In: Meier RH 3rd, Atkins DJ, eds. Comprehensive management of the upper-limb amputee. New York: Springer-Verlag; 1989. p. 60-71.

Staats TB. The importance of prosthetics information to the amputee [dissertation]. Los Angeles: Pepperdine University; 1991. 252 p.

Subbarao JV. Walking after spinal cord injury. Goal or wish? West J Med 1991 May;154(5):612-4.

Swagman A. Caring for limb-deficient children and their families. MCN Am J Matern Child Nurs 1986 Jan-Feb;11(1):46-52.

van Oers CAJM, van der Woude LHV, Roebroeck ME, Rozendal RH. A failure diary for hand propelled wheelchairs. J Rehabil Sci 1991;4(4):123-30.

Whittle MW, Cochrane GM, Chase AP, Copping AV, Jefferson RJ, Staples DJ, Fenn PT, Thomas DC. A comparative trial of two walking systems for paralysed people. Paraplegia 1991 Feb;29(2): 97-102.

Wientroub S, Khermosh O. A new orthosis for the management of clubfoot and other foot and leg deformities in infancy and early childhood. J Pediatr Orthop 1991 Jul-Aug;11(4):485-7.

Williamson VC. Amputation of the lower extremity: an overview. Orthop Nurs 1992 Mar-Apr;11(2): 55-65.

Wilson AB Jr. How to select and use manual wheelchairs. Topping (VA): Rehabilitation Press; 1992. 67 p.

Wilson AB Jr. Limb prosthetics. New York: Demos; 1989. Prosthetics training and stump care. p. 91-8.

Wirta RW, Mason R, Calvo K, Golbranson FL. Effect on gait using various prosthetic ankle-foot devices. J Rehabil Res Dev 1991 Spring;28(2):13-24.

Wu SH. A belly gutter splint for proximal interphalangeal joint flexion contracture. Am J Occup Ther 1991 Sep;45(9):839-43.

Yawalkar S, Shah A, Ganapati R, Yan LB, Zhang GC, Chen H, Westmacott K, Osterwalder W. Modulan grip-aids for leprosy patients. Int J Lepr Other Mycobact Dis 1992 Jun;60(2):250-4.

Yetzer EA, Winfree M, Scaglione C. An amputee support group. Rehabil Nurs 1989 May-Jun;14(3): 141-2.

INTERNATIONAL ISSUES

al-Turaiki MH, al-Falahi LA. Prosthetics and orthotics: a survey of centres in the Kingdom of Saudi Arabia. Prosthet Orthot Int 1992 Apr;16(1): 38-45.

al-Turaiki MHS. Poliomyelitis and orthotic management at Riyadh Medical Rehabilitation Centre: a retrospective study. J Prosthet Orthot 1989 Jan;1(2):76-81.

Carlson JM. Orthotics and prosthetics in Madagascar and Nicaragua. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 32-3.

Chappell PH. Arm amputation statistics for England 1958-88: an exploratory statistical analysis. Int J Rehabil Res 1992;15(1):57-62.

Christel P. The regulation of orthopaedic devices in France. J Biomed Mater Res 1989 Apr; 23(A1 Suppl):3-7.

Cobey JC, Stover E. Prosthetics in Cambodia. Contemp Orthop 1992 May;24(5):603-5.

Cock J. Life inside the shell: a needs survey of spinal cord-injured wheelchair users in a black South African township. Disabil Handicap Soc 1989;4(1): 3-20.

Dickstein R, Halevy E, Meir H, Bigon R. Use of the early walking aid as a geriatric prosthesis in the community. J Prosthet Orthot 1989 Jan;1(2):110-5.

Dixon P. Rehabilitation resources in certain Islamic countries [letter]. Prosthet Orthot Int 1990 Dec; 14(3):145.

Djeddou N. Experience of treating scoliosis at the Azur Plage medical centre. Ann Readapt Med Phys 1989 Aug;32(4):321-30.

Eisma WH. Research in rehabilitation. The Netherlands. Int J Rehabil Res 1989;12(4):411-5.

Ennals S. Understanding benefits. Mobility allowance. BMJ 1991 Feb 2;302(6771):284-5.

Fahrer M. On perpetuating a medieval tradition [letter]. Med J Aust 1991 Aug 19;155(4):279.

Fernandez-Palazzi F, de Gutierrez DP, Paladino R. The care of the limb deficient child in Venezuela. Prosthet Orthot Int 1991 Aug;15(2):156-9.

Fisher FR. Assistive devices in rehabilitation: a time for a change. Can J Rehabil 1991 Winter;5(2): 67-9.

Gainor BJ. Experiences in an overseas amputee clinic. Contemp Orthop 1992 Jan;24(1):68-75.

Garrett JF. Technology overseas. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 34.

Golding JS, Nathan RH. A third world wheelchair. Int Disabil Stud 1987;9(1):38-40.

Guha SK, Anand S, Sharma J. Foot-controlled artificial arm with complementary activation by body power. Automedica 1989;11:201-7.

Guha SK, Chaudhry KK. A practical approach to multifunctional above knee prosthesis. Automedica 1989;11:233-45.

Ham RO, Roberts CV, Luff R. A five-year review of referrals for prosthetic treatment in England, Wales and Northern Ireland, 1981-85. Health Trends 1989 Feb;21(1):3-6.

Hambrey RA, Withinshaw G. Electrically powered upper limb prostheses: their development and application. Br J Occup Ther 1990 Jan;53(1):7-11.

Hartridge M, Seeger BR. International wheelchair standards: a study of costs and benefits. Assist Technol 1990;2(4):117-23.

Hotchkiss R. Wheelchair designs from the third world: a radical change in cushion design. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 30-1;

Huckstep RL. Appropriate surgery and appliances for patients with deformities and paralysis in developing countries. Instr Course Lect 1992;41:461-9.

Hughes J. The Knud Jansen Lecture. Education: an investment in everyone's future. Prosthet Orthot Int 1992 Aug;16(2):90-7.

Jones LE. Prosthetic limb use in Australia 1981-1985 under the Free Limb Scheme. Prosthet Orthot Int 1989 Aug;13(2):76-81.

Jones LE, Lipson A. The care of the limb deficient child in Australia. Prosthet Orthot Int 1991 Aug; 15(2):140-2.

Kakurai S, Kida M. The care of the limb deficient child in Japan. Prosthet Orthot Int 1991 Aug;15(2): 146-51.

Kald A, Carlsson R, Nilsson E. Major amputation in a defined population: incidence, mortality and results of treatment. Br J Surg 1989 Mar;76(3):308-10.

Keessen W, van der Eijken JW, Diepstraten AF. [The treatment of congenital clubfoot in The Netherlands; results of a survey among orthopedic surgeons]. Ned Tijdschr Geneeskd 1992 Aug 29;136(35):1710-2. (Dut).

Kijkusol D. Simplified, low cost below-knee prosthesis. Prosthet Orthot Int 1986 Aug;10(2): 96-8.

Korzh AA, Iaremenko DA. [What is necessary for raising the quality of prosthetic and orthopedic service to the community?] Ortop Travmatol Protez 1989 Apr;(4):53-7. (Rus).

Kovalenko VV. [Reflexotherapy in orthopedics, traumatology and prosthetics (review of the literature)]. Ortop Travmatol Protez 1990 Apr; (4):66-8. (Rus).

Kullmann L, Laszlo G, Molnar F. [Results of amputation and rehabilitation]. Orv Hetil 1991 Mar 3;132(9):459-63. (Hun).

Lasudry N, Warzee G, Van Rolleghem J. [Image processing and use of CAD in prosthesis manufacturing]. Onde Electr 1991 Jul-Aug; 71(4):45-8 (Fre).

Limb M, Calnan M. Artificial limbs: a real need. Health Serv J 1990 Nov 15;100(5227):1696-7.

Loro A, Franceschi F, Mosha EC, Samwel J. A survey of amputations at Dodoma Regional Hospital, Tanzania. Prosthet Orthot Int 1990 Aug; 14(2):71-4.

Meanley S. The development of a prototype patella tendon bearing prosthesis using high-density polyethylene piping (the drainpipe leg). Proc Inst Mech Eng [H] 1991;205(2):121-3.

Meanley S. Rehabilitation engineering and leprosy in Nepal: a personal view. J Med Eng Technol 1992 Jul-Aug;16(4):165-9.

Meghdari A, Arefi M, Mahmoudian M, Hamza MH. Biomechanical aspects of the Sharif artificial hand. In: Hamza MH, ed. Proceedings of the IASTED International Symposium. Computers and Advanced Technology in Medicine, Healthcare and Bioengineering; 1990 Aug 15-17; Hawaii. Anaheim (CA): ACTA Press; 1990. p. 32-6.

Mohan D, Sethi PK, Ravi R. Mathematical modelling and field trials of an inexpensive endoskeletal above-knee prosthesis. Prosthet Orthot Int 1992 Aug;16(2):118-23.

Oberg K. Cost-benefits in orthopaedic technology by using thermoplastics in developing countries. Prosthet Orthot Int 1991 Apr;15(1):18-22.

Ozyalcin H, Sesli E. Temporary prosthetic fitting for below-knee amputation. Prosthet Orthot Int 1989 Aug;13(2):86-9.

Raab W. Education feature: ten years in the development of the Tanzania Training Centre for Orthopaedic Technologists. Prosthet Orthot Int 1992 Dec;16(3):206-10.

Sethi PK. The Knud Jansen lecture. Technological choices in prosthetics and orthotics for developing countries. Prosthet Orthot Int 1989 Dec;13(3): 117-24.

Sharma VP. The care of the limb deficient child in India. Prosthet Orthot Int 1991 Aug;15(2):143-5.

Skolimowski T, Ostrowska B. [Evaluation of results of the prosthesis using after an amputation within the lower limbs]. Postepy Rehabilitacji (Warsaw) 1990;4(3):13-9. (Pol).

Sliman N, Mrabet A, Daghfous S, Douik M. The care of the limb deficient child in north Africa. Prosthet Orthot Int 1991 Aug;15(2):152-5.

Stewart CP, Jain AS. Dundee revisited--25 years of a total amputee service. Prosthet Orthot Int 1993 Apr; 17(1):14-20.

Takechi H. History of prostheses and orthoses in Japan. Prosthet Orthot Int 1992 Aug;16(2):98-103.

van Dijk AJ. Congenital reduction deficiencies of the upper extremities. Epidemiology and rehabilitation services in the Netherlands. J Rehabil Sci 1990; 3(3):84-8.

Vossberg A. The choice of prosthetic and orthotic technique for less developed countries: analysis and perspectives in Colombia. Prosthet Orthot Int 1988 Aug;12(2):96-100.

Vulliet F, Tschibangu P. [Treatment and rehabilitation of disabilities caused by leprosy at a rural hospital (Kapolowe, Zaire)]. Acta Leprol 1990;7(3):225-8. (Fre).

Walsh NE, Lancaster JL, Faulkner VW, Rogers WE. A computerized system to manufacture prostheses for amputees in developing countries. J Prosthet Orthot 1989 Apr;1(3):165-81.

Watts HG. Management of common Third World orthopaedic problems: paralytic poliomyelitis, tuberculosis of bones and joints, Hansen's disease (leprosy), and chronic osteomyelitis. Instr Course Lect 1992;41:471-8.

NURSING CARE

Assessment and care of the patient with a neck immobilizer [videocassette]. Houston: University of Texas Health Science Center at Houston, UT/TV; 1992. 1 videocassette: 7 min., sound, color, 1/2 in. (Orthopedic nursing series; 1). Accompanied by: 1 guide.

Beida II. [The treatment of suppurative wounds of the stump of the extremities]. Feldsher Akush 1989 Oct;54(10):28-30. (Rus).

Bender LH. Part 2. Osteogenesis imperfecta. Orthop Nurs 1991 Jul-Aug;10(4):23-32.

Broadhurst C. Adjusting to amputation. Nurs Times 1989 Oct 25-31;85(43):55-7.

Brosnan H. Nursing management of the adolescent with idiopathic scoliosis. Nurs Clin North Am 1991 Mar;26(1):17-31.

Bull MJ, Stroup KB, Feller N. Information needs of parents of a child in a Pavlik harness [letter]. Orthop Nurs 1988 Sep-Oct;7(5):12.

Calmels P, Pallot-Prades B, Alexandre C, Minaire P. [The reeducation of the patient with rheumatoid polyarthritis]. Servir 1989 Sep-Oct;37(5):306-9. (Por).

Caring for people at home. Aids to walking. Aust Fam Physician 1989 Jul;18(7):860.

Corwin D, Miller CA. Get your patient off on the right foot. RN 1990 Nov;53(11):44-6.

Crutchwalking: an overview for nurses [videocassette]. [Spokane (WA)]: I.C.N.E., Learning Resources Unit; 1989. 1 videocassette: sound, color, 1/2 in.

Curry LC, Gibson LY. Congenital hip dislocation: the importance of early detection and comprehensive treatment. Nurse Pract 1992 May;17(5):49-55.

Dai S. [Psychology of amputation in carcinoma patients with vital life change events]. Chung Hua Hu Li Tsa Chih 1990 Apr;25(4):175-6. (Chi).

DeValles JH. Crutch walking and discharge instructions [letter]. J Emerg Nurs 1989 Mar-Apr; 15(2 Pt 1):74-5.

Diogo MD, Campedelli MC. [The patient undergoing amputation of the lower limbs and the changes in activitites of daily living]. Rev Paul Enferm 1992 May-Aug;11(2):92-9. (Por).

Dunst RM. Legg-Calvé-Perthes disease. Orthop Nurs 1990 Mar-Apr;9(2):18-27.

Erhart C, Barnsteiner KH. [Possibilities with provision of temporary prostheses]. Dtsch Krankenpflegez 1989 Mar;42(3):150-3. (Ger).

Ewerbeck V, Koster G. [Basic principles of amputation surgery. Surgical strategy, postoperative treatment and provision of prostheses]. Dtsch Krankenpflegez 1989 Mar;42(3):142-6. (Ger).

Ficner HB. Revision surgery in adult scoliosis patients. Orthop Nurs 1993 Mar-Apr;12(2):23-32.

Gauden P. Cancer nursing: learning to cope with an artificial limb. Nursing (Lond) 1990 Aug 23-Sep 12;4(17):16-9.

Gregory E. Nursing practice management: Karen, aged 15 years, has an above-the-knee amputation. J Sch Nurs 1992 Feb;8(1):30, 32.

Grisell J. Turning and transferring the patient: good body mechanics are essential [videocassette]. [Houston]: University of Texas Health Science Center at Houston, School of Nursing; 1991. 1 videocassette: 14 min., sound, color, 1/2 in.

Harden NG, Luster SH. Rehabilitation considerations in the care of the acute burn patient. Crit Care Nurs Clin North Am 1991 Jun;3(2):245-53.

Home Study Program. Congenital dysplasia of the hip. AORN J 1989 Jun;49(6):1563-612.

Kiely T. Laura's story... osteogenic sarcoma... amputation. Nurs Times 1989 Aug 23-29;85(34): 35-8.

Krouskop TA, Cullen B, Garber SL. Custom selection of support surfaces for wheelchairs and beds: one size does not fit all. Dermatol Nurs 1992 Jun;4(3): 191-4, 204.

Kruse DH. Leave the collar on [letter]. J Emerg Nurs 1990 Nov-Dec;16(6):376.

Lane PL, LeBlanc R. Crutch walking. Orthop Nurs 1990 Sep-Oct;9(5):31-8.

Levine JM, Gross J. Atypical locations of pressure sores: presentation of two cases. Decubitus 1989 Nov;2(4):44-6.

Marr J, Edmonds V. Cervical orthoses: the issue of patient compliance. J Neurosci Nurs 1990 Apr; 22(2):104-7.

Mason KJ. Congenital orthopedic anomalies and their impact on the family. Nurs Clin North Am 1991 Mar;26(1):1-16.

McConnell EA. Applying an abduction pillow correctly. Nursing 1992 Jun;22(6):22.

McConnell EA. Correctly positioning an arm sling. Nursing 1991 Jul;21(7):70.

McConnell EA. Teaching a patient to use a cane correctly. Nursing 1991 Sep;21(9):83.

McKenna ME, McCarthy C. Acute care of the patient with spinal cord injury. CONA J 1989 Spring; 11(1):5-10.

Medhat A, Huber PM, Medhat MA. Factors that influence the level of activities in persons with lower extremity amputation. Rehabil Nurs 1990 Jan-Feb;15(1):13-8.

Menz G. [Amputation as a first step towards rehabilitation. Aspects of nursing care after leg amputation]. Dtsch Krankenpflegez 1989 Mar; 42(3):146-50. (Ger).

Mertens JM. [The nurse and the amputation patient]. Servir 1990 Nov-Dec;38(6):298-307. (Por).

Mikulaninec CE. An amputee critical path. J Vasc Nurs 1992 Jun;10(2):6-9.

Motte KM. Making a thoraco-lumbo-sacral orthosis. Orthop Nurs 1991 Jul-Aug;10(4):59-62.

Nazaroff KS, Stanton JH, Magana KR, Kaufman RL. Halo-body jacket immobilization in rheumatoid arthritis patients with cervical myelopathy. Nurs Clin North Am 1989 Mar;24(1):209-23.

Niijima M, Mizushima K, Fujita N. [Preparation of a care manual for patients using a halo brace]. Kango Gijutsu 1989 Jun;35(9):1112-4. (Jpn).

North B, North C, Lee JL. Living in a halo [published erratum appears in Am J Nurs 1992 May;92(5):27]. Am J Nurs 1992 Apr;92(4):54-6.

Novotny M, Swagman A. Caring for children with orthotic/prosthetic needs. J Prosthet Orthot 1992 Jul;4(4):191-5.

Ohman K, Spaniol D. Halo immobilization: discharge planning and patient education. J Neurosci Nurs 1990 Dec;22(6):351-7.

Olson B, Ustanko L. Self-care needs of patients in the halo brace [published erratum appears in Orthop Nurs 1990 May-Jun;9(3):90]. Orthop Nurs 1990 Jan-Feb;9(1):27-33, 52.

Olson B, Ustanko L, Warner S. The patient in a halo brace: striving for normalcy in body image and self-concept. Orthop Nurs 1991 Jan-Feb;10(1): 44-50.

Pediani R. Supporting cast. Br J Theatre Nurs 1992 May;2(2):20-1.

Radermacher M. [Our "Project Wheelchair." Experiences in class--on the way in a wheelchair]. Krankenpflege (Frankf) 1989 Jan;43(1):43. (Ger).

Raven KA, Brugger CA. Hemicorporectomy: a nursing challenge. Orthop Nurs 1992 Mar-Apr; 11(2):73-8.

Redheffer GM, Bailey M. Assessing and splinting fractures. Nursing 1989 Jun;19(6):51-9.

Rudolphi D. Limb loss in the elderly peripheral vascular disease patient. J Vasc Nurs 1992 Sep; 10(3):8-13;

Sanford M, Fowler C. Positioning the patient with an abductor pillow. Orthop Nurs 1989 Sep-Oct;8(5): 21-3.

Saylor DE. Pastoral care of the rehabilitation patient. Rehabil Nurs 1991 May-Jun;16(3):138-40.

Schaming D, Gorry M, Soroka K, Catullo ME. When babies are born with orthopedic problems. RN 1990 Apr;53(4):62-7.

Shoppee K. Developmental dysplasia of the hip. Orthop Nurs 1992 Sep-Oct;11(5):30-6.

Specht J. Wheelchair clinic. J Gerontol Nurs 1992 May;18(5):47.

Speers AT, Speers M. Care of the infant in a Pavlik harness. Pediatr Nurs 1992 May-Jun;18(3):229-32, 252.

Stout JD, Bandy P, Feller N, Stroup KB, Bull MJ. Transportation resources for pediatric orthopaedic clients. Orthop Nurs 1992 Jul-Aug;11(4):26-30.

Swagman A. Caring for limb-deficient children and their families. MCN Am J Matern Child Nurs 1986 Jan-Feb;11(1):46-52.

Teloken M. Current concepts review. Reduction of congenital dislocation of the hip [letter]. J Bone Joint Surg Am 1992 Dec;74(10):1579.

Transfer techniques [videocassette]. Garden Grove (CA): Medcom/Trainex; 1990. 2 videocassettes: sound, color, 1/2 in.

Uratani H. [Innovation in shampooing while using direct skull traction--with special reference to shampooing while fitted with a halo vest]. Kango Gijutsu 1989 Jun;35(9):1109-11. (Jpn).

Van GH, Benichou M, Chiesa G, Lefevre B, Menager D. [Care of amputations of the lower extremities]. Servir 1989 Jan-Feb;37(1):15-20. (Por).

Walsh M, Judd M. Long term immobility and self care: the Orem nursing approach. Nurs Stand 1989 Jul 8;3(41):34-6.

Williamson VC. Amputation of the lower extremity: an overview. Orthop Nurs 1992 Mar-Apr;11(2): 55-65.

Windorski J. The nursing role in the prosthetic clinic team. J Assoc Child Prosthet Orthot Clin 1992 Summer;27(1):11-5.

Yetzer EA, Winfree M, Scaglione C. An amputee support group. Rehabil Nurs 1989 May-Jun;14(3): 141-2.

Yoshida K. [20 years on wheelchair: unpleasant experiences at a rehabilitation center]. Kango 1991 May;43(6):148-54. (Jpn).

Yoshido K. [20 years in a wheelchair--first hospitalization after traffic accident]. Kango 1991 Apr;43(5):119-26. (Jpn).

REHABILITATION

Advances in rehabilitation technology. NSC-88. North Sea Conference on Biomedical Engineering. Maastricht, The Netherlands, April 13-15, 1988. Proceedings. J Med Eng Technol 1989 Jan-Apr; 13(1-2):1-157.

Aisen M, ed. Orthotics in neurologic rehabilitation. New York: Demos; 1992. (Comprehensive neurologic rehabilitation; vol. 5).

Baumgartner R. [Congenital limb abnormalities: amputate or not amputate?]. Rehabilitation (Stuttg) 1990 Feb;29(1):4-11. (Ger).

Baumgartner R. [Rehabilitation following amputation]. Ther Umsch 1989 Jul;46(7):441-8. (Ger).

Becker HM. [Current state of amputation surgery]. Langenbecks Arch Chir Suppl Ii Verh Dtsch Ges Forsch Chir 1989:623-5. (Ger).

Becker HM, Neufeldt KH, Furgani P, Niedermeier H. [Current status of amputation surgery]. Zentralbl Chir 1990;115(14):857-63. (Ger).

Bensahel H, Dal Monte A, Hjelmstedt A, Bjerkreim I, Wientroub S, Matasovic T, Porat S, Bialik V. Congenital dislocation of the knee. J Pediatr Orthop 1989 Mar-Apr;9(2):174-7.

Bensahel H, Guillaume A, Czukonyi Z, Desgrippes Y. Results of physical therapy for idiopathic clubfoot: a long-term follow-up study. J Pediatr Orthop 1990 Mar-Apr;10(2):189-92.

Berko VG, Tomchuk VN, Shevchuk VI, Kisil' IIu. [A device used in early rehabilitation of invalids with amputation defects of 4 extremities]. Ortop Travmatol Protez 1989 Feb;(2):59-60. (Rus).

Binder H, Conway A, Gerber LH. Rehabilitation approaches to children with osteogenesis imperfecta: a ten-year experience. Arch Phys Med Rehabil 1993 Apr;74(4):386-90.

Binder H, Eng GD. Rehabilitation management of children with spastic diplegic cerebral palsy. Arch Phys Med Rehabil 1989 Jun;70(6):482-9.

Blizzard P. Save our thumbs. Physiotherapy 1991; 77(8):573-4.

Block JE, Steinbach LS, Friedlander AL, Steiger P, Ellis W, Morris JM, Genant HK. Electrically-stimulated muscle hypertrophy in paraplegia: assessment by quantitative CT. J Comput Assist Tomogr 1989 Sep-Oct;13(5):852-4.

Bogataj U, Gros N, Malezic M, Kelih B, Kljajic M, Acimovic R. Restoration of gait during two to three weeks of therapy with multichannel electrical stimulation. Phys Ther 1989 May;69(5):319-27.

Bowker JH, Michael JW, eds. Atlas of limb prosthetics: surgical, prosthetic, and rehabilitation principles. 2nd ed. St. Louis: Mosby Year Book; 1992. 930 p.

Bowser MS. Giving up the ghost: a review of phantom limb phenomena. J Rehabil 1991 Jul-Sep; 57(3):55-62.

Brooke MH, Fenichel GM, Griggs RC, Mendell JR, Moxley R, Florence J, King WM, Pandya S, Robison J, Schierbecker J, et al. Duchenne muscular dystrophy: patterns of clinical progression and effects of supportive therapy. Neurology 1989 Apr;39(4):475-81.

Brooks NA. Users' responses to assistive devices for physical disability. Soc Sci Med 1991;32(12): 1417-24.

Butler C. Augmentative mobility: why do it? Phys Med Rehabil Clin North Am 1991 Nov;2(4): 801-15.

Butler PB, Thompson N, Major RE. Improvement in walking performance of children with cerebral palsy: preliminary results. Dev Med Child Neurol 1992 Jul;34(7):567-76.

Campbell WB, Thornberry DJ. Patients who have undergone amputation [letter]. Ann R Coll Surg Engl 1989 Jul;71(4 Suppl):58.

Canelon MF. Training for a patient with shoulder disarticulation. Am J Occup Ther 1993 Feb;47(2): 174-8.

Casa B, Caleffi E, Bocchi A, Ferraro F, Del Piano P. [Rehabilitation of burned patients. II. Therapeutic exercise]. Acta Biomed Ateneo Parmense 1990; 61(1-2):67-71. (Ita).

Cassella MC, Hall JE. Current treatment approaches in the nonoperative and operative management of adolescent idiopathic scoliosis. Phys Ther 1991 Dec;71(12):897-909.

Cassinis A, Conti B, Redaelli T, Cosignani F, Bartemucci G. [The multidisciplinary treatment of children with spina bifida]. Riabilitazione 1991; 24(4):207-21. (Ita).

Chadwick SJ, Wolfe JH. ABC of vascular diseases. Rehabilitation of the amputee. BMJ 1992 Feb 8; 304(6823):373-6.

Charney EB, Melchionni JB, Smith DR. Community ambulation by children with myelomeningocele and high-level paralysis. J Pediatr Orthop 1991 Sep-Oct;11(5):579-82.

Clemmons NW. ABLEDATA: a database of products for the disabled. Med Ref Serv Q 1991 Fall;10(3): 1-15.

Clinical affairs: individual development program for Prosthetic and Sensory Aids Service chiefs: program guide. Washington (DC): Dept. of Veterans Affairs, Veterans Health Services and Research Administration, Prosthetic and Sensory Aids Service; 1990.

Closson JB, Toerge JE, Ragnarsson KT, Parsons KC, Lammertse DP. Rehabilitation in spinal cord disorders. 3. Comprehensive management of spinal cord injury. Arch Phys Med Rehabil 1991 Mar; 72(4-S):S298-308.

Cobb JW. Models for delivery of prosthetic services to geriatric patients. Top Geriatr Rehabil 1992 Sep; 8(1):59-63.

Colburn J, Ibbotson V. Amputation. In: Turner A, Foster M, Johnson SE, eds. Occupational therapy and physical dysfunction: principles, skills, and practice. Edinburgh (UK): Churchill Livingstone; 1992. p. 627-53.

Collin C. Rehabilitation of elderly people with prostheses [letter]. BMJ 1991 Jun 1;302(6788): 1336.

Computerized databases aid rehabilitation. J Assoc Child Prosthet Orthot Clin 1990 Spring;25(1):23.

Cornall C. Self propelling wheelchairs: The effects on spasticity in hemiplegic patients. Physiother Theory Pract 1991;7(1):13-21.

Cross AB. The 1945 St Helena poliomyelitis epidemic after 40 years. J R Soc Med 1989 Jun;82(6): 339-42.

Cupo M. Application of rehabilitation engineering for a bilateral hemipelvectomy amputee with chronic sacral decubitus ulcers. Clin Kinesiol 1991 Spring; 45(1):22-5.

Cutcliffe N, Prugger A. Adapted clothing for patients in halo traction. Can J Occup Ther 1990 Feb; 57(1):39-42.

Datta D, Nair PN, Payne J. Outcome of prosthetic management of bilateral lower-limb amputees. Disabil Rehabil 1992 Apr-Jun;14(2):98-102.

De Luccia N, Pinto MA, Guedes JP, Albers MT. Rehabilitation after amputation for vascular disease: a follow-up study. Prosthet Orthot Int 1992 Aug; 16(2):124-8.

Dean E. Clinical decision making in the management of the late sequelae of poliomyelitis. Phys Ther 1991 Oct;71(10):752-61.

DiCowden M. Pediatric rehabilitation: special patients, special needs. J Rehabil 1990 Jul-Sep;56(3):13-7.

Dijkers MP, deBear PC, Erlandson RF, Kristy K, Geer DM, Nichols A. Patient and staff acceptance of robotic technology in occupational therapy: a pilot study. J Rehabil Res Dev 1991 Spring;28(2):33-44.

Diogo MJ, Campedelli MC. [The patient undergoing amputation of the lower limbs and the changes in activities of daily living]. Rev Paul Enferm 1992 May-Aug;11(2):92-9. (Por).

Directory of national recreation organizations. Except Parent 1991 Oct-Nov;21(7):44.

Directory of on-line networks, databases and bulletin boards on assistive technology. 2nd ed. Washington (DC): RESNA Technical Assistance Project; 1990 Nov. 20 p.

Dixon P. Rehabilitation resources in certain Islamic countries [letter]. Prosthet Orthot Int 1990 Dec; 14(3):145.

Dohler K, de Neve W. [Rehabilitation of leg amputees]. Z Arztl Fortbild (Jena) 1989;83(19): 949-51. (Ger).

Dovelle S, Heeter PK. The Washington Regimen: rehabilitation of the hand following flexor tendon injuries. Phys Ther 1989 Dec;69(12):1034-40.

Duncan RM. Basic principles of splinting the hand. Phys Ther 1989 Dec;69(12):1104-16.

Durance JP, Warren WK, Kerbel DB, Stroud TW. Rehabilitation of below-knee amputees: factors influencing outcome and costs in three programmes. Int Disabil Stud 1989 Jul-Sep;11(3):127-32.

Eisma WH. Research in rehabilitation. The Netherlands. Int J Rehabil Res 1989;12(4):411-5.

Enders A, Hall M, eds. Assistive technology sourcebook. Washington (DC): RESNA Press; 1990. 576 p.

Engstrom B, Van de Ven C. Physiotherapy for amputees: the Roehampton approach. 2nd ed. New York: Churchill Livingstone; 1993.

Epps CH Jr, Schneider PL. Treatment of hemimelias of the lower extremity. Long-term results. J Bone Joint Surg [Am] 1989 Feb;71(2):273-7.

Erhart C, Barnsteiner KH. [Possibilities with provision of temporary prostheses]. Dtsch Krankenpflegez 1989 Mar;42(3):150-3. (Ger).

Ewerbeck V, Koster G. [Basic principles of amputation surgery. Surgical strategy, postoperative treatment and provision of prostheses]. Dtsch Krankenpflegez 1989 Mar;42(3):142-6. (Ger).

Fielden RHN. Natural development of the quadrimembral congenital amputee: a case report. J Assoc Child Prosthet Orthot Clin 1991 Spring-1990 Winter;25(3-4):66-7.

Fraser BA, Hensinger RN, Phelps JA. Physical management of multiple handicaps: a professional's guide. 2nd ed. Baltimore: Paul H. Brookes Publ.; 1990. 337 p.

Friedmann LW. Rehabilitation of the lower extremity amputee. In: Kottke FJ, Lehman JF. Krusen's handbook of physical medicine and rehabilitation. 4th ed. Philadelphia: Saunders; 1990. p. 1024-69.

Fyfe NC, Berridge DC. Success rates for rehabilitation of vascular amputees: implications for preoperative assessment and amputation level [letter]. Br J Surg 1993 Jan;80(1):128.

Gailey RS Jr, Clark CR. Physical therapy management of adult lower-limb amputees. In: Bowker JH, Michael JW, eds. Atlas of limb prosthetics: surgical, prosthetic, and rehabilitation principles. St. Louis: Mosby Year Book; 1992. p. 569-97.

Garcia-Viniegras CR, Rial Blanco N, Molina Martinez O, Salazar Fernandez N, Almeida Hernandez L, Herrera Rodriguez G. [The psychosocial characteristics of the patient who has undergone amputation for vascular reasons. The work, family and sex life aspects]. Angiologia 1991 Jan-Feb; 43(1):26-9. (Spa).

Geiger CM. The utilization of assistive devices by patients discharged from an acute rehabilitation setting. Phys Occup Ther Geriatr 1990;9(1):3-25.

Gyorki JR. Enabling the disabled. Mach Des 1991 Nov 7;63(22):108-13.

Hagberg E, Berlin K, Renstrom P. Function after through-knee as compared to above-knee and below-knee amputation. Prosthet Orthot Int 1992 Dec;16(3):168-73.

Ham R, Cotton LT. Limb amputation: from aetiology to rehabilitation. London: Chapman & Hall; 1991. 229 p. (Therapy in practice series; no. 23).

Hammel JM, Van der Loos HF, Perkash I. Evaluation of a vocational robot with a quadriplegic employee. Arch Phys Med Rehabil 1992 Jul;73(7):683-93.

Hammell KRW. Occupational therapy in the management of high level quadriplegia. Br J Occup Ther 1991 Sep;54(9):333-40.

Hanger HC, Mulley GP. A survey of lower leg braces worn by the over-60s. Clin Rehabil 1991 May; 5(2):95-101.

Hanspal RS, Fisher K. Assessment of cognitive and psychomotor function and rehabilitation of elderly people with prostheses [published erratum appears in BMJ 1991 May 18;302(6786):1182]. BMJ 1991 Apr 20;302(6782):940.

Harden NG, Luster SH. Rehabilitation considerations in the care of the acute burn patient. Crit Care Nurs Clin North Am 1991 Jun;3(2):245-53.

Harryman SE. Lower-extremity surgery for children with cerebral palsy: physical therapy management. Phys Ther 1992 Jan;72(1):16-24.

Hicks JE. Rehabilitation and biomechanics. Curr Opin Rheumatol 1990 Apr;2(2):320-6.

Howell JW. Management of the acutely burned hand for the nonspecialized clinician. Phys Ther 1989 Dec;69(12):1077-90.

Jackson-Wyatt O. Age-related changes in amputee rehabilitation. Top Geriatr Rehabil 1992 Sep;8(1): 1-12.

James WV, McColl I. The way ahead for the amputee. Ann R Coll Surg Engl 1991 May;73(3): 176-7.

Jonas HP, Ott W, Morscher M. [Amputation and prosthetic replacement of the lower extremities in arterial occlusive diseases]. Vasa Suppl 1992;37: 68-70. (Ger).

Jones D, Smart H, Hughes J. A bibliographic database and information retrieval system in prosthetics and orthotics. Health Bull (Edinb) 1991 Jul;49(4): 277-84.

Karacoloff LA, Hammersley CS, Schneider FJ. Lower extremity amputation: a guide to functional outcomes in physical therapy management. 2nd ed. Gaithersburg (MD): Aspen Publishers; 1992. 254 p.

Kejlaa G. [The course after amputation of upper extremities with special reference to the use of prostheses and social conditions]. Ugeskr Laeger 1991 Nov 18;153(47):3322-6. (Dan).

Kovalenko VV. [Reflexotherapy in orthopedics, traumatology and prosthetics (review of the literature)]. Ortop Travmatol Protez 1990 Apr; (4):66-8. (Rus).

Kullmann L. [Treatment and rehabilitation of dysmelic children]. Magy Traumatol Orthop Helyreallito Sebesz 1989;32(2):99-106. (Hun).

Kurtz LA, Scull SA. Rehabilitation for developmental disabilities. Pediatr Clin North Am 1993 Jun;40(3): 629-43.

Lane JM, Kroll MA, Rossbach PG. New advances and concepts in amputee management after treatment for bone and soft-tissue sarcomas. Clin Orthop 1990 Jul;(256):22-8.

Lavan J. Rehabilitation of the elderly amputee [published erratum appears in Ir Med J 1992 Jun;85(2):42]. Ir Med J 1991 Oct;84(3):91-3.

Lein S. How are physiotherapists using the Vessa Pneumatic Post Amputation Mobility Aid? Physiother 1992 May;78(5):318-22.

Lennon S. Wheelchair transfer training in a stroke patient with neglect: a single case study design. Physiother Theory Pract 1991;7(1):51-5.

Leung P. Robotics in rehabilitation. J Rehabil 1988 Oct-Dec;54(4):6-7.

Lewis K. Inglis House: a wheelchair community. J Long Term Care Adm 1992 Spring;20(1):8, 10-1.

Lindsay JA. Rehabilitation of amputees [letter]. BMJ 1992 Mar 28;304(6830):842.

Marmann C. [The geriatric amputee after release from successful rehabilitation]. Chirurg 1992 Oct; 63(10):suppl 204-5. (Ger).

Martini G, Vitangeli L, Assennato P, Drommi M. [Problems and techniques of functional rehabilitation of upper limb stump]. Clin Ter 1990 Jul 15;134(1):13-24. (Ita).

Menz G. [Amputation as a first step towards rehabilitation. Aspects of nursing care after leg amputation]. Dtsch Krankenpflegez 1989 Mar; 42(3):146-50. (Ger).

Mikulaninec CE. An amputee critical path. J Vasc Nurs 1992 Jun;10(2):6-9.

Milner M, Naumann S, Literowich W, Martin M, Ryan S, Sauter WF, Shein GF, Verburg G. Rehabilitation engineering in pediatrics. Pediatrician 1990;17(4):287-96.

Muthu S. Rehabilitation of amputees [letter]. BMJ 1992 Mar 28;304(6830):842.

Nawoczenski DA, Birke JA, Graham SL, Koziatek E. The neuropathic foot--a management scheme: a case report. Phys Ther 1989 Apr;69(4):287-91.

Nemytin IUV, Kudriavtsev BP, Mironov GM, Konovalov VA. [The rehabilitation of wounded patients with limb stumps]. Voen Med Zh 1992 Apr-May;(4-5):54-6. (Rus).

Newell AF. Technology for the disabled--future research needs. J Med Eng Technol 1989 Jan-Apr; 13(1-2):156-7.

Novotny MP. Psychosocial issues affecting rehabilitation. Phys Med Rehabil Clin North Am 1991 May;2(2):373-93.

O'Connell PG, Gnatz S. Hemiplegia and amputation: rehabilitation in the dual disability. Arch Phys Med Rehabil 1989 Jun;70(6):451-4.

Pechman K. Rehabilitation: the diabetic amputee [videocassette]. Secaucus (NJ): Network for Contnuing Medical Education; 1991. 1 videocassette: 32 min., sound, color, 1/2 in. (NCME telecourse; no. 607). Accompanied by: 1 guide.

Penington G, Warmington S, Hull S, Freijah N. Rehabilitation of lower limb amputees and some implications for surgical management. Aust N Z J Surg 1992 Oct;62(10):774-9.

Philips CA. Management of the patient with rheumatoid arthritis. The role of the hand therapist. Hand Clin 1989 May;5(2):291-309.

Philips CA. Rehabilitation of the patient with rheumatoid hand involvement. Phys Ther 1989 Dec;69(12):1091-8.

Pike AC, Nattress LW Jr. The changing role of the amputee in the rehabilitation process. Phys Med Rehabil Clin North Am 1991 May;2(2):405-14.

Pohjolainen T, Alaranta H. [Rehabilitation of limb amputees]. Duodecim 1989;105(2):175-85. (Fin).

Presperin JJ, ed. Capitalizing on technology: proceedings of the RESNA 13th annual conference; 1990 Jun 15-20; Washington, DC. Washington (DC): RESNA Press; 1990. 445 p.

Puddicombe BE, Nardone MA. Rehabilitation of the burned hand. Hand Clin 1990 May;6(2):281-92.

Refisch A. [Rehabilitation of amputees]. Langenbecks Arch Chir Suppl Ii Verh Dtsch Ges Forsch Chir 1989:657-62. (Ger).

Rehabilitation R & D Progress Reports 1988. J Rehabil Res Dev 1989 Feb;25 Suppl:1-419.

Rehabilitation R & D progress reports 1989. J Rehabil Res Dev 1990 Feb;26 Suppl:1-509.

Rehabilitation R & D progress reports 1990. J Rehabil Res Dev 1991 Winter;28(1):1-535.

Rehabilitation technology education for prosthetics, orthotics, and PTA students [computer program + videodisc]. Memphis (TN): Shelby State Community College, Allied Health Department; 1989. computer discs; 1 videodisc: sound, color, 12 in. System requirements: IBM PC, AT, XT, or PS/2 or compatible; IBM InfoWindow and compatible systems.

RESNA '90: capitalizing on technology for people with disabilities. Proceedings of the 13th annual conference; 1990 Jun 15-20; Washington, DC. Washington (DC): RESNA Press; 1990. 445 p.

RESNA '91: technology for the nineties. Proceedings of the 14th annual conference; 1991 Jun 21-26; Kansas City, MO. Washington (DC): RESNA Press; 1991. 442 p.

RESNA '92: technology for consumers. Proceedings of the 15th annual conference; 1992 Jun 6-11; Toronto, Canada. Washington (DC): RESNA Press; 1992. 657 p.

Rhodes VJ. Physical therapy management of patients with juvenile rheumatoid arthritis. Phys Ther 1991 Dec;71(12):910-9.

Roeschlein RA, Domholdt E. Factors related to successful upper extremity prosthetic use. Prosthet Orthot Int 1989 Apr;13(1):14-8.

Rozhkov AV, Shcherbina KK, Susliaev VG. [Functional characteristics of the upper leg stumps after knee joint disarticulation and prosthesis]. Ortop Travmatol Protez 1991 Jun;(6):29-33. (Rus).

Rozsos I, Kollar L, Kiss T, Tanto Z, Molnar L. [Data on possibilities of rehabilitation of lower limb amputees]. Orv Hetil 1991 Sep 15;132(37):2045-8. (Hun).

Ryan KD, Ploski C, Emans JB. Myelodysplasia the musculoskeletal problem: habilitation from infancy to adulthood. Phys Ther 1991 Dec;71(12):935-46.

Ryder RA. Occupational therapy for a patient with a bilateral Krukenberg amputation. Am J Occup Ther 1989 Oct;43(10):689-91.

Saadah ESM. Rehabilitation of a below-knee amputee with a diving limb. Clin Rehabil 1989 Aug;3(3): 249-51.

Saunders SR. Physical therapy management of hand fractures. Phys Ther 1989 Dec;69(12):1065-76.

Saylor DE. Pastoral care of the rehabilitation patient. Rehabil Nurs 1991 May-Jun;16(3):138-40.

Shell J. Sexual rehabilitation of the amputee. Oncol Nurs Forum 1989 Jan-Feb;16(1):105-6.

Shin DY. Advances in rehabilitation technology. Introduction. Adv Clin Rehabil 1990;3:3-9.

Sinclair AM. Occupational therapy and the lower limb amputee in Western Australia. Br J Occup Ther 1991 Feb;54(2):69-71.

Siriwardena GJA, Bertrand PV. Factors influencing rehabilitation of arteriosclerotic lower limb amputees. J Rehabil Res Dev 1991 Summer;28(3): 35-44.

Skolimowski T, Ostrowska B. [Evaluation of results of the prosthesis using after an amputation within the lower limbs]. Postepy Rehabilitacji (Warsaw) 1990;4(3):13-9 (Pol).

Stone LR, Keenan MA, Shin DY. Acquired limb loss in patients with traumatic brain injury. Am J Phys Med Rehabil 1990 Jun;69(3):135-9.

Subbarao JV. Walking after spinal cord injury. Goal or wish? West J Med 1991 May;154(5):612-4.

Svoboda J. Psychosocial considerations in pediatrics: use of amputee dolls. J Prosthet Orthot 1992 Jul; 4(4):207-12.

Thacker K. Facing the fleshmovers... physiatrists, physical therapists, rehab doctors and the like. J Rehabil 1990 Jan-Mar;56(1):8-10.

University of Strathclyde, National Centre for Training and Education in Prosthetics and Orthotics, RECAL Information Services. RECAL thesaurus: prosthetics, orthotics, and rehabilitation. Glasgow (UK): The University; 1988. 209 p.

van Dijk AJ. Congenital reduction deficiencies of the upper extremities. Epidemiology and rehabilitation services in the Netherlands. J Rehabil Sci 1990; 3(3):84-8.

Vermeer A. Toward an interdisciplinary model for movement rehabilitation of physically disabled children. Appl Phys Activ Q 1989 Apr;6(2): 133-44.

Vulliet F, Tschibangu P. [Treatment and rehabilitation of disabilities caused by leprosy at a rural hospital (Kapolowe, Zaire)]. Acta Leprol 1990;7(3):225-8. (Fre).

Wahle H. [Ten years follow-up of post-discharge training status of 50 patients with complete paraplegia]. Rehabilitation (Stuttg) 1991 Feb; 30(1):3-13. (Ger).

Wilson AB Jr. Limb prosthetics. New York: Demos; 1989. Functional capacities of amputees and vocational rehabilitation. p. 105-12.

Wolf E, Lilling M, Ferber I, Marcus J. Prosthetic rehabilitation of elderly bilateral amputees. Int J Rehabil Res 1989;12(3):271-8.

York J. Mobility methods selected for use in home and community environments. Phys Ther 1989 Sep;69(9):736-47.

Zijp EM, Rasenberg EM, van den Bosch JS. [Rehabilitation of nursing home patients with a leg amputation. A retrospective study]. Tijdschr Gerontol Geriatr 1992 Apr;23(2):54-9. (Dut).

PROFESSIONAL EDUCATION, TRAINING, & ORGANIZATIONS

al-Turaiki MH, al-Falahi LA. Prosthetics and orthotics: a survey of centres in the Kingdom of Saudi Arabia. Prosthet Orthot Int 1992 Apr;16(1): 38-45.

American Board for Certification in Orthotics and Prosthetics, Inc. 1992 Registry of the American Board for Certification in Orthotics and Prosthetics. Alexandria (VA): The Board; 1992. 199 p.

Barber EL. Strength and range-of-motion examination skills for the clinical orthotist. J Prosthet Orthot 1993 Apr;5(2):49-51.

Barringer WJ, Kapp S, Dankmeyer CH Jr, Clark D, Supan TJ, Seabrook R. The changing face of O&P education: Can we make a better practitioner? J Prosthet Orthot 1993 Apr;5(2):55-8.

Clinic members of the Association of Children's Prosthetics-Orthotics Clinics. J Assoc Child Prosthet Orthot Clin 1989 Spring;24(1):14-22.

Clinical affairs: individual development program for Prosthetic and Sensory Aids Service chiefs: program guide. Washington (DC): Dept. of Veterans Affairs, Veterans Health Services and Research Administration, Prosthetic and Sensory Aids Service; 1990.

Directory of national recreation organizations. Except Parent 1991 Oct-Nov;21(7):44.

Directory of wheelchair carriers, van lifts and ramps. Except Parent 1991 Mar;21(2):45.

Directory of Wheelchair Manufacturers. Except Parent 1991 Mar;21(2):44.

Goldberg B. The orthopaedist as prosthetic team leader: getting the best for your patient from the team. Instr Course Lect 1990;39:353-4.

Heim S. Education feature: a training and development concept for the field of Orthopaedic Technology. Prosthet Orthot Int 1992 Dec;16(3): 203-5.

Hughes J. The Knud Jansen Lecture. Education: an investment in everyone's future. Prosthet Orthot Int 1992 Aug;16(2):90-7.

McCarron EJ. Self assessment examination: 1989 pretest on prosthetics, orthotics, and assistive devices. Arch Phys Med Rehabil (Suppl) 1989 May;70(5-S):Study Guide Issue:S192-4 .

McCarron EJ. Answer key to the 1989 pretest on prosthetics, orthotics, and assistive devices. Arch Phys Med Rehabil (Suppl) 1989 May;70(5-S):Study Guide Issue:S218-9.

O & P Education. J Prosthet Orthot 1992 Oct; 4(5):223-282.

Raab W. Education feature: ten years in the development of the Tanzania Training Centre for Orthopaedic Technologists. Prosthet Orthot Int 1992 Dec;16(3):206-10.

Rehabilitation technology education for prosthetics, orthotics, and PTA students [computer program + videodisc]. Memphis (TN): Shelby State Community College, Allied Health Department; 1989. computer discs; 1 videodisc: sound, color, 12 in. System requirements: IBM PC, AT, XT, or PS/2 or compatible; IBM InfoWindow and compatible systems.

ORTHOTIC DEVICES

OVERVIEW

Aisen M, ed. Orthotics in neurologic rehabilitation. New York: Demos; 1992. (Comprehensive neurologic rehabilitation; vol. 5).

al-Turaiki MH, al-Falahi LA. Prosthetics and orthotics: a survey of centres in the Kingdom of Saudi Arabia. Prosthet Orthot Int 1992 Apr; 16(1):38-45.

American Board for Certification in Orthotics and Prosthetics, Inc. 1992 registry of the American Board for Certification in Orthotics and Prosthetics. Alexandria (VA): The Board; 1992. 199 p.

American Occupational Therapy Association, Practice Division. Orthotics, prosthetics: information packet [bibliography]. Rockville (MD): The Association; [1989]. 126 p.

American Orthotic and Prosthetic Association. The illustrated guide to orthotics and prosthetics: O & P's comprehensive guide to Medicare codes and reimbursement. Alexandria (VA): The Association; 1992- .

Aston JW Jr. Post-polio syndrome. An emerging threat to polio survivors. Postgrad Med 1992 Jul; 92(1):249-56, 260.

Bardot A. L'Appareillage en orthopedie: membres inferieurs de l'enfant: amputes pour arteriopathie des membres inferieurs de l'adulte. Montpellier (France): Sauramps Medical; 1990. 157 p. (Fre).

Boker P, et al, eds. Biomechancial basis of orthotic management. Oxford; Boston: Butterworth-Heinemann; 1993.

Burns MJ. Useful considerations for orthotic control. Am Acad Podiatr Sports Med Newsl 1989 Jan:8.

Calmels P, Escafit M, Domenach M, Minaire P. Posturographic evaluation of the proprioceptive effect of ankle orthoses in healthy volunteers. Int Disabil Stud 1991 Apr-Jun;13(2):42-5.

Childress DS. Hector Kay, Alan Kay, and the future of prosthetics and orthotics (Hector Kay Memorial Lecture). J Assoc Child Prosthet Orthot Clin 1989 Summer-Autumn;24(2-3):40-6.

Cole WG. Orthotics and prosthetics in the management of limb inequality. In: Menelaus MB, ed. Management of limb inequality. Edinburgh (UK): Churchill Livingstone; 1991. p. 59-70.

A compendium of rehabilitation technology research supported by NIDRR: national workshop on rehabilitation technology; 1990 Oct 3-4; Washington, DC. Washington (DC): Electronic Industries Foundation, Rehabilitation Center; 1990. 278 p.

Condie DN. Lower limb orthotics. Curr Opin Orthop 1990 Dec;1(3):462-5.

Dittmer DK, McArthur-Turner DE, Jones IC. Orthotics in stroke. Phys Med Rehabil 1993 Feb; 7(1):161-78.

Edelstein JE. Orthotic assessment and management. In: O'Sullivan SB, Schmitz TJ. Physical rehabilitation: assessment and treatment. 2nd ed. Philadelphia: F.A. Davis; 1988. p. 589-614.

Eisma WH. Research in rehabilitation. The Netherlands. Int J Rehabil Res 1989;12(4):411-5.

Esquenazi A, Hirai B. Assessment of gait and orthotic prescription. Phys Med Rehabil Clin North Am 1991 Aug;2(3):473-85.

Fisher FR. Assistive devices in rehabilitation: a time for a change. Can J Rehabil 1991 Winter;5(2): 67-9.

Fisher LR, McLellan DL. Questionnaire assessment of patient satisfaction with lower limb orthoses from a district hospital. Prosthet Orthot Int 1989 Apr; 13(1):29-35.

Fraser BA, Hensinger RN, Phelps JA. Physical management of multiple handicaps: a professional's guide. 2nd ed. Baltimore: Paul H. Brookes Publ.; 1990. 337 p.

Garrett JF. Technology overseas. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 34.

Gyorki JR. Enabling the disabled. Mach Des 1991 Nov 7;63(22):108-13.

Hicks JE. Rehabilitation and biomechanics. Curr Opin Rheumatol 1990 Apr;2(2):320-6.

Hicks JE, Leonard JA Jr, Nelson VS, Fisher SV, Esquenazi A. Prosthetics, orthotics, and assistive devices. 4. Orthotic management of selected disorders. Arch Phys Med Rehabil 1989 May; 70(5-S):S210-7.

Huckstep RL. Appropriate surgery and appliances for patients with deformities and paralysis in developing countries. Instr Course Lect 1992;41:461-9.

Jones D, Smart H, Hughes J. A bibliographic database and information retrieval system in prosthetics and orthotics. Health Bull (Edinb) 1991 Jul;49(4):277-84.

Kraft GH, Lehmann JF. Orthotics. Phys Med Rehabil Clin North Am 1992 Feb;3(1):1-241.

Krebs DE. Prosthetics and orthotics. In: Scully RM, Barnes MR, Canfield JS, et al., eds. Physical therapy. Philadelphia: Lippincott; 1989. p. 998-1051.

Kurtz LA, Scull SA. Rehabilitation for developmental disabilities. Pediatr Clin North Am 1993 Jun;40(3): 629-43.

Lehmann JF, ed. Orthotics. Phys Med Rehabil 1991 Jun;5(2):1-247.

Leonard JA Jr, Esquenazi A, Fisher SV, Hicks JE, Meier RH 3d, Nelson VS. Prosthetics, orthotics, and assistive devices. 1. General concepts. Arch Phys Med Rehabil 1989 May;70(5-S):S195-201.

Lohman M, Goldstein H. Alternative strategies in tone reducing AFO design. J Prosthet Orthot 1993 Jan; 5(1):1-4.

Mararos J, Hodge W. Orthotic survey. Preliminary results. J Am Podiatr Med Assoc 1993 Mar; 83(3):139-48.

Nelson VS, Leonard JA Jr, Fisher SV, Esquenazi A, Hicks JE. Prosthetics, orthotics, and assistive devices. 2. Specialized seating and assistive devices. Arch Phys Med Rehabil 1989 May;70(5-S):S202-5.

Nesbitt L. A practical guide to prescribing orthoses. Physician Sportsmed 1992 May;20(5):76-8, 83-7.

Novotny MP, Childress DS. Northwestern University initiates prosthetics/orthotics information and education resource. J Assoc Child Prosthet Orthot Clin 1989 Spring;24(1):1-5.

Paul JP, Barbenel JC, Courtney JM, Kenedi RM, eds. Progress in Bioengineering: Strathclyde bioengineering seminars: proceedings of an International Seminar held on the Occasion of the 25th Anniversary of the Strathclyde Bioengineering Unit; 1988 Sep; Glasgow, Scotland. Bristol (UK): A. Hilger; 1989. 299 p.

Pinnington LL, Rowe P. Orthotics. In: Turner A, Foster M, Johnson SE, eds. Occupational therapy and physical dysfunction: principles, skills, and practice. Edinburgh: Churchill Livingstone; 1992. p. 343-57.

Presperin JJ, ed. Capitalizing on technology: proceedings of the RESNA 13th annual conference; 1990 Jun 15-20; Washington, DC. Washington (DC): RESNA Press; 1990. 445 p.

Presperin JJ, ed. Technology for the next decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989 Jun. 481 p.

Press JM, Wiesner SL. Prevention: conditioning and orthotics. Hand Clin 1990 Aug;6(3):383-92.

Rehabilitation R & D progress reports 1988. J Rehabil Res Dev 1989 Feb;25 Suppl:1-419.

Rehabilitation R&D progress reports 1989. J Rehabil Res Dev 1990 Feb;26 Suppl:1-509.

Rehabilitation R&D progress reports 1990. J Rehabil Res Dev 1991 Winter;28(1):1-535.

RESNA '90: capitalizing on technology for people with disabilities. Proceedings of the 13th annual conference; 1990 Jun 15-20; Washington, DC. Washington (DC): RESNA Press; 1990. 445 p.

RESNA '91: technology for the nineties. Proceedings of the 14th annual conference; 1991 Jun 21-26; Kansas City, MO. Washington (DC): RESNA Press; 1991. 442 p.

RESNA '92: technology for consumers. Proceedings of the 15th annual conference; 1992 Jun 6-11; Toronto, Canada. Washington (DC): RESNA Press; 1992. 657 p.

Schutt AH. Upper extremity and hand orthotics. Phys Med Rehabil Clin North Am 1992 Feb;3(1):223-41.

Shurr DG, Cook TM. Prosthetics & orthotics. Norwalk (CT): Appleton & Lange; 1990. 225 p.

Sutherland J. Orthotics. In: Nickel VL, Botte MJ, eds. Orthopaedic rehabilitation. 2nd ed. New York: Churchill Livingstone; 1992. p. 117-26.

University of Strathclyde, National Centre for Training and Education in Prosthetics and Orthotics, RECAL Information Services. RECAL thesaurus: prosthetics, orthotics, and rehabilitation. Glasgow (Scotland): The University; 1988. 209 p.

Watanabe H. [Knowledge of lower extremity orthosis]. Nippon Seikeigeka Gakkai Zasshi 1991 Oct;65(10):997-1002. (Jpn).

Watanabe H. [Recent research in prosthetics and orthotics]. Nippon Seikeigeka Gakkai Zasshi 1991 Apr;65(4):271-5. (Jpn).

Watts HG. Management of common Third World orthopaedic problems: paralytic poliomyelitis, tuberculosis of bones and joints, Hansen's disease (leprosy), and chronic osteomyelitis. Instr Course Lect 1992;41:471-8.

Weber D. Clinical aspects of lower extremity orthotics. Oakville (ON): Elgan Enterprises; 1990. 372 p.

Which orthosis? [editorial]. Lancet 1989 Sep 23; 2(8665):721.

White FJ. Orthotics. In: Drennan JC, ed. The child's foot and ankle. New York: Raven Press; 1992. p. 71-96.

SPECIFIC DEVICES

Braces

Abou-Hanna JJ, Okamura K, Tayyari F. Preloading of the knee joint by prophylactic braces. Soma Eng Human Body 1989;3(4):25-35.

Akamatsu N, Hamada Y, Kohno H, Siddiqi NA. Osteofibrous dysplasia of the tibia treated by bracing. Int Orthop 1992;16(2):180-4.

American Academy of Pediatrics Committee on Sports Medicine: Knee brace use by athletes. Pediatrics 1990 Feb;85(2):228.

Andersen J, Rostgaard-Christensen E. Progressive noninfectious anterior vertebral fusion. J Bone Joint Surg [Br] 1991 Sep;73(6):859-62.

Anderson K, Wojtys EM, Loubert PV, Miller RE. A biomechanical evaluation of taping and bracing in reducing knee joint translation and rotation. Am J Sports Med 1992 Jul-Aug;20(4):416-21.

Anderson MA, Rutt RA. The effects of counterforce bracing on forearm and wrist muscle function. J Orthop Sports Phys Ther 1992 Feb;15(2):87-91.

Andrews BJ, Cobelli C, Mariani L. Rule based control of hybrid FES orthoses. In: Cobelli C, Mariani L, eds. Modelling and control in biomedical systems: selected papers from the 1st IFAC Symposium; 1988 Apr 6-8; Venice, Italy. Oxford; New York: Pergamon Press; 1989. p. 287-94.

Andrews BJ, Kirkwood CA, Kim Y, Spelman FA. Control of hybrid FES orthoses. In: Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 11th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1989 Nov 9-12; Seattle, WA. Vol. 5. Piscataway (NJ): IEEE; 1989. p. 1473-4.

Andrews G, MacEwen GD. Idiopathic scoliosis. An 11-year follow-up study of the role of the Milwaukee brace in curve control and trunco-pelvic alignment. Orthopedics 1989 Jun;12(6):809-16.

Appelgren G, Willner S. End vertebra angle--a roentgenographic method to describe a scoliosis. A follow-up study of idiopathic scoliosis treated with the Boston brace. Spine 1990 Feb;15(2):71-4.

Arvidson EB, Micheli LJ. Spine and trunk problems in athletes. Curr Opin Orthop 1990 Dec;1(3): 361-4.

Bailes JE, Hadley MN, Quigley MR, Sonntag VK, Cerullo LJ. Management of athletic injuries of the cervical spine and spinal cord. Neurosurgery 1991 Oct;29(4):491-7.

Baker BE. Prevention of ligament injuries to the knee. Exerc Sport Sci Rev 1990;18:291-305.

Baker BE, VanHanswyk E, Bogosian SP, Werner FW, Murphy D. The effect of knee braces on lateral impact loading of the knee. Am J Sports Med 1989 Mar-Apr;17(2):182-6.

Benzel EC, Larson SJ, Kerk JJ, Millington PJ, Novak SM, Falkner RH, Wenninger WJ. The thermoplastic Minerva body jacket: a clinical comparison with other cervical spine splinting techniques. J Spinal Disord 1992 Sep;5(3):311-9.

Berned Muller E, Nordwall A, von Wendt L. The influence of scoliosis brace treatment on function in children with myelomeningocele. Acta Paediatr 1992 Nov;81(11):925-8.

Beynnon BD, Pope MH, Wertheimer CM, Johnson RJ, Fleming BC, Nichols CE, Howe JG. The effect of functional knee-braces on strain on the anterior cruciate ligament in vivo. J Bone Joint Surg Am 1992 Oct;74(9):1298-312.

Beynnon BD, Renstrom PA. The effect of bracing and taping in sports. Ann Chir Gynaecol 1991;80(2): 230-8.

Bierling-Sorensen F, Ryde H, Bojsen-Moller F, Lyquist E. Shock absorbing material on the shoes of long leg braces for paraplegic walking. Prosthet Orthot Int 1990 Apr;14(1):27-32.

Binder H, Conway A, Gerber LH. Rehabilitation approaches to children with osteogenesis imperfecta: a ten-year experience. Arch Phys Med Rehabil 1993 Apr;74(4):386-90.

Black JR. Management of diabetic plantar ulcers with a walking brace. A clinical trial. J Am Podiatr Med Assoc 1990 Mar;80(3):156-7.

Blauth W, Ulrich HW, Hahne HJ. [Sense and nonsense of knee orthosis]. Unfallchirurg 1990 May;93(5):221-7. (Ger).

Boachie-Adjei O, Bradford DS. Vertebral column resection and arthrodesis for complex spinal deformities. J Spinal Disord 1991 Jun;4(2): 193-202.

Bordelon RL. Orthotics, shoes, and braces. Orthop Clin North Am 1989 Oct;20(4):751-7.

Boulot J, Cahuzac JP, Clement JL, Gaubert J. CTM orthesis for iodiopathic scoliosis. Ann Readapt Med Phys 1990;33(3):291-301.

Branch TP, Hunter R, Donath M. Dynamic EMG analysis of anterior cruciate deficient legs with and without bracing during cutting. Am J Sports Med 1989 Jan-Feb;17(1):35-41.

Bresnahan PJ, Lubert MA. The Tibial Torsion Transformer. J Am Podiatr Med Assoc 1992 Jan; 82(1):42-4.

Brosnan H. Nursing management of the adolescent with idiopathic scoliosis. Nurs Clin North Am 1991 Mar;26(1):17-31.

Brown TD, Van Hoeck JE, Brand RA. Laboratory evaluation of prophylactic knee brace performance under dynamic valgus loading using a surrogate leg model. Clin Sports Med 1990 Oct;9(4):751-62.

Bull MJ, Stroup KB, Feller N. Information needs of parents of a child in a Pavlik harness [letter]. Orthop Nurs 1988 Sep-Oct;7(5):12.

Burks RT, Bean BG, Marcus R, Barker HB. Analysis of athletic performance with prophylactic ankle devices. Am J Sports Med 1991 Mar-Apr;19(2): 104-6.

Burl MM, Williams JG, Nayak US. Effects of cervical collars on standing balance. Arch Phys Med Rehabil 1992 Dec;73(12):1181-5.

Camden P, Nade S. Fracture bracing the humerus. Injury 1992;23(4):245-8.

Carne P. Nonsurgical treatment of ankle sprains using the modified Sarmiento brace. Am J Sports Med 1989 Mar-Apr;17(2):253-7.

Cassella MC, Hall JE. Current treatment approaches in the nonoperative and operative management of adolescent idiopathic scoliosis. Phys Ther 1991 Dec;71(12):897-909.

Cawley PW. Postoperative knee bracing. Clin Sports Med 1990 Oct;9(4):763-70.

Cawley PW, France EP, Paulos LE. The current state of functional knee bracing research. A review of the literature. Am J Sports Med 1991 May-Jun; 19(3):226-33.

Cerny K, Perry J, Walker JM. Effect of an unrestricted knee-ankle-foot orthosis on the stance phase of gait in healthy persons. Orthopedics 1990 Oct;13(10):1121-7.

Charney EB, Melchionni JB, Smith DR. Community ambulation by children with myelomeningocele and high-level paralysis. J Pediatr Orthop 1991 Sep-Oct;11(5):579-82.

Chase AP, Bader DL, Houghton GR. The biomechanical effectiveness of the Boston brace in the management of adolescent idiopathic scoliosis. Spine 1989 Jun;14(6):636-42.

Cheng JC, Cheung SS. Modified functional bracing in the ambulatory treatment of femoral shaft fractures in children. J Pediatr Orthop 1989 Jul-Aug;9(4): 457-62.

Cherf J, Paulos LE. Bracing for patellar instability. Clin Sports Med 1990 Oct;9(4):813-21.

Chevalier J, Cordonnier D, Vinchon B, Bayart M. [First-choice orthopedic treatment in congenital hip dislocations discovered after walking age]. Acta Orthop Belg 1990;56(1 Pt B):217-27. (Fre).

Cimino W, Ichtertz D, Slabaugh P. Early mobilization of ankle fractures after open reduction and internal fixation. Clin Orthop 1991 Jun;(267):152-6.

Clayman DA, Murakami ME, Vines FS. Compatibility of cervical spine braces with MR imaging: a study of nine nonferrous devices. AJNR Am J Neuroradiol 1990 Mar-Apr;11(2):385-90.

Conry MA. Orthomedics fracture bracing at LA County USC Medical Center. J Prosthet Orthot 1992 Apr;4(3):151-6.

Cooley WC, Melkonian G, Moses C, Moeschler JB. Autosomal dominant familial spastic paraplegia: description of a large New England family and a study of management. Dev Med Child Neurol 1990 Dec;32(12):1098-104.

Coombs R, Green SA, Sarmiento A, eds. External fixation and functional bracing. London: Orthotext; 1989. 419 p.

Cowart VS. Bracing those knees: how effective? [news]. JAMA 1990 Jan 12;263(2):201.

Cunliffe MW. An adjustable thermoplastic knee brace, directly moulded and colour coordinated. Br J Occup Ther 1992 Nov;55(11):430-4.

Cunliffe MW. Lumbar spinal orthoses: direct moulding using thermoplastic mesh sheet. Br J Occup Ther 1990 Jun;53(6):244-8.

Curbow KJ. Effects of a double metal upright ankle-foot orthosis on postural sway of normal subjects [masters thesis]. Denton (TX): Texas Woman's University; 1991. 67 p.

de Ruiter M. Back to basics with ProFlex. Ergonomics 1990 Mar;33(3):383-5.

Dahl T, Fretheim OJ. [Closed functional treatment of fractures of the ulnar shaft]. Tidsskr Nor Laegeforen 1993 Mar 10;113(7):857-8.

Daley BJ, Ralston JL, Brown TD, Brand RA. A parametric design evaluation of lateral prophylactic knee braces. J Biomech Eng 1993 May;115(2):131-6.

de Vries J. Evaluation of lower leg orthosis use following cerebro-vascular accident. Int J Rehabil Res 1991;14(3):239-43.

Dearolf WW 3d, Betz RR, Vogel LC, Levin J, Clancy M, Steel HH. Scoliosis in pediatric spinal cord-injured patients. J Pediatr Orthop 1990 Mar-Apr;10(2):214-8.

del Pozo LJ, Merino FJ, Imaz M, Vilella J, Campos A. [Dermatosis in a girl with an orthopedic corset]. Enferm Infecc Microbiol Clin 1990 Nov;8(9):584-5. (Spa).

Delamarter R, Hohl M. The cast brace and tibial plateau fractures. Clin Orthop 1989 May;(242):26-31.

Denner F, Siegling CW, Franke J, Hochheim B. [Personal experiences using the Cheneau brace]. Beitr Orthop Traumatol 1990 Jul;37(7):378-82. (Ger).

Devita P, Hunter PB, Skelly WA. Effects of a functional knee brace on the biomechanics of running. Med Sci Sports Exerc 1992 Jul;24(7):797-806.

Dickson JH, Erwin WD. Scoliosis. Crit Rev Phys Rehabil Med 1989;1(2):77-95.

Dostal M, Hradil J, Mihal V, Andresova S. [A distraction abduction apparatus for treatment of Calvé-Legg-Perthes disease]. Acta Chir Orthop Traumatol Cech 1989 Dec;56(6):516-21. (Cze).

Drez D Jr. Knee braces. Video J Orthop Surg [videocassette] 1989;3(5 Pt 2):[presentation 2, 23 min.]. 1 videocassette: sound, color, 1/2 in.

Durham JW, Moskowitz A, Whitney J. Surface electrical stimulation versus brace in treatment of idiopathic scoliosis. Spine 1990 Sep;15(9):888-92.

Edelmann P. Brace treatment in idiopathic scoliosis. Acta Orthop Belg 1992;58 Suppl 1:85-90.

Edwards BG, Marsolais EB. Energy costs of ambulation with reciprocal gait orthosis, electrical stimulation, long leg braces and hybrids: A case study. Clin Kinesiol 1990;44(2):43-7.

Engen T. Lightweight modular orthosis. Prosthet Orthot Int 1989 Dec;13(3):125-9.

Enzenauer RJ, Nordstrom DM. Anterior interosseous nerve syndrome associated with forearm band treatment of lateral epicondylitis. Orthopedics 1991 Jul;14(7):788-90.

Erickson AR, Yasuda K, Beynnon B, Johnson R, Pope M. An in vitro dynamic evaluation of prophylactic knee braces during lateral impact loading. Am J Sports Med 1993 Jan-Feb;21(1):26-35.

Evans DL, Bethem D. Cervical spine injuries in children. J Pediatr Orthop 1989 Sep-Oct;9(5):563-8.

Exner GU. [Current aspects of treatment for clubfoot in infants and young children]. Schweiz Rundsch Med Prax 1990 Nov 20;79(47):1452-6. (Ger).

Farmer MR. Controlling anterior tibial displacement under static load: a comparison of two braces [letter]. Orthopedics 1989 Mar;12(3):354-6.

Feldman MD, Bridwell KH, Sheridan JJ. Hyndman-Schneider procedure for paraplegia caused by a sharp, angular scoliosis: a case report and a review of the literature. J Spinal Disord 1993 Feb;6(1): 76-82.

Feuerbach JW, Grabiner MD. Effect of the aircast on unilateral postural control: amplitude and frequency variables. J Orthop Sports Phys Ther 1993 Mar; 17(3):149-54.

Fisher LR, McLellan DL. Questionnaire assessment of patient satisfaction with lower limb orthoses from a district hospital. Prosthet Orthot Int 1989 Apr; 13(1):29-35.

Focarile FA, Bonaldi A, Giarolo MA, Ferrari U, Zilioli E, Ottaviani C. Effectiveness of nonsurgical treatment for idiopathic scoliosis. Overview of available evidence. Spine 1991 Apr;16(4):395-401.

Gavin TM, Boscardin JB, Patwardhan AG, Bunch WH, Zindrick MR, Lorenz MA, Vrbos LA. Preliminary results of orthotic treatment for chronic low back pain. J Prosthet Orthot 1993 Jan;5(1):5-9.

Gerber LH, Binder H, Weintrob J, Grange DK, Shapiro J, Fromherz W, Berry R, Conway A, Nason S, Marini J. Rehabilitation of children and infants with osteogenesis imperfecta. A program for ambulation. Clin Orthop 1990 Feb;(251):254-62.

Glover SD, Benson MK. Iliotibial band contracture after using the Pavlik harness. J Bone Joint Surg [Br] 1989 May;71(3):535.

Grocholski-Plescher B. ["Mobile occupational therapy" for rheumatic patients: development of the service, utilization and management with aids and braces]. Z Rheumatol 1992;51 Suppl 1:35-40. (Ger).

Gunnoe BA. Adolescent idiopathic scoliosis. Orthop Rev 1990 Jan;19(1):35-43.

Gunnoe BA. Adolescent idiopathic scoliosis. Physician Assist 1990 Sep;14(9):66-7, 70, 72 passim.

Hanger HC, Mulley GP. A survey of lower leg braces worn by the over-60s. Clin Rehabil 1991 May; 5(2):95-101.

Hart DL. Spinal immobility: braces and corsets. In: Gould JA 3rd, ed. Orthopaedic and sports physical therapy. 2nd ed. St. Louis: Mosby; 1990. p. 265-89.

Heary RF, Hunt CD, Krieger AJ, Antonio C, Livingston DH. Acute stabilization of the cervical spine by halo/vest application facilitates evaluation and treatment of multiple trauma patients. J Trauma 1992 Sep;33(3):445-51.

Herkert F, Ruflin G. [Experiences with conservative therapy of humerus shaft fractures]. Z Unfallchir Versicherungsmed 1992;85(4):202-14. (Ger).

Herndon JH. Distal radius fractures: nonsurgical treatment options. Instr Course Lect 1993;42: 67-72.

Herring JA, Williams JJ, Neustadt JN, Early JS. Evolution of femoral head deformity during the healing phase of Legg-Calvé-Perthes disease. J Pediatr Orthop 1993 Jan-Feb;13(1):41-5.

Hierholzer G, Ludolph E. [Indications, choice of procedure and results of conservative therapy of spinal injuries]. Langenbecks Arch Chir Suppl Kongressbd 1992:274-7. (Ger).

Highgenboten CL, Jackson A, Meske N, Smith J. The effects of knee brace wear on perceptual and metabolic variables during horizontal treadmill running. Am J Sports Med 1991 Nov-Dec;19(6): 639-43.

Hokken W, Kalkman S, Blanken WC, van Asbeck FW. A dynamic pronation orthosis for the C6 tetraplegic arm. Arch Phys Med Rehabil 1993 Jan; 74(1):104-5.

Home Study Program. Congenital dysplasia of the hip. AORN J 1989 Jun;49(6):1563-612.

Hong C, San Luis EB, Chung S. Follow up study on the use of leg braces issued to spinal cord injury patients. Paraplegia 1990;28(3):172-7.

Hoppenfeld S, Lopez RA, Molnar G. Plantar weight-bearing pattern in idiopathic scoliosis. Spine 1991 Jul;16(7):757-60.

Hsu JD, Furumasu J. Gait and posture changes in the Duchenne muscular dystrophy child. Club Orthop 1993 Mar;(288):122-5.

Hullin MG, Robb JE, Loudon IR. Ankle-foot orthosis function in low-level myelomeningocele. J Pediatr Orthop 1992 Jul-Aug;12(4):518-21.

Hylton N. Dynamic casting and orthotics. In: Glenn MB, Whyte J, eds. Practical management of spasticity in children and adults. Philadelphia: Lea & Febiger; 1990. p. 167-200.

Isakov E, Mizrahi J, Onna I, Susak Z. The control of genu recurvatum by combining the Swedish knee-cage and an ankle-foot brace. Disabil Rehabil 1992 Oct-Dec;14(4):187-91.

Jefferson RJ, Whittle MW. Performance of three walking orthoses for the paralysed: a case study using gait analysis. Prosthet Orthot Int 1990 Dec; 14(3):103-10.

Johnston CE 2d. Infantile tibia vara. Clin Orthop 1990 Jun;(255):13-23.

Johnston JM, Paulos LE. Prophylactic lateral knee braces. Med Sci Sports Exerc 1991 Jul;23(7): 783-7.

Kahanovitz N, Weiser S. The psychological impact of idiopathic scoliosis on the adolescent female. A preliminary multi-center study. Spine 1989 May; 14(5):483-5.

Karjalainen M, Aho AJ, Katevuo K. Painful spine after stable fractures of the thoracic and lumbar spine. What benefit from the use of extension brace? Ann Chir Gynaecol 1991;80(1):45-8.

Keim HA, Hensinger RN. Spinal deformities. Scoliosis and kyphosis. Clin Symp 1989;41(4): 3-32.

Keller RB. Nonoperative treatment of adolescent idiopathic scoliosis. Instr Course Lect 1989;38: 129-35.

Kennedy JD, Robertson CF, Hudson I, Phelan PD. Effect of bracing on respiratory mechanics in mild idiopathic scoliosis. Thorax 1989 Jul;44(7):548-53.

King GJ, Schatzker J. Nonunion of a complex tibial plateau fracture. J Orthop Trauma 1991;5(2): 209-12.

King HA. Orthotic management of idiopathic scoliosis. Phys Med Rehabil Clin North Am 1992 Feb;3(1):45-55.

Knee bracing. Clin Sports Med 1990 Oct;9(4):731-869.

Labelle H, Dansereau J, Bellefleur C, Poitras B. [3-D study of the immediate effect of the Boston brace on the scoliotic lumbar spine]. Ann Chir 1992;46(9):814-20.

Lawhon SM, Ballard WT, Hays KR. Orthopaedic aspects of Down Syndrome. Contemp Orthop 1990 Apr;20(4):395-403.

Ledingham WM, Wytch R, Goring CC, Mathieson AB, Wardlaw D. On immediate functional bracing of Colles' fracture. Injury 1991 May;22(3):197-201.

Lehmann JF. Push-off and propulsion of the body in normal and abnormal gait. Correction by ankle-foot orthoses. Clin Orthop 1993 Mar;(288):97-108.

Letts M, Rathbone D, Yamashita T, Nichol B, Keeler A. Soft Boston orthosis in management of neuromuscular scoliosis: a preliminary report. J Pediatr Orthop 1992 Jul-Aug;12(4):470-4.

Levy J, Ward WT. Pediatric femur fractures: an overview of treatment. Orthopedics 1993 Feb; 16(2):183-90.

Liggins AB. Quantitative assessment of knee stabilization orthoses [dissertation]. Salford (UK): University of Salford; 1989. 464 p.

Limbird TJ, Stills M, Elliott D, Wharton G. Lower extremity telescopic orthosis for immediate fitting in paraplegia. Orthopedics 1989 Jun;12(6):851-4.

Lofvenberg R, Karrholm J. The influence of an ankle orthosis on the talar and calcaneal motions in chronic lateral instability of the ankle. A stereophotogrammetric analysis. Am J Sports Med 1993 Mar-Apr;21(2):224-30.

Lyles M, Munday J. Report on the evaluation of the Vannini-Rizzoli Stabilizing Limb Orthosis. J Rehabil Res Dev 1992 Spring;29(2):77-104.

MacLean WE Jr, Green NE, Pierre CB, Ray DC. Stress and coping with scoliosis: psychological effects on adolescents and their families. J Pediatr Orthop 1989 May-Jun;9(3):257-61.

Madden G. Orthotic management for osteochondritis dissecans of the talar dome. J Prosthet Orthot 1989 Jan;1(2):72-5.

Maeda CJ, Baydur A, Waters RL, Adkins RH. The effect of the halovest and body position on pulmonary function in quadriplegia. J Spinal Disord 1990 Mar;3(1):47-51.

Magyari Z, Kadas I, Salacz T. [Management of lower leg fractures by external fixators and thermoplastic braces. Preliminary report]. Magy Traumatol Orthop Helyreallito Sebesz 1992;35(1):55-60. (Hun).

Magyari Z, Salacz T, Kadas I. [Management of upper arm fractures using a thermoplastic functional brace]. Magy Traumatol Orthop Helyreallito Sebesz 1992;35(4):325-31. (Hun).

Maiman D, Millington P, Novak S, Kerk J, Ellingsen J, Wenninger W. The effect of the thermoplastic Minerva body jacket on cervical spine motion. Neurosurgery 1989 Sep;25(3):363-7; discussion 367-8.

Marchesi D, Rudeberg A, Aebi M. [Development in conservatively treated scoliosis in patients with myelomeningocele (patients of the years 1964-1977)]. Acta Orthop Belg 1991;57(4):390-8. (Fre).

Martin N. The comparative effectiveness of ankle prophylactic devices in limiting inversion before and after vigorous exercise [masters thesis]. San Jose (CA): San Jose State University; 1991. 74 p.

Martinez AG, Weinstein SL, Dietz FR. The weight-bearing abduction brace for the treatment of Legg-Perthes disease. J Bone Joint Surg [Am] 1992 Jan; 74(1):12-21.

Mazur JM, Sienko-Thomas S, Wright N, Cummings RJ. Swing-through vs. reciprocating gait patterns in patients with thoracic-level spina bifida. Z Kinderchir 1990 Dec;45 Suppl 1:23-5.

Mehta MH. The conservative management of Juvenile Idiopathic Scoliosis. Acta Orthop Belg 1992;58 Suppl 1:91-7.

Milford PI, Dunleavy PJ. A pilot trial of treatment of acute inversion sprains to the ankle by ankle supports. J R Nav Med Serv 1990 Summer;76(2): 97-100.

Miller EA, Hergenroeder AC. Prophylactic ankle bracing. Pediatr Clin North Am 1990 Oct;37(5): 1175-85.

Miller RA, Hardcastle P, Renwick SE. Lower spinal mobility and external immobilization in the normal and pathologic condition. Orthop Rev 1992 Jun; 21(6):753-7.

Mishra DK, Daniel DM, Stone ML. The use of functional knee braces in the control of pathologic anterior knee laxity. Clin Orthop 1989 Apr;(241): 213-20.

Moir JS, Wytch R, Ashcroft GP, Neil G, Ross N, Wardlaw D. Intracast pressure measurements in Colles' fractures. Injury 1991 Nov;22(6):446-50.

Mok DW, Good C. Non-operative management of acute grade III medial collateral ligament injury of the knee: a prospective study. Injury 1989 Sep; 20(5):277-80.

Montgomery DL, Koziris PL. The knee brace controversy. Sports Med 1989 Nov;8(5):260-72.

Montgomery F, Willner S. Prognosis of brace-treated scoliosis. Comparison of the Boston and Milwaukee methods in 244 girls. Acta Orthop Scand 1989 Aug;60(4):383-5.

Montgomery F, Willner S, Appelgren G. Long-term follow-up of patients with adolescent idiopathic scoliosis treated conservatively: an analysis of the clinical value of progression. J Pediatr Orthop 1990 Jan-Feb;10(1):48-52.

Motte KM. Making a thoraco-lumbo-sacral orthosis. Orthop Nurs 1991 Jul-Aug;10(4):59-62.

Mubarak SJ. Idiopathic scoliosis. Audio Dig Orthop [audiocassette] 1992 Jan;15(1):Side A [presentation 1, 21 min.]. Accompanied by: 1 guide.

Mubarak SJ, Camp JF, Vuletich W, Wenger DR, Garfin SR. Halo application in the infant. J Pediatr Orthop 1989 Sep-Oct;9(5):612-4.

Mukherjee A, Fabry G. Evaluation of the prognostic indices in Legg-Calvé-Perthes disease: statistical analysis of 116 hips. J Pediatr Orthop 1990 Mar-Apr;10(2):153-8.

Naumann T, Zahniel K. Comparing the rate of femoral head necrosis of two different treatments of congenital dislocation of the hip. J Pediatr Orthop 1990 Nov-Dec;10(6):780-5.

Nene AV, Patrick JH. Energy cost of paraplegic locomotion using the ParaWalker--electrical stimulation "hybrid" orthosis. Arch Phys Med Rehabil 1990 Feb;71(2):116-20.

Niijima M, Mizushima K, Fujita N. [Preparation of a care manual for patients using a halo brace]. Kango Gijutsu 1989 Jun;35(9):1112-4. (Jpn).

North B, North C, Lee JL. Living in a halo [published erratum appears in Am J Nurs 1992 May;92(5):27]. Am J Nurs 1992 Apr;92(4):54-6.

Oberlander MA, Seidman GD, Whitelaw GP. Treatment of isolated ulnar shaft fractures with functional bracing. Orthopedics 1993 Jan;16(1): 29-32.

Ogilvie JW. Adult scoliosis: evaluation and nonsurgical treatment. Instr Course Lect 1992; 41:251-5.

Olson B, Ustanko L. Self-care needs of patients in the halo brace [published erratum appears in Orthop Nurs 1990 May-Jun;9(3):90]. Orthop Nurs 1990 Jan-Feb;9(1):27-33, 52.

Olson B, Ustanko L, Warner S. The patient in a halo brace: striving for normalcy in body image and self-concept. Orthop Nurs 1991 Jan-Feb;10(1):44-50.

Ott JW, Clancy WG Jr. Functional knee braces. Orthopedics 1993 Feb;16(2):171-5; discussion 175-6.

Petrofsky JS, Smith J. A combined computer-controlled walking and exercise system. J Clin Eng 1991 May-Jun;16(3):223-35.

Pettine KA, Salib RM, Walker SG. External electrical stimulation and bracing for treatment of spondylolysis. A case report. Spine 1993 Mar 15; 18(4):436-9.

Pfeiffer U, Hahnel H. [Use of the halo-gravitation-extension in preoperative preparation in severe scoliosis]. Beitr Orthop Traumatol 1990 Jul;37(7): 382-91. (Ger).

Phillips CA. Functional electrical stimulation and lower extremity bracing for ambulation exercise of the spinal cord injured individual: a medically prescribed system. Phys Ther 1989 Oct;69(10): 842-9.

Phillips DP, Lindseth RE. Ambulation after transfer of adductors, external oblique, and tensor fascia lata in myelomeningocele. J Pediatr Orthop 1992 Nov-Dec;12(6):712-7.

Piazza MR, Bassett GS. Curve progression after treatment with the Wilmington brace for idiopathic scoliosis. J Pediatr Orthop 1990 Jan-Feb;10(1): 39-43.

Pichora DR, McMurtry RY, Bell MJ. Gamekeepers thumb: a prospective study of functional bracing. J Hand Surg [Am] 1989 May;14(3):567-73.

Pieper B, Rodammer G, Gradinger R. [The value of knee joint orthoses in performance sports]. Fortschr Med 1989 Feb 28;107(6):150-2. (Ger).

Pope MH, Broman H, Hansson T. Factors affecting the dynamic response of the seated subject. J Spinal Disord 1990 Jun;3(2):135-42.

Popovic D, Schwirtlich L, Kim Y, Spelman FA. Sensory feed-back in hybrid orthotic system. In: Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 11th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1989 Nov 9-12; Seattle, WA. Vol. 5. Piscataway (NJ): IEEE; 1989. p. 1475-6.

Popovic D, Tomovic R, Schwirtlich L. Hybrid assistive system--the motor neuroprosthesis. IEEE Trans Biomed Eng 1989 Jul;36(7):729-37.

Popovic DB. Dynamics of the self-fitting modular orthosis. IEEE Trans Robot Autom 1990 Apr;6(2): 200-7.

Price CT, Scott DS, Reed FE Jr, Riddick MF. Nighttime bracing for adolescent idiopathic scoliosis with the Charleston bending brace. Preliminary report. Spine 1990 Dec;15(12):1294-9.

PTB cast, long-leg cast-braces, and hip spica casts [videocassette]. United States: American Academy of Orthopedic Surgeons; 1990. 1 videocassette: 16 min., sound, color, 1/2 in.

Pun WK, Chow SP, Fang D, Ip FK, Leong JC, Ng C. A study of function and residual joint stiffness after functional bracing of tibial shaft fractures. Clin Orthop 1991 Jun;(267):157-63.

Racette WL. Clinical experience with functional fracture bracing of the tibial diaphysis. J Prosthet Orthot 1992 Apr;4(3):142-50.

Rader L, Tausch W. [Functional conservative treatment of humerus shaft fracture with the plaster brace]. Zentralbl Chir 1991;116(8):525-30. (Ger).

Rao S, Patel A, Schilhauer T. Osteogenesis imperfecta as a differential diagnosis of pathologic burst fractures of the spine. A case report. Clin Orthop 1993 Apr;(289):113-7.

Rebman LW. Knee braces [letter]. Orthopedics 1989 Mar;12(3):354.

Reding MJ, McDowell FH. Focused stroke rehabilitation programs improve outcome. Arch Neurol 1989 Jun;46(6):700-1.

Refsum HE, Naess-Andresen CF, Lange JE. Pulmonary function and gas exchange at rest and exercise in adolescent girls with mild idiopathic scoliosis during treatment with Boston thoracic brace. Spine 1990 May;15(5):420-3.

Regalbuto MA, Rovick JS, Walker PS. The forces in a knee brace as a function of hinge design and placement. Am J Sports Med 1989 Jul-Aug;17(4): 535-43.

Reid DT, Sochaniwskyj A. Influences of a hand positioning device on upper-extremity control of children with cerebral palsy. Int J Rehabil Res 1992;15(1):15-29.

Reikereas O. Brace with a lateral pad for patellar pain. 2-year follow-up of 25 patients. Acta Orthop Scand 1990 Aug;61(4):319-20.

Requa RK, Garrick JG. Clinical significance and evaluation of prophylactic knee brace studies in football. Clin Sports Med 1990 Oct;9(4):853-69.

Requa RK, Garrick JG. A review of the use of prophylactic knee braces in football. Pediatr Clin North Am 1990 Oct;37(5):1165-73.

Riegler HF. Orthotic devices in winter sports. In: Casey MJ, Foster C, Hixson EG, eds. Winter sports medicine. Philadelphia: F.A. Davis; 1990. p. 56-65. (Contemporary exercise and sports medicine; vol. 3).

Ries MD, Ray S, Winter RB, Bowen JR. Scoliosis in trisomy 18. Spine 1990 Dec;15(12):1281-4.

Rinsky LA. Advances in management of idiopathic scoliosis. Hosp Pract (Off Ed) 1992 Apr 15;27(4): 49-55.

Rovere GD, Curl WW, Browning DG. Bracing and taping in an office sports medicine practice. Clin Sports Med 1989 Jul;8(3):497-515.

Sakamoto H. [Cap brace: a new treatment for newborn and infant congenital muscular torticollis]. Nippon Seikeigeka Gakkai Zasshi 1992 Nov;66(11): 1123-36. (Jpn).

Sarmiento A, Gersten LM, Sobol PA, Shankwiler JA, Vangsness CT. Tibial shaft fractures treated with functional braces. Experience with 780 fractures. J Bone Joint Surg [Br] 1989 Aug;71(4):602-9.

Sauter WF, Bush G, Sommerville J. A single case study: myoelectrically controlled exoskeletal mobilizer for amyotrophic lateral sclerosis (ALS) patients. Prosthet Orthot Int 1989 Dec;13(3):145-8.

Schlenzka D, Ylikoski M, Poussa M. [Experiences with lateral electric surface stimulation in the treatment of idiopathic scoliosis]. Beitr Orthop Traumatol 1990 Jul;37(7):373-8. (Ger).

Schlickewei W, Schutzhoff G, Kuner EH. [Early functional treatment of fractures of the lower thoracic and lumbar vertebrae with a 3-point brace]. Unfallchirurg 1991 Jan;94(1):40-4. (Ger).

Schultz AB. The use of mathematical models for studies of scoliosis biomechanics. Spine 1991 Oct;16(10):1211-6.

Scoloveno MA, Yarcheski A, Mahon NE. Scoliosis treatment effects on selected variables among adolescents. West J Nurs Res 1990 Oct;12(5): 601-15; discussion 615-8.

Seltsa K. Of spines, braces and steel rods. Med J Aust 1992 Mar 2;156(5):354-5.

Sharma VK, Jain AK, Gupta RK, Tyagi AK, Sethi PK. Non-operative treatment of fractures of the humeral shaft: a comparative study. J Indian Med Assoc 1991 Jun;89(6):157-60.

Shepherd CC, Ruzicka SH. Tenodesis brace use by persons with spinal cord injuries. Am J Occup Ther 1991 Jan;45(1):81-3.

Shoppee K. Developmental dysplasia of the hip. Orthop Nurs 1992 Sep-Oct;11(5):30-6.

Sitler M, Ryan J, Hopkinson W, Wheeler J, Santomier J, Kolb R, Polley D. The efficacy of a prophylactic knee brace to reduce knee injuries in football. A prospective, randomized study at West Point. Am J Sports Med 1990 May-Jun;18(3): 310-5.

Slongo T, Kehrer B, Braga S, R:udeberg A. [Experiences with the early treatment of osteogenesis imperfecta]. Z Kinderchir 1989 Oct; 44(5):293-6. (Ger).

Snyder-Mackler L, Epler M. Effect of standard and Aircast tennis elbow bands on integrated electromyography of forearm extensor musculature proximal to the bands. Am J Sports Med 1989 Mar-Apr;17(2):278-81.

Solgaard S, Bunger C, Slund K. Displaced distal radius fractures. A comparative study of early results following external fixation, functional bracing in supination, or dorsal plaster immobilization. Arch Orthop Trauma Surg 1990; 109(1):34-8.

Sombolos K, Kapetanos G, Kalogeras KT, Christodoulou A, Chrousos GP, Symeonidis P. Effect on atrial natriuretic peptide by bracing in scoliosis. Boston brace removal studied in 10 cases. Acta Orthop Scand 1991 Aug;62(4):379-82.

Staheli LT. Managing hip dysplasia. Audio Dig Orthop [audiocassette] 1990 Nov;13(11):Side A [presentation 1, 17 min.]. Accompanied by: 1 guide.

Steadman AK, Netscher DT. A detachable thumb spica for a rheumatoid brace. J Hand Surg [Am] 1991 May;16(3):564-6.

Stearns ZR, Lacassie Y, MacEwen GD. Perthes-like disease and the tricho-rhino-phalangeal syndromes: the first black patient. Orthopedics 1990 Apr; 13(4):468-73.

Stein V, Horner K. [The abduction orthosis, a therapeutic variant in Perthes' disease]. Beitr Orthop Traumatol 1990 Apr;37(4):242-5. (Ger).

Stern EB. Wrist extensor orthoses: dexterity and grip strength across four styles. Am J Occup Ther 1991 Jan;45(1):42-9.

Stromqvist B, Johnsson R, Jonsson K, Sunden G. Early intensive treatment of clubfoot. 75 feet followed for 6-11 years. Acta Orthop Scand 1992 Apr;63(2):183-8.

Stuart PR, Brumby C, Smith SR. Comparative study of functional bracing and plaster cast treatment of stable lateral malleolar fractures. Injury 1989 Nov; 20(6):323-6.

Stuberg WA. Considerations related to weight-bearing programs in children with developmental disabilities. Phys Ther 1992 Jan;72(1):35-40.

Styf JR, Nakhostine M, Gershuni DH. Functional knee braces increase intramuscular pressures in the anterior compartment of the leg. Am J Sports Med 1992 Jan-Feb;20(1):46-9.

Szabo RM. Extra-articular fractures of the distal radius. Orthop Clin North Am 1993 Apr;24(2): 229-37.

Taylor A, McNamara A. Ambulation status of adults with myelomeningocoele. Z Kinderchir 1990 Dec; 45 Suppl 1:32-3.

Taylor TK, Cummine JL. Of spines, braces and steel rods [letter]. Med J Aust 1992 May 18;156(10): 742.

Tegner Y, Lorentzon R. Evaluation of knee braces in Swedish ice hockey players. Br J Sports Med 1991 Sep;25(3):159-61.

Teloken M. Current concepts review. Reduction of congenital dislocation of the hip [letter]. J Bone Joint Surg Am 1992 Dec;74(10):1579.

Theodorou SD. Conservative treatment of congenital dislocation of the hip in infants 1 to 9 months of age. Acta Orthop Belg 1990;56(1 Pt A):167-75.

Theodorou SD, Gerostathopoulos N. Congenital dislocation of the hip. Observations on the early diagnosis and results of treatment with an abduction brace in infants two to nine months of age in Greece. Clin Orthop 1989 Sep;(246):22-9.

Thomas SE, Mazur JM, Child ME, Supan TJ. Quantitative evaluation of AFO use with myelomeningocele children. Z Kinderchir 1989 Dec;44 Suppl 1:38-40.

Thovez G, Castelli PG, Ferrari C, Siclari A, Schneider L. [Halo vest in the treatment of fractures of the upper cervical spine. Fractures of the epistropheus. Minerva Med 1992 Dec;83(12 Suppl 1):83-7. (Ita).

Tomory I. [Idiopathic scoliosis in adults]. Orv Hetil 1990 Aug 19;131(33):1799-801. (Hun).

Tomory I. [Significance of early conservative treatment of idiopathic scoliosis in young children]. Magy Traumatol Orthop Helyreallito Sebesz 1991; 34(1):25-8. (Hun).

Torode IP. Of spines, braces and steel rods [letter]. Med J Aust 1992 Jul 20;157(2):141.

Toth L, Slechta J, Vlach O. [Personal experience with the Milwaukee orthosis in the treatment of idiopathic scoliosis]. Acta Chir Orthop Traumatol Cech 1989 Apr;56(2):122-8. (Cze).

Touzet P, Chaumien JP, Rigault P, Padovani JP. [Pavlik's harness in congenital hip dislocation before the first birthday]. Acta Orthop Belg 1990;56(1 Pt A):141-7. (Fre).

Traynelis VC, Gold M. Cervical spine injury in an air-bag-equipped vehicle. J Spinal Disord 1993 Feb;6(1):60-1.

Truong XT. Bracing for serratus anterior palsy [letter]. Arch Phys Med Rehabil 1993 Apr;74(4):447.

Tscherne H, Wippermann B. [Functional therapy in treatment of fractures and joint injuries]. Zentralbl Chir 1990;115(16):997-1005. (Ger).

Tscherne H, Wippermann BW. [Conservative treatment in fractures of the upper limb]. Chirurg 1990 Nov;61(11):752-60. (Ger).

Vailas JC, Pink M. Biomechanical effects of functional knee bracing. Practical implications. Sports Med 1993 Mar;15(3):210-8.

van der Hoeven H, van der Net J, Helders PJ, Keessen W. [Physiotherapy and orthopedic treatment of juvenile chronic arthritis]. Tijdschr Kindergeneeskd 1991 Oct;59(5):167-72. (Dut).

van Raay JJ, Logghe R, van der Werken C. [Treatment of isolated ulnar shaft fractures using Sarmiento's method]. Ned Tijdschr Geneeskd 1989 Mar 11;133(10):507-9. (Dut).

Vaucher D, Dutoit M, Anderegg A. [Early diagnosis and ambulatory treatment of congenital dislocation of the hip]. Rev Med Suisse Romande 1990 Mar; 110(3):265-70. (Fre).

Veldhuizen JW, Koene FM, Oostvogel HJ, von Thiel TP, Verstappen FT. The effects of a supportive knee brace on leg performance in healthy subjects. Int J Sports Med 1991 Dec;12(6):577-80.

von Gumppenberg S, Claudi B. [Conservative fracture treatment of the cervical spine with halo fixation]. Aktuel Traumatol 1989 Apr;19(2):57-60. (Ger).

von Gumppenberg S, Vieweg J, Claudi B, Harms J. [Primary management of fresh injuries of the thoracic and lumbar vertebrae]. Aktuel Traumatol 1991 Dec;21(6):265-73. (Ger).

Weisz I, Jefferson RJ, Carr AJ, Turner-Smith AR, McInerney A, Houghton GR. Back shape in brace treatment of idiopathic scoliosis. Clin Orthop 1989 Mar;(240):157-63.

White M, Hammer G. SDIO technology transfer: lightweight composite brace. In: Technology for the next decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 200-1.

Whitelaw GP, Wetzler MJ, Levy AS, Segal D, Bissonnette K. A pneumatic leg brace for the treatment of tibial stress fractures. Clin Orthop 1991 Sep;(270):301-5.

Willers U, Normelli H, Aaro S, Svensson O, Hedlund R. Long-term results of Boston brace treatment on vertebral rotation in idiopathic scoliosis. Spine 1993 Mar 15;18(4):432-5.

Willner S. [Scoliosis--a review]. Nord Med 1990;105(3):82-5. (Swe).

Willner SW. Test instrument for predicting the effect of rigid braces in cases with low back pain. Prosthet Orthot Int 1990 Apr;14(1):22-6.

Wojtys EM, Loubert PV, Samson SY, Viviano DM. Use of a knee-brace for control of tibial translation and rotation. A comparison, in cadavera, of available models. J Bone Joint Surg [Am] 1990 Oct;72(9):1323-9.

Wolter D, Reimann B. [Possibilities and limits of therapy of injuries of the cervical vertebrae with halo fixation]. Unfallchirurgie 1989 Apr;15(2): 83-94. (Ger).

Womter RB. The Milwaukee Brace - 1992. J Assoc Child Prosthet Orthot Clin 1992 Summer;27(1): 16-24.

Wong AM, Tang FT, Wu SH, Chen CM. Clinical trial of a low-temperature plastic anterior ankle foot orthosis. Am J Phys Med Rehabil 1992 Feb;71(1): 41-3.

Wynarsky GT, Schultz AB. Optimization of skeletal configuration: studies of scoliosis correction biomechanics. J Biomech 1991;24(8):721-32.

Wynarsky GT, Schultz AB. Trunk muscle activities in braced scoliosis patients. Spine 1989 Dec;14(12): 1283-6.

Ylikoski M, Peltonen J, Poussa M. Biological factors and predictability of bracing in adolescent idiopathic scoliosis. J Pediatr Orthop 1989 Nov-Dec;9(6):680-3.

Young R, Kersting R, Westermann K. [Sarmiento function fracture treatment of the tibia]. Unfallchirurg 1989 Aug;92(8):394-8. (Ger).

Zachazewski JE, Geissler G. When to prescribe a knee brace. Physician Sportsmed 1992 Nov;20(11): 91-6, 99.

Zagorski JB, Zych GA, Latta LL, Finnieston AR. Orthotic design and application for functional treatment of tibial shaft fractures. J Prosthet Orthot 1992 Apr;4(3):126-41.

Zwart S, Voorhoeve HW. [Functional treatment of Colles' fractures and the relationship between anatomical recovery and function (letter)]. Ned Tijdschr Geneeskd 1989 Jun 10;133(23):1189. (Dut).

Harnesses

Atar D, Lehman WB, Grant AD. Pavlik harness pathology. Isr J Med Sci 1991 Jun;27(6):325-30.

Atar D, Lehman WB, Tenenbaum Y, Grant AD. Pavlik harness versus Frejka splint in the treatment of developmental dysplasia of the hip: bicenter study. J Pediatr Orthop 1993 May-Jun;13(3):311-3.

Bull MJ, Stroup KB, Feller N. Information needs of parents of a child in a Pavlik harness [letter]. Orthop Nurs 1988 Sep-Oct;7(5):12.

Corbett D. Information needs of parents of a child in a Pavlik harness. Orthop Nurs 1988 Mar-Apr; 7(2):20-3.

Curry LC, Gibson LY. Congenital hip dislocation: the importance of early detection and comprehensive treatment. Nurse Pract 1992 May;17(5):49-55.

Dobner DL. A prosthetic harness adaptation. Arch Phys Med Rehabil 1990 May;71(6):436-8.

Harburn KL, Hill KM, Kramer JF, Noh S, Vandervoort AA, Matheson JE. An overhead harness and trolly system for balance and ambulation assessment and training. Arch Phys Med Rehabil 1993 Feb;74(2):220-3.

Harris IE, Dickens R, Menelaus MB. Use of the Pavlik harness for hip displacements. When to abandon treatment. Clin Orthop 1992 Aug;(281): 29-33.

Jones GT, Schoenecker PL, Dias LS. Developmental hip dysplasia potentiated by inappropriate use of the Pavlik harness. J Pediatr Orthop 1992 Nov-Dec; 12(6):722-6.

Lotem M. Use of the Pavlik harness in congenital dislocation of the hip [letter]. J Bone Joint Surg [Am] 1991 Mar;73(3):472.

McHale KA, Corbett D. Parental noncompliance with Pavlik harness treatment of infantile hip problems. J Pediatr Orthop 1989 Nov-Dec;9(6):649-52.

Mitani S, Oda K, Tanabe G. Prediction for prognosis from radiologic measurements of patients treated with the Pavlik harness for congenital dislocation of the hip. J Pediatr Orthop 1993 May-Jun;13(3): 303-10.

Pavlik A. The functional method of treatment using a harness with stirrups as the primary method of conservative therapy for infants with congenital dislocation of the hip. 1957 [classical article]. Clin Orthop 1992 Aug;(281):4-10.

Polanuer PA, Harcke HT, Bowen JR. Effective use of ultrasound in the management of congenital dislocation and/or dysplasia of the hip. Clin Orthop 1990 Mar;(252):176-81.

Rombouts JJ, Kaelin A. Inferior (obturator) dislocation of the hip in neonates. A complication of treatment by the Pavlik harness. J Bone Joint Surg [Br] 1992 Sep;74(5):708-10.

Speers AT, Speers M. Care of the infant in a Pavlik harness. Pediatr Nurs 1992 May-Jun;18(3):229-32, 252.

Suzuki S. Ultrasound and the Pavlik harness in CDH. J Bone Jt Surg Br 1993 May;75(3):483-7.

Suzuki S, Yamamuro T. Avascular necrosis in patients treated with the Pavlik harness for congenital dislocation of the hip. J Bone Jt Surg Am 1990 Jul;72(7):1048-55.

Touzet P, Chaumien JP, Rigault P, Padovani JP. [Pavlik's harness in congenital hip dislocation before the first birthday]. Acta Orthop Belg 1990; 56(1 Pt A):141-7. (Fre).

Tucci JJ, Kumar SJ, Guille JT, Rubbo ER. Late acetabular dysplasia following early successful Pavlik harness treatment of congenital dislocation of the hip. J Pediatr Orthop 1991 Jul-Aug;11(4): 502-5.

Viere RG, Birch JG, Herring JA, Roach JW, Johnston CE. Use of the Pavlik harness in congenital dislocation of the hip. An analysis of failures of treatment. J Bone Jt Surg Am 1990 Feb;72(2): 238-34.

Splints

Ader PB, Nadel E, Wingate L. A survey of postoperative elbow immobilization approaches. J Burn Care Rehabil 1992 May-Jun;13(3):365-70.

Aron M. The use and effectiveness of elbow splints in the Rett syndrome. Brain Dev 1990;12(1):162-3.

Ashall G, Foster A. The cage splint: an added protection for flexor tendon repair. J Hand Surg [Br] 1989 Feb;14(1):128.

Atar D, Lehman WB, Tenenbaum Y, Grant AD. Pavlik harness versus Frejka splint in the treatment of developmental dysplasia of the hip: bicenter study. J Pediatr Orthop 1993 May-Jun;13(3):311-3.

Barrett DS, Donell ST. Entrapment neuropathies: 1. Upper limb. Br J Hosp Med 1991 Aug;46(2):94-8.

Barth A. [Indications and technic of conservative fracture treatment with a plastic arm splint with velcro straps (brace)]. Zentralbl Chir 1990;115(4): 235-8. (Ger).

Beck-Foehn M. [Occupationally-induced carpal tunnel syndrome]. Nervenarzt 1992 Aug;63(8):467-72. (Ger).

Bensahel H, Dal Monte A, Hjelmstedt A, Bjerkreim I, Wientroub S, Matasovic T, Porat S, Bialik V. Congenital dislocation of the knee. J Pediatr Orthop 1989 Mar-Apr;9(2):174-7.

Bensahel H, Guillaume A, Czukonyi Z, Desgrippes Y. Results of physical therapy for idiopathic clubfoot: a long-term follow-up study. J Pediatr Orthop 1990 Mar-Apr;10(2):189-92.

Benzel EC, Larson SJ. Postoperative stabilization of the posttraumatic thoracic and lumbar spine: a review of concepts and orthotic techniques. J Spinal Disord 1989 Mar;2(1):47-51.

Benzel EC, Larson SJ, Kerk JJ, Millington PJ, Novak SM, Falkner RH, Wenninger WJ. The thermoplastic Minerva body jacket: a clinical comparison with other cervical spine splinting techniques. J Spinal Disord 1992 Sep;5(3):311-9.

Bernau A. [The Tubingen hip flexion splint in the treatment of hip dysplasia]. Z Orthop 1990 Jul-Aug;128(4):432-5. (Ger).

A better splint for the burned hand. Emerg Med 1989 Jun 30;21(12):66, 68.

Bhattacharya S, Bhatnagar SK, Chandra R. Postburn contracture of the neck--our experience with a new dynamic extension splint. Burns 1991 Feb;17(1): 65-7.

Bishop AT, Hench PK, Lacroix E, Millender LH, Opitz JL. Keeping the rheumatoid hand working. Patient Care 1991 Oct 30;25(17):74-8, 80, 85-6.

Blizzard P. Save our thumbs. Physiotherapy 1991; 77(8):573-4.

Bongi SM. A personalised splint for osteoarthritis. Nurs Times 1992 Feb 12-18;88(7):46-7.

Bora FW Jr, Culp RW, Osterman AL, Skirven T. A flexible wrist splint. J Hand Surg [Am] 1989 May; 14(3):574-5.

Borrelli AH. A modification of digital splinting to prevent neurovascular impairment. J Am Podiatr Med Assoc 1989 Jan;79(1):34-5.

Boyer JJ. Are tenodesis splints cost efficient? [letter]. Am J Occup Ther 1990 Sep;44(9):857-8.

Bradley ET. Sprain, splinter, splint. Conn Med 1991 Mar;55(3):175.

Breger-Lee DE, Buford WL Jr. Update in splinting materials and methods. Hand Clin 1991 Aug;7(3): 569-85.

Brentnall E, Murtagh J. Preparation of a volar arm plaster splint. Aust Fam Physician 1992 Aug;21(8): 1165.

Bresler MI. The tamara system: integrated control of mobility, communication, and environment. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 300-1.

Brooke MH, Fenichel GM, Griggs RC, Mendell JR, Moxley R, Florence J, King WM, Pandya S, Robison J, Schierbecker J, et al. Duchenne muscular dystrophy: patterns of clinical progression and effects of supportive therapy. Neurology 1989 Apr;39(4):475-81.

Browne EZ Jr, Ribik CA. Early dynamic splinting for extensor tendon injuries. J Hand Surg [Am] 1989 Jan;14(1):72-6.

Burge PD, Brown M. Elastic band mobilisation after flexor tendon repair; splint design and risk of flexion contracture. J Hand Surg [Br] 1990 Nov; 15(4):443-8.

Carstens C, Schmidt E, Fromm B, Schiltenwolf M. [Results of surgical therapy of knee flexion contractures in patients with myelomeningocele]. Z Orthop Ihre Grenzgeb 1992 May-Jun;130(3): 207-12. (Ger).

Chandler DR, Nemejc C, Adkins RH, Waters RL. Emergency cervical-spine immobilization. Ann Emerg Med 1992 Oct;21(10):1185-8.

Cheng JC. Dynamic pressure therapy for scars in the finger web spaces. J Hand Surg [Am] 1991 Jan; 16(1):176-7.

Chow JA, Dovelle S, Thomes LJ, Ho PK, Saldana J. A comparison of results of extensor tendon repair followed by early controlled mobilisation versus static immobilisation. J Hand Surg [Br] 1989 Feb; 14(1):18-20.

Chow SP, Stephens MM, Ngai WK, So YC, Pun WK, Chu M, Crosby C. A splint for controlled active motion after flexor tendon repair. Design, mechanical testing, and preliminary clinical results. J Hand Surg [Am] 1990 Jul;15(4):645-51.

Cruickshank DA, O'Neill DL. Upper extremity inhibitive casting in a boy with spastic quadriplegia. Am J Occup Ther 1990 Jun;44(6):552-5.

Donatto KC, Rightor N, D'Ambrosia R. Custom-molded orthotics in postoperative hallux valgus immobilization. Orthopedics 1992 Apr;15(4): 449-51.

Dovelle S, Heeter PK. The Washington Regimen: rehabilitation of the hand following flexor tendon injuries. Phys Ther 1989 Dec;69(12):1034-40.

Duncan RM. Basic principles of splinting the hand. Phys Ther 1989 Dec;69(12):1104-16.

Dunn PM. Complications of splintage in congenital dislocation of the hip [letter]. Arch Dis Child 1992 Apr;67(4):568.

Egan JM. An aid for the management of shoulder pain in hemiplegia. Br J Occup Ther 1990 Sep;53(9):362-4.

Falconer J. Hand splinting in rheumatoid arthritis: a perspective on current knowledge and directions for research. Arthritis Care Res 1991 Jun;4(2):81-6.

Feinberg J. Effect of the arthritis health professional on compliance with use of resting hand splints by patients with rheumatoid arthritis. Arthritis Care Res 1992 Mar;5(1):17-23.

Feldman PA. Upper extremity casting and splinting. In: Glenn MB, Whyte J, eds. Practical management of spasticity in children and adults. Philadelphia: Lea & Febiger; 1990. p. 149-66.

Foucher G, Greant P, Ehrler S, Buch N, Braun FM, Michon J. [Role of orthosis in the treatment of stiffness of the hand]. Chirurgie 1989;115(2): 100-5. (Fre).

Gardiner HM, Duncan AW. Radiological assessment of the effects of splinting on early hip development: results from a randomised controlled trial of abduction splinting vs sonographic surveillance. Pediatr Radiol 1992;22(3):159-62.

Gardiner HM, Dunn PM. Controlled trial of immediate splinting versus ultrasonographic surveillance in congenitally dislocatable hips. Lancet 1990 Dec 22-29;336(8730):1553-6.

Gerbino PG 2d, Saldana MJ, Westerbeck P, Schacherer TG. Complications experienced in the rehabilitation of zone I flexor tendon injuries with dynamic traction splinting. J Hand Surg [Am] 1991 Jul;16(4):680-6.

Goodman G, Bazyk S. The effects of a short thumb opponens splint on hand function in cerebral palsy: a single-subject study. Am J Occup Ther 1991 Aug;45(8):726-31.

Hand splinting for arthritis health professionals [audiocassette]. Atlanta: Arthritis Health Professions Association; 1988. 1 audiocassette: Sides A & B; 1 7/8 ips. Recorded at the concurrent session KK, May 23-28, 1988, Houston.

Heinrich SD, Sharps CH. Lower extremity torsional deformities in children: a prospective comparison of two treatment modalities. Orthopedics 1991 Jun; 14(6):655-9.

Herring JA. Conservative treatment of congenital dislocation of the hip in the newborn and infant. Clin Orthop 1992 Aug;(281):41-7.

Hinderaker T, Rygh M, Uden A. The von Rosen splint compared with the Frejka pillow. A study of 408 neonatally unstable hips. Acta Orthop Scand 1992 Aug;63(4):389-92.

Horii E, Lin GT, Cooney WP, Linscheid RL, An KN. Comparative flexor tendon excursion after passive mobilization: an in vitro study. J Hand Surg [Am] 1992 May;17(3):559-66.

Howell JW. Management of the acutely burned hand for the nonspecialized clinician. Phys Ther 1989 Dec;69(12):1077-90.

Hung LK, Chan A, Chang J, Tsang A, Leung PC. Early controlled active mobilization with dynamic splintage for treatment of extensor tendon injuries. J Hand Surg [Am] 1990 Mar;15(2):251-7.

Iwasawa M, Matsuo K, Hirose T, Sakaguchi Y. Improvement in the surgical results of treatment of duplicated thumb by preoperative splinting. J Hand Surg [Am] 1989 Nov;14(6):941-5.

Johnstone M. Current advances in the use of pressure splints in the management of adult hemiplegia. Physiother 1989 Jul;75(7):381-4.

Kamil NI, Correia AM. A dynamic elbow flexion splint for an infant with arthrogryposis. Am J Occup Ther 1990 May;44(5):460-1.

Kaplan SJ, Glickel SZ, Eaton RG. Predictive factors in the non-surgical treatment of carpal tunnel syndrome. J Hand Surg [Br] 1990 Feb;15(1): 106-8.

Kaufman T, Newman RA, Weinberg A, Wexler MR. The Kerlix tongue-depressor splint for skin-grafted areas in burned children. J Burn Care Rehabil 1989 Sep-Oct;10(5):462-3.

Kealey GP, Chang P, Laubenthal KN, Jensen KL. Physical therapy: a vital aspect of burn care. Crit Rev Phys Rehabil Med 1991;2(4):227-42.

Keessen W, van der Eijken JW, Diepstraten AF. [The treatment of congenital clubfoot in The Netherlands; results of a survey among orthopedic surgeons]. Ned Tijdschr Geneeskd 1992 Aug 29;136(35):1710-2. (Dut).

Kohn D, Wirth CJ, John H. The function of the Thomas splint. An experimental study. Arch Orthop Trauma Surg 1991;111(1):26-8.

Kohn D, Wirth CJ, John H, Busche T. [Stress relief of the hip joint by the Thomas splint]. Z Orthop 1991 May-Jun;129(3):225-9. (Ger).

Koop SE, Gage JR. [Treatment of deformities of the locomotor system in hemiplegia]. Orthopade 1992 Sep;21(5):293-300. (Ger).

Kortman B. Patient recall and understanding of instructions concerning splints following a zone 2 flexor tendon repair. Aust Occup Ther J 1992 Jun; 39(2):5-11.

Kraft S, Serex AM, Cavin B, Isoz J. [Lesions of zone II flexor tendons: splints and rehabilitation]. Helv Chir Acta 1992 Jan;58(4):451-3. (Fre).

Krajnik SR, Bridle MJ. Hand splinting in quadriplegia: current practice. Am J Occup Ther 1992 Feb;46(2):149-56.

Kramer J, Schleberger R, Steffen R. Closed reduction by two-phase skin traction and functional splinting in mitigated abduction for treatment of congenital dislocation of the hip. Clin Orthop 1990 Sep;(258): 27-32.

Krauspe R. [Splint treatment of Perthes disease]. Z Orthop 1990 Jul-Aug;128(4):411-4. (Ger).

Kruger VL, Kraft GH, Deitz JC, Ameis A, Polissar L. Carpal tunnel syndrome: objective measures and splint use. Arch Phys Med Rehabil 1991 Jun;72(7): 517-20.

Kruger VL, Veer L, Nicholls LA. A modified ulnar gutter wrist splint for the treatment of carpal tunnel syndrome. Can J Occup Ther 1992 Aug;59(3): 159-62.

Kubas ES. Use of splints to develop hand skills in a woman with Rett syndrome. Am J Occup Ther 1992 Apr;46(4):364-8.

Kuliev AM, Kuliev RA. [A splint for the treatment of congenital hip dislocation]. Ortop Travmatol Protez 1990 May;(5):50-1. (Rus).

Kurer MH, Regan MW. Completely displaced supracondylar fracture of the humerus in children. A review of 1708 comparable cases. Clin Orthop 1990 Jul;(256):205-14.

Langkamer VG, Clarke NM, Witherow P. Complications of splintage in congenital dislocation of the hip. Arch Dis Child 1991 Nov;66(11): 1322-5.

Langlois S, MacKinnon JR, Pederson L. Hand splints and cerebral spasticity: a review of the literature. Can J Occup Ther 1989 Jun;56(3):113-9.

Langlois S, Pederson L, MacKinnon JR. The effects of splinting on the spastic hemiplegic hand: report of a feasibility study. Can J Occup Ther 1991 Apr; 58(1):17-25.

Laporte JM, Berrettoni BA, Seitz WH Jr, Winsberg D, Froimson AI. The figure-of-eight splint for proximal interphalangeal joint volar plate injuries. Orthop Rev 1992 Apr;21(4):457-62.

LaStayo P, Flowers K. Correction: torque and the quantification of joint stiffness [letter]. J Burn Care Rehabil 1992 Jan-Feb;13(1):118-9.

Leman CJ. Splints and accessories following burn reconstruction. Clin Plast Surg 1992 Jul;19(3): 721-31.

Ley CC, Villar RN, Ronen A. Splinting for CDH: temporary splinting for the neonate. Prosthet Orthot Int 1990 Aug;14(2):85-6.

Lieberson S, Mendes DG. Congenital hallux valgus. Orthopedics 1991 May;14(5):588-94.

Luster SH, Patterson PE, Cioffi WG, Mason AD Jr, McManus WF, Pruitt BA Jr. An evaluation device for quantifying joint stiffness in the burned hand. J Burn Care Rehabil 1990 Jul-Aug;11(4):312-7.

Maitra A, Sen B. The boxers fracture: a simple and effective method of external splintage [letter]. Arch Emerg Med 1990 Mar;7(1):52-4.

Maitra A, Sen B. Displaced boxers' fractures: a simple and effective method of external splintage. Br J Clin Pract 1990 Sep;44(9):348-51.

Malcus Johnson P, Sandkvist G, Eberhardt K, Liang B, Herrlin K. The usefulness of nocturnal resting splints in the treatment of ulnar deviation of the rheumatoid hand. Clin Rheumatol 1992 Mar;11(1): 72-5.

Mandel S. Overuse syndrome in musicians. When playing an instrument hurts. Postgrad Med 1990 Aug;88(2):111-4.

Marsh JL, Nepola JV. External fixation for open tibia fractures. A management strategy. Orthop Rev 1990 Mar;19(3):273-80.

May EJ, Silfverskiold KL, Sollerman CJ. Controlled mobilization after flexor tendon repair in zone II: a prospective comparison of three methods. J Hand Surg [Am] 1992 Sep;17(5):942-52.

McClure PW, Flowers KR. Treatment of limited shoulder motion using an elevation splint. Phys Ther 1992 Jan;72(1):57-62.

Mennen U. A simple, comfortable, conforming, and adaptable splint. J Hand Surg [Am] 1989 May; 14(3):576-8.

Moeller M. Splints versus casts [letter]. Postgrad Med 1990 Feb 15;87(3):34.

Molnar GE. Rehabilitation in cerebral palsy. West J Med 1991 May;154(5):569-72.

Muftakhidenov SB, Eleusizov AB, Briske VA. [A splint for immobilization of the arm]. Ortop Travmatol Protez 1989 Nov;(11):73-4. (Rus).

Murphy MS. An adjustable splint for forearm supination. Am J Occup Ther 1990 Oct;44(10): 936-9.

Naganuma GM, Billingsley FF. The use of hand splints with the neurologically involved child. Crit Rev Phys Rehabil Med 1990;2(2):87-100.

Newport ML, Blair WF, Steyers CM Jr. Long-term results of extensor tendon repair. J Hand Surg [Am] 1990 Nov;15(6):961-6.

Newport ML, Shukla A. Electrophysiologic basis of dynamic extensor splinting. J Hand Surg [Am] 1992 Mar;17(2):272-7.

Ofiaeli RO. Complications of methods of fracture treatment used by traditional healers: a report of three cases necessitating amputation at Ihiala, Nigeria. Trop Doct 1991 Oct;21(4):182-3.

Osterhout BM. Postoperative splinting of the pediatric upper extremity. Hand Clin 1990 Nov;6(4):693-5.

Ouellette EA. The rheumatoid hand: orthotics as preventative. Semin Arthritis Rheum 1991 Oct; 21(2):65-72.

Ovechkin VS, Vasil'ev SF, Dorogan' SD. [Prevention and treatment of persistent contractures of the hand after injuries of the ulnar and median nerves]. Vestn Khir 1990 Feb;144(2):112-3. (Rus).

Parry CB. Orthotics and rehabilitation after extensive upper limb paralysis. Hand Clin 1989 Feb;5(1): 97-105.

Patel MR, Bassini L. Trigger fingers and thumb: when to splint, inject, or operate. J Hand Surg [Am] 1992 Jan;17(1):110-3.

Patel MR, Pearlman HS, Bassini L, Ravich S. Fractures of the sesamoid bones of the thumb. J Hand Surg [Am] 1990 Sep;15(5):776-81.

Pediani R. Supporting cast. Br J Theatre Nurs 1992 May;2(2):20-1.

Percival NJ, Sykes PJ. Flexor pollicis longus tendon repair: a comparison between dynamic and static splintage. J Hand Surg [Br] 1989 Nov;14(4):412-5.

Philips CA. Management of the patient with rheumatoid arthritis. The role of the hand therapist. Hand Clin 1989 May;5(2):291-309.

Philips CA. Rehabilitation of the patient with rheumatoid hand involvement. Phys Ther 1989 Dec;69(12):1091-8.

Phillips WE, Audet M. Use of serial casting in the management of knee joint contractures in an adolescent with cerebral palsy. Phys Ther 1990 Aug;70(8):521-3.

Poole JL, Whitney SL, Hangeland N, Baker C. The effectiveness of inflatable pressure splints on motor function in stroke patients. Occup Ther J Res 1990 Nov-Dec;10(6):360-6.

Puddicombe BE, Nardone MA. Rehabilitation of the burned hand. Hand Clin 1990 May;6(2):281-92.

Redheffer GM, Bailey M. Assessing and splinting fractures. Nursing 1989 Jun;19(6):51-9.

Reid DT. A survey of Canadian occupational therapists' use of hand splints for children with neuromuscular dysfunction. Can J Occup Ther 1992 Apr;59(1):16-27.

Reinherz RP. Varus-rotated fifth digits are frequently observed during podopediatric examination [editorial]. J Foot Surg 1991 Sep-Oct;30(5): 429-30.

Reith HB, Mackowski M, Kozianka J, Kozuschek W. [Early functional treatment of rupture of the fibular ligament with a personally developed ankle splint]. Zentralbl Chir 1989;114(21):1396-400. (Ger).

Rejholec M, Vosatka J, Sadil K. [Conservative containment in the treatment of Legg-Calvé-Perthes disease]. Acta Chir Orthop Traumatol Cech 1990 Apr;57(2):178-84. (Cze).

Rider BA. Carpal tunnel syndrome rehabilitation. Crit Rev Phys Rehabil Med 1991;3(1):27-57.

Ridge J. Three simple surgical aids. Injury 1991 Nov;22(6):496-7.

Riley PM. Splints. BMJ 1990 Apr 21;300(6731): 1066-7.

Roberts L, Alvarado MI, McElroy K, Rutan RL, Robson MC, Herndon DN. Analysis of materials for splinting of the thermally injured patient. J Burn Care Rehabil 1991 May-Jun;12(3):268-9.

Robichaud JA, Agostinucci J, Vander Linden DW. Effect of air-splint application on soleus muscle motoneuron reflex excitability in nondisabled subjects and subjects with cerebrovascular accidents. Phys Ther 1992 Mar;72(3):176-83; discussion 183-5.

Rosen PB, McSwain NE Jr, Arata M, Stahl S, Mercer D. Comparison of two new immobilization collars. Ann Emerg Med 1992 Oct;21(10): 1189-95.

Salafia A. Tension equalizer for claw-hand correction. Indian J Lepr 1992 Apr-Jun;64(2):209-10.

Saldana MJ, Choban S, Westerbeck P, Schacherer TG. Results of acute zone III extensor tendon injuries treated with dynamic extension splinting. J Hand Surg [Am] 1991 Nov;16(6):1145-50.

Saldana MJ, Chow JA, Gerbino P 2d, Westerbeck P, Schacherer TG. Further experience in rehabilitation of zone II flexor tendon repair with dynamic traction splinting. Plast Reconstr Surg 1991 Mar;87(3):543-6.

Saleh M, Marshall PD, Senior R, MacFarlane A. The Sheffield splint for controlled early mobilisation after rupture of the calcaneal tendon. A prospective, randomised comparison with plaster treatment. J Bone Joint Surg [Br] 1992 Mar;74(2):206-9.

Sanchez Zaplana I, Zaragoza Arnau M. [The Braun and Braun-Bohler splints]. Rev Enferm 1990 Mar;13(139):69-71, 73-4. (Spa).

Saunders SR. Physical therapy management of hand fractures. Phys Ther 1989 Dec;69(12):1065-76.

Savvidis E, Loer F. [A treatment principle with questionable effectiveness in Perthes disease]. Z Orthop Ihre Grenzgeb 1992 Mar-Apr;130(2): 120-4. (Ger).

Scherling E, Johnson H. A tone-reducing wrist--hand orthosis. Am J Occup Ther 1989 Sep;43(9): 609-11.

Schnebly WA, Ward RS, Warden GD, Saffle JR. A nonsplinting approach to the care of the thermally injured patient. J Burn Care Rehabil 1989 May-Jun;10(3):263-6.

Schneider E, Niethard FU, Lukoschek M. [Congenital hip dysplasia]. Dtsch Krankenpflegez 1990 Nov; 43(11):812-6. (Ger).

Schwanholt C, Daugherty MB, Gaboury T, Warden GD. Splinting the pediatric palmar burn. J Burn Care Rehabil 1992 Jul-Aug;13(4):460-4.

Seligman D, Burack E. A customized ankle foot positioning support. Can J Occup Ther 1989 Apr; 56(2):80-2.

Sennik VT. [Improvement of Vinogradov's abduction splint in the treatment of fractures of the humerus]. Ortop Travmatol Protez 1991 Aug;(8):53-4. (Rus).

Sennik VT, Mizak ST, Sukachev BA. [A modification of Beler's splint for the skeletal traction treatment of diaphyseal fractures of the leg bones]. Voen Med Zh 1989 Jul;(7):61. (Rus).

Sessa S, Dubousset J. [Cotrel-Dubousset instrumentation in idiopathic scoliosis. Angular results in 70 cases]. Rev Chir Orthop 1990;76(2): 112-7. (Fre).

Shah A, Saluja K. Rehabilitation in Hansen's disease. Int Disabil Stud 1991 Oct-Dec;13(4):125-33.

Shantharam SS. Tips of the trade #41. Modified coaptation splint for humeral shaft fractures. Orthop Rev 1991 Nov;20(11):1033, 1039.

Sharpe PA. Comparative effects of bilateral hand splints and an elbow orthosis on stereotypic hand movements and toy play in two children with Rett syndrome. Am J Occup Ther 1992 Feb;46(2): 134-40.

Sharpe PA, Ottenbacher KJ. Use of an elbow restraint to improve finger-feeding skills in a child with Rett syndrome. Am J Occup Ther 1990 Apr;44(4): 328-32.

Sherepo KM, Povarov LA. [Splint for immobilization of patients with spinal injuries during transportation]. Ortop Travmatol Protez 1991 Nov; (11):42-3. (Rus).

Siegert JJ, Cooney WP, Dobyns JH. Management of simple camptodactyly. J Hand Surg [Br] 1990 May;15(2):181-9.

Silfverskiold JP. Splinting tips. Postgrad Med 1989 Nov 1;86(6):185-8.

Smrcka V, Koprivova M. Rehabilitation in plastic surgery. Splinting and positioning of flexor tendons of the hand. Acta Chir Plast 1990;32(1):16-27.

Sollerman C, Abrahamsson SO, Lundborg G, Adalbert K. Functional splinting versus plaster cast for ruptures of the ulnar collateral ligament of the thumb. A prospective randomized study of 63 cases. Acta Orthop Scand 1991 Dec;62(6):524-6.

Staheli LT. Managing hip dysplasia. Audio Dig Orthop [audiocassette] 1990 Nov;13(11):Side A [presentation 1, 17 min.]. Accompanied by: 1 guide.

Staheli LT. Management of congenital hip dysplasia. Pediatr Ann 1989 Jan;18(1):24, 26-7, 29-32.

Steffen R, Schleberger R, Fett H. [Ultrasound control of the repositioning of hip dislocation in a child in the unstable phase of splint retention (Hanausek position)]. Z Orthop 1990 Jan-Feb;128(1):83-9. (Ger).

Stephens MM. Congenital talipes equinovarus [editorial]. Ir Med J 1990 Jun;83(2):48-9.

Stewart KM. Review and comparison of current trends in the postoperative management of tendon repair. Hand Clin 1991 Aug;7(3):447-60.

Stromqvist B, Sunden G. CDH diagnosed at 2 to 12 months of age--treatment and results. J Pediatr Orthop 1989 Mar-Apr;9(2):208-12.

Sunde D, Pearl R. A better sky hook: for hand elevation. Ann Plast Surg 1990 Feb;24(2):189-90.

Swezey RL. Rheumatoid arthritis: the role of the kinder and gentler therapies. J Rheumatol Suppl 1990 Nov;25:8-13.

Takami M, Fukui K, Saitou S, Sugiyama I, Terayama K. Application of a shape memory alloy to hand splinting. Prosthet Orthot Int 1992 Apr;16(1): 57-63.

Theodorou SD. Conservative treatment of congenital dislocation of the hip in infants 1 to 9 months of age. Acta Orthop Belg 1990;56(1 Pt A):167-75.

Tscherne H, Wippermann B. [Functional therapy in treatment of fractures and joint injuries]. Zentralbl Chir 1990;115(16):997-1005. (Ger).

Tubiana R. Carpal tunnel syndrome: some views on its management. Ann Chir Main Memb Super 1990;9(5):325-30.

Tuten H, Miedaner J. Effect of hand splints on stereotypic hand behavior of girls with Rett syndrome: a replication study. Phys Ther 1989 Dec;69(12):1099-103.

Tylman D, Siwek W. Long-term results of functional treatment in intraarticular knee fractures and multifragment fractures of the shaft of femurs. Clin Orthop 1991 Nov;(272):114-21.

Vaccaro AR, Kupcha PC, Salvo JP. Accurate reduction and splinting of the common boxer's fracture. Orthop Rev 1990 Nov;19(11):994-6.

Valembois B, Moutet F, Hoel G. [Shearing splints]. Ann Chir Main 1989;8(2):176-8. (Fre).

van der Hoeven H, van der Net J, Helders PJ, Keessen W. [Physiotherapy and orthopedic treatment of juvenile chronic arthritis]. Tijdschr Kindergeneeskd 1991 Oct;59(5):167-72. (Dut).

van Straten O. A dynamic mouth splint for the patient with facial burns. J Burn Care Rehabil 1991 Mar-Apr;12(2):174-6.

van Straten O, Shemesh Y, Rosenberg L. Modern static splinting for an age-old problem--burns. J Burn Care Rehabil 1991 Mar-Apr;12(2):172-4.

van-Straten O, Atar D, Ben-Yakar Y. Rehabilitation of the hand after an explosion injury. Am J Occup Ther 1991 Oct;45(10):937-40.

Volkov VS, Volkova EV. [Modification of the Bohler splint]. Vestn Khir 1990 Apr;144(4):116. (Rus).

Wadsworth TG. Colles' fracture. BMJ 1990 Jul 28; 301(6745):192-4.

Walker SJ, Bullen P, Sells RA. A new splint for use in axillary surgery. Br J Plast Surg 1989 Jan;42(1): 114-5.

Wallen M, O'Flaherty S. The use of the Soft Splint in the management of spasticity of the upper limb. Aust Occup Ther J 1991;38(1):227-31.

Wapner KL, Sharkey PF. The use of night splints for treatment of recalcitrant plantar fasciitis. Foot Ankle 1991 Dec;12(3):135-7.

Ward RS. The rehabilitation of burn patients. Crit Rev Phys Rehabil Med 1991;2(3):121-38.

Ward RS, Schnebly WA, Kravitz M, Warden GD, Saffle JR. Have you tried the sandwich splint? A method of preventing hand deformities in children. J Burn Care Rehabil 1989 Jan-Feb;10(1):83-5.

Wenberg SJ. The term restraints is archaic [letter]. Am J Occup Ther 1991 Jan;45(1):86.

Werdmann, MJ. Traction splinting. Emergency 1992 Jul;24(7):51-3;

Werntz JR, Chesher SP, Breidenbach WC, Kleinert HE, Bissonnette MA. A new dynamic splint for postoperative treatment of flexor tendon injury. J Hand Surg [Am] 1989 May;14(3):559-66.

Whalen JL, Bishop AT, Linscheid RL. Nonoperative treatment of acute hamate hook fractures. J Hand Surg [Am] 1992 May;17(3):507-11.

Witczak JW, Masear VR, Meyer RD. Triggering of the thumb with de Quervain's stenosing tendovaginitis. J Hand Surg [Am] 1990 Mar;15(2): 265-8.

Witt J, Pess G, Gelberman RH. Treatment of de Quervain tenosynovitis. A prospective study of the results of injection of steroids and immobilization in a splint. J Bone Joint Surg [Am] 1991 Feb;73(2):219-22.

Wright MP, Taddonio TE, Prasad JK, Thomson PD. The microbiology and cleaning of thermoplastic splints in burn care. J Burn Care Rehabil 1989 Jan-Feb;10(1):79-83.

Wu SH. A belly gutter splint for proximal interphalangeal joint flexion contracture. Am J Occup Ther 1991 Sep;45(9):839-43.

Wytch R, Ashcroft GP, Ledingham WM, Wardlaw D, Ritchie IK. Modern splinting bandages. J Bone Joint Surg [Br] 1991 Jan;73(1):88-91.

Yamamoto H, Furuya K. Treatment of congenital club foot with a modified Denis Browne splint. J Bone Joint Surg [Br] 1990 May;72(3):460-3.

Yrjonen T. Prognosis in Perthes disease after noncontainment treatment. 106 hips followed for 28-47 years. Acta Orthop Scand 1992 Oct;63(5): 523-6.

Zeegers AV, Van Raay JJ, van der Werken C. Ankle fractures treated with a stabilizing shoe. Acta Orthop Scand 1989 Oct;60(5):597-9.

Zwipp H, Schievink B. Primary orthotic treatment of ruptured ankle ligaments: a recommended procedure. Prosthet Orthot Int 1992 Apr;16(1): 49-56.

Zwipp H, Thermann H, Sudkamp N, Tscherne H, Milbradt H, Reimer P, Heintz P. [An innovative concept for primary functional treatment of Achilles tendon rupture]. Sportverletz Sportschaden 1990 Mar;4(1):29-35. (Ger).

Shoes

Alexander IJ, Campbell KR. Dynamic assessment of foot mechanics as an adjunct to orthotic prescription. In: Donatelli R, Wolf SL, eds. Biomechanics of the foot and ankle. Philadelphia: F.A. Davis; 1990. p. 148-52. (Contemporary perspectives in rehabilitation; vol. 3).

Anderson JC, Sockler JM. Effects of orthoses on selected physiologic parameters in cycling. J Am Podiatr Med Assoc 1990 Mar;80(3):161-6.

Anthony RJ. The manufacture and use of the functional foot orthosis. New York: Karger; 1991. 219 p.

Antia NH. Plastic footwear for leprosy. Lepr Rev 1990 Mar;61(1):73-8.

Baitch SP, Blake RL, Fineagan PL, Senatore J. Biomechanical analysis of running with 25 degrees inverted orthotic devices. J Am Podiatr Med Assoc 1991 Dec;81(12):647-52.

Baker BE. Prevention of ligament injuries to the knee. Exerc Sport Sci Rev 1990;18:291-305.

Bao HP. Automated orthopedic shoe last production. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 151-2.

Bartolomei FJ. Tumefactive amyloidosis: a plantar pedal presentation. Cutis 1990 Sep;46(3):255-9.

Baycroft CM. Foot orthotics and musculoskeletal function. J Man Med 1990;5(1):22-4.

Berenter R, Morris J, Yee B. Bilateral congenital absence of the fibula. J Am Podiatr Med Assoc 1990 Jun;80(6):325-8.

Bergmann JN. History and mechanical control of heel spur pain. Clin Podiatr Med Surg 1990 Apr;7(2): 243-59.

Bierling-Sorensen F, Ryde H, Bojsen-Moller F, Lyquist E. Shock absorbing material on the shoes of long leg braces for paraplegic walking. Prosthet Orthot Int 1990 Apr;14(1):27-32.

Birke JA, Novick A, Graham SL, Coleman WC, Brasseaux DM. Methods of treating plantar ulcers. Phys Ther 1991 Feb;71(2):116-22.

Blanco JS, Herring JA. Congenital Chopart amputation. A functional assessment. Clin Orthop 1990 Jul;(256):14-21.

Bordelon RL. Orthotics, shoes, and braces. Orthop Clin North Am 1989 Oct;20(4):751-7.

Brantingham JW, Snyder WR, Michaud T. Morton's neuroma. J Manip Physiol Ther 1991;14(5): 317-22.

Chantelau E, Kushner T, Spraul M. How effective is cushioned therapeutic footwear in protecting diabetic feet? A clinical study. Diabetic Med 1990 May;7(4):355-9.

Cohen J, Cowell HR. Corrective shoes [editorial]. J Bone Joint Surg [Am] 1989 Jul;71(6):799.

Condie DN, Stills ML. Partial-foot amputations: prosthetic and orthotic management. In: Bowker JH, Michael JW, eds. Atlas of limb prosthetics: surgical, prosthetic, and rehabilitation principles. St. Louis: Mosby Year Book; 1992. p. 277-91.

Corrective shoes and inserts as treatment for flexible flatfoot in infants and children [letter]. J Bone Joint Surg Am 1989 Jul;71(6):953-4.

Corrective shoes and inserts as treatment for flexible flatfoot in infants and children [letter]. J Bone Joint Surg [Am] 1990 Mar;72(3):470-3.

de Vries J. Evaluation of lower leg orthosis use following cerebro-vascular accident. Int J Rehabil Res 1991;14(3):239-43.

de Vries J. [Temporary shoes in foot injuries]. Ned Tijdschr Geneeskd 1991 Jun 15;135(24):1073-6. (Dut).

Derbyshire B, Platts RG. A shapeable foot-pressure measuring device. J Biomed Eng 1989 May;11(3): 258-64.

Donatelli R, Wooden M. Biomechanical orthotics. In: Donatelli R, Wolf SL, eds. Biomechanics of the foot and ankle. Philadelphia: F.A. Davis; 1990. p. 193-216. (Comprehensive perspectives in rehabilitation; vol. 3).

Donn JM, Porter D, Roberts VC. The effect of footwear mass on the gait patterns of unilateral below-knee amputees. Prosthet Orthot Int 1989 Dec;13(3):140-4.

Engsberg JR, Allinger TL, Harder JA. Standing pressure distribution for normal and below-knee amputee children. Prosthet Orthot Int 1989 Dec; 13(3):152-5.

Fisher LR, McLellan DL. Questionnaire assessment of patient satisfaction with lower limb orthoses from a district hospital. Prosthet Orthot Int 1989 Apr; 13(1):29-35.

Gould N, Moreland M, Alvarez R, Trevino S, Fenwick J. Development of the child's arch. Foot Ankle 1989 Apr;9(5):241-5.

Gross ML, Davlin LB, Evanski PM. Effectiveness of orthotic shoe inserts in the long-distance runner. Am J Sports Med 1991 Jul-Aug;19(4):409-12.

Gross ML, Napoli RC. Treatment of lower extremity injuries with orthotic shoe inserts. An overview. Sports Med 1993 Jan;15(1):66-70.

Guin P, Hudson A, Gallo J. The efficacy of six heel pressure reducing devices. Decubitus 1991 Aug; 4(3):15-6, 18, 20 passim.

Herold DC, Palmer RG. Questionnaire study of the use of surgical shoes prescribed in a rheumatology outpatient clinic. J Rheumatol 1992 Oct;19(10): 1542-4.

Hesse S, Platz T, Mauritz KH. [Indications for optimal use of orthoses in the treatment of hemiparetic patients]. Biomed Tech (Berlin) 1990;35 Suppl 3:52-3. (Ger).

Hintermann B. [Shoe supports and corrective shoes in performance athletes--a 3-year study in young cross-country skiers]. Schweiz Rundsch Med Prax 1992 Mar 24;81(13):389-94. (Ger).

Hogan-Budris J. Choosing foot materials for the elderly. Top Geriatr Rehabil 1992 Mar;7(3):49-61.

Holmes GB Jr, Timmerman L. A quantitative assessment of the effect of metatarsal pads on plantar pressures. Foot Ankle 1990 Dec;11(3): 141-5.

Ikeda K. Conservative treatment of idiopathic clubfoot. J Pediatr Orthop 1992 Mar-Apr;12(2): 217-23.

Irvin RE. Reduction of lumbar scoliosis by use of a heel lift to level the sacral base. J Am Osteopath Assoc 1991 Jan;91(1):34, 37-44.

Joganich TG. Influence of in-shoe orthotics on lower extremity function in cycling [dissertation on microfiche]. Tempe (AZ): Arizona State University; 1991. 2 microfiche.

Kent HO. Vannini-Rizzoli stabilizing orthosis (boot): preliminary report on a new ambulatory aid for spinal cord injury. Arch Phys Med Rehabil 1992 Mar;73(3):302-7.

Kilmartin TE, Wallace WA, Hill TW. Orthotic effect on metatarsophalangeal joint extension. A preliminary study. J Am Podiatr Med Assoc 1991 Aug;81(8):414-7.

Kirby KA. The medial heel skive technique. Improving pronation control in foot orthoses. J Am Podiatr Med Assoc 1992 Apr;82(4):177-88.

Kudriavtsev VA, Kiselev AL, Kozlov DI, Kaluzhskaia MO, Matveeva EG. [Orthopedic devices for footwear in flatness of the anterior part of the foot]. Ortop Travmatol Protez 1991 Sep;(9):28-31. (Rus).

Kudriavtsev VA, Rozhkov AV, Ogorodnikov VI. [Insertable orthopedic devices in the treatment of flatness of the anterior section of the foot and valgus deviation of the great toe]. Ortop Travmatol Protez 1990 Sep;(9):9-11. (Rus).

Kulkarni VN, Antia NH, Mehta JM. Newer designs in foot-wear for leprosy patients. Indian J Lepr 1990 Oct-Dec;62(4):483-7.

Larsen K, Holstein P, Deckert T. Limb salvage in diabetics with foot ulcers. Prosthet Orthot Int 1989 Aug;13(2):100-3.

Lehmann JF, de Lateur BJ. Lower extremity orthotics. In: Kottke FJ, Lehman JF. Krusen's handbook of physical medicine and rehabilitation. 4th ed. Philadelphia: Saunders; 1990. p. 602-46.

Levitz SJ, Dykyj D. Improvements in the design of viscoelastic heel orthoses. A clinical study. J Am Podiatr Med Assoc 1990 Dec;80(12):653-6.

Lewis G, Tan T, Shiue YS. Characterization of the performance of shoe insert materials. J Am Podiatr Med Assoc 1991 Aug;81(8):418-24.

Lord M, Foulston J. Clinical trial of a computer-aided system for orthopaedic shoe upper design. Prosthet Orthot Int 1991 Apr;15(1):11-7.

McAllister DF, Carver D, Devarajan R, Harrison L, Pietenpol JL, Yang SH. An interactive computer graphics system for the design of molded and orthopedic shoe lasts. J Rehabil Res Dev 1991 Fall;28(4):39-46.

McPoil TG Jr, Adrian M, Pidcoe P. Effects of foot orthoses on center-of-pressure patterns in women. Phys Ther 1989 Feb;69(2):149-54.

McPoil TG, Cornwall MW. Rigid versus soft foot orthoses. A single subject design. J Am Podiatr Med Assoc 1991 Dec;81(12):638-42.

McPoil TG, Schuit D, Knecht HG. Comparison of three methods used to obtain a neutral plaster foot impression. Phys Ther 1989 Jun;69(6):448-52.

Menke W, Bodem F, Casel J, Volkert R. A new lower leg prosthesis with simulation device for the achilles tendon. In: Johnson RJ, Mote CD, Binet M, eds. Skiing trauma and safety: the 7th International Symposium; 1987 May 10-16; Chamonix-Mont-Blanc, France. Philadelphia: American Society for Testing and Materials; 1989. p. 160-6.

Meyer PE, Petersen D. [Compensation in leg length inequality with orthopedic shoe measures]. Orthopade 1992 Jun;21(3):174-83. (Ger).

Miault D, Brun JP, Dupre JC, PIll M, Miault P, Deschamps E, Priollet P, Laurian C, Fichelle JM, Cormier JM. [Foot equipment of diabetic arteriopathy]. J Mal Vasc 1993;18(1):42-6. (Fre).

Miller CD, Paulos LE, Parker RD, Fishell M. The ballet technique shoe: a preliminary study of eleven differently modified ballet technique shoes using force and pressure plates. Foot Ankle 1990 Oct; 11(2):97-100.

Mills JA, Menelaus MB. Hallux varus. J Bone Joint Surg [Br] 1989 May;71(3):437-40.

Moncur C, Ward JR. Heat-moldable shoes for management of forefoot problems in rheumatoid arthritis. J Prosthet Orthot 1990 Dec;3(4):222-6.

Mueller K, Cornwall M, McPoil T, Mueller D, Barnwell J. Effect of a tone-inhibiting dynamic ankle-foot orthosis on the foot-loading pattern of a hemiplegic adult: a preliminary study. J Prosthet Orthot 1992 Winter;4(2):86-92.

Nawoczenski DA, Birke JA, Graham SL, Koziatek E. The neuropathic foot--a management scheme: a case report. Phys Ther 1989 Apr;69(4):287-91.

Newell SG. Functional neutral orthoses and shoe modifications. Phys Med Rehabil Clin North Am 1992 Feb;3(1):193-222.

Novick A, Birke JA, Hoard AS, Brasseauz DM, Broussard JB, Hawkins ES. Rigid orthoses for the insensitive foot: the rigid-relief orthosis. J Prosthet Orthot 1991 Fall;4(1):31-40.

Novick A, Stone J, Birke JA, Brasseaux DM, Broussard JB, Hoard AS, Hawkins ES. Reduction of plantar pressure with the rigid relief orthosis. J Am Podiatr Med Assoc 1993 Mar;83(3):115-22.

Nuber GW. Biomechanics of the foot and ankle during gait. Clin Podiatr Med Surg 1989 Jul;6(3): 615-27.

Palamarchuk HJ, Fry J. In-shoe casting technique for specialized sports shoes. J Am Podiatr Med Assoc 1989 Sep;79(9):462-5.

Philps JW. The functional foot orthosis. Edinburgh (UK): Churchill Livingstone; 1990. 180 p.

Pratt DJ. Long term comparison of some shock attenuating insoles. Prosthet Orthot Int 1990 Aug; 14(2):59-62.

Rome K. Behavior of orthotic materials in chiropody. J Am Podiatr Med Assoc 1990 Sep;80(9):471-8.

Rudicel S. Arthritis of the foot. Pinpointing the disease process involved. Postgrad Med 1989 Sep 1;86(3):122-5, 128-9, 132.

Ruttimann B. [Orthopedic technical and surgical measures in the diabetic foot]. Ther Umsch 1990 Jan;47(1):63-70. (Ger).

Sanner WH. The functional foot orthosis prescription. In: Jay RM, ed. Current therapy in podiatric surgery. Philadelphia: Decker; 1989. p. 302-14.

Sauvain MJ, Brock D, Gerber NJ. [Foot problems in chronic polyarthritis: shoe advice and foot care]. Ther Umsch 1991 Sep;48(9):640-4. (Ger).

Schaars AH, Postema K. Conservative treatment of foot deformities in Duchenne Muscular Dystrophy. J Rehabil Sci 1990 Jun;3(2):49-52.

Senner V, Schaff P, Hauser W. A new artificial leg for ski boot testing. In: Mote CD, Johnson RJ, eds. Skiing trauma and safety: 8th International Symposium; 1989; Riksgrasen, Sweden. Philadelphia: ASTM; 1991. p. 200-7.

Staats TB, Kriechbaum MP. Computer aided design and computer aided manufacturing of foot orthoses. J Prosthet Orthot 1989 Apr;1(3):182-6.

Staheli LT. Lower positional deformity in infants and children: a review. J Pediatr Orthop 1990 Jul-Aug; 10(4):559-63.

Staheli LT. Shoes for children: a review. Pediatrics 1991 Aug;88(2):371-5.

Subotnick SI, Block AJ. Retrocalcaneal problems. Clin Podiatr Med Surg 1990 Apr;7(2):323-32.

Surgical footwear [letter]. BMJ 1989 Nov 11; 299(6709):1216-7.

Tax HR. Conservative treatment of flatfoot in the newborn. Clin Podiatr Med Surg 1989 Jul;6(3): 521-36.

Taylor TL. Idiopathic flexible flatfoot in the adolescent. Clin Podiatr Med Surg 1989 Jul;6(3): 537-53.

Uhlig R. [Technical orthopedic compensation of leg length inequality]. Orthopade 1992 Jun;21(3): 184-96. (Ger).

Viladot A. Surgical treatment of the child’s flatfoot. Clin Orthop 1992 Oct;(283):34-8.

Vitek M, Kerkoc P. [Treatment of positional anomalies of the foot with a functional supportive inlay]. Z Orthop 1989 Jan-Feb;127(1):15-21. (Ger).

Vosatka J, Vrbicky B. [Technical orthopedic care of the diseased and deformed foot]. Acta Chir Orthop Traumatol Cech 1989 Jul;56(4):365-73. (Cze).

Warren BL. Plantar fasciitis in runners. Treatment and prevention. Sports Med 1990 Nov;10(5):338-45.

Wasson JH, Gall V, McDonald R, Liang MH. The prescription of assistive devices for the elderly: practical considerations. J Gen Intern Med 1990 Jan-Feb;5(1):46-54.

Weller C, Humphrey SJ, Kirollos C, Bowes SG, Charlett A, Dobbs SM, Dobbs RJ. Gait on a shoestring: falls and foot separation in parkinsonism. Age Ageing 1992 Jul;21(4):242-4.

Wenger DR, Mauldin D, Speck G, Morgan D, Lieber RL. Corrective shoes and inserts as treatment for flexible flatfoot in infants and children. J Bone Joint Surg [Am] 1989 Jul;71(6):800-10.

Wertsch JJ, Webster JG, Tompkins WJ. A portable insole plantar pressure measurement system. J Rehabil Res Dev 1992 Winter;29(1):13-8.

White FJ. Orthotics. In: Drennan JC, ed. Child's foot and ankle. New York: Raven Press; 1992. p. 71-96.

Winkler W. The role of orthotics in the rehabilitation of patients with fracture of the calcaneum. Prosthet Orthot Int 1989 Aug;13(2):70-5.

Wooden MJ. Biomechanical evaluation for functional orthotics. In: Donatelli R, Wolf SL, eds. Biomechanics of the foot and ankle. Philadelphia: F.A. Davis; 1990. p. 131-47. (Contemprary perspectives in rehabilitation; vol. 3).

Wu KK. Foot orthoses: priniciples and clinical applications. Baltimore: Williams & Wilkins; 1990. 379 p.

Wu KK. Shoes and their modifications [videocassette]. United States: [publisher unknown]; 1991. 1 videocassette: 16 min., sound, color, 1/2 in.

Zeegers AV, Van Raay JJ, van der Werken C. Ankle fractures treated with a stabilizing shoe. Acta Orthop Scand 1989 Oct;60(5):597-9.

Zhu H. In-shoe plantar pressure distribution under sensate and insensate feet [dissertation]. Milwaukee (WI): Marquette University; 1991. 103 p.

Zwipp H, Thermann H, Sudkamp N, Tscherne H, Milbradt H, Reimer P, Heintz P. [An innovative concept for primary functional treatment of Achilles tendon rupture]. Sportverletz Sportschaden 1990 Mar;4(1):29-35. (Ger).

Cushions & Seating

Bar CA. Evaluation of cushions using dynamic pressure measurement. Prosthet Orthot Int 1991 Dec;15(3):232-40.

Barbenel JC. Pressure management. Prosthet Orthot Int 1991 Dec;15(3):225-31.

Brienza DM, Brubaker CE, McLaurin CA, Chun KC. A manufacturing system for contoured foam cushions. J Rehabil Res Dev 1992 Fall;29(4): 32-40.

Cron L, Sprigle S. Clinical evaluation of the Hemi Wheelchair Cushion. Am J Occup Ther 1993 Feb;47(2):141-4.

Eckrich KM. Dynamic interface pressure between seated users and their wheelchairs [dissertation]. Ames (IA): Iowa State University; 1991. 171 p.

Eckrich KM. A pneumatic bladder array for measuring dynamic interface pressure between seated users and their wheelchairs. Biomed Sci Instrum 1991;27:135-40.

el Andaloussi M, Harouchi A, Refass A, Lazrak F, Bennani S. [Neonatal treatment of congenital hip dislocation using an abduction pillow]. Acta Orthop Belg 1990;56(1 Pt A):149-54. (Fre).

Ferguson-Pell MW. Seat cushion selection. J Rehabil Res Dev Clin Suppl 1990;(2):49-73.

Fife SE, Roxborough LA, Armstrong RW, Harris SR, Gregson JL, Field D. Development of a clinical measure of postural control for assessment of adaptive seating in children with neuromotor disabilities [published erratum appears in Phys Ther 1992 Jan;72(1):41]. Phys Ther 1991 Dec;71(12): 981-93.

Garber SL, Dyerly LR. Wheelchair cushions for persons with spinal cord injury: an update. Am J Occup Ther 1991 Jun;45(6):550-4.

Gilsdorf P, Patterson R, Fisher S. Thirty-minute continuous sitting force measurements with different support surfaces in the spinal cord injured and able-bodied. J Rehabil Res Dev 1991 Fall;28(4):33-8.

Green EM, Nelham RL. Development of sitting ability, assessment of children with a motor handicap and prescription of appropriate seating systems. Prosthet Orthot Int 1991 Dec;15(3): 203-16.

Hinderaker T, Rygh M, Uden A. The von Rosen splint compared with the Frejka pillow. A study of 408 neonatally unstable hips. Acta Orthop Scand 1992 Aug;63(4):389-92.

Inglis S, Gibbett K. Custom designed stroller inserts for young children with cerebral palsy. Aust Occup Ther J 1991;38(3):147-53.

Kanyer B. Meeting the seating and mobility needs of the client with traumatic brain injury. J Head Trauma Rehabil 1992 Sep;7(3):81-93.

Kotzki N, Pelissier J, Dusotoit C, Toulemonde M, Codine P, Enjalbert M, Daures P, Simon L. Preventive processes of shoulder hand syndrome in bedridden hemiplegic patients: Evaluation of three processes. Ann Readapt Med Phys 1991;34(4): 351-5.

Krouskop TA, Cullen B, Garber SL. Custom selection of support surfaces for wheelchairs and beds: one size does not fit all. Dermatol Nurs 1992 Jun;4(3): 191-4, 204.

McConnell EA. Applying an abduction pillow correctly. Nursing 1992 Jun;22(6):22.

Michael SM. Advances in wheelchair cushioning. Crit Rev Phys Rehabil Med 1991;3(1):1-12.

Moretto DF, Minkel JL, Cardi MD. Prosthetic/orthotic management after recent hemipelvectomy for a myelomeningocele patient. J Prosthet Orthot 1992 Winter;4(2):93-102.

Nelson VS, Leonard JA Jr, Fisher SV, Esquenazi A, Hicks JE. Prosthetics, orthotics, and assistive devices. 2. Specialized seating and assistive devices. Arch Phys Med Rehabil 1989 May;70(5-S):S202-5.

Odderson IR, Jaffe KM, Sleicher CA, Price R, Kropp RJ. Gel wheelchair cushions: a potential cold weather hazard. Arch Phys Med Rehabil 1991 Nov;72(12):1017-20.

Patterson K, Michael S. Correcting the sitting posture of a person with a hindquarter amputation. Austral Occup Ther J 1991 Mar;38(1):237-40.

Post KM. From the field: clinical notes on cushion prescription. Am J Occup Ther 1991 Jun;45(6): 559-62.

Presperin J. Seating systems: the therapist and rehabilitation engineering team. Phys Occup Ther Pediatr 1990;10(2):11-45.

Proper seating: a key to participation. Except Parent 1989 Mar;19(2):46-9.

Sanford M, Fowler C. Positioning the patient with an abductor pillow. Orthop Nurs 1989 Sep-Oct;8(5): 21-3.

Shields RK, Cook TM. Lumbar support thickness: effect on seated buttock pressure in individuals with and without spinal cord injury. Phys Ther 1992 Mar;72(3):218-26.

Sposato BA. Computer-aided shape sensing for prescribing custom contoured seat cushions [master's thesis]. Charlottesville (VA): University of Virginia Press; 1990.

Sprigle S, Chung KC, Brubaker CE. Factors affecting seat contour characteristics. J Rehabil Res Dev 1990 Spring;27(2):127-34.

Sprigle S, Chung KC, Brubaker CE. Reduction of sitting pressures with custom contoured cushions. J Rehabil Res Dev 1990 Spring;27(2):135-40.

Sprigle SH. Biomechanical analysis of contoured foam for use by spinal cord-injured persons [dissertation]. Charlottesville (VA): University of Virginia; 1989. 179 p.

Sprigle SH, Faisant TE, Chung KC. Clinical evaluation of custom-contoured cushions for the spinal cord injured. Arch Phys Med Rehabil 1990 Aug;71(9):655-8.

Todd BA. Finite element analysis of the stress distribution within the seated and supine human buttocks [dissertation]. Charlottesville (VA): University of Virginia; 1992. 252 p.

Trail IA, Galasko CS. The Matrix seating system. J Bone Joint Surg [Br] 1990 Jul;72(4):666-9.

van Straten O. An unusual positioning pillow for use with burns. J Burn Care Rehabil 1991 Mar-Apr; 12(2):170-1.

Ankle-Foot-Othoses & Other Devices

Assessment and care of the patient with a neck immobilizer [videocassette]. Houston: University of Texas Health Science Center at Houston, UT/TV; 1992. 1 videocassette: 7 min., sound, color, 1/2 in. (Orthopedic nursing series; 1). Accompanied by: 1 guide.

Abitbol JJ, Botte MJ, Garfin SR, Akeson WH. The treatment of multiple myeloma of the cervical spine with a halo vest. J Spinal Disord 1989 Dec;2(4): 263-7.

Anderson EG. The rheumatoid foot: a sideways look. Ann Rheum Dis 1990 Oct;49 Suppl 2:851-7.

Andrews BJ, Barnett RW, Phillips GF, Kirkwood CA, Donaldson N, Rushton DN, Perkins TA. Rule-based control of a hybrid FES orthosis for assisting paraplegic locomotion. Automedica 1989;11: 175-99.

Ator R, Gunn K, McPoil TG, Knecht HG. The effect of adhesive strapping on medial longitudinal arch support before and after exercise. J Orthop Sports Phys Ther 1991 Jul;14(1):18-23.

Axelsson P, Johnsson R, Stromqvist B. Effect of lumbar orthosis on intervertebral mobility. A roentgen stereophotogrammetric analysis. Spine 1992 Jun;17(6):678-81.

Bahler A. Fundamental biomechanical principles in the orthotic treatment of the knee. J Prosthet Orthot 1992 Apr;4(3):157-65.

Baiges IJ, Rosen MJ. Development of a whole-arm orthosis for tremor suppression. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 290-1.

Baitch SP, Blake RL, Fineagan PL, Senatore J. Biomechanical analysis of running with 25 degrees inverted orthotic devices. J Am Podiatr Med Assoc 1991 Dec;81(12):647-52.

Ballock RT, Hajek PC, Byrne TP, Garfin SR. The quality of magnetic resonance imaging, as affected by the composition of the halo orthosis. A brief note. J Bone Joint Surg [Am] 1989 Mar;71(3): 431-4.

Banta JV, Bell KJ, Muik EA, Fezio J. Parawalker: energy cost of walking. Eur J Pediatr Surg 1991 Dec;1 Suppl 1:7-10.

Banziger E, et al. Dynamic dorsiflexion assist polypropylene ankle foot orthosis. J Assoc Child Prosthet Orthot Clin 1991 Fall;26(2):65-8.

Barbenel JC, Paul JP. Bioengineering developments for paraplegic patients. Paraplegia 1992 Jan;30(1): 61-4.

Barnett RW. Paraplegic standing and reciprocal gait using a floor reaction hybrid F.E.S. orthosis [dissertation]. Glasgow (UK): University of Strathclyde; 1990. 174 p.

Beavis A. Cervical orthoses. Prosthet Orthot Int 1989 Apr;13(1):6-13.

Bender LH. Part 2. Osteogenesis imperfecta. Orthop Nurs 1991 Jul-Aug;10(4):23-32.

Benzel EC, Hadden TA, Saulsbery CM. A comparison of the Minerva and halo jackets for stabilization of the cervical spine. J Neurosurg 1989 Mar;70(3):411-4.

Berard C, Delmas MC, Locqueneux F, Vadot JP. [Anti-calcaneus carbon fiber orthosis in children with myelomeningocele]. Rev Chir Orthop 1990;76(3):222-5. (Fre).

Berger A, Schaller E, Mailander P. Brachial plexus injuries: an integrated treatment concept [published erratum appears in Ann Plast Surg 1991 Aug;27(2): 194-5]. Ann Plast Surg 1991 Jan;26(1):70-6.

Bergmann JN. History and mechanical control of heel spur pain. Clin Podiatr Med Surg 1990 Apr;7(2): 243-59.

Binder H, Eng GD. Rehabilitation management of children with spastic diplegic cerebral palsy. Arch Phys Med Rehabil 1989 Jun;70(6):482-9.

Blake RL, Ferguson H. Extrinsic rearfoot posts. J Am Podiatr Med Assoc 1992 Apr;82(4):202-7.

Blake RL, Ferguson H. Foot orthosis for the severe flatfoot in sports. J Am Podiatr Med Assoc 1991 Oct;81(10):549-55.

Blanco JS, Herring JA. Congenital Chopart amputation. A functional assessment. Clin Orthop 1990 Jul;(256):14-21.

Blauth W, Hippe P. The surgical treatment of partial tibial deficiency and ankle diastasis. Prosthet Orthot Int 1991 Aug;15(2):127-30.

Bordelon RL. Orthotics, shoes, and braces. Orthop Clin North Am 1989 Oct;20(4):751-7.

Botte MJ, Mason RD, Gellman H. Temporary orthosis for the cast-immobilized thumb. J Hand Surg [Am] 1993 Jan;18(1):164-5.

Bowker JH. Medical and surgical considerations in the care of patients with insensate dyvascular feet. J Prosthet Orthot 1991 Fall;4(1):23-30.

Bowker P, Messenger N, Ogilvie C, Rowley DI. Energetics of paraplegic walking. J Biomed Eng 1992 Jul;14(4):344-50.

Brantingham JW, Snyder WR, Michaud T. Morton's neuroma. J Manip Physiol Ther 1991;14(5): 317-22.

Brennan MJ, Hayes S, Watson JT. Orthotics versus casting in the management of lower extremity sprains, fractures, and other common orthopaedic problems. Contemp Orthop 1991 Jun;22(6): 683-713.

Brims J, Lynch T, Isaac TC. Appliance for hemiplegic patients [letter]. Br J Gen Pract 1992 Jan;42(354):41.

Brooke MM, de Lateur BJ, Diana-Rigby GC, Questad KA. Shoulder subluxation in hemiplegia: effects of three different supports. Arch Phys Med Rehabil 1991 Jul;72(8):582-6.

Brown JK. Too few cooks: too many cooks [editorial]. Dev Med Child Neurol 1992 Jul;34(7): 565-6.

Bruns J, Staerk H. Mechanical ankle stabilisation due to the use of orthotic devices and peroneal muscle strength. An experimental investigation. Int J Sports Med 1992 Nov;13(8):611-5.

Burl MM, Williams JG, Nayak USL. The effect of cervical collars on walking balance. Physiotherapy 1992 Jan;78(1):19-22.

Butler PB, Thompson N, Major RE. Improvement in walking performance of children with cerebral palsy: preliminary results. Dev Med Child Neurol 1992 Jul;34(7):567-76.

Calmels P, Escafit M, Domenach M, Minaire P. Posturographic evaluation of the proprioceptive effect of ankle orthoses in healthy volunteers. Int Disabil Stud 1991 Apr-Jun;13(2):42-5.

Calmels P, Pallot-Prades B, Alexandre C, Minaire P. [The reeducation of the patient with rheumatoid polyarthritis]. Servir 1989 Sep-Oct;37(5):306-9. (Por).

Carlson JM, French J. Knee orthoses for valgus protection. Experiments on 11 designs with related analyses of orthosis length and rigidity. Clin Orthop 1989 Oct;(247):175-92.

Carlson JM, Hollerback F, Day B. A calf corset weightbearing ankle-foot orthosis design. J Prosthet Orthot 1991 Fall;4(1):41-4.

Carter TR, Fowler PJ, Blokker C. Functional postoperative treatment of Achilles tendon repair. Am J Sports Med 1992 Jul-Aug;20(4):459-62.

Casa B, Caleffi E, Bocchi A, Ferraro F, Del Piano P. [Rehabilitation of burned patients. II. Therapeutic exercise]. Acta Biomed Ateneo Parmense 1990;61(1-2):67-71. (Ita).

Caselli MA, Cohen-Sobel E, Thompson J, Adler J, Gonzalez L. Biomechanical management of children and adolescents with Down syndrome. J Am Podiatr Med Assoc 1991 Mar;81(3):119-27.

Cassinis A, Conti B, Redaelli T, Cosignani F, Bartemucci G. [The multidisciplinary treatment of children with spina bifida]. Riabilitazione 1991; 24(4):207-21. (Ita).

Chandler DR, Nemejc C, Adkins RH, Waters RL. Emergency cervical-spine immobilization. Ann Emerg Med 1992 Oct;21(10):1185-8.

Chu T. Three-dimensional finite element stress analysis of a polymeric orthotic device: biomechanics of the ankle-foot orthosis [dissertation]. Akron (OH): University of Akron; 1992. 258 p.

Clayman DA, Murakami ME, Vines FS. Compatibility of cervical spine braces with MR imaging: a study of nine nonferrous devices. AJNR Am J Neuroradiol 1990 Mar-Apr;11(2):385-90.

Closson JB, Toerge JE, Ragnarsson KT, Parsons KC, Lammertse DP. Rehabilitation in spinal cord disorders. 3. Comprehensive management of spinal cord injury. Arch Phys Med Rehabil 1991 Mar; 72(4-S):S298-308.

Condie DN. Lower limb orthotics. Curr Opin Orthop 1990 Dec;1(3):462-5.

Conway PJ, Herzog W. Changes in walking mechanics associated with wearing an intertrochanteric support belt. J Manipulative Physiol Ther 1991 Mar-Apr;14(3):185-8.

Cool JC. Biomechanics of orthoses for the subluxed shoulder. Prosthet Orthot Int 1989 Aug;13(2):90-6.

Cornwall MW, McPoil TG. Effect of rearfoot posts in reducing forefoot forces. A single-subject design. J Am Podiatr Med Assoc 1992 Jul;82(7):371-4.

Correll J. The state of technical orthopaedics in spina bifida. Z Kinderchir 1989 Dec;44 Suppl 1:8-10.

Cotler HB, Cotler JM, Alden ME, Sparks G, Biggs CA. The medical and economic impact of closed cervical spine dislocations. Spine 1990 Jun;15(6): 448-52.

Craig GR, Nielsen MS. Rigid cervical collars and intracranial pressure. Intensive Care Med 1991; 17(8):504-5.

Cutcliffe N, Prugger A. Adapted clothing for patients in halo traction. Can J Occup Ther 1990 Feb; 57(1):39-42.

Cuxart A, Iborra J, Melendez M, Pages E. Physeal injuries in myelomeningocele patients. Paraplegia 1992 Nov;30(11):791-4.

Davidson MR, Copoloff JA. Neuromas of the heel. Clin Podiatr Med Surg 1990 Apr;7(2):271-88.

De Korvin G, Pialoux B, Allainmat T, Michelin F, Morvan MF, Bracq H. The contribution of orthotic devices and technical aids to locomotor development in a group of 29 children with various mental and physical disabilities. Ann Readapt Med Phys 1989 Dec;32(6):743-65.

Diamond MF, Ottenbacher KJ. Effect of a tone-inhibiting dynamic ankle-foot orthosis on stride characteristics of an adult with hemiparesis. Phys Ther 1990 Jul;70(7):423-30.

Djeddou N. Experience of treating scoliosis at the Azur Plage medical centre. Ann Readapt Med Phys 1989 Aug;32(4):321-30.

Donatto KC, Rightor N, D'Ambrosia R. Custom-molded orthotics in postoperative hallux valgus immobilization. Orthopedics 1992 Apr;15(4): 449-51.

Dunst RM. Legg-Calvé-Perthes disease. Orthop Nurs 1990 Mar-Apr;9(2):18-27.

Durfee WK, Hausdorff JM. Regulating knee joint position by combining electrical stimulation with a controllable friction brake. Ann Biomed Eng 1990; 18(6):575-96.

Egan JM. An aid for the management of shoulder pain in hemiplegia. Br J Occup Ther 1990 Sep;53(9):362-4.

Elattrache N, Fadale PD, Fu FH. Thoracic spine fracture in a football player. A case report. Am J Sports Med 1993 Jan-Feb;21(1):157-60.

Elizarov VG, Buslov IV, Gerasimov OR, Korolev AN. [Compression-flexion fractures of lower thoracic and lumbar vertebrae: causes of failure of the reclination treatment and the ways of its improvement]. Vestn Khir 1990 Jul;145(7):58-62. (Rus).

Elizarov VG, Buslov IV, Gerasimov OR, Korolev AN. [Long-term forced reclination in fractures of the lower thoracic and lumbar vertebrae: its biomechanical substantiation and results]. Sov Med 1990;(2):101-3. (Rus).

Elschner H, Kleditzsch J, Schulze KJ, Stenzel R. The posture training device. Function and first tests. Z Physiother 1990;42(2):105-8.

Embrey DG, Yates L, Mott DH. Effects of neuro-developmental treatment and orthoses on knee flexion during gait: a single-subject design. Phys Ther 1990 Oct;70(10):626-37.

Enneking WF, Dunham W, Gebhardt MC, Malawar M, Pritchard DJ. A system for the functional evaluation of reconstructive procedures after surgical treatment of tumors of the musculoskeletal system. Clin Orthop 1993 Jan;(286):241-6.

Ernst E. [Does a supportive muscle corset: prevent spinal complaints?]. Wien Med Wochenschr 1992;142(13):291-3. (Ger).

Federico DJ, Renshaw TS. Results of treatment of idiopathic scoliosis with the Charleston bending orthosis. Spine 1990 Sep;15(9):886-7.

Ferguson H, Raskowsky M, Blake RL, Denton JA. TL-61 versus Rohadur orthoses in heel spur syndrome. J Am Podiatr Med Assoc 1991 Aug; 81(8):439-42.

Fernandez-Palazzi F, Silva JR. Congenital dislocation of the knee. Int Orthop 1990;14(1):17-9.

Fettweis E. Treatment of congenital dislocation of the hip in a squatting position, Fettweis method. Acta Orthop Belg 1990;56(1 Pt A):155-65.

Fillion PL. Treatment of lateral epicondylitis. Am J Occup Ther 1991 Apr;45(4):340-3.

Fisher SV. Cervical orthotics. Phys Med Rehabil Clin North Am 1992 Feb;3(1):29-43.

Fisher SV. Spinal orthoses. In: Kottke FJ, Lehman JF. Krusen's handbook of physical medicine and rehabilitation. 4th ed. Philadelphia: Saunders; 1990. p. 593-601.

Flenner TJ, Meek M. A stump protector for the person with a lower extremity amputation. Am J Occup Ther 1991 Feb;45(2):171-2.

Fukushima M, Sigeno Y, Yamamoto K, Nakamura T, Watanabe T. Patellar band for patellofemoral disorders: results and indications. Prosthet Orthot Int 1992 Aug;16(2):109-13.

Gajiwala KJ, Sams SB, Pandya N, Wagh A. A new dynamic lumbrical simulating splint for claw hand deformity. Plast Reconstr Surg 1991 Jan;87(1): 170-3.

Garber SL, Gregorio TL. Upper extremity assistive devices: assessment of use by spinal cord-injured patients with quadriplegia. Am J Occup Ther 1990 Feb;44(2):126-31.

Gaskill SJ, Marlin AE. Custom fitted thermoplastic Minerva jackets in the treatment of cervical spine instability in preschool age children. Pediatr Neurosurg 1990-91;16(1):35-9.

Gavin TM, Boscardin JB, Patwardhan AG, Bunch WH, Zindrick MR, Lorenz MA, Vrbos LA. Preliminary results of orthotic treatment for chronic low back pain. J Prosthet Orthot 1993 Jan;5(1):5-9.

Gaynor R, Hake D, Spinner SM, Tomczak RL. A comparative analysis of conservative versus surgical treatment of Morton's neuroma. J Am Podiatr Med Assoc 1989 Jan;79(1):27-30.

Glover SD, Benson MK. Iliotibial band contracture after using the Pavlik harness. J Bone Joint Surg [Br] 1989 May;71(3):535.

Granata C, De Lollis A, Campo G, Piancastelli L, Merlini L. Analysis, design and development of a carbon fibre reinforced plastic knee-ankle-foot orthosis prototype for myopathic patients. Proc Inst Mech Eng [H] 1990;204(2):91-6.

Grant AD, Atar D, Lehman WB. Ilizarov technique in correction of foot deformities: a preliminary report. Foot Ankle 1990 Aug;11(1):1-5.

Greene TA, Hillman SK. Comparison of support provided by a semirigid orthosis and adhesive ankle taping before, during, and after exercise. Am J Sports Med 1990 Sep-Oct;18(5):498-506.

Greene TA, Wight CR. A comparative support evaluation of three ankle orthoses before, during, and after exercise. J Orthop Sports Phys Ther 1990 Apr;11(10):453-66.

Greene WB. Infantile tibia vara. Instr Course Lect 1993;42:525-38.

Greene WB. Infantile tibia vara. J Bone Joint Surg Am 1993 Jan;75(1):130-43.

Gross MT, Ballard CL, Mears HG, Watkins EJ. Comparison of DonJoy Ankle Ligament Protector and Aircast Sport Stirrup orthoses in restricting foot and ankle motion before and after exercise. J Orthop Sports Phys Ther 1992 Aug;16(2):60-7.

Guidera KJ, Smith S, Raney E, Frost J, Pugh L, Griner D, Ogden JA. Use of the reciprocating gait orthosis in myelodysplasia. J Pediatr Orthop 1993 May-Jun;13(3):341-8

Haje SA, Bowen JR. Preliminary results of orthotic treatment of pectus deformities in children and adolescents. J Pediatr Orthop 1992 Nov-Dec; 12(6):795-800.

Hale S. Carbon fiber articulated AFO - an alternative design. J Prosthet Orthot 1989 Jul;1(4):191-8.

Hanson CJ, Jones LJ. Gait abnormalities and inhibitive casts in cerebral palsy. Literature review. J Am Podiatr Med Assoc 1989 Feb;79(2):53-9.

Harden NG, Luster SH. Rehabilitation considerations in the care of the acute burn patient. Crit Care Nurs Clin North Am 1991 Jun;3(2):245-53.

Harding WG 3d. Use and misuse of the tennis elbow strap. Physician Sportsmed 1992 Aug;20(8):65-8, 71-2, 74.

Harlow ML, Russ JC, Nolinske TL, et al. Orthotic management of the spine. In: Meyer PR. Surgery of spine trauma. New York: Churchill Livingstone; 1989. p. 279-304.

Harryman SE. Lower-extremity surgery for children with cerebral palsy: physical therapy management. Phys Ther 1992 Jan;72(1):16-24.

Hart DL. Spinal immobility: braces and corsets. In: Gould JA 3rd, ed. Orthopaedic and sports physical therapy. 2nd ed. St. Louis: Mosby; 1990. p. 265-89.

Heckmatt J, Rodillo E, Dubowitz V. Management of children: pharmacological and physical. Br Med Bull 1989 Jul;45(3):788-801.

Helliwell PS, Wright V. What are the indications for the use of a lumbar corset in low back pain? Br J Rheumatol 1991 Feb;30(1):62.

Hesse S, Platz T, Mauritz KH. [Indications for optimal use of orthoses in the treatment of hemiparetic patients]. Biomed Tech (Berlin) 1990; 35 Suppl 3:52-3. (Ger).

Hirons RR, Williams KB, Amor RF, Day HJ. The prosthetic treatment of lower limb deficiency. Prosthet Orthot Int 1991 Aug;15(2):112-6.

Holmstrom E, Moritz U. Effects of lumbar belts on trunk muscle strength and endurance: a follow-up study of construction workers. J Spinal Disord 1992 Sep;5(3):260-6.

Hopkins BP. The development of a symmetrical hip orthosis. Physiotherapy 1992 Jun;78(6):428-32.

Ikeda K. Conservative treatment of idiopathic clubfoot. J Pediatr Orthop 1992 Mar-Apr;12(2): 217-23.

Ikzkovich M, Catz A, Ona I. A new double-purpose device for elbow extension in tetraplegia with paralysis below C5. Paraplegia 1993 Feb;31(2): 116-8.

Inglis S, Gibbett K. Custom designed stroller inserts for young children with cerebral palsy. Aust Occup Ther J 1991;38(3):147-53.

Ishal VA. [Possibilities of conservative treatment of scoliosis]. Ortop Travmatol Protez 1990 Mar;(3): 74-7. (Rus).

Jaivin JS, Bishop JO, Braly WG, Tullos HS. Management of acquired adult dropfoot. Foot Ankle 1992 Feb;13(2):98-104.

Jani L. [Conservative treatment of hip dysplasia/hip dislocation in infancy]. Z Orthop 1990 Jul-Aug; 128(4):361-4. (Ger).

Jay RM, Schoenhaus HD. Hyperpronation control with a dynamic stabilizing innersole system. J Am Podiatr Med Assoc 1992 Mar;82(3):149-53.

Johnson MW, Peckham PH. Evaluation of shoulder movement as a command control source. IEEE Trans Biomed Eng 1990 Sep;37(9):876-85.

Johnsson R. The use of orthoses in lumbar spine fusion. Acta Orthop Scand Suppl 1993;251:92-3.

Jones DC. Foot othoses. Instr Course Lect 1993;42: 219-24.

Jurisson ML. Rehabilitation in rheumatic diseases. What's new. West J Med 1991 May;154(5):545-8.

Kahn DL. The reciprocation gait orthosis for children with myelodysplasia. Phys Occup Ther Pediatr 1989;9(2):107-17.

Kaplan SL, Rocco TP, Tun CG, Silverman DI, Kemper AJ. Acute pulmonary edema following removal of a spinal orthosis: an unusual complication of a halo vest. Arch Phys Med Rehabil 1990 Mar;71(3): 255-7.

King HA. Orthotic management of idiopathic scoliosis. Phys Med Rehabil Clin North Am 1992 Feb;3(1):45-55.

King TI 2d. A standing belt. Am J Occup Ther 1989 Jul;43(7):471-3.

Knutson LM, Clark DE. Orthotic devices for ambulation in children with cerebral palsy and myelomeningocele. Phys Ther 1991 Dec;71(12): 947-60.

Kohlmeyer KM, Weber CG, Yarkony GM. A new orthosis for central cord syndrome and brachial plexus injuries. Arch Phys Med Rehabil 1990 Nov; 71(12):1006-9.

Korbelar P. [Basics of conservative therapy of idiopathic scoliosis]. Cesk Pediatr 1989 May;44(5): 296-8. (Cze).

Korzh NA, Bilinskii PI. [Orthotic devices in the treatment of injuries of the ankle joint]. Ortop Travmatol Protez 1991 Apr;(4):5-10. (Rus).

Kotzki N, Pelissier J, Dusotoit C, Toulemonde M, Codine P, Enjalbert M, Daures P, Simon L. Preventive processes of shoulder hand syndrome in bedridden hemiplegic patients: Evaluation of three processes. Ann Readapt Med Phys 1991;34(4): 351-5.

Kruse DH. Leave the collar on [letter]. J Emerg Nurs 1990 Nov-Dec;16(6):376.

Lane SE. Severe ankle sprains: treatment with an ankle foot orthosis. Physician Sportsmed 1990 Nov;18(11):43-4, 46-51.

Lauritzen JB, Petersen MM, Lund B. Effect of external hip protectors on hip fractures. Lancet 1993 Jan 2;341(8836):11-3.

LeBlanc MA, Carlson LE, Nauenberg T. A quantitative comparison of four experimental axillary crutches. J Prosthet Orthot 1993 Jan; 5(1):20-8.

Lee S, Agah A, Bekey G. IROS: an intelligent rehabilitative orthotic system for cerebrovascular accident. In: 1990 IEEE International Conference on Systems, Man and Cybernetics Conference Proceedings; 1990 Nov 4-7; Los Angeles, CA. New York: IEEE; 1990. p. 815-9.

Lehmann JF. Push-off and propulsion of the body in normal and abnormal gait. Correction by ankle-foot orthoses. Clin Orthop 1993 Mar;(288):97-108.

Lehmann JF, de Lateur BJ. Lower extremity orthotics. In: Kottke FJ, Lehman JF. Krusen's handbook of physical medicine and rehabilitation. 4th ed. Philadelphia: Saunders; 1990. p. 602-46.

Lehmann JF, De Lateur BJ, Price R. Ankle foot orthoses for paresis and paralysis. Phys Med Rehabil Clin North Am 1992 Feb;3(1):139-59.

Lehmann JF, De Lateur BJ, Price R. Biomechanics of normal gait. Phys Med Rehabil Clin North Am 1992 Feb;3(1):95-109.

Lehmann JF, De Lateur BJ, Price R. Knee ankle foot orthoses for paresis and paralysis. Phys Med Rehabil Clin North Am 1992 Feb;3(1):161-83.

Lehmann JF, De Lateur BJ, Price R. Weight bearing and other orthoses for skeletal and joint insufficiency. Phys Med Rehabil Clin North Am 1992 Feb;3(1):185-92.

Lein S. How are physiotherapists using the Vessa Pneumatic Post Amputation Mobility Aid? Physiotherapy 1992 May;78(5):318-22.

Leone D, Diemente S, Lopez-Isa M, Fox MD, Epstein MA, Davis RB, Alward TM. Structural stability prediction for thermoplastic ankle-foot orthoses. In: Proceedings of the 17th Annual Northeast Bioengineering Conference; 1991 Apr 4-5; Hartford, CT. New York: IEEE; 1991. p. 231-2.

Lough LK. The effects of fixed and hinged ankle foot orthoses on gait myoelectric activity and standing joint alignment in children with cerebral palsy [dissertation]. Iowa City (IA): University of Iowa; 1990. 223 p.

Lumbar support belts. J Occup Med 1992 Jul;34(7): 679-80.

Madden G. Orthotic management for osteochondritis dissecans of the talar dome. J Prosthet Orthot 1989 Jan;1(2):72-5.

Maeda CJ, Baydur A, Waters RL, Adkins RH. The effect of the halovest and body position on pulmonary function in quadriplegia. J Spinal Disord 1990 Mar;3(1):47-51.

Mann DC, Hoffer MM. Flat foot in spastic cerebral palsy. Semin Orthop 1989;4(4):277-88.

Marcinko DE, Azzolini TJ, Mariash SA. Enigma of pediatric vertical talus deformity. J Foot Surg 1990 Sep-Oct;29(5):452-8.

Markley VJ, Shepperd JA. Corset supply and the Hastings corset shop. Br J Occup Ther 1990 Apr; 53(4):155-7.

Marr J, Edmonds V. Cervical orthoses: the issue of patient compliance. J Neurosci Nurs 1990 Apr; 22(2):104-7.

Matsusue Y, Ueno T, Yamamuro T. Effective treatment by orthosis of dislocation of the patella associated with Down's syndrome. A report of case. Nippon Geka Hokan 1991 May 1;60(3):189-94.

McConnell EA. Correctly positioning an arm sling. Nursing 1991 Jul;21(7):70.

McCulloch MU, Brunt D, Vander Lindern D. The effect of foot orthotics and gait velocity on lower limb kinematics and temporal events of stance. J Orthop Sports Phys Ther 1993 Jan;17(1):2-10.

McGuire RA, Degnan G, Amundson GM. Evaluation of current extrication orthoses in immobilization of the unstable cervical spine. Spine 1990 Oct;15(10):1064-7.

McGuire RA Jr. Protection of the unstable spine during transport and early hospitalization. J Miss State Med Assoc 1991 Aug;32(8):305-8.

McKenna ME, McCarthy C. Acute care of the patient with spinal cord injury. CONA J 1989 Spring; 11(1):5-10.

McKnight PT, Kwoh CK. Randomized, controlled trial of compression gloves in rheumatoid arthritis. Arthritis Care Res 1992 Dec;5(4):223-7.

Meehan PL, Angel D, Nelson JM. The Scottish Rite abduction orthosis for the treatment of Legg-Perthes disease. A radiographic analysis. J Bone Joint Surg [Am] 1992 Jan;74(1):2-12.

Miault D, Brun JP, Dupre JC, Pill M, Miault P, Deschamps E, Priollet P, Laurian C, Fichelle JM, Cormier JM. [Foot equipment of diabetic arteriopathy]. J Mal Vasc 1993;18(1):42-6.

Michael JW, Isbell MA, Harrelson JM. Orthotic management of diabetic neuropathic arthropathy. J Prosthet Orthot 1991 Fall;4(1):45-55.

Milgrom C, Burr DB, Boyd RD, Robin GC, Higgins WL, Radin EL. The effect of a viscoelastic orthotic on the incidence of tibial stress fractures in an animal model. Foot Ankle 1990 Apr;10(5): 276-9.

Miller CD, Paulos LE, Parker RD, Fishell M. The ballet technique shoe: a preliminary study of eleven differently modified ballet technique shoes using force and pressure plates. Foot Ankle 1990 Oct; 11(2):97-100.

Moore P, Major R, Stallard J, Butler PB. Contracture correction device for arthrogryposis. Physiotherapy 1990 May;76(5):303-5.

Moore P, Stallard J. A clinical review of adult paraplegic patients with complete lesions using the Orlau Parawalker. Paraplegia 1991 Mar;29(3): 191-6.

Moreau C. [Myopathies]. Rev Infirm 1989 Nov; 39(18):27-31. (Fre).

Mossberg KA, Linton KA, Friske K. Ankle-foot orthoses: effect on energy expenditure of gait in spastic diplegic children. Arch Phys Med Rehabil 1990 Jun;71(7):490-4.

Mueller K, Cornwall M, McPoil T, Mueller D, Barnwell J. Effect of a tone-inhibiting dynamic ankle-foot orthosis on the foot-loading pattern of a hemiplegic adult: a preliminary study. J Prosthet Orthot 1992 Winter;4(2):86-92.

Mulder AJ, Veltink PH, Boom HB, Zilvold G. Low-level finite state control of knee joint in paraplegic standing. J Biomed Eng 1992 Jan;14(1):3-8.

Murtagh J. Fractured rib. Aust Fam Physician 1991 Apr;20(4):491.

Murtagh J. Slings (Part 1). Aust Fam Physician 1992 Nov;21(11):1681.

Myhr U, von Wendt L. Improvement of functional sitting position for children with cerebral palsy. Dev Med Child Neurol 1991 Mar;33(3):246-56.

Nash RS, Davy MS, Orpwood R, Swain ID. Development of a wheelchair-mounted folding standing frame. J Biomed Eng 1990 May;12(3): 189-92.

Naylor JR, Mulley GP. Surgical collars: a survey of their prescription and use. Br J Rheumatol 1991 Aug;30(4):282-4.

Nazaroff KS, Stanton JH, Magana KR, Kaufman RL. Halo-body jacket immobilization in rheumatoid arthritis patients with cervical myelopathy. Nurs Clin North Am 1989 Mar;24(1):209-23.

Nemunaitis GA, Herbison GJ. Cosmetic, functional, independent: self-help aids. Arch Phys Med Rehabil 1991 Apr;72(5):334-5.

Nene AV, Patrick JH. Energy cost of paraplegic locomotion using the ParaWalker--electrical stimulation "hybrid" orthosis. Arch Phys Med Rehabil 1990 Feb;71(2):116-20.

Neumann H, O'Shea P, Nielson JP, Climstein M. A physiological comparison of the short-leg walking cast and an ankle-foot orthosis walker following 6 weeks of immobilization. Orthopedics 1989 Nov; 12(11):1429-33; discussion 1433-4.

Newell SG. Functional neutral orthoses and shoe modifications. Phys Med Rehabil Clin North Am 1992 Feb;3(1):193-222.

Nordenskiold U. Elastic wrist orthoses. Reduction of pain and increase in grip force for women with rheumatoid arthritis. Arthritis Care Res 1990 Sep; 3(3):158-62.

Novick A, Birke JA, Hoard AS, Brasseaux DM, Broussard JB, Hawkins ES. Rigid orthoses for the insensitive foot: the rigid-relief orthosis. J Prosthet Orthot 1991 Fall;4(1):31-40.

Novick A, Kelley DL. Position and movement changes of the foot with orthotic intervention during the loading response of gait. J Orthop Sport Phys Ther 1990;11(7):301-12'.

Novick A, Stone J, Birke JA, Brasseaux DM, Broussard JB, Hoard AS, Hawkins ES. Reduction of plantar pressure with the rigid relief orthosis. J Am Podiatr Med Assoc 1993 Mar;83(3):115-22.

O'Neill DB, Zarins B, Gelberman RH, Keating TM, Louis D. Compression of the anterior interosseous nerve after use of a sling for dislocation of the acromioclavicular joint. A report of two cases. J Bone Joint Surg [Am] 1990 Aug;72(7):1100-2.

Officer TM. A microprocessor controlled page turner. Biomed Sci Instrum 1991;27:141-4.

Ogilvie C, Bowker P, Rowley DI. The physiological benefits of paraplegia orthotically aided walking. Paraplegia 1993 Feb;31(2):111-5.

Ohman K, Spaniol D. Halo immobilization: discharge planning and patient education. J Neurosci Nurs 1990 Dec;22(6):351-7.

Ohsawa S, Ikeda S, Tanaka S, Takahashi T, Takeuchi T, Utsunomiya M, Ueno R, Ohkura M, Ito Y, Katagi Y, et al. A new model of plastic ankle foot orthosis (FAFO (II)) against spastic foot and genu recurvatum. Prosthet Orthot Int 1992 Aug;16(2): 104-8.

Pal'gov KA, Idrisova RS. [Functional treatment of congenital clubfoot in infants]. Ortop Travmatol Protez 1990 Nov;(11):57-8. (Rus).

Patwardhan AG, Li SP, Gavin T, Lorenz M, Meade KP, Zindrick M. Orthotic stabilization of thoracolumbar injuries. A biomechanical analysis of the Jewett hyperextension orthosis. Spine 1990 Jul; 15(7):654-61.

Pavlik A. Stirrups as an aid in the treatment of congenital dysplasias of the hip in children. By Arnold Pavlik, 1950 [classical article]. J Pediatr Orthop 1989 Mar-Apr;9(2):157-9.

Peltier RA. Effects of semi-rigid orthotics on abduction-adduction moments at the knee joint during walking [masters thesis]. Lansing (MI): Michigan State University; 1990. 67 p.

Philps JW. The functional foot orthosis. Edinburgh (UK): Churchill Livingstone; 1990. 180 p.

Pollock FE, Pollock FE Jr. Idiopathic scoliosis: correction of lateral and rotational deformities using the Cotrel-Dubousset spinal instrumentation system. South Med J 1990 Feb;83(2):161-5.

Popovic D, Schwirtlich L, Kim Y, Spelman FA. Sensory feed-back in hybrid orthotic system. In: Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 11th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1989 Nov 9-12; Seattle, WA. Vol. 5. Piscataway (NJ): IEEE; 1989. p. 1475-6.

Popsuishapka AK. [The functional treatment of diaphyseal fractures of the femur]. Ortop Travmatol Protez 1989 Sep;(9):74-7. (Rus).

Popsuishapka AK, Pavlenko SI. [Functional treatment of diaphyseal fractures of the humerus using a polyvic orthosis]. Ortop Travmatol Protez 1989 Jun;(6):24-9. (Rus).

Pringle RG. Halo versus Minerva--which orthosis? Paraplegia 1990 Jun;28(5):281-4.

Product comparison and evaluation: canes, crutches, and walkers. Washington (DC): National Rehabilitation Hospital, Rehabilitation Engineering Center; 1990 Jun.

Product comparison and evaluation: scooters. Washington (DC): National Rehabilitation Hospital, Rehabilitation Engineering Center; 1991 Jun. 91 p.

Prokop LL. Upper-extremity rehabilitation: conditioning and orthotics for the athlete and performing artist. Hand Clin 1990 Aug;6(3): 517-24.

Regional Spinal Cord Injury Center of Delaware Valley. Halo vest orthosis: application & maintenance of the halo vest orthosis [videocassette]. United States: [publisher unknown]; 1991. 1 videocassette: 15 min., sound, color, 1/2 in

Rey B. [Non-drug and non-surgical measures in chronic polyarthritis]. Ther Umsch 1991 Sep; 48(9):624-31. (Ger).

Reyburn TV. The "Z" strap: harnessing modification for patients with upper extremity amputations. Arch Phys Med Rehabil 1991 Mar;72(3):250-2.

Rhodes VJ. Physical therapy management of patients with juvenile rheumatoid arthritis. Phys Ther 1991 Dec;71(12):910-9.

Ricks NR, Eilert RE. Effects of inhibitory casts and othoses on bony alignment of foot and ankle during weight-bearing in children with spasticity. Dev Med Child Neurol 1993 Jan;35(1):11-6.

Rogers JC, Holm MB. Assistive technology device use in patients with rheumatic disease: a literature review. Am J Occup Ther 1992 Feb;46(2):120-7.

Romero PW, Rice J. Clinical suggestions. Clinical use of the knee hyperextension block orthosis. Pediatr Phys Ther 1992 Winter;4(4):205-7.

Rose NE, Feiwell LA, Cracchiolo A 3d. A method for measuring foot pressures using a high resolution, computerized insole sensor: the effect of heel wedges on plantar pressure distribution and center of force. Foot Ankle 1992 Jun;13(5):263-70.

Rosen PB, McSwain NE Jr, Arata M, Stahl S, Mercer D. Comparison of two new immobilization collars. Ann Emerg Med 1992 Oct;21(10): 1189-95.

Ross BW, Krilov MA. A patellar-tendon-bearing orthosis used in pediatric burn rehabilitation. Arch Phys Med Rehabil 1992 Oct;73(10):950-2.

Rowed DW. Management of cervical spinal cord injury in ankylosing spondylitis: the intervertebral disc as a cause of cord compression. J Neurosurg 1992 Aug;77(2):241-6.

Ruttimann B. [Orthopedic technical and surgical measures in the diabetic foot]. Ther Umsch 1990 Jan;47(1):63-70. (Ger).

Ryan S, Belbin G, SLack M, Naumann S, Moran R. Development of a modular design, custom-fitted protective helmet. J Prosthet Orthot 1992 Jul; 4(4):213-8.

Sankey RJ, Anderson DM, Young JA. Characteristics of ankle-foot orthoses for management of the spastic lower limb. Dev Med Child Neurol 1989 Aug;31(4):466-70.

Schaars AH, Hendriksen H, Toornend JL, Zilvold G. Orthotic management of the lower extremity in cerebral palsy. Lower extremity orthoses in cerebral palsy. J Rehabil Sci 1990 Dec;3(4)::113-7.

Schaars AH, Postema K. Conservative treatment of foot deformities in Duchenne Muscular Dystrophy. J Rehabil Sci 1990 Jun;3(2):49-52.

Schepsis AA, Leach RE, Gorzyca J. Plantar fasciitis. Etiology, treatment, surgical results, and review of the literature. Clin Orthop 1991 May;(266):185-96.

Scherling E, Johnson H. A tone-reducing wrist--hand orthosis. Am J Occup Ther 1989 Sep;43(9): 609-11.

Schiltenwolf M, Carstens C, Bernd L. [Myelomeningocele--what can be done? Aids for evaluating rehabilitation from the orthopedic viewpoint]. Geburtshilfe Frauenheilkd 1992 Aug;52(8):449-53. (Ger).

Schiltenwolf M, Carstens C, Rohwedder J, Grundel E. Results of orthotic treatment in children with myelomeningocele. Eur J Pediatr Surg 1991 Dec; 1 Suppl 1:50-2.

Schindler A, Yaffe B, Chetrit A, Modan M, Engel J. Factors influencing elbow arthrolysis. Ann Chir Main Memb Super 1991;10(3):237-42.

Sears W, Fazl M. Prediction of stability of cervical spine fracture managed in the halo vest and indications for surgical intervention. J Neurosurg 1990 Mar;72(3):426-32.

Selby-Silverstein L, Hillstrom H, Palisano R, Hice G, Kugler F. Aberrant gait of children with Down syndrome and the efficacy of treatment with foot orthoses. In: Woollacott M, Horak F, eds. Posture and gait: control mechanisms. Proceedings of the 11th International Symposium of the Society for Postural and Gait Research; 1992; Portland, OR. Vol. 2. Portland (OR): University of Oregon; 1992. p. 427-30.

Seligman D, Burack E. A customized ankle foot positioning support. Can J Occup Ther 1989 Apr; 56(2):80-2.

Seror P. [Orthosis as treatment of ulnar nerve compression at the elbow. Preliminary results in 22 patients (letter)]. Presse Med 1991 Dec 14;20(43): 2214-5. (Fre).

Shewring DJ, Beaudet M, Carvell JE. Reversed dynamic slings: results of use in the treatment of post-traumatic flexion contractures of the elbow. Injury 1991 Sep;22(5):400-2.

Shirazi-Adl A. Finite element stress analysis of a push-out test. Part 1: Fixed interface using stress compatible elements. J Biomech Eng 1992 Feb; 114(1):111-8.

Simkin A, Leichter I, Giladi M, Stein M, Milgrom C. Combined effect of foot arch structure and an orthotic device on stress fractures. Foot Ankle 1989 Aug;10(1):25-9.

Slings (Part 2). Aust Fam Physician 1992 Dec;21(12): 1815.

Smith RM, Emans JB, Miller J. Fracture of the odontoid in a toddler. Injury 1992;23(5):352-3.

Solem OI, Reikeras O. [Treatment of chronic subacromial pain syndrome using a sling]. Tidsskr Nor Laegeforen 1991 May 10;111(12):1504-5. (Nor).

Solot JA, Winzelberg GG. Clinical and radiological evaluation of Vertebrace extrication collars. J Emerg Med 1990 Jan-Feb;8(1):79-83.

Staats TB, Kriechbaum MP. Computer aided design and computer aided manufacturing of foot orthoses. J Prosthet Orthot 1989 Apr;1(3):182-6.

Staheli LT. Lower positional deformity in infants and children: a review. J Pediatr Orthop 1990 Jul-Aug; 10(4):559-63.

Stanton RP. Scoliosis evaluation and management. Del Med J 1989 Dec;61(12):669-74.

Stern EB. Stability of the Jebsen-Taylor Hand Function Test across three test sessions. Am J Occup Ther 1992 Jul;46(7):647-9.

Stillo JV, Stein AB, Ragnarsson KT. Low back orthoses. Phys Med Rehabil Clin North Am 1992 Feb;3(1):57-94.

Subbarao JV. Walking after spinal cord injury. Goal or wish? West J Med 1991 May;154(5):612-4.

Sullivan BE, Rogers SL. Modified Bobath sling with distal support. Am J Occup Ther 1989 Jan;43(1): 47-9.

Sullivan MJL, Heisel B, Lemaire E, Martel G, Grinnell D. Utilization of orthotic devices in stroke patients: a comparison of out-reach and institution based services.'' Can J Rehabil 1990 Sep;4(1): 47-50.

Swain RA, Holt WS Jr. Ankle injuries. Tips from sports medicine physicians. Postgrad Med 1993 Feb 15;93(3):91-2, 97-100.

Swanson VM. Below-knee polyethylene semi-rigid dressing. J Prosthet Orthot 1993 Jan;5(1):10-5.

Swanson VM. Technical note: the anatomical above-knee suspension belt. J Prosthet Orthot 1992 Winter;4(2):119-24.

Tamura K. [Selection of containment treatment for Legg-Calvé-Perthes disease]. Nippon Seikeigeka Gakkai Zasshi 1991 Nov;65(11):1152-61. (Jpn).

Tax HR. Conservative treatment of flatfoot in the newborn. Clin Podiatr Med Surg 1989 Jul;6(3): 521-36.

Taylor SJ, Monahan LC, Abraham FJ. A headband for anterior head support. Am J Occup Ther 1989 Apr;43(4):261-2.

Taylor TL. Idiopathic flexible flatfoot in the adolescent. Clin Podiatr Med Surg 1989 Jul;6(3): 537-53.

Thevenon A, Dalinval P, Gania L, Dewailly P, Delcambre B. [Relief orthosis with sub-patellar support and Paget's disease]. Rev Rhum Mal Osteoartic 1990 Jul-Sep;57(7-8):553-5. (Fre).

Thomas SE, Mazur JM, Child ME, Supan TJ. Quantitative evaluation of AFO use with myelomeningocele children. Z Kinderchir 1989 Dec;44 Suppl 1:38-40.

Thompson JA, Jennings MB, Hodge W. Orthotic therapy in the management of osteoarthritis. J Am Podiatr Med Assoc 1992 Mar;82(3):136-9.

Tloka VA, Savitskii VT, Krat IA, Ziabchenko IS, Shvets VA. [Method of correction of spinal deformity in children during the growth period]. Klin Khir 1990;(6):66-7. (Rus).

Tonnis D. Ischemic necrosis as a complication of treatment of C.D.H. Acta Orthop Belg 1990; 56(1 Pt A):195-206.

Triggs KJ, Ballock RT, Byrne T, Garfin SR. Length dependence of a halo orthosis on cervical immobilization. J Spinal Disord 1993 Feb;6(1): 34-7.

Uellendahl J, Heckathorne CW, Krick H, Duff S, Patwardhan AG, Li S, Gavin T, Lorenz M, Meade KP, Logan GD, et al. Session 17: prosthetics and orthotics. In: Capitalizing on technology: proceedings of the RESNA 13th annual conference; 1990 Jun 15-20; Washington, DC. Washington (DC): RESNA Press; 1990. p. 167-76.

Uratani H. [Innovation in shampooing while using direct skull traction--with special reference to shampooing while fitted with a halo vest]. Kango Gijutsu 1989 Jun;35(9):1109-11. (Jpn).

Valiquette C, Robert G, Audet J. The lateral abductor device. J Prosthet Orthot 1992 Winter;4(2):109-18.

Viladot A. Surgical treatment of the child's flatfoot. Clin Orthop 1992 Oct;(283):34-8.

Vleeming A, Buyruk HM, Stoeckart R, Karamursel S, Snijders CJ. An integrated therapy for peripartum pelvic instability: a study of the biomechanical effects of pelvic belts. Am J Obstet Gynecol 1992 Apr;166(4):1243-7.

Walsh NE, Schwartz RK. The influence of prophylactic orthoses on abdominal strength and low back injury in the workplace. Am J Phys Med Rehabil 1990 Oct;69(5):245-50. Comment in: Am J Phys Med Rehabil 1991 Apr;70(2):111-2.

Waring WP, Maynard F, Grady W, Grady R, Boyles C. Influence of appropriate lower extremity orthotic management on ambulation, pain, and fatigue in a postpolio population. Arch Phys Med Rehabil 1989 May;70(5):371-5.

Wasson JH, Gall V, McDonald R, Liang MH. The prescription of assistive devices for the elderly: practical considerations. J Gen Intern Med 1990 Jan-Feb;5(1):46-54.

Waters RL, Tajyra HS, Adkins RH. Gait performance after spinal cord injury. Clin Orthop 1993 Mar;(288):87-96.

Waters RL, Yakura JS, Adkins R, Barnes G. Determinants of gait performance following spinal cord injury. Arch Phys Med Rehabil 1989 Nov;70(12):811-8.

Weber D. Clinical aspects of lower extremity orthotics. Oakville (ON): Published by Elgan Enterprises in conjunction with the Canadian Association of Prosthetists and Orthotists; 1990. 372 p.

Weber D. Use of the Hinged AFO for children with spastic cerebral palsy and midfoot instability. J Assoc Child Prosthet Orthot Clin 1991 Spring-1990 Winter;25(3-4):61-5.

Wenberg SJ. The term restraints is archaic [letter]. Am J Occup Ther 1991 Jan;45(1):86.

White FJ. Orthotics. In: Drennan JC, ed. Child's foot and ankle. New York: Raven Press; 1992. p. 71-96.

Whittle MW, Cochrane GM, Chase AP, Copping AV, Jefferson RJ, Staples DJ, Fenn PT, Thomas DC. A comparative trial of two walking systems for paralysed people. Paraplegia 1991 Feb;29(2):97-102.

Wientroub S, Khermosh O. A new orthosis for the management of clubfoot and other foot and leg deformities in infancy and early childhood. J Pediatr Orthop 1991 Jul-Aug;11(4):485-7.

Willner S. [Scoliosis--a review]. Nord Med 1990;105(3):82-5. (Swe).

Wolfe SA, Brueckmann FR. Conservative treatment of genu valgus and varum with medial/lateral heel wedges. Indiana Med 1991 Sep;84(9):614-5.

Wong AM, Tang FT, Wu SH, Chen CM. Clinical trial of a low-temperature plastic anterior ankle foot orthosis. Am J Phys Med Rehabil 1992 Feb;71(1):41-3.

Wood S, Clapham L, Pickard JD. Medico-legal collars--time for a consensus to agree to disagree [editorial]. Br J Neurosurg 1990;4(4):247-8.

Wooden MJ. Biomechanical evaluation for functional orthotics. In: Donatelli R, Wolf SL, eds. Biomechanics of the foot and ankle. Philadelphia: F.A. Davis; 1990. p. 131-47. (Contemprary perspectives in rehabilitation; vol. 3).

Wooten B, Uhl TL, Chandler J. Use of an orthotic device in the treatment of posterior heel pain. J Orthop Sports Phys Ther 1990 Mar;11(9):410-3.

Wright JG, Menelaus MB, Broughton NS, Shurtleff D. Natural history of knee contractures in myelomeningocele. J Pediatr Orthop 1991 Nov-Dec;11(6):725-30.

Wu KK. Foot orthoses: priniciples and clinical applications. Baltimore: Williams & Wilkins; 1990. 379 p.

Yale JF. The conservative treatment of adult flexible flatfoot. Clin Podiatr Med Surg 1989 Jul;6(3):555-60.

Yamamoto H, Okumura S, Morita S, Obata K, Furuya K. Surgical correction of foot deformities after stroke. Clin Orthop 1992 Sep;(282):213-8.

Yamamoto S, Ebina M, Iwasaki M, Kubo S, Kawai H, Kayashi T. Comparative study of mechanical characteristic of plastic AFOs. J Prosthet Orthot 1993 Apr;5(2):59-64.

Yawalkar S, Shah A, Ganapati R, Yan LB, Zhang GC, Chen H, Westmacott K, Osterwalder W. Modular grip-aids for leprosy patients. Int J Lepr Other Mycobact Dis 1992 Jun;60(2):250-4.

York J. Mobility methods selected for use in home and community environments. Phys Ther 1989 Sep;69(9):736-47.

Zambelli PY, Dutoit M, Genton N. [Dorso-lumbar spinal compression fractures in the child. Follow-up at the termination of development]. Helv Chir Acta 1991 Jul;58(1-2):119-22. (Fre).

Zander CL, Healy NL. Elbow flexion contractures treated with serial casts and conservative therapy. J Hand Surg [Am] 1992 Jul;17(4):694-7.

Zwipp H, Schievink B. Primary orthotic treatment of ruptured ankle ligaments: a recommended procedure. Prosthet Orthot Int 1992 Apr;16(1): 49-56.

DESIGN & MATERIALS

Antia NH. Plastic footwear for leprosy. Lepr Rev 1990 Mar;61(1):73-8.

Baiges IJ, Rosen MJ. Development of a whole-arm orthosis for tremor suppression. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 290-1.

Banzinger E. Technical note: thermoplastic Klenzak AFO. J Prosthet Orthot 1992 Jul;4(4):219-22.

Benzel EC, Larson SJ. Postoperative stabilization of the posttraumatic thoracic and lumbar spine: a review of concepts and orthotic techniques. J Spinal Disord 1989 Mar;2(1):47-51.

Bierling-Sorensen F, Ryde H, Bojsen-Moller F, Lyquist E. Shock absorbing material on the shoes of long leg braces for paraplegic walking. Prosthet Orthot Int 1990 Apr;14(1):27-32.

Blake RL, Ferguson H. Extrinsic rearfoot posts. J Am Podiatr Med Assoc 1992 Apr;82(4):202-7.

Breger-Lee DE, Buford WL Jr. Update in splinting materials and methods. Hand Clin 1991 Aug;7(3): 569-85.

Brienza DM, Brubaker CE, McLaurin CA, Chun KC. A manufacturing system for contoured foam cushions. J Rehabil Res Dev 1992 Fall;29(4): 32-40.

Carrico F. Rapid anthropometry for cad/cam design in prosthetics and orthotics. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 157-8.

Chase AP, Bader DL, Houghton GR. The biomechanical effectiveness of the Boston brace in the management of adolescent idiopathic scoliosis. Spine 1989 Jun;14(6):636-42.

Cunliffe MW. An adjustable thermoplastic knee brace, directly moulded and colour coordinated. Br J Occup Ther 1992 Nov;55(11):430-4.

Derbyshire B, Platts RG. A shapeable foot-pressure measuring device. J Biomed Eng 1989 May;11(3): 258-64.

Egan JM. An aid for the management of shoulder pain in hemiplegia. Br J Occup Ther 1990 Sep;53(9):362-4.

Elschner H, Kleditzsch J, Schulze KJ, Stenzel R. The posture training device. Function and first tests. Z Physiother 1990;42(2):105-8.

Engen T. Lightweight modular orthosis. Prosthet Orthot Int 1989 Dec;13(3):125-9.

Golay W, Lunsford T, Lunsford BR, Greenfield J. The effect of malleolar prominence on polypropylene afo rigidity and buckling. J Prosthet Orthot 1989 Jul;1(4):231-41.

Granata C, De Lollis A, Campo G, Piancastelli L, Merlini L. Analysis, design and development of a carbon fibre reinforced plastic knee-ankle-foot orthosis prototype for myopathic patients. Proc Inst Mech Eng [H] 1990;204(2):91-6.

Hale S. Carbon fiber articulated AFO - an alternative design. J Prosthet Orthot 1989 Jul;1(4):191-8.

Kudriavtsev VA, Rozhkov AV, Ogorodnikov VI. [Insertable orthopedic devices in the treatment of flatness of the anterior section of the foot and valgus deviation of the great toe]. Ortop Travmatol Protez 1990 Sep;(9):9-11. (Rus).

Lehmann JF, De Lateur BJ, Price R. Weight bearing and other orthoses for skeletal and joint insufficiency. Phys Med Rehabil Clin North Am 1992 Feb;3(1):185-92.

Limbird TJ, Stills M, Elliott D, Wharton G. Lower extremity telescopic orthosis for immediate fitting in paraplegia. Orthopedics 1989 Jun;12(6):851-4.

Lohman M, Goldstein H. Alternative strategies in tone reducing AFO design. J Prosthet Orthot 1993 Jan; 5(1):1-4.

Lord M, Foulston J. Clinical trial of a computer-aided system for orthopaedic shoe upper design. Prosthet Orthot Int 1991 Apr;15(1):11-7.

Lyles M, Munday J. Report on the evaluation of the Vannini-Rizzoli Stabilizing Limb Orthosis. J Rehabil Res Dev 1992 Spring;29(2):77-104.

McAdam WH. Productivity improvement through the use of a three-dimensional digitizer in the production of personal customized orthotic accessories [masters thesis]. Winnipeg (Canada): University of Manitoba; 1989. 155 p.

McAllister DF, Carver D, Devarajan R, Harrison L, Pietenpol JL, Yang SH. An interactive computer graphics system for the design of molded and orthopedic shoe lasts. J Rehabil Res Dev 1991 Fall;28(4):39-46.

McPoil TG, Cornwall MW. Rigid versus soft foot orthoses. A single subject design. J Am Podiatr Med Assoc 1991 Dec;81(12):638-42.

Meyer PE, Petersen D. [Compensation in leg length inequality with orthopedic shoe measures]. Orthopade 1992 Jun;21(3):174-83. (Ger).

Michael JW. Reflections on cad/cam in prosthetics and orthotics. J Prosthet Orthot 1989 Apr;1(3): 116-21.

Nagata H, Onomura T, Tominaga A, Kawamura I. Orthoses of ventilative plastics. Prosthet Orthot Int 1991 Dec;15(3):175-7.

Nene AV, Patrick JH. Energy cost of paraplegic locomotion using the ParaWalker--electrical stimulation "hybrid" orthosis. Arch Phys Med Rehabil 1990 Feb;71(2):116-20.

Novick A, Birke JA, Hoard AS, Brasseaux DM, Broussard JB, Hawkins ES. Rigid orthoses for the insensitive foot: the rigid-relief orthosis. J Prosthet Orthot 1991 Fall;4(1):31-40.

Palamarchuk HJ, Fry J. In-shoe casting technique for specialized sports shoes. J Am Podiatr Med Assoc 1989 Sep;79(9):462-5.

Penn ND. Callipers. BMJ 1991 Feb 16;302(6773): 402-3.

Product comparison and evaluation: scooters. Washington (DC): National Rehabilitation Hospital, Rehabilitation Engineering Center; 1991 Jun. 91 p.

Regalbuto MA, Rovick JS, Walker PS. The forces in a knee brace as a function of hinge design and placement. Am J Sports Med 1989 Jul-Aug;17(4): 535-43.

Rome K. A study of the properties of materials used in podiatry. J Am Podiatr Med Assoc 1991 Feb; 81(2):73-83.

Ryan S, Belbin G, SLack M, Naumann S, Moran R. Development of a modular design, custom-fitted protective helmet. J Prosthet Orthot 1992 Jul; 4(4):213-8.

Sanchez Zaplana I, Zaragoza Arnau M. [The Braun and Braun-Bohler splints]. Rev Enferm 1990 Mar; 13(139):69-71, 73-4. (Spa).

Saunders CG, Bannon M, Sabiston RM, Panych L, Jenks SL, Wood IR, Raschke S. The canfit system: shape management technology for prosthetic and orthotic applications. J Prosthet Orthot 1989 Apr;1(3):122-30.

Scarnati F. Technical note: the use of the step-lock knee joints in management of wrist flexion contractures. J Prosthet Orthot 1989 Jan;1(2):82-5.

Schutt AH. Upper extremity and hand orthotics. Phys Med Rehabil Clin North Am 1992 Feb;3(1):223-41.

Shirazi-Adl A. Finite element stress analysis of a push-out test. Part 1: Fixed interface using stress compatible elements. J Biomech Eng 1992 Feb; 114(1):111-8.

Staats TB, Kriechbaum MP. Computer aided design and computer aided manufacturing of foot orthoses. J Prosthet Orthot 1989 Apr;1(3):182-6.

Vossberg A. The choice of prosthetic and orthotic technique for less developed countries: analysis and perspectives in Colombia. Prosthet Orthot Int 1988 Aug;12(2):96-100.

White M, Hammer G. SDIO technology transfer: lightweight composite brace. In: Technology for the next decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 200-1.

Yamamoto S, Ebina M, Iwasaki M, Kubo S, Kawai H, Kayashi T. Comparative study of mechanical characteristic of plastic AFOs. J Prosthet Orthot 1993 Apr;5(2):59-64.

Zagorski JB, Zych GA, Latta LL, Finnieston AR. Orthotic design and application for functional treatment of tibial shaft fractures. J Prosthet Orthot 1992 Apr;4(3):126-41.

USES

Geriatric Applications

Hanger HC, Mulley GP. A survey of lower leg braces worn by the over-60s. Clin Rehabil 1991 May; 5(2):95-101.

Hogan-Budris J. Choosing foot materials for the elderly. Top Geriatr Rehabil 1992 Mar;7(3):49-61.

Lauritzen JB, Petersen MM, Lund B. Effect of external hip protectors on hip fractures. Lancet 1993 Jan 2;341(8836):11-3.

Wasson JH, Gall V, McDonald R, Liang MH. The prescription of assistive devices for the elderly: practical considerations. J Gen Intern Med 1990 Jan-Feb;5(1):46-54.

Pediatric Applications

Abstracts from the Scientific Program presented ant the Annual Meeting of the Association of Children's Prosthetic-Orthotic Clinics at Blythedale Children's Hospital, Valhalla, New York, June 7-9, 1990. J Assoc Child Prosthet Orthot Clin 1990 Fall;25(2): 26-47.

Abstracts from the Scientific Program presented and the Annual Meeting of the Association of Children's Prosthetic-Orthotic Clinics at St. Louis, Missouri on June 10-13, 1992. J Assoc Child Prosthet Orthot Clin 1992 Fall;27(2):1-68.

Abstracts from the scientific program presented at the annual meeting of the Association of Children's Prosthetic-Orthotic Clinics at Shriner's Hospital for Crippld Children- Portland, Oregon- May 1-4, 1991. J Assoc Child Prosthet Orthot Clin 1991 Summer;26(1):1-41.

Abstracts from the Scientific Program presented at the 1989 Annual Meeting. J Assoc Child Prosthet Orthot Clin 1989 Summer-Autumn;14(2-3):26-39.

American Academy of Pediatrics Committee on Sports Medicine. Knee brace use by athletes. Pediatrics 1990 Feb;85(2):228.

Aron M. The use and effectiveness of elbow splints in the Rett syndrome. Brain Dev 1990;12(1):162-3.

Arzhannikova EE, Shikhmagomedov AA. [Providing orthotic devices to children with diseases of the ankle joint]. Ortop Travmatol Protez 1990 Feb;(2):55-6. (Rus).

Banziger E, et al. Dynamic dorsiflexion assist polypropylene ankle foot orthosis. J Assoc Child Prosthet Orthot Clin 1991 Fall;26(2):65-8.

Berenter R, Morris J, Yee B. Bilateral congenital absence of the fibula. J Am Podiatr Med Assoc 1990 Jun;80(6):325-8.

Brodke DS, Skinner SR, Lamoreux LW, Johanson ME, St. Helen R, Moran SA, Ashley RK. Effects of ankle-foot orthoses on the gait of children. J Pediatr Orthop 1989 Nov-Dec;9(6):702-8.

Butler C. Augmentative mobility: why do it? Phys Med Rehabil Clin North Am 1991 Nov;2(4): 801-15.

Caselli MA, Cohen-Sobel E, Thompson J, Adler J, Gonzalez L. Biomechanical management of children and adolescents with Down syndrome. J Am Podiatr Med Assoc 1991 Mar;81(3):119-27.

Cheng JC, Cheung SS. Modified functional bracing in the ambulatory treatment of femoral shaft fractures in children. J Pediatr Orthop 1989 Jul-Aug;9(4): 457-62.

De Korvin G, Pialoux B, Allainmat T, Michelin F, Morvan MF, Bracq H. The contribution of orthotic devices and technical aids to locomotor development in a group of 29 children with various mental and physical disabilities. Ann Readapt Med Phys 1989 Dec;32(6):743-65.

Elschner H, Kleditzsch J, Schulze KJ, Stenzel R. The posture training device. Function and first tests. Z Physiother 1990;42(2):105-8.

Evans DL, Bethem D. Cervical spine injuries in children. J Pediatr Orthop 1989 Sep-Oct;9(5): 563-8.

Fernandez-Palazzi F, de Gutierrez DP, Paladino R. The care of the limb deficient child in Venezuela. Prosthet Orthot Int 1991 Aug;15(2):156-9.

Gould N, Moreland M, Alvarez R, Trevino S, Fenwick J. Development of the child's arch. Foot Ankle 1989 Apr;9(5):241-5.

Green EM, Nelham RL. Development of sitting ability, assessment of children with a motor handicap and prescription of appropriate seating systems. Prosthet Orthot Int 1991 Dec;15(3): 203-16.

Haje SA, Bowen JR. Preliminary results of orthotic treatment of pectus deformities in children and adolescents. J Pediatr Orthop 1992 Nov-Dec; 12(6):795-800.

Heckmatt J, Rodillo E, Dubowitz V. Management of children: pharmacological and physical. Br Med Bull 1989 Jul;45(3):788-801.

Heinrich SD, Sharps CH. Lower extremity torsional deformities in children: a prospective comparison of two treatment modalities. Orthopedics 1991 Jun; 14(6):655-9.

Hirons RR, Williams KB, Amor RF, Day HJ. The prosthetic treatment of lower limb deficiency. Prosthet Orthot Int 1991 Aug;15(2):112-6.

Holt KS. Mobility aids and appliances for disabled children. BMJ 1991 Jan 12;302(6768):105-7.

Johnston CE 2d. Infantile tibia vara. Clin Orthop 1990 Jun;(255):13-23.

Kamil NI, Correia AM. A dynamic elbow flexion splint for an infant with arthrogryposis. Am J Occup Ther 1990 May;44(5):460-1.

Kurtz LA, Scull SA. Rehabilitation for developmental disabilities. Pediatr Clin North Am 1993 Jun;40(3): 629-43.

Massagli TL. Spasticity and its management in children. Phys Med Rehabil Clin North Am 1991 Nov;2(4):867-89.

Michael J. Pediatric prosthetics and orthotics. In: Hedman G, ed. Rehabilitation technology. Binghamton (NY): Haworth Press; 1990. p. 123-46.

Michael J. Pediatric prosthetics and orthotics. Phys Occup Ther Pediatr 1990;10(2):123-46.

Miller EA, Hergenroeder AC. Prophylactic ankle bracing. Pediatr Clin North Am 1990 Oct;37(5): 1175-85.

Milner M, Naumann S, Literowich W, Martin M, Ryan S, Sauter WF, Shein GF, Verburg G. Rehabilitation engineering in pediatrics. Pediatrician 1990;17(4):287-96.

Moore P, Major R, Stallard J, Butler PB. Contracture correction device for arthrogryposis. Physiotherapy 1990 May;76(5):303-5.

Mubarak SJ, Camp JF, Vuletich W, Wenger DR, Garfin SR. Halo application in the infant. J Pediatr Orthop 1989 Sep-Oct;9(5):612-4.

Naganuma GM, Billingsley FF. The use of hand splints with the neurologically involved child. Crit Rev Phys Rehabil Med 1990;2(2):87-100.

Novotny M, Swagman A. Caring for children with orthotic/prosthetic needs. J Prosthet Orthot 1992 Jul;4(4):191-5.

Oglesby DG Jr, Tablada C. Lower limb deficiencies: prosthetic and orthotic management. In: Bowker JH, Michael JW, eds. Atlas of limb prosthetics: surgical, prosthetic, and rehabilitation principles. St. Louis: Mosby Year Book; 1992. p. 835-8.

Osterhout BM. Postoperative splinting of the pediatric upper extremity. Hand Clin 1990 Nov;6(4):693-5.

Proper seating: a key to participation. Except Parent 1989 Mar;19(2):46-9.

Reid DT. A survey of Canadian occupational therapists' use of hand splints for children with neuromuscular dysfunction. Can J Occup Ther 1992 Apr;59(1):16-27.

Requa RK, Garrick JG. A review of the use of prophylactic knee braces in football. Pediatr Clin North Am 1990 Oct;37(5):1165-73.

Ricks NR, Eilert RE. Effects of inhibitory casts and othoses on bony alignment of foot and ankle during weight-bearing in children with spasticity. Dev Med Child Neurol 1993 Jan;35(1):11-6.

Rine RR, Ward J, Lindeblad S, Blaker K, Higbie-Smith T, Verdin A, Gropper M. Comparison of the effects of ankle-foot orthoses on gait and standing posture in children with lower extremity spasticity. In: Woollacott M, Horak F, eds. Posture and gait: control mechanisms, 1992. Proceedings of the 11th International Symposium of the Society for Postural and Gait Research; 1992; Portland, OR. Vol. 2. Portland (OR): University of Oregon; 1992. p. 415-8.

Romero PW, Rice J. Clinical suggestions. Clinical use of the knee hyperextension block orthosis. Pediatr Phys Ther 1992 Winter;4(4):205-7.

Ryan KD, Ploski C, Emans JB. Myelodysplasia the musculoskeletal problem: habilitation from infancy to adulthood. Phys Ther 1991 Dec;71(12):935-46.

Sakamoto H. [Cap brace: a new treatment for newborn and infant congenital muscular torticollis]. Nippon Seikeigeka Gakkai Zasshi 1992 Nov;66(11): 1123-36. (Jpn).

Schaming D, Gorry M, Soroka K, Catullo ME. When babies are born with orthopedic problems. RN 1990 Apr;53(4):62-7.

Scrutton D. The causes of developmental deformity and their implication for seating. Prosthet Orthot Int 1991 Dec;15(3):199-202.

Staheli LT. Lower positional deformity in infants and children: a review. J Pediatr Orthop 1990 Jul-Aug;10(4):559-63.

Stout JD, Bandy P, Feller N, Stroup KB, Bull MJ. Transportation resources for pediatric orthopaedic clients. Orthop Nurs 1992 Jul-Aug;11(4):26-30.

Stuberg WA. Considerations related to weight-bearing programs in children with developmental disabilities. Phys Ther 1992 Jan;72(1):35-40.

Thornett CE. Designing special switches and control systems for multiply handicapped young people--a problem-led approach. J Med Eng Technol 1990 May-Jun;14(3):87-91.

Thornett CEE. Mobility for very young handicapped children. In: IEE Colloquim of High-Tech Help for the Handicapped; 1990 Apr 2; London. London: IEE; 1990. p. 46.

Ullman BC, Brncic M. Orthotic and pedorthotic management of the diabetic foot. In: Sammarco GJ, ed. The foot in diabetes. Malvern (PA): Lea & Febiger: 1991. p. 207-24.

White FJ. Orthotics. In: Drennan JC, ed. Child's foot and ankle. New York: Raven Press; 1992. p. 71-96.

Sports & Recreation

-Prevention

Abou-Hanna JJ, Okamura K, Tayyari F. Preloading of the knee joint by prophylactic braces. Soma Eng Hum Body 1989;3(4):25-35.

American Academy of Orthopaedic Surgeons. Athletic training and sports medicine. 2nd ed. Park Ridge (IL): The Academy; 1991. Taping, bandaging, orthotics. p. 647-704.

American Academy of Pediatrics Committee on Sports Medicine. Knee brace use by athletes. Pediatrics 1990 Feb;85(2):228.

Anderson JC, Sockler JM. Effects of orthoses on selected physiologic parameters in cycling. J Am Podiatr Med Assoc 1990 Mar;80(3):161-6.

Anderson K, Wojtys EM, Loubert PV, Miller RE. A biomechanical evaluation of taping and bracing in reducing knee joint translation and rotation. Am J Sports Med 1992 Jul-Aug;20(4):416-21.

Anderson MA, Rutt RA. The effects of counterforce bracing on forearm and wrist muscle function. J Orthop Sports Phys Ther 1992 Feb;15(2):87-91.

Ator R, Gunn K, McPoil TG, Knecht HG. The effect of adhesive strapping on medial longitudinal arch support before and after exercise. J Orthop Sports Phys Ther 1991 Jul;14(1):18-23.

Baker BE. Prevention of ligament injuries to the knee. Exerc Sport Sci Rev 1990;18:291-305.

Baker BE, VanHanswyk E, Bogosian SP, Werner FW, Murphy D. The effect of knee braces on lateral impact loading of the knee. Am J Sports Med 1989 Mar-Apr;17(2):182-6.

Baycroft CM. Foot orthotics and musculoskeletal function. J Man Med 1990;5(1):22-4.

Beynnon BD, Renstrom PA. The effect of bracing and taping in sports. Ann Chir Gynaecol 1991;80(2):230-8.

Blake RL, Ferguson H. Foot orthosis for the severe flatfoot in sports. J Am Podiatr Med Assoc 1991 Oct;81(10):549-55.

Brown TD, Van Hoeck JE, Brand RA. Laboratory evaluation of prophylactic knee brace performance under dynamic valgus loading using a surrogate leg model. Clin Sports Med 1990 Oct;9(4):751-62.

Bruns J, Staerk H. Mechanical ankle stabilisation due to the use of orthotic devices and peroneal muscle strength. An experimental investigation. Int J Sports Med 1992 Nov;13(8):611-5.

Burks RT, Bean BG, Marcus R, Barker HB. Analysis of athletic performance with prophylactic ankle devices. Am J Sports Med 1991 Mar-Apr;19(2):104-6.

Burns MJ. Useful considerations for orthotic control. Am Acad Podiatr Sports Med Newsl 1989 Jan:8.

Carlson JM, French J. Knee orthoses for valgus protection. Experiments on 11 designs with related analyses of orthosis length and rigidity. Clin Orthop 1989 Oct;(247):175-92.

Chandler TJ, Kibler WB. A biomechanical approach to the prevention, treatment and rehabilitation of plantar fasciitis. Sports Med 1993 May;15(5):344-52.

Cowart VS. Bracing those knees: how effective? [news]. JAMA 1990 Jan 12;263(2):201.

Daley BJ, Ralston JL, Brown TD, Brand RA. A parametric design evaluation of lateral prophylactic knee braces. J Biomech Eng 1993 May;115(2):131-6.

D'Ambrosia RD. Orthotic devices for running. Audio Dig Orthop [audiocassette] 1991 Nov;14(11):Side B [presentation 2, 18 min.]. Accompanied by: 1 guide.

Devita P, Hunter PB, Skelly WA. Effects of a functional knee brace on the biomechanics of running. Med Sci Sports Exerc 1992 Jul;24(7):797-806.

Drez D Jr. Knee braces. Video J Orthop Surg [videocassette] 1989;3(5 Pt 2):[presentation 2, 23 min.]. 1 videocassette: sound, color, 1/2 in.

Ellis J. Selection and use of orthotic devices. Sports Med Dig 1992 Jan;14(1):1-2.

Erickson AR, Yasuda K, Beynnon B, Johnson R, Pope M. An in vitro dynamic evaluation of prophylactic knee braces during lateral impact loading. Am J Sports Med 1993 Jan-Feb;21(1):26-35.

Feuerbach JW, Grabiner MD. Effect of the aircast on unilateral postural control: amplitude and frequency variables. J Orthop Sports Phys Ther 1993 Mar;17(3):149-54.

Greene TA, Hillman SK. Comparison of support provided by a semirigid orthosis and adhesive ankle taping before, during, and after exercise. Am J Sports Med 1990 Sep-Oct;18(5):498-506.

Greene TA, Wight CR. A comparative support evaluation of three ankle orthoses before, during, and after exercise. J Orthop Sports Phys Ther 1990 Apr;11(10):453-66.

Gross ML, Davlin LB, Evanski PM. Effectiveness of orthotic shoe inserts in the long-distance runner. Am J Sports Med 1991 Jul-Aug;19(4):409-12.

Gross MT, Ballard CL, Mears HG, Watkins EJ. Comparison of DonJoy Ankle Ligament Protector and Aircast Sport Stirrup orthoses in restricting foot and ankle motion before and after exercise. J Orthop Sports Phys Ther 1992 Aug;16(2):60-7.

Harding WG 3d. Use and misuse of the tennis elbow strap. Physician Sportsmed 1992 Aug;20(8):65-8, 71-2, 74.

Highgenboten CL, Jackson A, Meske N, Smith J. The effects of knee brace wear on perceptual and metabolic variables during horizontal treadmill running. Am J Sports Med 1991 Nov-Dec;19(6): 639-43.

Hintermann B. [Shoe supports and corrective shoes in performance athletes--a 3-year study in young cross-country skiers]. Schweiz Rundsch Med Prax 1992 Mar 24;81(13):389-94. (Ger).

Joganich TG. Influence of in-shoe orthotics on lower extremity function in cycling [dissertation on microfiche]. Tempe (AZ): Arizona State University; 1991. 2 microfiche.

Johnston JM, Paulos LE. Prophylactic lateral knee braces. Med Sci Sports Exerc 1991 Jul;23(7): 783-7.

Johnstone KS, Perrin JCS. Sports for the handicapped child. Phys Med Rehabil 1991 Jun;5(2):331-50.

Jones DC. Foot orthoses. Instr Course Lect 1993;42: 219-24.

Knee bracing. Clin Sports Med 1990 Oct;9(4):731-869.

Lewis G, Tan T, Shiue YS. Characterization of the performance of shoe insert materials. J Am Podiatr Med Assoc 1991 Aug;81(8):418-24.

Martin N. The comparative effectiveness of ankle prophylactic devices in limiting inversion before and after vigorous exercise [masters thesis]. San Jose (CA): San Jose State University; 1991. 74 p.

McCaw ST. Leg length inequality. Implications for running injury prevention. Sports Med 1992 Dec; 14(6):422-9.

McPoil TG, Cornwall MW. Rigid versus soft foot orthoses. A single subject design. J Am Podiatr Med Assoc 1991 Dec;81(12):638-42.

Miller CD, Paulos LE, Parker RD, Fishell M. The ballet technique shoe: a preliminary study of eleven differently modified ballet technique shoes using force and pressure plates. Foot Ankle 1990 Oct; 11(2):97-100.

Miller EA, Hergenroeder AC. Prophylactic ankle bracing. Pediatr Clin North Am 1990 Oct;37(5): 1175-85.

Montgomery DL, Koziris PL. The knee brace controversy. Sports Med 1989 Nov;8(5):260-72.

Nesbitt L. A practical guide to prescribing orthoses. Physician Sportsmed 1992 May;20(5):76-8, 83-7.

Novick A, Kelley DL. Position and movement changes of the foot with orthotic intervention during the loading response of gait. J Orthop Sport Phys Ther 1990;11(7):301-12.

Palamarchuk HJ, Fry J. In-shoe casting technique for specialized sports shoes. J Am Podiatr Med Assoc 1989 Sep;79(9):462-5.

Pieper B, Rodammer G, Gradinger R. [The value of knee joint orthoses in performance sports]. Fortschr Med 1989 Feb 28;107(6):150-2. (Ger).

Press JM, Wiesner SL. Prevention: conditioning and orthotics. Hand Clin 1990 Aug;6(3):383-92.

Regalbuto MA, Rovick JS, Walker PS. The forces in a knee brace as a function of hinge design and placement. Am J Sports Med 1989 Jul-Aug;17(4): 535-43.

Requa RK, Garrick JG. Clinical significance and evaluation of prophylactic knee brace studies in football. Clin Sports Med 1990 Oct;9(4):853-69.

Requa RK, Garrick JG. A review of the use of prophylactic knee braces in football. Pediatr Clin North Am 1990 Oct;37(5):1165-73.

Riegler HF. Orthotic devices in winter sports. In: Casey MJ, Foster C, Hixson EG, eds. Winter sports medicine. Philadelphia: F.A. Davis; 1990. p. 56-65. (Contemporary exercise and sports medicine; vol. 3).

Rovere GD, Curl WW, Browning DG. Bracing and taping in an office sports medicine practice. Clin Sports Med 1989 Jul;8(3):497-515.

Santoro JP, Cachia VV, Tilley GE, Cartwright D, Grumbine NA. Effect of the orthosis on performance in alpine skiing. A preliminary report. J Am Podiatr Med Assoc 1989 Feb;79(2):93-9.

Sforzo GA, Chen NM, Gold CA, Frye PA. The effect of prophylactic knee bracing on performance. Med Sci Sports Exerc 1989 Jun;21(3):254-7.

Sitler M, Ryan J, Hopkinson W, Wheeler J, Santomier J, Kolb R, Polley D. The efficacy of a prophylactic knee brace to reduce knee injuries in football. A prospective, randomized study at West Point. Am J Sports Med 1990 May-Jun;18(3): 310-5.

Tegner Y, Lorentzon R. Evaluation of knee braces in Swedish ice hockey players. Br J Sports Med 1991 Sep;25(3):159-61.

Veldhuizen JW, Koene FM, Oostvogel HJ, von Thiel TP, Verstappen FT. The effects of a supportive knee brace on leg performance in healthy subjects. Int J Sports Med 1991 Dec;12(6):577-80.

Wallace LA, Kaumeyer GW. Immobility: lower extremity appliances and pads. In: Gould JA 3d, ed. Orthopaedic and sports physical therapy. 2nd ed. St. Louis: Mosby; 1990. p. 253-64.

-Rehabilitation

Arvidson EB, Micheli LJ. Spine and trunk problems in athletes. Curr Opin Orthop 1990 Dec;1(3): 361-4.

Bailes JE, Hadley MN, Quigley MR, Sonntag VK, Cerullo LJ. Management of athletic injuries of the cervical spine and spinal cord. Neurosurgery 1991 Oct;29(4):491-7.

Baitch SP, Blake RL, Fineagan PL, Senatore J. Biomechanical analysis of running with 25 degrees inverted orthotic devices. J Am Podiatr Med Assoc 1991 Dec;81(12):647-52.

Barringer WJ. Principles of orthotic management of athletic injury. In: Grana WA, Kalenak A, eds. Clinical sports medicine. Philadelphia: Saunders; 1991. p. 315-25.

Blake RL. Athletic injuries: orthoses versus surgery. In: Jay RM, ed. Current therapy in podiatric surgery. Philadelphia: Decker; 1989. p. 296-301.

Branch TP, Hunter R, Donath M. Dynamic EMG analysis of anterior cruciate deficient legs with and without bracing during cutting. Am J Sports Med 1989 Jan-Feb;17(1):35-41.

Carne P. Nonsurgical treatment of ankle sprains using the modified Sarmiento brace. Am J Sports Med 1989 Mar-Apr;17(2):253-7.

Carter TR, Fowler PJ, Blokker C. Functional postoperative treatment of Achilles tendon repair. Am J Sports Med 1992 Jul-Aug;20(4):459-62.

Cawley PW. Postoperative knee bracing. Clin Sports Med 1990 Oct;9(4):763-70.

Cawley PW, France EP, Paulos LE. Comparison of rehabilitative knee braces. A biomechanical investigation. Am J Sports Med 1989 Mar-Apr; 17(2):141-6.

Cawley PW, France EP, Paulos LE. The current state of functional knee bracing research. A review of the literature. Am J Sports Med 1991 May-Jun;19(3):226-33.

Cherf J, Paulos LE. Bracing for patellar instability. Clin Sports Med 1990 Oct;9(4):813-21.

Elattrache N, Fadale PD, Fu FH. Thoracic spine fracture in a football player. A case report. Am J Sports Med 1993 Jan-Feb;21(1):157-60.

Ellis J. Selection and use of orthotic devices. Sports Med Dig 1992 Jan;14(1):1-2.

Gross ML, Napoli RC. Treatment of lower extremity injuries with orthotic shoe inserts. An overview. Sports Med 1993 Jan;15(1):66-70.

Hart DL. Spinal immobility: braces and corsets. In: Gould JA 3d, ed. Orthopaedic and sports physical therapy. 2nd ed. St. Louis: Mosby; 1990. p. 265-89.

Hintermann B. [Shoe supports and corrective shoes in performance athletes--a 3-year study in young cross-country skiers]. Schweiz Rundsch Med Prax 1992 Mar 24;81(13):389-94. (Ger).

Kannus VP. Evaluation of abnormal biomechanics of the foot and ankle in athletes. Br J Sports Med 1992 Jun;26(2):83-9.

Knee bracing. Clin Sports Med 1990 Oct;9(4):731-869.

Lane SE. Severe ankle sprains: treatment with an ankle foot orthosis. Physician Sportsmed 1990 Nov;18(11):43-4, 46-51.

Nesbitt L. A practical guide to prescribing orthoses. Physician Sportsmed 1992 May;20(5):76-8, 83-7.

Nuber GW. Biomechanics of the foot and ankle during gait. Clin Podiatr Med Surg 1989 Jul;6(3): 615-27.

Pieper B, Rodammer G, Gradinger R. [The value of knee joint orthoses in performance sports]. Fortschr Med 1989 Feb 28;107(6):150-2. (Ger).

Prokop LL. Upper-extremity rehabilitation: conditioning and orthotics for the athlete and performing artist. Hand Clin 1990 Aug;6(3): 517-24.

Riegler HF. Orthotic devices in winter sports. In: Casey MJ, Foster C, Hixson EG, eds. Winter sports medicine. Philadelphia: F.A. Davis; 1990. p. 56-65. (Contemporary exercise and sports medicine; vol. 3).

Santoro JP, Cachia VV, Tilley GE, Cartwright D, Grumbine NA. Effect of the orthosis on performance in alpine skiing. A preliminary report. J Am Podiatr Med Assoc 1989 Feb;79(2):93-9.

Scheuffelen C, Rapp W, Gollhofer A, Lohrer H. Orthotic devices in functional treatment of ankle sprain. Stabilizing effects during real movements. Int J Sports Med 1993 Apr;14(3):140-9.

Snyder-Mackler L, Epler M. Effect of standard and Aircast tennis elbow bands on integrated electromyography of forearm extensor musculature proximal to the bands. Am J Sports Med 1989 Mar-Apr;17(2):278-81.

Swain RA, Holt WS Jr. Ankle injuries. Tips from sports medicine physicians. Postgrad Med 1993 Feb 15;93(3):91-2, 97-100.

Vailas JC, Pink M. Biomechanical effects of functional knee bracing. Practical implications. Sports Med 1993 Mar;15(3):210-8.

Wallace LA, Kaumeyer GW. Immobility: lower extremity appliances and pads. In: Gould JA 3d, ed. Orthopaedic and sports physical therapy. 2nd ed. St. Louis: Mosby; 1990. p. 253-64.

Warren BL. Plantar fasciitis in runners. Treatment and prevention. Sports Med 1990 Nov;10(5):338-45.

Wooten B, Uhl TL, Chandler J. Use of an orthotic device in the treatment of posterior heel pain. J Orthop Sports Phys Ther 1990 Mar;11(9):410-3.

Zachazewski JE, Geissler G. When to prescribe a knee brace. Physician Sportsmed 1992 Nov;20(11): 91-6, 99.

Biomechanics & Gait

Andres RO, Stimmel SK. Prosthetic alignment effects on gait symmetry: A case study. Clin Biomech 1990;5(2):88-96.

Annesley AL, Almada-Norfleet M, Arnall DA, Cornwall MW. Energy expenditure of ambulation using the Sure-Gait crutch and the standard axillary crutch. Phys Ther 1990 Jan;70(1):18-23.

Ashley RK, Vallier GT, Skinner SR. Gait analysis in pediatric lower extremity amputees. Orthop Rev 1992 Jun;21(6):745-9.

Bahler A. Fundamental biomechanical principles in the orthotic treatment of the knee. J Prosthet Orthot 1992 Apr;4(3):157-65.

Baker PA, Hewison SR. Gait recovery pattern of unilateral lower limb amputees during rehabilitation. Prosthet Orthot Int 1990 Aug; 14(2):80-4.

Barr AE, Siegel KL, Danoff JV, McGarvey CL 3d, Tomasko A, Sable I, Stanhope SJ. Biomechanical comparison of the energy-storing capabilities of SACH and Carbon Copy II prosthetic feet during the stance phase of gait in a person with below-knee amputation. Phys Ther 1992 May;72(5):344-54.

Barth DG, Schumacher L, Sienko Thomas S. Gait analysis and energy cost of below-knee amputees wearing six different prosthetic feet. J Prosthet Orthot 1992 Winter;4(2):63-76.

Bartlett DJ. Testing gait efficiency of limb-deficient children using the physiological cost index. J Assoc Child Prosthet Orthot Clin 1989 Summer-Autumn;24(2-3):51-2.

Baycroft CM. Foot orthotics and musculoskeletal function. J Man Med 1990;5(1):22-4.

Beavis A. Cervical orthoses. Prosthet Orthot Int 1989 Apr;13(1):6-13.

Berg KO, Maki BE, Willaims JI, Hilliday PJ, Wood-Dauphinee SL. Clinical and laboratory measures of postural balance in an elderly population. Arch Phys Med Rehabil 1992 Nov;73(11):1073-80.

Besser MP. An investigation of the stump-socket interface of the patellar-tendon bearing below-knee prosthesis [dissertation]. Philadelphia: Drexel University; 1991. 84 p.

Bierling-Sorensen F, Ryde H, Bojsen-Moller F, Lyquist E. Shock absorbing material on the shoes of long leg braces for paraplegic walking. Prosthet Orthot Int 1990 Apr;14(1):27-32.

Blanco JS, Herring JA. Congenital Chopart amputation. A functional assessment. Clin Orthop 1990 Jul;(256):14-21.

Boker P, et al, eds. Biomechancial basis of orthotic management. Oxford; Boston: Butterworth-Heinemann; 1993.

Bowker P, Messenger N, Ogilvie C, Rowley DI. Energetics of paraplegic walking. J Biomed Eng 1992 Jul;14(4):344-50.

Brodke DS, Skinner SR, Lamoreux LW, Johanson ME, St. Helen R, Moran SA, Ashley RK. Effects of ankle-foot orthoses on the gait of children. J Pediatr Orthop 1989 Nov-Dec;9(6):702-8.

Brouwer BJ, Allard P, Labelle H. Running patterns of juveniles wearing SACH and single-axis foot components. Arch Phys Med Rehabil 1989 Feb; 70(2):128-34.

Brown DD, Knowlton RG, Hamill J, Schneider TL, Hetzler RK. Physiological and biomechanical differences between wheelchair-dependent and able-bodied subjects during wheelchair ergometry. Eur J Appl Physiol 1990;60(3):179-82.

Burl MM, Williams JG, Nayak USL. The effect of cervical collars on walking balance. Physiotherapy 1992 Jan;78(1):19-22.

Butler PB, Thompson N, Major RE. Improvement in walking performance of children with cerebral palsy: preliminary results. Dev Med Child Neurol 1992 Jul;34(7):567-76.

Cahan LD, Adams JM, Perry J, Beeler LM. Instrumented gait analysis after selective dorsal rhizotomy. Dev Med Child Neurol 1990 Dec; 32(12):1037-43.

Campbell JH. Reciprocating gait orthosis with linear bearing. J Assoc Child Prosthet Orthot Clin 1990 Spring;25(1):2-5.

Caselli MA, Cohen-Sobel E, Thompson J, Adler J, Gonzalez L. Biomechanical management of children and adolescents with Down syndrome. J Am Podiatr Med Assoc 1991 Mar;81(3):119-27.

Cawley PW, France EP, Paulos LE. Comparison of rehabilitative knee braces. A biomechanical investigation. Am J Sports Med 1989 Mar-Apr; 17(2):141-6.

Cerny K, Perry J, Walker JM. Effect of an unrestricted knee-ankle-foot orthosis on the stance phase of gait in healthy persons. Orthopedics 1990 Oct;13(10):1121-7.

Chappell PH, Kyberd PJ. Prehensile control of a hand prosthesis by a microcontroller. J Biomed Eng 1991 Sep;13(5):363-9.

Chase AP, Bader DL, Houghton GR. The biomechanical effectiveness of the Boston brace in the management of adolescent idiopathic scoliosis. Spine 1989 Jun;14(6):636-42.

Cherf J, Paulos LE. Bracing for patellar instability. Clin Sports Med 1990 Oct;9(4):813-21.

Chu T. Three-dimensional finite element stress analysis of a polymeric orthotic device: biomechanics of the ankle-foot orthosis [dissertation]. Akron (OH): University of Akron; 1992. 258 p.

Colborne GR, Naumann S, Longmuir PE, Berbrayer D. Analysis of mechanical and metabolic factors in the gait of congenital below knee amputees. A comparison of the SACH and Seattle feet. Am J Phys Med Rehabil 1992 Oct;71(5):272-8.

Conway PJ, Herzog W. Changes in walking mechanics associated with wearing an intertrochanteric support belt. J Manipulative Physiol Ther 1991 Mar-Apr;14(3):185-8.

Cool JC. Biomechanics of orthoses for the subluxed shoulder. Prosthet Orthot Int 1989 Aug;13(2):90-6.

Cornwall MW, McPoil TG. Effect of rearfoot posts in reducing forefoot forces. A single-subject design. J Am Podiatr Med Assoc 1992 Jul;82(7):371-4.

Crosbie WJ, Nicol AC. Aided gait in rheumatoid arthritis following knee arthroplasty. Arch Phys Med Rehabil 1990 Apr;71(5):299-303.

Crosbie WJ, Nicol AC. Reciprocal aided gait in paraplegia. Paraplegia 1990 Jul;28(6):353-63.

Deathe AB, Hayes KC, Winter DA. The biomechanics of canes, crutches, and walkers. Curr Rev Phys Rehabil Med 1993;5(1):15-30.

Diamond MF, Ottenbacher KJ. Effect of a tone-inhibiting dynamic ankle-foot orthosis on stride characteristics of an adult with hemiparesis. Phys Ther 1990 Jul;70(7):423-30.

Donatelli R, Wooden M. Biomechanical orthotics. In: Donatelli R, Wolf SL, eds. Biomechanics of the foot and ankle. Philadelphia: F.A. Davis; 1990. p. 193-216. (Comprehensive perspectives in rehabilitation; vol. 3).

Durfee WK, Hausdorff JM. Regulating knee joint position by combining electrical stimulation with a controllable friction brake. Ann Biomed Eng 1990; 18(6):575-96.

Edwards BG, Marsolais EB. Energy costs of ambulation with reciprocal gait orthosis, electrical stimulation, long leg braces and hybrids: A case study. Clin Kinesiol 1990;44(2):43-7.

Ehara Y, Beppu M, Nomura S, Kunimi Y, Takahashi S. Energy storing property of so-called energy-storing prosthetic feet. Arch Phys Med Rehabil 1993 Jan;74(1):68-72.

Ehrlich R, Garlick D, Ninio M. Electromyographic activity in walking subjects with and without prosthetic devices. In: Woollacott M, Horak F, eds. Posture and gait: control mechanisms, 1992. Proceedings of the 11th International Symposium of the Society for Postural and Gait Research, Portland, OR. Vol. 2. Portland (OR): University of Oregon; 1992. p. 369-71.

Embrey DG, Yates L, Mott DH. Effects of neuro-developmental treatment and orthoses on knee flexion during gait: a single-subject design. Phys Ther 1990 Oct;70(10):626-37.

Engsberg JR, et al. Comparison of effort between below-knee amputee and normal children. J Assoc Child Prosthet Orthot Clin 1991 Fall;26(2):46-52.

Engsberg JR, Aldridge KC, Harder JA. Lower limb intersegmental forces for below-knee amputee children during standing. Prosthet Orthot Int 1991 Dec;15(3):185-91.

Engsberg JR, Allinger TL. A function of the talocalcaneal joint during running support. Foot Ankle 1990 Oct;11(2):93-6.

Engsberg JR, Allinger TL, Harder JA. Standing pressure distribution for normal and below-knee amputee children. Prosthet Orthot Int 1989 Dec; 13(3):152-5.

Engsberg JR, Lee AG, Patterson JL, Harder JA. External loading comparisons between able-bodied and below-knee-amputee children during walking. Arch Phys Med Rehabil 1991 Aug;72(9):657-61.

Engsberg JR, Lee AG, Tedford KG, Harder Ja. Normative ground reaction force data for able-bodied and below-knee-amputee children during walking. J Pediatr Orthop 1993 Mar-Apr;13(2): 69-73.

Engsberg JR, Springer M, Harder J. Quantifying interface pressures in below-knee-amputee sockets. J Assoc Child Prosthet Orthot Clin 1992 Winter; 27(3):81-8.

Engsberg JR, Tedford KG, Harder JA. Center of mass location and segment angular orientation of below-knee-amputee and able-bodied children during walking. Arch Phys Med Rehabil 1992 Dec;73(12):1163-8.

Engsberg JR, Tedford KG, Harder JA, Mills JP. Timing changes for stance, swing, and double support in a recent below knee amputee child. Pediatr Exerc Sci 1990 Aug;2(3):255-62.

Engsberg JR, Tedford KG, Springer MJN, Harder JA. Technical note: weight distribution of below-knee amputee and able-bodies children during standing. Prosthet Orthot Int 1992 Dec;16(3):200-2.

Esquenazi A, Hirai B. Assessment of gait and orthotic prescription. Phys Med Rehabil Clin North Am 1991 Aug;2(3):473-85.

Gitter A, Czerniecki JM, DeGroot DM. Biomechanical analysis of the influence of prosthetic feet on below-knee amputee walking. Am J Phys Med Rehabil 1991 Jun;70(3):142-8.

Granat MH, Heller BW, Nicol DJ, Baxendale RH, Andrews BJ. Improving limb flexion in FES gait using the flexion withdrawal response for the spinal cord injured person. J Biomed Eng 1993 Jan;15(1):51-6.

Greiner BM, Czerniecki JM, Deitz JC. Gait parameters of children with spastic diplegia: a comparison of posterior and anterior walkers. Arch Phys Med Rehabil 1993 Apr;74(4):381-5.

Guidera KJ, Smith S, Raney E, Frost J, Pugh L, Griner D, Ogden JA. Use of the reciprocating gait orthosis in myelodysplasia. J Pediatr Orthop 1993 May-Jun;13(3):341-8.

Guttenberg U, Rogoll G, Vossius G. [Measuring force distribution of the hand surface in grasping]. Biomed Tech (Berlin) 1989;34 Suppl:157-8. (Ger).

Hale SA. Analysis of the swing phase dynamics and muscular effort of the above-knee amputee for varying prosthetic shank loads. Prosthet Orthot Int 1990 Dec;14(3):125-35.

Hale SA. The effect of walking speed on the joint displacement patterns and forces and moments acting on the above-knee amputee prosthetic leg. J Prosthet Orthot 1991 Winter;3(2):59-78.

Harburn KL, Hill KM, Kramer JF, Noh S, Vandervoort AA, Matheson JE. An overhead harness and trolly system for balance and ambulation assessment and training. Arch Phys Med Rehabil 1993 Feb;74(2):220-3.

Hart TJ. Below-knee child amputee gait: dynamics of an energy-storing prosthesis [dissertation]. Los Angeles: University of California, Los Angeles; 1991. 140 p.

Hicks JE. Rehabilitation and biomechanics. Curr Opin Rheumatol 1990 Apr;2(2):320-6.

Hirokawa S, Grimm M, Le T, Solomonow M, Baratta RV, Shoji H, D'Ambrosia RD. Energy consumption in paraplegic ambulation using the reciprocating gait orthosis and electric stimulation of the thigh muscles. Arch Phys Med Rehabil 1990 Aug;71(9):687-94.

Holzreiter SH, Kohle ME. Assessment of gair patterns using neural networks. J Biomech 1993 Jun;26(6):645-51.

Hsu JD, Furumasu J. Gait and posture changes in the Duchenne muscular dystrophy child. Clin Orthop 1993 Mar;(288):122-5.

Hullin MG, Robb JE, Loudon IR. Ankle-foot orthosis function in low-level myelomeningocele. J Pediatr Orthop 1992 Jul-Aug;12(4):518-21.

Hurley GR, McKenney R, Robinson M, Zadravec M, Pierrynowski MR. The role of the contralateral limb in below-knee amputee gait. Prosthet Orthot Int 1990 Apr;14(1):33-42.

Isakov E, Douglas R, Berns P. Ambulation using the reciprocating gait orthosis and functional electrical stimulation. Paraplegia 1992 Apr;30(4):239-45.

Isakov E, Mizrahi J, Ring H, Susak Z, Hakim N. Standing sway and weight-bearing distribution in people with below-knee amputations. Arch Phys Med Rehabil 1992 Feb;73(2):174-8.

Jefferson RJ, Whittle MW. Performance of three walking orthoses for the paralysed: a case study using gait analysis. Prosthet Orthot Int 1990 Dec;14(3):103-10.

Kabra SG. Articulated cadaveric bones as a structural endoskeleton in an ankle-foot prosthesis: a preliminary report. J Rehabil Res Dev 1990 Winter;27(1):43-52.

Kabra SG, Narayanan R. Ankle-foot prosthesis with articulated human bone endoskeleton: force-deflection and fatigue study. J Rehabil Res Dev 1991 Summer;28(3):13-22.

Kahn DL. The reciprocation gait orthosis for children with myelodysplasia. Phys Occup Ther Pediatr 1989;9(2):107-17.

Kannus VP. Evaluation of abnormal biomechanics of the foot and ankle in athletes. Br J Sports Med 1992 Jun;26(2):83-9.

Kemp M. Comment on: the energetics of paraplegic walking [letter]. J Biomed Eng 1993 Jan;15(1):83.

Kent HO. Vannini-Rizzoli stabilizing orthosis (boot): preliminary report on a new ambulatory aid for spinal cord injury. Arch Phys Med Rehabil 1992 Mar;73(3):302-7.

Kirby KA. The medial heel skive technique. Improving pronation control in foot orthoses. J Am Podiatr Med Assoc 1992 Apr;82(4):177-88.

Kohn D, Wirth CJ, John H. The function of the Thomas splint. An experimental study. Arch Orthop Trauma Surg 1991;111(1):26-8.

Kohn D, Wirth CJ, John H, Busche T. [Stress relief of the hip joint by the Thomas splint]. Z Orthop 1991 May-Jun;129(3):225-9. (Ger).

LeBlanc M, Setoguchi Y, Shaperman J, and Carlson L. Mechanical work efficiencies of body-powered prehensors for young children. J Assoc Child Prosthet Orthot Clin 1992 Winter;27(3):70-5.

Lehmann JF. Push-off and propulsion of the body in normal and abnormal gait. Correction by ankle-foot orthoses. Clin Orthop 1993 Mar;(288):97-108.

Lehmann JF, De Lateur BJ, Price R. Biomechanics of normal gait. Phys Med Rehabil Clin North Am 1992 Feb;3(1):95-109.

Lehmann JF, De Lateur BJ, Price R. Knee ankle foot orthoses for paresis and paralysis. Phys Med Rehabil Clin North Am 1992 Feb;3(1):161-83.

Lemaire ED, Fisher FR, Robertson DG. Gait patterns of elderly men with trans-tibial amputations. Prosthet Orthot Int 1993 Apr;17(1):27-37.

Leonard CT, Hirschfeld H, Forssberg H. The development of independent walking in children with cerebral palsy. Dev Med Child Neurol 1991 Jul;33(7):567-77.

Leone D, Diemente S, Lopez-Isa M, Fox MD, Epstein MA, Davis RB, Alward TM. Structural stability prediction for thermoplastic ankle-foot orthoses. In: Proceedings of the 17th Annual Northeast Bioengineering Conference; 1991 Apr 4-5; Hartford, CT. New York: IEEE; 1991. p. 231-2.

Lin JH, Chou YL, Ju MS, Sung YT. [Application and evaluation of the VICON system in gait analysis]. Kao Hsiung I Hsueh Ko Hsueh Tsa Chih 1990 Jan; 6(1):6-11. (Chi).

Logan L, Byers-Hinkley K, Ciccone CD. Anterior versus posterior walkers: a gait analysis study. Dev Med Child Neurol 1990 Dec;32(12):1044-8.

Lohman M, Goldstein H. Alternative strategies in tone reducing AFO design. J Prosthet Orthot 1993 Jan; 5(1):1-4.

Lough LK. The effects of fixed and hinged ankle foot orthoses on gait myoelectric activity and standing joint alignment in children with cerebral palsy [dissertation]. Iowa City (IA): University of Iowa; 1990. 223 p.

Lyles M, Munday J. Report on the evaluation of the Vannini-Rizzoli Stabilizing Limb Orthosis. J Rehabil Res Dev 1992 Spring;29(2):77-104.

Malezic M, Bogataj U, Gros N, Decman I, Vrtacnik P, Kljajic M, Acimovic-Janezic R. Application of a programmable dual-channel adaptive electrical stimulation system for the control and analysis of gait. J Rehabil Res Dev 1992 Fall;29(4):41-53.

Mandel AR, Nymark JR, Balmer SJ, Grinnell DM, O'Riain MD. Electromyographic versus rhythmic positional biofeedback in computerized gait retraining with stroke patients. Arch Phys Med Rehabil 1990 Aug;71(9):649-54.

Mazur JM, Sienko-Thomas S, Wright N, Cummings RJ. Swing-through vs. reciprocating gait patterns in patients with thoracic-level spina bifida. Z Kinderchir 1990 Dec;45 Suppl 1:23-5.

McCulloch MU, Brunt D, Vander Linden D. The effect of foot orthotics and gait velocity on lower limb kinematics and temporal events of stance. J Orthop Sports Phys Ther 1993 Jan;17(1):2-10.

McDonald CM, Jaffe KM, Mosca VS, Shurtleff DB. Ambulatory outcome of children with myelomeningocele: effect of lower extremity muscle strength. Dev Med Child Neurol 1991 Jun; 33(6):482-90.

McElroy GK, Hubbard WA. Strategy of gait re-education for amputees. In: Proceedings of the 18th National Biennial Conference of ACHPER (Australian Council for Health, Physical Education and Recreation) 1991; Perth, Australia. Vol. 2. Hindmarsh (Australia): ACHPER; 1991. p. 441-8.

Menard MR, McBride ME, Sanderson DJ, Murray DD. Comparative biomechanical analysis of energy-storing prosthetic feet. Arch Phys Med Rehabil 1992 May;73(5):451-8.

Menard MR, Murray DD. Subjective and objective analysis of an energy-storing prosthetic foot. J Prosthet Orthot 1989 Jul;1(4):220-30.

Michael JW. Overview of prosthetic feet. Instr Course Lect 1990;39:367-72.

Mossberg KA, Linton KA, Friske K. Ankle-foot orthoses: effect on energy expenditure of gait in spastic diplegic children. Arch Phys Med Rehabil 1990 Jun;71(7):490-4.

Neumann DA. Biomechanical analysis of selected principles of hip joint protection. Arthritis Care Res 1989 Dec;2(4):146-55.

Newell SG. Functional neutral orthoses and shoe modifications. Phys Med Rehabil Clin North Am 1992 Feb;3(1):193-222.

Nielsen DH, Harris JM, Minton YM, Motley NS, Rowley JL, Wadsworth CT. Energy cost, exercise intensity, and gait efficiency of standard versus rocker-bottom axillary crutch walking. Phys Ther 1990 Aug;70(8):487-93.

Nissan M. The initiation of gait in lower limb amputees: some related data. J Rehabil Res Dev 1991 Spring;28(2):1-12.

Novick A, Kelley DL. Position and movement changes of the foot with orthotic intervention during the loading response of gait. J Orthop Sport Phys Ther 1990;11(7):301-12.

Nuber GW. Biomechanics of the foot and ankle during gait. Clin Podiatr Med Surg 1989 Jul;6(3): 615-27.

Olaogun MOB, Abereoje OK, Obajuluwa VA. Forward upward leading step test for the clinical evaluation of locomotor ability. Clin Rehabil 1989 Feb;3(1):41-5.

Padula PA, Friedmann LW. Amputee gait. Phys Med Rehabil Clin North Am 1991 May;2(2):423-32.

Parziale JR, Daniels JD. The mechanical performance of ambulation using spring-loaded axillary crutches. A preliminary report. Am J Phys Med Rehabil 1989 Aug;68(4):192-5.

Patwardhan AG, Li SP, Gavin T, Lorenz M, Meade KP, Zindrick M. Orthotic stabilization of thoracolumbar injuries. A biomechanical analysis of the Jewett hyperextension orthosis. Spine 1990 Jul; 15(7):654-61.

Peltier RA. Effects of semi-rigid orthotics on abduction-adduction moments at the knee joint during walking [masters thesis]. Lansing (MI): Michigan State University; 1990. 67 p.

Petrofsky JS, Smith JB. Physiologic costs of computer-controlled walking in persons with paraplegia using a reciprocating-gait orthosis. Arch Phys Med Rehabil 1991 Oct;72(11):890-6.

Phillips CA. An interactive system of electronic stimulators and gait orthosis for walking in the spinal cord injured. Automedica 1989;11:247-61.

Phillips CA, Hendershot DM. Functional electrical stimulation and reciprocating gait orthosis for ambulation exercise in a tetraplegic patient: a case study. Paraplegia 1991 May;29(4):268-76.

Phillips CA, Koubek RJ, Hendershot DM. Walking while using a sensory tactile feedback system: potential use with a functional electrical stimulation orthosis. J Biomed Eng 1991 Mar;13(2):91-6.

Pinzur MS, Asselmeier M, Smith D. Dynamic electromyography in active and limited walking below-knee amputees. Orthopedics 1991 May; 14(5):535-7; discussion 537-8.

Pinzur MS, Littooy F, Daniels J, Arney C, Reddy NK, Graham G, Osterman H. Multidisciplinary preoperative assessment and late function in dysvascular amputees. Clin Orthop 1992 Aug; (281):239-43.

Pinzur MS, Perona P, Patwardhan A, Havey R. Loading of the contralateral foot in peripheral vascular insufficiency below-knee amputees. Foot Ankle 1991 Jun;11(6):368-71.

Pohjolainen T, Alaranta H. Predictive factors of functional ability after lower-limb amputation. Ann Chir Gynaecol 1991;80(1):36-9.

Pope MH, Broman H, Hansson T. Factors affecting the dynamic response of the seated subject. J Spinal Disord 1990 Jun;3(2):135-42.

Porter D, Roberts VC. A review of gait assessment in the lower limb amputee part 1: temporal and kinematic analysis. Clin Rehabil 1989 Feb;3:65-74.

Pratt DJ. Three dimensional electrogoniometric study of selected knee orthoses. Clin Biomech 1991;6(2): 67-72.

Pritham CH. Biomechanics and shape of the above-knee socket considered in light of the ischial containment concept. Prosthet Orthot Int 1990 Apr; 14(1):9-21.

Ranu HS, Kim Y, Spelman FA. A quantitative method of measuring the distribution of forces under the different regions of the human foot: during normal and abnormal gait. In: Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 11th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1989 Nov 9-12; Seattle, WA. Vol. 3. Piscataway (NJ): IEEE; 1989. p. 824-5.

Reynolds DP, Lord M. Interface load analysis for computer-aided design of below-knee prosthetic sockets. Med Biol Eng Comput 1992 Jul;30(4): 419-26.

Ricks NR, Eilert RE. Effects of inhibitory casts and othoses on bony alignment of foot and ankle during weight-bearing in children with spasticity. Dev Med Child Neurol 1993 Jan;35(1):11-6.

Rose NE, Feiwell LA, Cracchiolo A 3d. A method for measuring foot pressures using a high resolution, computerized insole sensor: the effect of heel wedges on plantar pressure distribution and center of force. Foot Ankle 1992 Jun;13(5):263-70.

Rose SA, Ounpuu S, DeLuca PA. Strategies for the assessment of pediatric gait in the clinical setting. Phys Ther 1991 Dec;71(12):961-80.

Savvidis E, Loer F. [A treatment principle with questionable effectiveness in Perthes disease]. Z Orthop Ihre Grenzgeb 1992 Mar-Apr;130(2): 120-4. (Ger).

Schultz AB. The use of mathematical models for studies of scoliosis biomechanics. Spine 1991 Oct; 16(10):1211-6.

Selby-Silverstein L, Hillstrom H, Palisano R, Hice G, Kugler F. Aberrant gait of children with Down syndrome and the efficacy of treatment with foot orthoses. In: Woollacott M, Horak F, eds. Posture and gait: control mechanisms. Proceedings of the 11th International Symposium of the Society for Postural and Gait Research; 1992; Portland, OR. Vol. 2. Portland (OR): University of Oregon; 1992. p. 427-30.

Seliktar R, Mizrahi J, Vachranukunkiet T, Besser M, Kuenzig D. Human performance with the prosthetic devices and surgically modified skeletal elements. Automedica 1989;11:145-62.

Shirazi-Adl A. Finite element stress analysis of a push-out test. Part 1: Fixed interface using stress compatible elements. J Biomech Eng 1992 Feb; 114(1):111-8.

Siriwardena GJA, Bertrand PV. Factors influencing rehabilitation of arteriosclerotic lower limb amputees. J Rehabil Res Dev 1991 Summer;28(3): 35-44.

Smith AW. A biomechanical analysis of amputee athlete gait. Int J Sport Biomech 1990 Aug;6(3): 262-82.

Steadward RD, Walsh CM, Gervais P. A kinematic analysis of wheelchair propulsion. In: Doll-Tepper G, Dahms C, Doll B, von Selzam H, eds. Adapted physical activity: an interdisciplinary approach. Proceedings of the 7th International Symposium; 1989 Jun; Berlin. New York: Springer-Verlag; 1990. p. 93-9.

Stuberg WA. Considerations related to weight-bearing programs in children with developmental disabilities. Phys Ther 1992 Jan;72(1):35-40.

Subotnick SI, Block AJ. Retrocalcaneal problems. Clin Podiatr Med Surg 1990 Apr;7(2):323-32.

Tscheuschner R, Rosenberger H. [Computer-assisted optimization of gait assessment--biocybernetic approach for an expert system for designing prostheses]. Biomed Tech (Berlin) 1990; 35 Suppl 3:56-8. (Ger).

Vailas JC, Pink M. Biomechanical effects of functional knee bracing. Practical implications. Sports Med 1993 Mar;15(3):210-8.

Van Jaarsveld HW, Grootenboer HJ, De Vries J. Accelerations due to impact at heel strike using below-knee prosthesis. Prosthet Orthot Int 1990 Aug;14(2):63-6.

van Leeuwen JL, Speth LA, Daanen HA. Shock absorption of below-knee prostheses: a comparison between the SACH and the Multiflex foot. J Biomech 1990;23(5):441-6.

Wang TK, Ju MS, Tsuei YG. Adaptative control of above knee electro-hydraulic prosthesis. J Biomech Eng 1992 Aug;114(3):421-4.

Waters RL, Tajyra HS, Adkins RH. Gait performance after spinal cord injury. Clin Orthop 1993 Mar; (288):87-96.

Waters RL, Yakura JS. The energy expenditure of normal and pathologic gait. Crit Rev Phys Rehabil Med 1989;1(3):183-209.

Waters RL, Yakura JS, Adkins R, Barnes G. Determinants of gait performance following spinal cord injury. Arch Phys Med Rehabil 1989 Nov; 70(12):811-8.

Weller C, Humphrey SJ, Kirollos C, Bowes SG, Charlett A, Dobbs SM, Dobbs RJ. Gait on a shoestring: falls and foot separation in parkinsonism. Age Ageing 1992 Jul;21(4):242-4.

Wertsch JJ, Webster JG, Tompkins WJ. A portable insole plantar pressure measurement system. J Rehabil Res Dev 1992 Winter;29(1):13-8.

Willemsen ATM, Bloemhof F, Boom HBK. Automatic stance-swing phase detection from accelerometer data for peroneal nerve stimulation. IEEE Trans Biomed Eng 1990 Dec;37(12):1201-8.

Winarski DJ, Pearson JR. First-order model for the analysis of stump stresses for below-knee amputees. J Biomech Eng 1990 Nov;112(4):475-8.

Winter DA. CNS stategies in human gait: implications for FES control. Automedica 1989;11:163-74.

Wirta RW, Golbranson FL, Mason R, Calvo K. Analysis of below-knee suspension systems: effect on gait. J Rehabil Res Dev 1990 Fall;27(4): 385-96.

Wirta RW, Mason R, Calvo K, Golbranson FL. Effect on gait using various prosthetic ankle-foot devices. J Rehabil Res Dev 1991 Spring;28(2):13-24.

Wong AM, Tang FT, Wu SH, Chen CM. Clinical trial of a low-temperature plastic anterior ankle foot orthosis. Am J Phys Med Rehabil 1992 Feb;71(1): 41-3.

Wood JE, Meek SG, Jacobsen SC. Quantitation of human shoulder anatomy for prosthetic arm control. I. surface modelling. J Biomech 1989;22(3): 273-92.

Wood JE, Meek SG, Jacobsen SC. Quantitation of human shoulder anatomy for prosthetic arm control--II. anatomy matrices. J Biomech 1989;22(4): 309-25.

Wynarsky GT, Schultz AB. Optimization of skeletal configuration: studies of scoliosis correction biomechanics. J Biomech 1991;24(8):721-32.

Yamaguchi GT. Feasibility and conceptual design of functional neuromuscular stimulation systems for the restoration of natural gait to paraplegics based on dynamic musculoskeletal models [dissertation]. Palo Alto (CA): Stanford University; 1989. 264 p.

Yamaguchi GT, Zajac FE. Restoring unassisted natural gait to paraplegics via functional neuromuscular stimulation: a computer simulation study. IEEE Trans Biomed Eng 1990 Sep;37(9): 886-902.

Yang L, Solomonidis SE, Spence WD, Paul JP. The influence of limb alignment on the gait of above-knee amputees. J Biomech 1991;24(11):981-97.

Scoliosis

Anciaux M, Lenaert A, Van Beneden ML, Blonde W, Vercauteren M. Transcutaneous electrical stimulation (TCES) for the treatment of adolescent idiopathic scoliosis: preliminary results. Acta Orthop Belg 1991;57(4):399-405.

Andrews G, MacEwen GD. Idiopathic scoliosis. An 11-year follow-up study of the role of the Milwaukee brace in curve control and trunco-pelvic alignment. Orthopedics 1989 Jun;12(6):809-16.

Appelgren G, Willner S. End vertebra angle--a roentgenographic method to describe a scoliosis. A follow-up study of idiopathic scoliosis treated with the Boston brace. Spine 1990 Feb;15(2):71-4.

Arlet V, Rigault P, Padovani JP, Touzet P, Finidori G, Guyonvarch G. [Scoliosis, spondylolysis and lumbosacral spondylolisthesis. A study of their association apropos of 82 cases in children and adolescents]. Rev Chir Orthop 1990;76(2):118-27. (Fre).

Boachie-Adjei O, Bradford DS. Vertebral column resection and arthrodesis for complex spinal deformities. J Spinal Disord 1991 Jun;4(2): 193-202.

Boulot J, Cahuzac JP, Clement JL, Gaubert J. CTM orthesis for iodiopathic scoliosis. Ann Readapt Med Phys 1990;33(3):291-301.

Brosnan H. Nursing management of the adolescent with idiopathic scoliosis. Nurs Clin North Am 1991 Mar;26(1):17-31.

Cassella MC, Hall JE. Current treatment approaches in the nonoperative and operative management of adolescent idiopathic scoliosis. Phys Ther 1991 Dec;71(12):897-909.

Chase AP, Bader DL, Houghton GR. The biomechanical effectiveness of the Boston brace in the management of adolescent idiopathic scoliosis. Spine 1989 Jun;14(6):636-42.

Dearolf WW 3d, Betz RR, Vogel LC, Levin J, Clancy M, Steel HH. Scoliosis in pediatric spinal cord-injured patients. J Pediatr Orthop 1990 Mar-Apr; 10(2):214-8.

del Pozo LJ, Merino FJ, Imaz M, Vilella J, Campos A. [Dermatosis in a girl with an orthopedic corset]. Enferm Infecc Microbiol Clin 1990 Nov;8(9):584-5. (Spa).

Denner F, Siegling CW, Franke J, Hochheim B. [Personal experiences using the Ch:eneau brace]. Beitr Orthop Traumatol 1990 Jul;37(7):378-82. (Ger).

Dickson JH, Erwin WD. Scoliosis. Crit Rev Phys Rehabil Med 1989;1(2):77-95.

Djeddou N. Experience of treating scoliosis at the Azur Plage medical centre. Ann Readapt Med Phys 1989 Aug;32(4):321-30.

Durham JW, Moskowitz A, Whitney J. Surface electrical stimulation versus brace in treatment of idiopathic scoliosis. Spine 1990 Sep;15(9):888-92.

Edelmann P. Brace treatment in idiopathic scoliosis. Acta Orthop Belg 1992;58 Suppl 1:85-90.

Federico DJ, Renshaw TS. Results of treatment of idiopathic scoliosis with the Charleston bending orthosis. Spine 1990 Sep;15(9):886-7.

Feldman MD, Bridwell KH, Sheridan JJ. Hyndman-Schneider procedure for paraplegia caused by a sharp, angular scoliosis: a case report and a review of the literature. J Spinal Disord 1993 Feb;6(1): 76-82.

Ficner HB. Revision surgery for adult scoliosis patients. Orthop Nurs 1993 Mar-Apr;12(2):23-32.

Focarile FA, Bonaldi A, Giarolo MA, Ferrari U, Zilioli E, Ottaviani C. Effectiveness of nonsurgical treatment for idiopathic scoliosis. Overview of available evidence. Spine 1991 Apr;16(4):395-401.

Goldberg CJ, Dowling FE, Hall JE, Emans JB. A statistical comparison between natural history of idiopathic scoliosis and brace treatment in skeletally immature adolescent girls. Spine 1993 Jun 1;18(7): 902-8.

Gunnoe BA. Adolescent idiopathic scoliosis. Orthop Rev 1990 Jan;19(1):35-43.

Gunnoe BA. Adolescent idiopathic scoliosis. Physician Assist 1990 Sep;14(9):66-7, 70, 72 passim.

Hart DL. Spinal immobility: braces and corsets. In: Gould JA 3d, ed. Orthopaedic and sports physical therapy. 2nd ed. St. Louis: Mosby; 1990. p. 265-89.

Hoppenfeld S, Lopez RA, Molnar G. Plantar weight-bearing pattern in idiopathic scoliosis. Spine 1991 Jul;16(7):757-60.

Irvin RE. Reduction of lumbar scoliosis by use of a heel lift to level the sacral base [see comments]. J Am Osteopath Assoc 1991 Jan;91(1):34, 37-44.

Ishal VA. [Possibilities of conservative treatment of scoliosis]. Ortop Travmatol Protez 1990 Mar;(3): 74-7. (Rus).

Kahanovitz N, Weiser S. The psychological impact of idiopathic scoliosis on the adolescent female. A preliminary multi-center study. Spine 1989 May; 14(5):483-5.

Kazmin AI, Belenkii VE, Cherkashov AM. [Electric stimulation of spinal muscles during walking as a method of the treatment of scoliosis]. Ortop Travmatol Protez 1990 Nov;(11):1-5. (Rus).

Keim HA, Hensinger RN. Spinal deformities. Scoliosis and kyphosis. Clin Symp 1989;41(4): 3-32.

Keller RB. Nonoperative treatment of adolescent idiopathic scoliosis. Instr Course Lect 1989;38: 129-35.

Kennedy JD, Robertson CF, Hudson I, Phelan PD. Effect of bracing on respiratory mechanics in mild idiopathic scoliosis. Thorax 1989 Jul;44(7):548-53.

King HA. Orthotic management of idiopathic scoliosis. Phys Med Rehabil Clin North Am 1992 Feb;3(1):45-55.

Korbelar P. [Basics of conservative therapy of idiopathic scoliosis]. Cesk Pediatr 1989 May;44(5): 296-8. (Cze).

Labelle H, Dansereau J, Bellefleur C, Poitras B. [3-D study of the immediate effect of the Boston brace on the scoliotic lumbar spine]. Ann Chir 1992;46(9):814-20. (Fre).

Letts M, Rathbone D, Yamashita T, Nichol B, Keeler A. Soft Boston orthosis in management of neuromuscular scoliosis: a preliminary report. J Pediatr Orthop 1992 Jul-Aug;12(4):470-4.

MacLean WE Jr, Green NE, Pierre CB, Ray DC. Stress and coping with scoliosis: psychological effects on adolescents and their families. J Pediatr Orthop 1989 May-Jun;9(3):257-61.

Marchesi D, Rudeberg A, Aebi M. [Development in conservatively treated scoliosis in patients with myelomeningocele (patients of the years 1964-1977)]. Acta Orthop Belg 1991;57(4):390-8. (Fre).

Mehta MH. The conservative management of Juvenile Idiopathic Scoliosis. Acta Orthop Belg 1992;58 Suppl 1:91-7.

Moe JH. 38 years' experience in scoliosis treatment. Arch Putti Chir Organi Mov 1985;35:11-20. (Ita).

Montgomery F, Willner S. Prognosis of brace-treated scoliosis. Comparison of the Boston and Milwaukee methods in 244 girls. Acta Orthop Scand 1989 Aug;60(4):383-5.

Montgomery F, Willner S, Appelgren G. Long-term follow-up of patients with adolescent idiopathic scoliosis treated conservatively: an analysis of the clinical value of progression. J Pediatr Orthop 1990 Jan-Feb;10(1):48-52.

Motte KM. Making a thoraco-lumbo-sacral orthosis. Orthop Nurs 1991 Jul-Aug;10(4):59-62.

Mubarak SJ. Idiopathic scoliosis. Audio Dig Orthop [audiocassette] 1992 Jan;15(1):Side A [presentation 1, 21 min.]. Accompanied by: 1 guide.

Mubarak SJ, Camp JF, Vuletich W, Wenger DR, Garfin SR. Halo application in the infant. J Pediatr Orthop 1989 Sep-Oct;9(5):612-4.

Ogilvie JW. Adult scoliosis: evaluation and nonsurgical treatment. Instr Course Lect 1992;41:251-5.

Pfeiffer U, Hahnel H. [Use of the halo-gravitation-extension in preoperative preparation in severe scoliosis]. Beitr Orthop Traumatol 1990 Jul;37(7): 382-91. (Ger).

Piazza MR, Bassett GS. Curve progression after treatment with the Wilmington brace for idiopathic scoliosis. J Pediatr Orthop 1990 Jan-Feb;10(1): 39-43.

Pollock FE, Pollock FE Jr. Idiopathic scoliosis: correction of lateral and rotational deformities using the Cotrel-Dubousset spinal instrumentation system. South Med J 1990 Feb;83(2):161-5.

Price CT, Scott DS, Reed FE Jr, Riddick MF. Nighttime bracing for adolescent idiopathic scoliosis with the Charleston bending brace. Preliminary report. Spine 1990 Dec;15(12):1294-9.

Refsum HE, Naess-Andresen CF, Lange JE. Pulmonary function and gas exchange at rest and exercise in adolescent girls with mild idiopathic scoliosis during treatment with Boston thoracic brace. Spine 1990 May;15(5):420-3.

Ries MD, Ray S, Winter RB, Bowen JR. Scoliosis in trisomy 18. Spine 1990 Dec;15(12):1281-4.

Rinsky LA. Advances in management of idiopathic scoliosis. Hosp Pract (Off Ed) 1992 Apr 15;27(4): 49-55.

Schlenzka D, Ylikoski M, Poussa M. [Experiences with lateral electric surface stimulation in the treatment of idiopathic scoliosis]. Beitr Orthop Traumatol 1990 Jul;37(7):373-8. (Ger).

Schultz AB. The use of mathematical models for studies of scoliosis biomechanics. Spine 1991 Oct; 16(10):1211-6.

Scoloveno MA, Yarcheski A, Mahon NE. Scoliosis treatment effects on selected variables among adolescents. West J Nurs Res 1990 Oct;12(5): 601-15; discussion 615-8.

Seltsa K. Of spines, braces and steel rods. Med J Aust 1992 Mar 2;156(5):354-5.

Sessa S, Dubousset J. [Cotrel-Dubousset instrumentation in idiopathic scoliosis. Angular results in 70 cases]. Rev Chir Orthop 1990;76(2): 112-7. (Fre).

Sombolos K, Kapetanos G, Kalogeras KT, Christodoulou A, Chrousos GP, Symeonidis P. Effect on atrial natriuretic peptide by bracing in scoliosis. Boston brace removal studied in 10 cases. Acta Orthop Scand 1991 Aug;62(4):379-82.

Stanton RP. Scoliosis evaluation and management. Del Med J 1989 Dec;61(12):669-74.

Taylor TK, Cummine JL. Of spines, braces and steel rods [letter]. Med J Aust 1992 May 18;156(10): 742.

Tloka VA, Savitskii VT, Krat IA, Ziabchenko IS, Shvets VA. [Method of correction of spinal deformity in children during the growth period]. Klin Khir 1990;(6):66-7. (Rus).

Tomory I. [Idiopathic scoliosis in adults]. Orv Hetil 1990 Aug 19;131(33):1799-801. (Hun).

Tomory I. [Significance of early conservative treatment of idiopathic scoliosis in young children]. Magy Traumatol Orthop Helyreallito Sebesz 1991; 34(1):25-8. (Hun).

Torode IP. Of spines, braces and steel rods [letter]. Med J Aust 1992 Jul 20;157(2):141.

Toth L, Slechta J, Vlach O. [Personal experience with the Milwaukee orthosis in the treatment of idiopathic scoliosis]. Acta Chir Orthop Traumatol Cech 1989 Apr;56(2):122-8. (Cze).

Weisz I, Jefferson RJ, Carr AJ, Turner-Smith AR, McInerney A, Houghton GR. Back shape in brace treatment of idiopathic scoliosis. Clin Orthop 1989 Mar;(240):157-63.

Willers U, Normelli H, Aaro S, Svensson O, Hedlund R. Long-term resoults of Boston brace treatment on vertebral rotation in idiopathic scoliosis. Spine 1993 Mar 15;18(4):432-5

Willner S. [Scoliosis--a review]. Nord Med 1990; 105(3):82-5. (Swe).

Womter RB. The Milwaukee Brace - 1992. J Assoc Child Prosthet Orthot Clin 1992 Summer;27(1): 16-24.

Wynarsky GT, Schultz AB. Optimization of skeletal configuration: studies of scoliosis correction biomechanics. J Biomech 1991;24(8):721-32.

Wynarsky GT, Schultz AB. Trunk muscle activities in braced scoliosis patients. Spine 1989 Dec;14(12): 1283-6.

Ylikoski M, Peltonen J, Poussa M. Biological factors and predictability of bracing in adolescent idiopathic scoliosis. J Pediatr Orthop 1989 Nov-Dec;9(6):680-3.

Other Cervical & Lumbar Vertebrae Disorders

Abitbol JJ, Botte MJ, Garfin SR, Akeson WH. The treatment of multiple myeloma of the cervical spine with a halo vest. J Spinal Disord 1989 Dec;2(4): 263-7.

Andersen J, Rostgaard-Christensen E. Progressive noninfectious anterior vertebral fusion. J Bone Joint Surg [Br] 1991 Sep;73(6):859-62.

Arlet V, Rigault P, Padovani JP, Touzet P, Finidori G, Guyonvarch G. [Scoliosis, spondylolysis and lumbosacral spondylolisthesis. A study of their association apropos of 82 cases in children and adolescents]. Rev Chir Orthop 1990;76(2):118-27. (Fre).

Assessment and care of the patient with a neck immobilizer [videocassette]. Houston: University of Texas Health Science Center-Houston, UTHSC-H; 1992. 1 videocassette: 7 min., sound, color, 1/2 in. (Orthopedic nursing series). Accompanied by: 1 guide.

Axelsson P, Johnsson R, Stromqvist B. Effect of lumbar orthosis on intervertebral mobility. A roentgen stereophotogrammetric analysis. Spine 1992 Jun;17(6):678-81.

Bailes JE, Hadley MN, Quigley MR, Sonntag VK, Cerullo LJ. Management of athletic injuries of the cervical spine and spinal cord. Neurosurgery 1991 Oct;29(4):491-7.

Ballock RT, Hajek PC, Byrne TP, Garfin SR. The quality of magnetic resonance imaging, as affected by the composition of the halo orthosis. A brief note. J Bone Joint Surg [Am] 1989 Mar;71(3): 431-4.

Beavis A. Cervical orthoses. Prosthet Orthot Int 1989 Apr;13(1):6-13.

Benzel EC, Hadden TA, Saulsbery CM. A comparison of the Minerva and halo jackets for stabilization of the cervical spine. J Neurosurg 1989 Mar;70(3):411-4.

Benzel EC, Larson SJ. Postoperative stabilization of the posttraumatic thoracic and lumbar spine: a review of concepts and orthotic techniques. J Spinal Disord 1989 Mar;2(1):47-51.

Benzel EC, Larson SJ, Kerk JJ, Millington PJ, Novak SM, Falkner RH, Wenninger WJ. The thermoplastic Minerva body jacket: a clinical comparison with other cervical spine splinting techniques. J Spinal Disord 1992 Sep;5(3):311-9.

Bernard PL, Chollet D, Peruchon E, Micallef JP. Spine contraints in the paraplegic patient. Sci Sports 1990;5(3):119-27.

Boachie-Adjei O, Bradford DS. Vertebral column resection and arthrodesis for complex spinal deformities. J Spinal Disord 1991 Jun;4(2): 193-202.

Burl MM, Williams JG, Nayak US. Effects of cervical collars on standing balance. Arch Phys Med Rehabil 1992 Dec;73(12):1181-5.

Burl MM, Williams JG, Nayak USL. The effect of cervical collars on walking balance. Physiotherapy 1992 Jan;78(1):19-22.

Carroll SG, Bird SF, Brown DJ. Electrical stimulation of the lumbrical muscles in an incomplete quadriplegic patient: case report. Paraplegia 1992 Mar;30(3):223-6.

Chandler DR, Nemejc C, Adkins RH, Waters RL. Emergency cervical-spine immobilization. Ann Emerg Med 1992 Oct;21(10):1185-8.

Clayman DA, Murakami ME, Vines FS. Compatibility of cervical spine braces with MR imaging: a study of nine nonferrous devices. AJNR Am J Neuroradiol 1990 Mar-Apr;11(2):385-90.

Cotler HB, Cotler JM, Alden ME, Sparks G, Biggs CA. The medical and economic impact of closed cervical spine dislocations. Spine 1990 Jun;15(6): 448-52.

Craig GR, Nielsen MS. Rigid cervical collars and intracranial pressure. Intensive Care Med 1991; 17(8):504-5.

Cunliffe MW. Lumbar spinal orthoses: direct moulding using thermoplastic mesh sheet. Br J Occup Ther 1990 Jun;53(6):244-8.

de Ruiter M. Back to basics with ProFlex. Ergonomics 1990 Mar;33(3):383-5.

Elizarov VG, Buslov IV, Gerasimov OR, Korolev AN. [Compression-flexion fractures of lower thoracic and lumbar vertebrae: causes of failure of the reclination treatment and the ways of its improvement]. Vestn Khir 1990 Jul;145(7):58-62. (Rus).

Elizarov VG, Buslov IV, Gerasimov OR, Korolev AN. [Long-term forced reclination in fractures of the lower thoracic and lumbar vertebrae: its biomechanical substantiation and results]. Sov Med 1990;(2):101-3. (Rus).

Enneking WF, Dunham W, Gebhardt MC, Malawar M, Pritchard DJ. A system for the functional evaluation of reconstructive procedures after surgical treatment of tumors of the musculoskeletal system. Clin Orthop 1993 Jan;(286):241-6.

Ernst E. [Does a supportive muscle corset: prevent spinal complaints?]. Wien Med Wochenschr 1992;142(13):291-3. (Ger).

Evans DL, Bethem D. Cervical spine injuries in children. J Pediatr Orthop 1989 Sep-Oct;9(5): 563-8.

Fisher SV. Cervical orthotics. Phys Med Rehabil Clin North Am 1992 Feb;3(1):29-43.

Gaskill SJ, Marlin AE. Custom fitted thermoplastic Minerva jackets in the treatment of cervical spine instability in preschool age children. Pediatr Neurosurg 1990-91;16(1):35-9.

Gavin TM, Boscardin JB, Patwardhan AG, Bunch WH, Zindrick MR, Lorenz MA, Vrbos LA. Preliminary results of orthotic treatment for chronic low back pain. J Prosthet Orthot 1993 Jan;5(1):5-9.

Heary RF, Hunt CD, Krieger AJ, Antonio C, Livingston DH. Acute stabilization of the cervical spine by halo/vest application facilitates evaluation and treatment of multiple trauma patients. J Trauma 1992 Sep;33(3):445-51.

Helliwell PS, Wright V. What are the indications for the use of a lumbar corset in low back pain? Br J Rheumatol 1991 Feb;30(1):62.

Hierholzer G, Ludolph E. [Indications, choice of procedure and results of conservative therapy of spinal injuries]. Langenbecks Arch Chir Suppl Kongressbd 1992:274-7. (Ger).

Holmstrom E, Moritz U. Effects of lumbar belts on trunk muscle strength and endurance: a follow-up study of construction workers. J Spinal Disord 1992 Sep;5(3):260-6.

Irvin RE. Reduction of lumbar scoliosis by use of a heel lift to level the sacral base. J Am Osteopath Assoc 1991 Jan;91(1):34, 37-44.

Johnson MW, Peckham PH. Evaluation of shoulder movement as a command control source. IEEE Trans Biomed Eng 1990 Sep;37(9):876-85.

Johnsson R. The use of orthoses in lumbar spine fusion. Acta Orthop Scand Suppl 1993;251:92-3.

Kaplan SL, Rocco TP, Tun CG, Silverman DI, Kemper AJ. Acute pulmonary edema following removal of a spinal orthosis: an unusual complication of a halo vest. Arch Phys Med Rehabil 1990 Mar;71(3): 255-7.

Karjalainen M, Aho AJ, Katevuo K. Painful spine after stable fractures of the thoracic and lumbar spine. What benefit from the use of extension brace? Ann Chir Gynaecol 1991;80(1):45-8.

Lemons VR, Wagner FC Jr. Stabilization of subaxial cervical spinal injuries. Surg Neurol 1993 Jun; 39(6):511-8

Lumbar support belts. J Occup Med 1992 Jul;34(7): 679-80.

Maiman D, Millington P, Novak S, Kerk J, Ellingsen J, Wenninger W. The effect of the thermoplastic Minerva body jacket on cervical spine motion. Neurosurgery 1989 Sep;25(3):363-7; discussion 367-8.

Markley VJ, Shepperd JA. Corset supply and the Hastings corset shop. Br J Occup Ther 1990 Apr; 53(4):155-7.

Marr J, Edmonds V. Cervical orthoses: the issue of patient compliance. J Neurosci Nurs 1990 Apr; 22(2):104-7.

McGuire RA Jr. Protection of the unstable spine during transport and early hospitalization. J Miss State Med Assoc 1991 Aug;32(8):305-8.

McGuire RA, Degnan G, Amundson GM. Evaluation of current extrication orthoses in immobilization of the unstable cervical spine. Spine 1990 Oct;15(10): 1064-7.

Miller RA, Hardcastle P, Renwick SE. Lower spinal mobility and external immobilization in the normal and pathologic condition. Orthop Rev 1992 Jun; 21(6):753-7.

Nazaroff KS, Stanton JH, Magana KR, Kaufman RL. Halo-body jacket immobilization in rheumatoid arthritis patients with cervical myelopathy. Nurs Clin North Am 1989 Mar;24(1):209-23.

North B, North C, Lee JL. Living in a halo. Am J Nurs 1992 Apr;92(4):54-6. Published erratum appears in Am J Nurs 1992 May;92(5):27.

Ohman K, Spaniol D. Halo immobilization: discharge planning and patient education. J Neurosci Nurs 1990 Dec;22(6):351-7.

Olson B, Ustanko L. Self-care needs of patients in the halo brace. Orthop Nurs 1990 Jan-Feb;9(1):27-33, 52. Published erratum appears in Orthop Nurs 1990 May-Jun;9(3):90.

Olson B, Ustanko L, Warner S. The patient in a halo brace: striving for normalcy in body image and self-concept. Orthop Nurs 1991 Jan-Feb;10(1):44-50.

Patwardhan AG, Li SP, Gavin T, Lorenz M, Meade KP, Zindrick M. Orthotic stabilization of thoracolumbar injuries. A biomechanical analysis of the Jewett hyperextension orthosis. Spine 1990 Jul; 15(7):654-61.

Pennie BH, Agambar LJ. Whiplash injuries. A trial of early management. J Bone Joint Surg [Br] 1990 Mar;72(2):277-9.

Pettine KA, Salib RM, Walker SG. External electrical stimulation and bracing for treatment of spondylolysis. A case report. Spine 1993 Mar 15; 18(4):436-9.

Pope MH, Broman H, Hansson T. Factors affecting the dynamic response of the seated subject. J Spinal Disord 1990 Jun;3(2):135-42.

Pringle RG. Halo versus Minerva--which orthosis? Paraplegia 1990 Jun;28(5):281-4.

Raven KA, Brugger CA. Hemicorporectomy: a nursing challenge. Orthop Nurs 1992 Mar-Apr; 11(2):73-8.

Rao S, Patel A, Schildhauer T. Osteogenesis imperfecta as a differential diagnosis of pathologic burst fractures of the spine. A case report. Clin Orthop 1993 Apr;(289):113-7.

Rosen PB, McSwain NE Jr, Arata M, Stahl S, Mercer D. Comparison of two new immobilization collars. Ann Emerg Med 1992 Oct;21(10): 1189-95.

Rowed DW. Management of cervical spinal cord njury in ankylosing spondylitis: the intervertebral disc as a cause of cord compression. J Neurosurg 1992 Aug;77(2):241-6.

Sakamoto H. [Cap brace: a new treatment for newborn and infant congenital muscular torticollis]. Nippon Seikeigeka Gakkai Zasshi 1992 Nov;66(11): 1123-36. (Jpn).

Schlickewei W, Schutzhoff G, Kuner EH. [Early functional treatment of fractures of the lower thoracic and lumbar vertebrae with a 3-point brace]. Unfallchirurg 1991 Jan;94(1):40-4. (Ger).

Sears W, Fazl M. Prediction of stability of cervical spine fracture managed in the halo vest and indications for surgical intervention. J Neurosurg 1990 Mar;72(3):426-32.

Sherepo KM, Povarov LA. [Splint for immobilization of patients with spinal injuries during transportation]. Ortop Travmatol Protez 1991 Nov; (11):42-3. (Rus).

Smith J, Tuel SM, Meythaler JM, Cross LL, Schuch JZ. Prosthetic management of hemicorporectomy patients: new approaches. Arch Phys Med Rehabil 1992 May;73(5):493-7.

Solot JA, Winzelberg GG. Clinical and radiological evaluation of Vertebrace extrication collars. J Emerg Med 1990 Jan-Feb;8(1):79-83.

Stillo JV, Stein AB, Ragnarsson KT. Low back orthoses. Phys Med Rehabil Clin North Am 1992 Feb;3(1):57-94.

Thovez G, Castelli PG, Ferrari C, Siclari A, Schneider L. [Halo vest in the treatment of fractures of the upper cervical spine. Fractures of the epistropheus]. Minerva Med 1992 Dec;83(12 Suppl 1):83-7. (Ita).

Traynelis VC, Gold M. Cervical spine injury in an air-bag-equipped vehicle. J Spinal Disord 1993 Feb;6(1):60-1.

Triggs KJ, Ballock RT, Byrne T, Garfin SR. Length dependence of a halo orthosis on cervical immobilization. J Spinal Disord 1993 Feb;6(1): 34-7.

von Gumppenberg S, Claudi B. [Conservative fracture treatment of the cervical spine with halo fixation]. Aktuel Traumatol 1989 Apr;19(2):57-60. (Ger).

von Gumppenberg S, Vieweg J, Claudi B, Harms J. [Primary management of fresh injuries of the thoracic and lumbar vertebrae]. Aktuel Traumatol 1991 Dec;21(6):265-73. (Ger).

Walsh NE, Schwartz RK. The influence of prophylactic orthoses on abdominal strength and low back injury in the workplace. Am J Phys Med Rehabil 1990 Oct;69(5):245-50. Comment in: Am J Phys Med Rehabil 1991 Apr;70(2):111-2.

Waters RL, Tajyra HS, Adkins RH. Gait performance after spinal cord injury. Clin Orthop 1993 Mar;(288):87-96.

Willner SW. Test instrument for predicting the effect of rigid braces in cases with low back pain. Prosthet Orthot Int 1990 Apr;14(1):22-6.

Wolter D, Reimann B. [Possibilities and limits of therapy of injuries of the cervical vertebrae with halo fixation]. Unfallchirurgie 1989 Apr;15(2): 83-94. (Ger).

Wood S, Clapham L, Pickard JD. Medico-legal collars--time for a consensus to agree to disagree [editorial]. Br J Neurosurg 1990;4(4):247-8.

Zambelli PY, Dutoit M, Genton N. [Dorso-lumbar spinal compression fractures in the child. Follow-up at the termination of development]. Helv Chir Acta 1991 Jul;58(1-2):119-22. (Fre).

Other Fractures

Ahl T, Dalen N, Lundberg A, Bylund C. Early mobilization of operated on ankle fractures. Prospective controlled study of 40 biomalleolar cases. Acta Orthop Scand 1993 Feb;64(1):95-9.

Assessment and care of the patient with a neck immobilizer [videocassette]. Houston: University of Texas Health Science Center at Houston, UT/TV; 1992. 1 videocassette: 7 min., sound, color, 1/2 in. (Orthopedic nursing series; 1). Accompanied by: 1 guide.

Barth A. [Indications and technic of conservative fracture treatment with a plastic arm splint with velcro straps (brace)]. Zentralbl Chir 1990;115(4): 235-8. (Ger).

Berger A, Schaller E, Mailander P. Brachial plexus injuries: an integrated treatment concept. Ann Plast Surg 1991 Jan;26(1):70-6. Published erratum appears in Ann Plast Surg 1991 Aug;27(2):194-5.

Blauth W, Ulrich HW, Hahne HJ. [Sense and nonsense of knee orthosis]. Unfallchirurg 1990 May;93(5):221-7. (Ger).

Bora FW Jr, Culp RW, Osterman AL, Skirven T. A flexible wrist splint. J Hand Surg [Am] 1989 May; 14(3):574-5.

Borrelli AH. A modification of digital splinting to prevent neurovascular impairment. J Am Podiatr Med Assoc 1989 Jan;79(1):34-5.

Botte MJ, Mason RD, Gellman H. Temporary orthosis for the cast-immobilized thumb. J Hand Surg [Am] 1993 Jan;18(1):164-5.

Brennan MJ, Hayes S, Watson JT. Orthotics versus casting in the management of lower extremity sprains, fractures, and other common orthopaedic problems. Contemp Orthop 1991 Jun;22(6): 683-713.

Camden P, Nade S. Fracture bracing the humerus. Injury 1992;23(4):245-8.

Cheng JC, Cheung SS. Modified functional bracing in the ambulatory treatment of femoral shaft fractures in children. J Pediatr Orthop 1989 Jul-Aug;9(4): 457-62.

Cimino W, Ichtertz D, Slabaugh P. Early mobilization of ankle fractures after open reduction and internal fixation. Clin Orthop 1991 Jun;(267):152-6.

Conry MA. Orthomedics fracture bracing at LA County USC Medical Center. J Prosthet Orthot 1992 Apr;4(3):151-6.

Cuxart A, Iborra J, Melendez M, Pages E. Physeal injuries in myelomeningocele patients. Paraplegia 1992 Nov;30(11):791-4.

Dahl T, Gretheim OJ. [Closed functional treatment of fractures of the ulnar shaft]. Tidsskr Nor Laegeforen 1993 Mar 10;113(7):857-8. (Nor).

Delamarter R, Hohl M. The cast brace and tibial plateau fractures. Clin Orthop 1989 May;(242): 26-31.

Elattrache N, Fadale PD, Fu FH. Thoracic spine fracture in a football player. A case report. Am J Sports Med 1993 Jan-Feb;21(1):157-60.

Foucher G, Greant P, Ehrler S, Buch N, Braun FM, Michon J. [Role of orthosis in the treatment of stiffness of the hand]. Chirurgie 1989;115(2): 100-5. (Fre).

Herndon JH. Distal radius fractures: nonsurgical treatment options. Instr Course Lect 1993;42: 67-72.

Herkert F, Rufkin G. [Experiences with conservative therapy of humerus shaft fractures]. Z Unfallchir Versicherungsmed 1992;85(4):202-14. (Ger).

Jacobs LG. The landmine foot: its description and management. Injury 1991 Nov;22(6):463-6.

King GJ, Schatzker J. Nonunion of a complex tibial plateau fracture. J Orthop Trauma 1991;5(2): 209-12.

Kohlmeyer KM, Weber CG, Yarkony GM. A new orthosis for central cord syndrome and brachial plexus injuries. Arch Phys Med Rehabil 1990 Nov; 71(12):1006-9.

Korzh NA, Bilinskii PI. [Orthotic devices in the treatment of injuries of the ankle joint]. Ortop Travmatol Protez 1991 Apr;(4):5-10. (Rus).

Kruse DH. Leave the collar on [letter]. J Emerg Nurs 1990 Nov-Dec;16(6):376.

Kurer MH, Regan MW. Completely displaced supracondylar fracture of the humerus in children. A review of 1708 comparable cases. Clin Orthop 1990 Jul;(256):205-14.

Laporte JM, Berrettoni BA, Seitz WH Jr, Winsberg D, Froimson AI. The figure-of-eight splint for proximal interphalangeal joint volar plate injuries. Orthop Rev 1992 Apr;21(4):457-62.

Lauritzen JB, Petersen MM, Lund B. Effect of external hip protectors on hip fractures. Lancet 1993 Jan 2;341(8836):11-3.

Ledingham WM, Wytch R, Goring CC, Mathieson AB, Wardlaw D. On immediate functional bracing of Colles' fracture. Injury 1991 May;22(3):197-201.

Levy J, Ward WT. Pediatric femur fractures: an overview of treatment. Orthopedics 1993 Feb; 16(2):183-90.

Madden G. Orthotic management for osteochondritis dissecans of the talar dome. J Prosthet Orthot 1989 Jan;1(2):72-5.

Magyari Z, Kadas I, Salacz T. [Management of lower leg fractures by external fixators and thermoplastic braces. Preliminary report]. Magy Traumatol Orthop Helyreallito Sebesz 1992;35(1):55-60. (Hun).

Magyari Z, Salacz T, Kadas I. [Management of upper arm fractures using a thermoplastic functional brace]. Magy Traumatol Orthop Helyreallito Sebesz 1992;35(4):325-31. (Hun).

Maitra A, Sen B. The boxers fracture: a simple and effective method of external splintage [letter]. Arch Emerg Med 1990 Mar;7(1):52-4.

Maitra A, Sen B. Displaced boxers' fractures: a simple and effective method of external splintage. Br J Clin Pract 1990 Sep;44(9):348-51.

Marsh JL, Nepola JV. External fixation for open tibia fractures. A management strategy. Orthop Rev 1990 Mar;19(3):273-80.

Matsusue Y, Ueno T, Yamamuro T. Effective treatment by orthosis of dislocation of the patella associated with Down's syndrome. A report of case. Nippon Geka Hokan 1991 May 1;60(3):189-94.

McConnell EA. Applying an abduction pillow correctly. Nursing 1992 Jun;22(6):22.

McConnell EA. Correctly positioning an arm sling. Nursing 1991 Jul;21(7):70.

Milgrom C, Burr DB, Boyd RD, Robin GC, Higgins WL, Radin EL. The effect of a viscoelastic orthotic on the incidence of tibial stress fractures in an animal model. Foot Ankle 1990 Apr;10(5): 276-9.

Moeller M. Splints versus casts [letter]. Postgrad Med 1990 Feb 15;87(3):34.

Moir JS, Wytch R, Ashcroft GP, Neil G, Ross N, Wardlaw D. Intracast pressure measurements in Colles' fractures. Injury 1991 Nov;22(6):446-50.

Mok DW, Good C. Non-operative management of acute grade III medial collateral ligament injury of the knee: a prospective study. Injury 1989 Sep; 20(5):277-80.

Muftakhidenov SB, Eleusizov AB, Briske VA. [A splint for immobilization of the arm]. Ortop Travmatol Protez 1989 Nov;(11):73-4. (Rus).

Murphy MS. An adjustable splint for forearm supination. Am J Occup Ther 1990 Oct;44(10): 936-9.

Murtagh J. Fractured rib. Aust Fam Physician 1991 Apr;20(4):491.

Nawoczenski DA, Birke JA, Graham SL, Koziatek E. The neuropathic foot--a management scheme: a case report. Phys Ther 1989 Apr;69(4):287-91.

Naylor JR, Mulley GP. Surgical collars: a survey of their prescription and use. Br J Rheumatol 1991 Aug;30(4):282-4.

Nolinske TL, Harlow ML, Russ JC. Orthotic management of the neurologically involved upper and lower-limb. In: Meyer PR. Surgery of spine trauma. New York: Churchill Livingstone; 1989. p. 305-40.

Oberlander MA, Seidman GD, Whitelaw GP. Treatment of isolated ulnar shaft fractures with functional bracing. Orthopedics 1993 Jan;16(1): 29-32.

Ofiaeli RO. Complications of methods of fracture treatment used by traditional healers: a report of three cases necessitating amputation at Ihiala, Nigeria. Trop Doct 1991 Oct;21(4):182-3.

Ovechkin VS, Vasil'ev SF, Dorogan' SD. [Prevention and treatment of persistent contractures of the hand after injuries of the ulnar and median nerves]. Vestn Khir 1990 Feb;144(2):112-3. (Rus).

Patel MR, Pearlman HS, Bassini L, Ravich S. Fractures of the sesamoid bones of the thumb. J Hand Surg [Am] 1990 Sep;15(5):776-81.

Pichora DR, McMurtry RY, Bell MJ. Gamekeepers thumb: a prospective study of functional bracing. J Hand Surg [Am] 1989 May;14(3):567-73.

Popsuishapka AK. [The functional treatment of diaphyseal fractures of the femur]. Ortop Travmatol Protez 1989 Sep;(9):74-7. (Rus).

Popsuishapka AK, Pavlenko SI. [Functional treatment of diaphyseal fractures of the humerus using a polyvic orthosis]. Ortop Travmatol Protez 1989 Jun;(6):24-9. (Rus).

Press JM, Wiesner SL. Prevention: conditioning and orthotics. Hand Clin 1990 Aug;6(3):383-92.

Prokop LL. Upper-extremity rehabilitation: conditioning and orthotics for the athlete and performing artist. Hand Clin 1990 Aug;6(3): 517-24.

PTB cast, long-leg cast-braces, and hip spica casts [videocassette]. United States: American Academy of Orthopedic Surgeons; 1990. 1 videocassette: 16 min., sound, color, 1/2 in.

Pun WK, Chow SP, Fang D, Ip FK, Leong JC, Ng C. A study of function and residual joint stiffness after functional bracing of tibial shaft fractures. Clin Orthop 1991 Jun;(267):157-63.

Racette WL. Clinical experience with functional fracture bracing of the tibial diaphysis. J Prosthet Orthot 1992 Apr;4(3):142-50.

Rader L, Tausch W. [Functional conservative treatment of humerus shaft fracture with the plaster brace]. Zentralbl Chir 1991;116(8):525-30. (Ger)

Redheffer GM, Bailey M. Assessing and splinting fractures. Nursing 1989 Jun;19(6):51-9.

Reith HB, Mackowski M, Kozianka J, Kozuschek W. [Early functional treatment of rupture of the fibular ligament with a personally developed ankle splint]. Zentralbl Chir 1989;114(21):1396-400. (Ger).

Sanchez Zaplana I, Zaragoza Arnau M. [The Braun and Braun-Bohler splints]. Rev Enferm 1990 Mar; 13(139):69-71, 73-4. (Spa).

Sarmiento A, Gersten LM, Sobol PA, Shankwiler JA, Vangsness CT. Tibial shaft fractures treated with functional braces. Experience with 780 fractures. J Bone Joint Surg [Br] 1989 Aug;71(4):602-9.

Saunders SR. Physical therapy management of hand fractures. Phys Ther 1989 Dec;69(12):1065-76.

Schindler A, Yaffe B, Chetrit A, Modan M, Engel J. Factors influencing elbow arthrolysis. Ann Chir Main Memb Super 1991;10(3):237-42.

Sennik VT. [Improvement of Vinogradov's abduction splint in the treatment of fractures of the humerus]. Ortop Travmatol Protez 1991 Aug;(8):53-4. (Rus).

Sennik VT, Mizak ST, Sukachev BA. [A modification of Beler's splint for the skeletal traction treatment of diaphyseal fractures of the leg bones]. Voen Med Zh 1989 Jul;(7):61. (Rus).

Shantharam SS. Tips of the trade #41. Modified coaptation splint for humeral shaft fractures. Orthop Rev 1991 Nov;20(11):1033, 1039.

Sharma VK, Jain AK, Gupta RK, Tyagi AK, Sethi PK. Non-operative treatment of fractures of the humeral shaft: a comparative study. J Indian Med Assoc 1991 Jun;89(6):157-60.

Shewring DJ, Beaudet M, Carvell JE. Reversed dynamic slings: results of use in the treatment of post-traumatic flexion contractures of the elbow. Injury 1991 Sep;22(5):400-2.

Silfverskiold JP. Splinting tips. Postgrad Med 1989 Nov 1;86(6):185-8.

Simkin A, Leichter I, Giladi M, Stein M, Milgrom C. Combined effect of foot arch structure and an orthotic device on stress fractures. Foot Ankle 1989 Aug;10(1):25-9.

Smith RM, Emans JB, Miller J. Fracture of the odontoid in a toddler. Injury 1992;23(5):352-3.

Smrcka V, Koprivova M. Rehabilitation in plastic surgery. Splinting and positioning of flexor tendons of the hand. Acta Chir Plast 1990;32(1):16-27.

Solgaard S, Bunger C, Slund K. Displaced distal radius fractures. A comparative study of early results following external fixation, functional bracing in supination, or dorsal plaster immobilization. Arch Orthop Trauma Surg 1990; 109(1):34-8.

Sollerman C, Abrahamsson SO, Lundborg G, Adalbert K. Functional splinting versus plaster cast for ruptures of the ulnar collateral ligament of the thumb. A prospective randomized study of 63 cases. Acta Orthop Scand 1991 Dec;62(6):524-6.

Stuart PR, Brumby C, Smith SR. Comparative study of functional bracing and plaster cast treatment of stable lateral malleolar fractures. Injury 1989 Nov; 20(6):323-6.

Sunde D, Pearl R. A better sky hook: for hand elevation. Ann Plast Surg 1990 Feb;24(2):189-90.

Szabo RM. Extra-articular fractures of the distal radius. Orthop Clin NOrth Am 1993 Apr;24(2): 229-37.

Tscherne H, Wippermann B. [Functional therapy in treatment of fractures and joint injuries]. Zentralbl Chir 1990;115(16):997-1005. (Ger).

Tscherne H, Wippermann BW. [Conservative treatment in fractures of the upper limb]. Chirurg 1990 Nov;61(11):752-60. (Ger).

Tylman D, Siwek W. Long-term results of functional treatment in intraarticular knee fractures and multifragment fractures of the shaft of femurs. Clin Orthop 1991 Nov;(272):114-21.

Vaccaro AR, Kupcha PC, Salvo JP. Accurate reduction and splinting of the common boxer's fracture. Orthop Rev 1990 Nov;19(11):994-6.

van Raay JJ, Logghe R, van der Werken C. [Treatment of isolated ulnar shaft fractures using Sarmiento's method]. Ned Tijdschr Geneeskd 1989 Mar 11;133(10):507-9. (Dut).

Wadsworth TG. Colles' fracture. BMJ 1990 Jul 28; 301(6745):192-4.

Whalen JL, Bishop AT, Linscheid RL. Nonoperative treatment of acute hamate hook fractures. J Hand Surg [Am] 1992 May;17(3):507-11.

Whitelaw GP, Wetzler MJ, Levy AS, Segal D, Bissonnette K. A pneumatic leg brace for the treatment of tibial stress fractures. Clin Orthop 1991 Sep;(270):301-5.

Winkler W. The role of orthotics in the rehabilitation of patients with fracture of the calcaneum. Prosthet Orthot Int 1989 Aug;13(2):70-5.

Wu SH. A belly gutter splint for proximal interphalangeal joint flexion contracture. Am J Occup Ther 1991 Sep;45(9):839-43.

Young R, Kersting R, Westermann K. [Sarmiento function fracture treatment of the tibia]. Unfallchirurg 1989 Aug;92(8):394-8. (Ger).

Zagorski JB, Zych GA, Latta LL, Finnieston AR. Orthotic design and application for functional treatment of tibial shaft fractures. J Prosthet Orthot 1992 Apr;4(3):126-41.

Zander CL, Healy NL. Elbow flexion contractures treated with serial casts and conservative therapy. J Hand Surg [Am] 1992 Jul;17(4):694-7.

Zeegers AV, Van Raay JJ, van der Werken C. Ankle fractures treated with a stabilizing shoe. Acta Orthop Scand 1989 Oct;60(5):597-9.

Zwart S, Voorhoeve HW. [Functional treatment of Colles' fractures and the relationship between anatomical recovery and function (letter)]. Ned Tijdschr Geneeskd 1989 Jun 10;133(23):1189. (Dut).

Zwipp H, Schievink B. Primary orthotic treatment of ruptured ankle ligaments: a recommended procedure. Prosthet Orthot Int 1992 Apr;16(1): 49-56.

Myelomeningocele & Spina Bifida

Beaty JH, Canale ST. Orthopaedic aspects of myelomeningocele. J Bone Joint Surg [Am] 1990 Apr;72(4):626-30.

Berard C, Delmas MC, Locqueneux F, Vadot JP. [Anti-calcaneus carbon fiber orthosis in children with myelomeningocele]. Rev Chir Orthop 1990; 76(3):222-5. (Fre).

Berned Muller E, Nordwall A, von Wendt L. The influence of scoliosis brace treatment on function in children with myelomeningocele. Acta Paediatr 1992 Nov;81(11):925-8.

Butler C. Augmentative mobility: why do it? Phys Med Rehabil Clin North Am 1991 Nov;2(4): 801-15.

Carstens C, Schmidt E, Fromm B, Schiltenwolf M. [Results of surgical therapy of knee flexion contractures in patients with myelomeningocele]. Z Orthop Ihre Grenzgeb 1992 May-Jun;130(3): 207-12. (Ger).

Cassinis A, Conti B, Redaelli T, Cosignani F, Bartemucci G. [The multidisciplinary treatment of children with spina bifida]. Riabilitazione 1991; 24(4):207-21. (Ita).

Charney EB, Melchionni JB, Smith DR. Community ambulation by children with myelomeningocele and high-level paralysis. J Pediatr Orthop 1991 Sep-Oct;11(5):579-82.

Correll J. The state of technical orthopaedics in spina bifida. Z Kinderchir 1989 Dec;44 Suppl 1:8-10.

Cuxart A, Iborra J, Melendez M, Pages E. Physeal injuries in myelomeningocele patients. Paraplegia 1992 Nov;30(11):791-4.

Diaz Llopid I, Bea Munoz M, Martinez Agullo E, Lopez Martinez A, Garcia Aymerich V, Forner Valero JC. Ambulation in patients with myelomeningocele: a study of 1500 patients. Paraplegia 1993 Jan;31(1):28-32.

Franks CA, Palisano RJ, Darbee JC. The effect of walking with an assistive device and using a wheelchair on school performance in students with myelomeningocele. Phys Ther 1991 Aug;71(8): 570-7; discussion 577-9.

Hullin MG, Robb JE, Loudon IR. Ankle-foot orthosis function in low-level myelomeningocele. J Pediatr Orthop 1992 Jul-Aug;12(4):518-21.

Kahn DL. The reciprocation gait orthosis for children with myelodysplasia. Phys Occup Ther Pediatr 1989;9(2):107-17.

Karmel-Ross K, Cooperman DR, Van Doren CL. The effect of electrical stimulation on quadriceps femoris muscle torque in children with spina bifida. Phys Ther 1992 Oct;72(10):723-30.

Knutson LM, Clark DE. Orthotic devices for ambulation in children with cerebral palsy and myelomeningocele. Phys Ther 1991 Dec;71(12): 947-60.

Liptak GS, Shyrtleff DB, Bloss JW, Baltus-Hebert E, Manitta P. Mobility aids for children with high-level myelomeningocele: parapodium versus wheelchair. Dev Med Child Neurol 1992 Sep; 34(9):787-96.

Marchesi D, Rudeberg A, Aebi M. [Development in conservatively treated scoliosis in patients with myelomeningocele (patients of the years 1964-1977)]. Acta Orthop Belg 1991;57(4):390-8. (Fre).

Mazur JM, Shurtleff D, Menelaus M, Colliver J. Orthopaedic management of high-level spina bifida. Early walking compared with early use of a wheelchair. J Bone Joint Surg [Am] 1989 Jan; 71(1):56-61.

McDonald CM, Jaffe KM, Mosca VS, Shurtleff DB. Ambulatory outcome of children with myelomeningocele: effect of lower extremity muscle strength. Dev Med Child Neurol 1991 Jun;33(6):482-90.

Michael T, Doll B, Von Moers A, Scheffner D. Dynamic orthoses for children with meningomyelocele. In: Doll-Tepper G, Dahms C, Doll B, von Selzam H, eds. Adapted physical activity: an interdisciplinary approach. Proceedings of the 7th International Symposium, 1989 Jun, Berlin. New York: Springer-Verlag; 1990. p. 475-81.

Moretto DF, Minkel JL, Cardi MD. Prosthetic/orthotic management after recent hemipelvectomy for a myelomeningocele patient. J Prosthet Orthot 1992 Winter;4(2):93-102.

O'Connell DG, Barnhart R, Parks L. Muscular endurance and wheelchair propulsion in children with cerebral palsy or myelomeningocele. Arch Phys Med Rehabil 1992 Aug;73(8):709-11.

Phillips DP, Lindseth RE. Ambulation after transfer of adductors, external oblique, and tensor fascia lata in myelomeningocele. J Pediatr Orthop 1992 Nov-Dec;12(6):712-7.

Ryan KD, Ploski C, Emans JB. Myelodysplasia the musculoskeletal problem: habilitation from infancy to adulthood. Phys Ther 1991 Dec;71(12):935-46.

Schiltenwolf M, Carstens C, Bernd L. [Myelomeningocele--what can be done? Aids for evaluating rehabilitation from the orthopedic viewpoint]. Geburtshilfe Frauenheilkd 1992 Aug; 52(8):449-53. (Ger).

Schiltenwolf M, Carstens C, Rohwedder J, Gr:undel E. Results of orthotic treatment in children with myelomeningocele. Eur J Pediatr Surg 1991 Dec; 1 Suppl 1:50-2.

Schmidt RA, Kogan BA, Tanagho EA. Neuroprostheses in the management of incontinence in myelomeningocele patients. J Urol 1990 Apr; 143(4):779-82.

Stallard J, Major R, Butler PB. The orthotic ambulation performance of paraplegic myelomeningocele children using the orlau parawalker treatment system. Clin Rehabil 1991 May;5(2):111-4.

Taylor A, McNamara A. Ambulation status of adults with myelomeningocoele. Z Kinderchir 1990 Dec; 45 Suppl 1:32-3.

Thomas SE, Mazur JM, Child ME, Supan TJ. Quantitative evaluation of AFO use with myelomeningocele children. Z Kinderchir 1989 Dec;44 Suppl 1:38-40.

Wright JG, Menelaus MB, Broughton NS, Shurtleff D. Natural history of knee contractures in myelomeningocele. J Pediatr Orthop 1991 Nov-Dec;11(6):725-30.

Arthritis

Anderson EG. The rheumatoid foot: a sideways look. Ann Rheum Dis 1990 Oct;49 Suppl 2:851-7.

Arthritis Health Professions Association. Hand splinting for arthritis health professionals [audiocassette]. Atlanta: AHPA; 1988. 1 audiocassette; 1 7/8 ips. Recorded at the concurrent session KK, May 23-28, 1988, Houston.

Bishop AT, Hench PK, Lacroix E, Millender LH, Opitz JL. Keeping the rheumatoid hand working. Patient Care 1991 Oct 30;25(17):74-8, 80, 85-6.

Bongi SM. A personalised splint for osteoarthritis. Nurs Times 1992 Feb 12-18;88(7):46-7.

Budiman-Mak E, Conrad KJ, Roach KE. The Foot Function Index: a measure of foot pain and disability. J Clin Epidemiol 1991;44(6):561-70.

Calmels P, Pallot-Prades B, Alexandre C, Minaire P. [The reeducation of the patient with rheumatoid polyarthritis]. Servir 1989 Sep-Oct;37(5):306-9. (Por).

Crosbie WJ, Nicol AC. Aided gait in rheumatoid arthritis following knee arthroplasty. Arch Phys Med Rehabil 1990 Apr;71(5):299-303.

Falconer J. Hand splinting in rheumatoid arthritis: a perspective on current knowledge and directions for research. Arthritis Care Res 1991 Jun;4(2):81-6.

Feinberg J. Effect of the arthritis health professional on compliance with use of resting hand splints by patients with rheumatoid arthritis. Arthritis Care Res 1992 Mar;5(1):17-23.

Grocholski-Plescher B. ["Mobile occupational therapy" for rheumatic patients: development of the service, utilization and management with aids and braces]. Z Rheumatol 1992;51 Suppl 1:35-40. (Ger).

Herold DC, Palmer RG. Questionnaire study of the use of surgical shoes prescribed in a rheumatology outpatient clinic. J Rheumatol 1992 Oct;19(10): 1542-4.

Hicks JE. Rehabilitation and biomechanics. Curr Opin Rheumatol 1990 Apr;2(2):320-6.

Hicks JE, Leonard JA Jr, Nelson VS, Fisher SV, Esquenazi A. Prosthetics, orthotics, and assistive devices. 4. Orthotic management of selected disorders. Arch Phys Med Rehabil 1989 May; 70(5-S):S210-7.

Jurisson ML. Rehabilitation in rheumatic diseases. What's new. West J Med 1991 May;154(5):545-8.

Malcus Johnson P, Sandkvist G, Eberhardt K, Liang B, Herrlin K. The usefulness of nocturnal resting splints in the treatment of ulnar deviation of the rheumatoid hand. Clin Rheumatol 1992 Mar;11(1): 72-5.

McKnight PT, Kwoh CK. Randomized, controlled trial of compression gloves in rheumatoid arthritis. Arthritis Care Res 1992 Dec;5(4):223-7.

Moncur C, Ward JR. Heat-moldable shoes for management of forefoot problems in rheumatoid arthritis. J Prosthet Orthot 1990 Dec;3(4):222-6.

Nazaroff KS, Stanton JH, Magana KR, Kaufman RL. Halo-body jacket immobilization in rheumatoid arthritis patients with cervical myelopathy. Nurs Clin North Am 1989 Mar;24(1):209-23.

Neumann DA. Biomechanical analysis of selected principles of hip joint protection. Arthritis Care Res 1989 Dec;2(4):146-55.

Nordenskiold U. Elastic wrist orthoses. Reduction of pain and increase in grip force for women with rheumatoid arthritis. Arthritis Care Res 1990 Sep; 3(3):158-62.

Ouellette EA. The rheumatoid hand: orthotics as preventative. Semin Arthritis Rheum 1991 Oct; 21(2):65-72.

Philips CA. Management of the patient with rheumatoid arthritis. The role of the hand therapist. Hand Clin 1989 May;5(2):291-309.

Philips CA. Rehabilitation of the patient with rheumatoid hand involvement. Phys Ther 1989 Dec;69(12):1091-8.

Rey B. [Non-drug and non-surgical measures in chronic polyarthritis]. Ther Umsch 1991 Sep; 48(9):624-31. (Ger).

Rhodes VJ. Physical therapy management of patients with juvenile rheumatoid arthritis. Phys Ther 1991 Dec;71(12):910-9.

Rogers JC, Holm MB. Assistive technology device use in patients with rheumatic disease: a literature review. Am J Occup Ther 1992 Feb;46(2):120-7.

Rudicel S. Arthritis of the foot. Pinpointing the disease process involved. Postgrad Med 1989 Sep 1;86(3):122-5, 128-9, 132.

Saito S, Saito M, Nishina T, Ohzono K, Ono K. Long-term results of total hip arthroplasty for osteonecrosis of the femoral head. A comparison with osteoarthritis. Clin Orthop 1989 Jul;(244): 198-207.

Sauvain MJ, Brock D, Gerber NJ. [Foot problems in chronic polyarthritis: shoe advice and foot care]. Ther Umsch 1991 Sep;48(9):640-4. (Ger).

Steadman AK, Netscher DT. A detachable thumb spica for a rheumatoid brace. J Hand Surg [Am] 1991 May;16(3):564-6.

Swezey RL. Rheumatoid arthritis: the role of the kinder and gentler therapies. J Rheumatol Suppl 1990 Nov;25:8-13.

Thompson JA, Jennings MB, Hodge W. Orthotic therapy in the management of osteoarthritis. J Am Podiatr Med Assoc 1992 Mar;82(3):136-9.

van der Hoeven H, van der Net J, Helders PJ, Keessen W. [Physiotherapy and orthopedic treatment of juvenile chronic arthritis]. Tijdschr Kindergeneeskd 1991 Oct;59(5):167-72. (Dut).

Entrapment Syndromes & Tendon Disorders

Ashall G, Foster A. The cage splint: an added protection for flexor tendon repair. J Hand Surg [Br] 1989 Feb;14(1):128.

Barrett DS, Donell ST. Entrapment neuropathies: 1. Upper limb. Br J Hosp Med 1991 Aug;46(2):94-8.

Beck-Foehn M. [Occupationally-induced carpal tunnel syndrome]. Nervenarzt 1992 Aug;63(8):467-72. (Ger).

Browne EZ Jr, Ribik CA. Early dynamic splinting for extensor tendon injuries. J Hand Surg [Am] 1989 Jan;14(1):72-6.

Burge PD, Brown M. Elastic band mobilisation after flexor tendon repair; splint design and risk of flexion contracture. J Hand Surg [Br] 1990 Nov; 15(4):443-8.

Chow JA, Dovelle S, Thomes LJ, Ho PK, Saldana J. A comparison of results of extensor tendon repair followed by early controlled mobilisation versus static immobilisation. J Hand Surg [Br] 1989 Feb; 14(1):18-20.

Chow SP, Stephens MM, Ngai WK, So YC, Pun WK, Chu M, Crosby C. A splint for controlled active motion after flexor tendon repair. Design, mechanical testing, and preliminary clinical results. J Hand Surg [Am] 1990 Jul;15(4):645-51.

Dovelle S, Heeter PK. The Washington Regimen: rehabilitation of the hand following flexor tendon injuries. Phys Ther 1989 Dec;69(12):1034-40.

Enzenauer RJ, Nordstrom DM. Anterior interosseous nerve syndrome associated with forearm band treatment of lateral epicondylitis. Orthopedics 1991 Jul;14(7):788-90.

Fillion PL. Treatment of lateral epicondylitis. Am J Occup Ther 1991 Apr;45(4):340-3.

Gerbino PG 2d, Saldana MJ, Westerbeck P, Schacherer TG. Complications experienced in the rehabilitation of zone I flexor tendon injuries with dynamic traction splinting. J Hand Surg [Am] 1991 Jul;16(4):680-6.

Horii E, Lin GT, Cooney WP, Linscheid RL, An KN. Comparative flexor tendon excursion after passive mobilization: an in vitro study. J Hand Surg [Am] 1992 May;17(3):559-66.

Hung LK, Chan A, Chang J, Tsang A, Leung PC. Early controlled active mobilization with dynamic splintage for treatment of extensor tendon injuries. J Hand Surg [Am] 1990 Mar;15(2):251-7.

Kaplan SJ, Glickel SZ, Eaton RG. Predictive factors in the non-surgical treatment of carpal tunnel syndrome. J Hand Surg [Br] 1990 Feb;15(1): 106-8.

Kortman, B. Patient recall and understanding of instructions concerning splints following a zone 2 flexor tendon repair. Aust Occup Ther J 1992 Jun; 39(2):5-11.

Kraft S, Serex AM, Cavin B, Isoz J. [Lesions of zone II flexor tendons: splints and rehabilitation]. Helv Chir Acta 1992 Jan;58(4):451-3. (Fre).

Kruger VL, Kraft GH, Deitz JC, Ameis A, Polissar L. Carpal tunnel syndrome: objective measures and splint use. Arch Phys Med Rehabil 1991 Jun; 72(7):517-20.

Kruger VL, Veer L, Nicholls LA. A modified ulnar gutter wrist splint for the treatment of carpal tunnel syndrome. Can J Occup Ther 1992 Aug;59(3): 159-62.

Mandel S. Overuse syndrome in musicians. When playing an instrument hurts. Postgrad Med 1990 Aug;88(2):111-4.

May EJ, Silfverskiold KL, Sollerman CJ. Controlled mobilization after flexor tendon repair in zone II: a prospective comparison of three methods. J Hand Surg [Am] 1992 Sep;17(5):942-52.

Newport ML, Blair WF, Steyers CM Jr. Long-term results of extensor tendon repair. J Hand Surg [Am] 1990 Nov;15(6):961-6.

Newport ML, Shukla A. Electrophysiologic basis of dynamic extensor splinting. J Hand Surg [Am] 1992 Mar;17(2):272-7.

Percival NJ, Sykes PJ. Flexor pollicis longus tendon repair: a comparison between dynamic and static splintage. J Hand Surg [Br] 1989 Nov;14(4):412-5.

Rider BA. Carpal tunnel syndrome rehabilitation. Crit Rev Phys Rehabil Med 1991;3(1):27-57.

Saldana MJ, Choban S, Westerbeck P, Schacherer TG. Results of acute zone III extensor tendon injuries treated with dynamic extension splinting. J Hand Surg [Am] 1991 Nov;16(6):1145-50.

Saldana MJ, Chow JA, Gerbino P 2d, Westerbeck P, Schacherer TG. Further experience in rehabilitation of zone II flexor tendon repair with dynamic traction splinting. Plast Reconstr Surg 1991 Mar;87(3):543-6.

Saleh M, Marshall PD, Senior R, MacFarlane A. The Sheffield splint for controlled early mobilisation after rupture of the calcaneal tendon. A prospective, randomised comparison with plaster treatment. J Bone Joint Surg [Br] 1992 Mar;74(2):206-9.

Seror P. [Orthosis as treatment of ulnar nerve compression at the elbow. Preliminary results in 22 patients (letter)]. Presse Med 1991 Dec 14;20(43): 2214-5. (Fre).

Siegert JJ, Cooney WP, Dobyns JH. Management of simple camptodactyly. J Hand Surg [Br] 1990 May;15(2):181-9.

Stewart KM. Review and comparison of current trends in the postoperative management of tendon repair. Hand Clin 1991 Aug;7(3):447-60.

Tubiana R. Carpal tunnel syndrome: some views on its management. Ann Chir Main Memb Super 1990;9(5):325-30.

Valembois B, Moutet F, Hoel G. [Shearing splints]. Ann Chir Main 1989;8(2):176-8. (Fre).

Werntz JR, Chesher SP, Breidenbach WC, Kleinert HE, Bissonnette MA. A new dynamic splint for postoperative treatment of flexor tendon injury. J Hand Surg [Am] 1989 May;14(3):559-66.

Witczak JW, Masear VR, Meyer RD. Triggering of the thumb with de Quervain's stenosing tendovaginitis. J Hand Surg [Am] 1990 Mar;15(2): 265-8.

Witt J, Pess G, Gelberman RH. Treatment of de Quervain tenosynovitis. A prospective study of the results of injection of steroids and immobilization in a splint. J Bone Joint Surg [Am] 1991 Feb;73(2):219-22.

Zwipp H, Thermann H, Sudkamp N, Tscherne H, Milbradt H, Reimer P, Heintz P. [An innovative concept for primary functional treatment of Achilles tendon rupture]. Sportverletz Sportschaden 1990 Mar;4(1):29-35. (Ger).

Cerebral Palsy

Angelo J. Comparison of three computer scanning modes as an interface method for persons with cerebral palsy. Am J Occup Ther 1992 Mar;46(3): 217-22.

Binder H, Eng GD. Rehabilitation management of children with spastic diplegic cerebral palsy. Arch Phys Med Rehabil 1989 Jun;70(6):482-9.

Brown JK. Too few cooks: too many cooks [editorial]. Dev Med Child Neurol 1992 Jul;34(7): 565-6.

Butler PB, Thompson N, Major RE. Improvement in walking performance of children with cerebral palsy: preliminary results. Dev Med Child Neurol 1992 Jul;34(7):567-76.

Cahan LD, Adams JM, Perry J, Beeler LM. Instrumented gait analysis after selective dorsal rhizotomy. Dev Med Child Neurol 1990 Dec; 32(12):1037-43.

Clarke AM, Redden JF. Management of hip posture in cerebral palsy. J R Soc Med 1992 Mar;85(3): 150-1.

Goodman G, Bazyk S. The effects of a short thumb opponens splint on hand function in cerebral palsy: a single-subject study. Am J Occup Ther 1991 Aug;45(8):726-31.

Greiner BM, Czerniecki JM, Deitz JC. Gait parameters of children with spastic diplegia: a comparison of posterior and anterior walkers. Arch Phys Med Rehabil 1993 Apr;74(4):381-5.

Hanson CJ, Jones LJ. Gait abnormalities and inhibitive casts in cerebral palsy. Literature review. J Am Podiatr Med Assoc 1989 Feb;79(2):53-9.

Harryman SE. Lower-extremity surgery for children with cerebral palsy: physical therapy management. Phys Ther 1992 Jan;72(1):16-24.

Herman L, Herman B. Elena and her technology. Except Parent 1989 Oct;19(7):35-6.

Hopkins BP. The development of a symmetrical hip orthosis. Physiother 1992 Jun;78(6):428-32.

Inglis S, Gibbett K. Custom designed stroller inserts for young children with cerebral palsy. Aust Occup Ther J 1991;38(3):147-53.

Knutson LM, Clark DE. Orthotic devices for ambulation in children with cerebral palsy and myelomeningocele. Phys Ther 1991 Dec;71(12): 947-60.

Leonard CT, Hirschfeld H, Forssberg H. The development of independent walking in children with cerebral palsy. Dev Med Child Neurol 1991 Jul;33(7):567-77.

Levangie PK, Guihan MF, Meyer P, Stuhr K. Effect of altering handle position of a rolling walker on gait in children with cerebral palsy. Phys Ther 1989 Feb;69(2):130-4.

Logan L, Byers-Hinkley K, Ciccone CD. Anterior versus posterior walkers: a gait analysis study. Dev Med Child Neurol 1990 Dec;32(12):1044-8.

Lough LK. The effects of fixed and hinged ankle foot orthoses on gait myoelectric activity and standing joint alignment in children with cerebral palsy [dissertation]. Iowa City (IA): University of Iowa; 1990. 223 p.

Mann DC, Hoffer MM. Flat foot in spastic cerebral palsy. Semin Orthop 1989;4(4):277-88.

Marcinko DE, Azzolini TJ, Mariash SA. Enigma of pediatric vertical talus deformity. J Foot Surg 1990 Sep-Oct;29(5):452-8.

Molnar GE. Rehabilitation in cerebral palsy. West J Med 1991 May;154(5):569-72.

Mossberg KA, Linton KA, Friske K. Ankle-foot orthoses: effect on energy expenditure of gait in spastic diplegic children. Arch Phys Med Rehabil 1990 Jun;71(7):490-4.

Myhr U, von Wendt L. Improvement of functional sitting position for children with cerebral palsy [see comments]. Dev Med Child Neurol 1991 Mar; 33(3):246-56.

Nwaobi OM, Sussman MD. Electromyographic and force patterns of cerebral palsy patients with windblown hip deformity. J Pediatr Orthop 1990 May-Jun;10(3):382-8.

O'Connell DG, Barnhart R, Parks L. Muscular endurance and wheelchair propulsion in children with cerebral palsy or myelomeningocele. Arch Phys Med Rehabil 1992 Aug;73(8):709-11.

Okawa A, Kajiura I, Hiroshima K. Physical therapeutic and surgical management in spastic diplegia. A Japanese experience. Clin Orthop 1990 Apr;(253):38-44.

Phillips WE, Audet M. Use of serial casting in the management of knee joint contractures in an adolescent with cerebral palsy. Phys Ther 1990 Aug;70(8):521-3.

Radwin RG, Vanderheiden GC, Lin ML. A method for evaluating head-controlled computer input devices using Fitts' law. Hum Factors 1990 Aug; 32(4):423-38.

Reid DT, Sochaniwskyj A. Influences of a hand positioning device on upper-extremity control of children with cerebral palsy. Int J Rehabil Res 1992;15(1):15-29.

Rose SA, Ounpuu S, DeLuca PA. Strategies for the assessment of pediatric gait in the clinical setting. Phys Ther 1991 Dec;71(12):961-80.

Schaars AH, Hendriksen H, Toornend JL, Zilvold G. Orthotic management of the lower extremity in cerebral palsy. Lower extremity orthoses in cerebral palsy. J Rehabil Sci 1990 Dec;3(4):113-7.

Stewart H, Noble G, Seeger BR. Isometric joystick: a study of control by adolescents and young adults with cerebral palsy. Aust Occup Ther J 1992 Mar; 39(1):33-9.

Stezala D. Application of computer method in motorial stimulation of children with cerebral palsy. Biomed Tech (Berlin) 1990;35 Suppl 2:84-5.

Sussman M. Orthopaedic treatment of spastic diplegia: role of early postoperative mobilization. Audio Dig Orthop [audiocassette] 1989 Feb;12(2):Sides A & B [presentation 1, 40 min.]. Accompanied by: 1 guide.

Thompson-Rangel T, Smith S, Griner D. Customized walker adaptions for a child with cerebral palsy. J Assoc Child Prosthet Orthot Clin 1992 Winter; 27(3):97-103.

Weber D. Use of the Hinged AFO for children with spastic cerebral palsy and midfoot instability. J Assoc Child Prosthet Orthot Clin 1991 Spring-1990 Winter;25(3-4):61-5.

Wheelchair propulsion by class II athletes with cerebral palsy: a quantitative look. Palaestra 1991 Spring; 7(3):12.

Congenital Hip & Knee Disorders

Atar D, Lehman WB, Grant AD. Pavlik harness pathology. Isr J Med Sci 1991 Jun;27(6):325-30.

Atar D, Lehman WB, Tenenbaum Y, Grant AD. Pavlik harness versus Frejka splint in the treatment of developmental dysplasia of the hip: bicenter study. J Pediatr Orthop 1993 May-Jun;13(3):311-3.

Bensahel H, Dal Monte A, Hjelmstedt A, Bjerkreim I, Wientroub S, Matasovic T, Porat S, Bialik V. Congenital dislocation of the knee. J Pediatr Orthop 1989 Mar-Apr;9(2):174-7.

Bernau A. [The T:ubingen hip flexion splint in the treatment of hip dysplasia]. Z Orthop 1990 Jul-Aug;128(4):432-5. (Ger).

Bull MJ, Stroup KB, Feller N. Information needs of parents of a child in a Pavlik harness [letter]. Orthop Nurs 1988 Sep-Oct;7(5):12.

Chevalier J, Cordonnier D, Vinchon B, Bayart M. [First-choice orthopedic treatment in congenital hip dislocations discovered after walking age]. Acta Orthop Belg 1990;56(1 Pt B):217-27. (Fre).

Corbett D. Information needs of parents of a child in a Pavlik harness. Orthop Nurs 1988 Mar-Apr;7(2): 20-3.

Curry LC, Gibson LY. Congenital hip dislocation: the importance of early detection and comprehensive treatment. Nurse Pract 1992 May;17(5):49-55.

Dunn PM. Complications of splintage in congenital dislocation of the hip [letter]. Arch Dis Child 1992 Apr;67(4):568.

el Andaloussi M, Harouchi A, Refass A, Lazrak F, Bennani S. [Neonatal treatment of congenital hip dislocation using an abduction pillow]. Acta Orthop Belg 1990;56(1 Pt A):149-54. (Fre).

Fernandez-Palazzi F, Silva JR. Congenital dislocation of the knee. Int Orthop 1990;14(1):17-9.

Fettweis E. Treatment of congenital dislocation of the hip in a squatting position, Fettweis method. Acta Orthop Belg 1990;56(1 Pt A):155-65.

Gardiner HM, Duncan AW. Radiological assessment of the effects of splinting on early hip development: results from a randomised controlled trial of abduction splinting vs sonographic surveillance. Pediatr Radiol 1992;22(3):159-62.

Gardiner HM, Dunn PM. Controlled trial of immediate splinting versus ultrasonographic surveillance in congenitally dislocatable hips. Lancet 1990 Dec 22-29;336(8730):1553-6.

Glover SD, Benson MK. Iliotibial band contracture after using the Pavlik harness. J Bone Joint Surg [Br] 1989 May;71(3):535.

Harris IE, Dickens R, Menelaus MB. Use of the Pavlik harness for hip displacements. When to abandon treatment. Clin Orthop 1992 Aug;(281): 29-33.

Herring JA. Conservative treatment of congenital dislocation of the hip in the newborn and infant. Clin Orthop 1992 Aug;(281):41-7.

Hinderaker T, Rygh M, Uden A. The von Rosen splint compared with the Frejka pillow. A study of 408 neonatally unstable hips. Acta Orthop Scand 1992 Aug;63(4):389-92.

Home Study Program. Congenital dysplasia of the hip. AORN J 1989 Jun;49(6):1563-612.

Jani L. [Conservative treatment of hip dysplasia/hip dislocation in infancy]. Z Orthop 1990 Jul-Aug; 128(4):361-4. (Ger).

Jones GT, Schoenecker PL, Dias LS. Developmental hip dysplasia potentiated by inappropriate use of the Pavlik harness. J Pediatr Orthop 1992 Nov-Dec; 12(6):722-6.

Kramer J, Schleberger R, Steffen R. Closed reduction by two-phase skin traction and functional splinting in mitigated abduction for treatment of congenital dislocation of the hip. Clin Orthop 1990 Sep;(258): 27-32.

Kuliev AM, Kuliev RA. [A splint for the treatment of congenital hip dislocation]. Ortop Travmatol Protez 1990 May;(5):50-1. (Rus).

Langkamer VG, Clarke NM, Witherow P. Complications of splintage in congenital dislocation of the hip. Arch Dis Child 1991 Nov;66(11): 1322-5.

Ley CC, Villar RN, Ronen A. Splinting for CDH: temporary splinting for the neonate. Prosthet Orthot Int 1990 Aug;14(2):85-6.

Lotem M. Use of the Pavlik harness in congenital dislocation of the hip [letter. J Bone Joint Surg [Am] 1991 Mar;73(3):472.

McHale KA, Corbett D. Parental noncompliance with Pavlik harness treatment of infantile hip problems. J Pediatr Orthop 1989 Nov-Dec;9(6):649-52.

Mitani S, Oda K, Tanabe G. Prediction for prognosis from radiologic measurements of patients treated with the Pavlik harness for congenital dislocation of the hip. J Pediatr Orthop 1993 May-Jun;13(3): 303-10.

Naumann T, Zahniel K. Comparing the rate of femoral head necrosis of two different treatments of congenital dislocation of the hip. J Pediatr Orthop 1990 Nov-Dec;10(6):780-5.

Otto KB, Baars GW, Nieder E. [Alloarthroplastic treatment of congenital hip dysplasia]. Orthopade 1989 Nov;18(6):470-82. (Ger).

Pavlik A. The functional method of treatment using a harness with stirrups as the primary method of conservative therapy for infants with congenital dislocation of the hip. 1957 [classical article]. Clin Orthop 1992 Aug;(281):4-10.

Pavlik A. Stirrups as an aid in the treatment of congenital dysplasias of the hip in children. By Arnold Pavlik, 1950 [classical article]. J Pediatr Orthop 1989 Mar-Apr;9(2):157-9.

Polanuer PA, Harcke HT, Bowen JR. Effective use of ultrasound in the management of congenital dislocation and/or dysplasia of the hip. Clin Orthop 1990 Mar;(252):176-81.

Rombouts JJ, Kaelin A. Inferior (obturator) dislocation of the hip in neonates. A complication of treatment by the Pavlik harness. J Bone Joint Surg [Br] 1992 Sep;74(5):708-10.

Schaming D, Gorry M, Soroka K, Catullo ME. When babies are born with orthopedic problems. RN 1990 Apr;53(4):62-7.

Schneider E, Niethard FU, Lukoschek M. [Congenital hip dysplasia]. Dtsch Krankenpflegez 1990 Nov; 43(11):812-6. (Ger).

Shoppee K. Developmental dysplasia of the hip. Orthop Nurs 1992 Sep-Oct;11(5):30-6.

Speers AT, Speers M. Care of the infant in a Pavlik harness. Pediatr Nurs 1992 May-Jun;18(3):229-32, 252.

Staheli LT. Management of congenital hip dysplasia. Pediatr Ann 1989 Jan;18(1):24, 26-7, 29-32.

Staheli LT. Managing hip dysplasia. Audio Dig Orthop [audiocassette] 1990 Nov;13(11):Side A [presentation 1, 17 min.]. Accompanied by: 1 guide.

Steffen R, Schleberger R, Fett H. [Ultrasound control of the repositioning of hip dislocation in a child in the unstable phase of splint retention (Hanausek position)]. Z Orthop 1990 Jan-Feb;128(1):83-9. (Ger).

Stromqvist B, Sunden G. CDH diagnosed at 2 to 12 months of age--treatment and results. J Pediatr Orthop 1989 Mar-Apr;9(2):208-12.

Suzuki S. Ultrasound and the Pavlik harness in CDH. J Bone Jt Surg Br 1993 May;75(3):483-7.

Suzuki S, Yamamuro T. Avascular necrosis in patients treated with the Pavlik harness for congenital dislocation of the hip. J Bone Jt Surg (Am) 1990 Jul;72(7):1048-55.

Teloken M. Current concepts review. Reduction of congenital dislocation of the hip [letter]. J Bone Joint Surg [Am] 1992 Dec;74(10):1579.

Theodorou SD. Conservative treatment of congenital dislocation of the hip in infants 1 to 9 months of age. Acta Orthop Belg 1990;56(1 Pt A):167-75.

Theodorou SD, Gerostathopoulos N. Congenital dislocation of the hip. Observations on the early diagnosis and results of treatment with an abduction brace in infants two to nine months of age in Greece. Clin Orthop 1989 Sep;(246):22-9.

Thom H. [Prevention of hip dislocation in children with spastic paralysis by using a specific therapeutic wheelchair]. Rehabilitation (Stuttg) 1991 Aug;30(3):109-15. (Ger).

Tonnis D. Ischemic necrosis as a complication of treatment of C.D.H. Acta Orthop Belg 1990; 56(1 Pt A):195-206.

Touzet P, Chaumien JP, Rigault P, Padovani JP. [Pavlik's harness in congenital hip dislocation before the first birthday]. Acta Orthop Belg 1990;56(1 Pt A):141-7. (Fre).

Tredwell SJ, Davis LA. Prospective study of congenital dislocation of the hip. J Pediatr Orthop 1989 Jul-Aug;9(4):386-90.

Tucci JJ, Kumar SJ, Guille JT, Rubbo ER. Late acetabular dysplasia following early successful Pavlik harness treatment of congenital dislocation of the hip. J Pediatr Orthop 1991 Jul-Aug;11(4): 502-5.

Vaucher D, Dutoit M, Anderegg A. [Early diagnosis and ambulatory treatment of congenital dislocation of the hip]. Rev Med Suisse Romande 1990 Mar; 110(3):265-70. (Fre).

Viere RG, Birch JG, Herring JA, Roach JW, Johnston CE. Use of the Pavlik harness in congenital dislocation of the hip. An analysis of failures of treatment. J Bone Jt Surg (Am) 1990 Feb;72(2): 238-34.

Osteogenesis Imperfecta

Bender LH. Part 2. Osteogenesis imperfecta. Orthop Nurs 1991 Jul-Aug;10(4):23-32.

Binder H, Conway A, Gerber LH. Rehabilitation approaches to children with osteogenesis imperfecta: a ten-year experience. Arch Phys Med Rehabil 1993 Apr;74(4):386-90.

Gerber LH, Binder H, Weintrob J, Grange DK, Shapiro J, Fromherz W, Berry R, Conway A, Nason S, Marini J. Rehabilitation of children and infants with osteogenesis imperfecta. A program for ambulation. Clin Orthop 1990 Feb;(251):254-62.

Rao S, Patel A, Schildhauer T. Osteogenesis imperfecta as a differential diagnosis of pathologic burst fractures of the spine. A case report. Clin Orthop 1993 Apr;(289):113-7.

Slongo T, Kehrer B, Braga S, Rudeberg A. [Experiences with the early treatment of osteogenesis imperfecta]. Z Kinderchir 1989 Oct;44(5):293-6. (Ger).

Legg-Calvé-Perthes Disease

Dostal M, Hradil J, Mihal V, Andresova S. [A distraction abduction apparatus for treatment of Calvé-Legg-Perthes disease]. Acta Chir Orthop Traumatol Cech 1989 Dec;56(6):516-21. (Cze).

Dunst RM. Legg-Calvé-Perthes disease. Orthop Nurs 1990 Mar-Apr;9(2):18-27.

Fackler CD. Nonsurgical treatment of Legg-Calvé-Perthes disease. Instr Course Lect 1989;38:305-8.

Herring JA, Williams JJ, Neustadt JN, Early JS. Evolution of femoral head deformity during the healing phase of Legg-Calvé-Perthes disease. J Pediatr Orthop 1993 Jan-Feb;13(1):41-5.

Martinez AG, Weinstein SL, Dietz FR. The weight-bearing abduction brace for the treatment of Legg-Perthes disease. J Bone Joint Surg [Am] 1992 Jan;74(1):12-21.

Meehan PL, Angel D, Nelson JM. The Scottish Rite abduction orthosis for the treatment of Legg-Perthes disease. A radiographic analysis. J Bone Joint Surg [Am] 1992 Jan;74(1):2-12.

Mukherjee A, Fabry G. Evaluation of the prognostic indices in Legg-Calvé-Perthes disease: statistical analysis of 116 hips. J Pediatr Orthop 1990 Mar-Apr;10(2):153-8.

Rejholec M, Vosatka J, Sadil K. [Conservative containment in the treatment of Legg-Calvé-Perthes disease]. Acta Chir Orthop Traumatol Cech 1990 Apr;57(2):178-84. (Cze).

Savvidis E, Loer F. [A treatment principle with questionable effectiveness in Perthes disease]. Z Orthop Ihre Grenzgeb 1992 Mar-Apr;130(2):120-4. (Ger).

Stearns ZR, Lacassie Y, MacEwen GD. Perthes-like disease and the tricho-rhino-phalangeal syndromes: the first black patient. Orthopedics 1990 Apr;13(4):468-73.

Stein V, Horner K. [The abduction orthosis, a therapeutic variant in Perthes' disease]. Beitr Orthop Traumatol 1990 Apr;37(4):242-5. (Ger).

Tamura K. [Selection of containment treatment for Legg-Calvé-Perthes disease]. Nippon Seikeigeka Gakkai Zasshi 1991 Nov;65(11):1152-61. (Jpn).

Yrjonen T. Prognosis in Perthes disease after noncontainment treatment. 106 hips followed for 28-47 years. Acta Orthop Scand 1992 Oct;63(5):523-6.

Clubfoot, Flatfoot, & Other Foot Disorders

Alexander IJ, Campbell KR. Dynamic assessment of foot mechanics as an adjunct to orthotic prescription. In: Donatelli R, Wolf SL, eds. Biomechanics of the foot and ankle. Philadelphia: F.A. Davis; 1990. p. 148-52. (Contemporary perspectives in rehabilitation; vol. 3).

Anthony RJ. The manufacture and use of the functional foot orthosis. Basel; New York: Karger; 1991. 219 p.

Arzhannikova EE, Shikhmagomedov AA. [Providing orthotic devices to children with diseases of the ankle joint]. Ortop Travmatol Protez 1990 Feb;(2): 55-6. (Rus).

Beaty JH, Canale ST. Orthopaedic aspects of myelomeningocele. J Bone Joint Surg [Am] 1990 Apr;72(4):626-30.

Bensahel H, Guillaume A, Czukonyi Z, Desgrippes Y. Results of physical therapy for idiopathic clubfoot: a long-term follow-up study. J Pediatr Orthop 1990 Mar-Apr;10(2):189-92.

Bergmann JN. History and mechanical control of heel spur pain. Clin Podiatr Med Surg 1990 Apr;7(2): 243-59.

Birke JA, Novick A, Graham SL, Coleman WC, Brasseaux DM. Methods of treating plantar ulcers. Phys Ther 1991 Feb;71(2):116-22.

Blake RL, Ferguson H. Extrinsic rearfoot posts. J Am Podiatr Med Assoc 1992 Apr;82(4):202-7.

Blake RL, Ferguson H. Foot orthosis for the severe flatfoot in sports. J Am Podiatr Med Assoc 1991 Oct;81(10):549-55.

Blanco JS, Herring JA. Congenital Chopart amputation. A functional assessment. Clin Orthop 1990 Jul;(256):14-21.

Blauth W, Hippe P. The surgical treatment of partial tibial deficiency and ankle diastasis. Prosthet Orthot Int 1991 Aug;15(2):127-30.

Bowker JH. Medical and surgical considerations in the care of patients with insensate dyvascular feet. J Prosthet Orthot 1991 Fall;4(1):23-30.

Brantingham JW, Snyder WR, Michaud T. Morton's neuroma. J Manip Physiol Ther 1991;14(5): 317-22.

Budiman-Mak E, Conrad KJ, Roach KE. The Foot Function Index: a measure of foot pain and disability. J Clin Epidemiol 1991;44(6):561-70.

Caselli MA, Cohen-Sobel E, Thompson J, Adler J, Gonzalez L. Biomechanical management of children and adolescents with Down syndrome. J Am Podiatr Med Assoc 1991 Mar;81(3):119-27.

Chantelau E, Kushner T, Spraul M. How effective is cushioned therapeutic footwear in protecting diabetic feet? A clinical study. Diabetic Med 1990 May;7(4):355-9.

Chu T. Three-dimensional finite element stress analysis of a polymeric orthotic device: biomechanics of the ankle-foot orthosis [dissertation]. Akron (OH): University of Akron; 1992. 258 p.

Cohen J, Cowell HR. Corrective shoes [editorial]. J Bone Joint Surg [Am] 1989 Jul;71(6):799.

Cornwall MW, McPoil TG. Effect of rearfoot posts in reducing forefoot forces. A single-subject design. J Am Podiatr Med Assoc 1992 Jul;82(7):371-4.

Corrective Shoes and Inserts as Treatment for Flexible Flatfoot in Infants and Children [letter]. J Bone Joint Surg [Am] 1989 Jul;71(6):953-4.

Corrective shoes and inserts as treatment for flexible flatfoot in infants and children [letter]. J Bone Joint Surg [Am] 1990 Mar;72(3):470-3.

Davidson MR, Copoloff JA. Neuromas of the heel. Clin Podiatr Med Surg 1990 Apr;7(2):271-88.

Donatelli R, Wooden M. Biomechanical orthotics. In: Donatelli R, Wolf SL, eds. Biomechanics of the foot and ankle. Philadelphia: F.A. Davis; 1990. p. 193-216. (Comprehensive perspectives in rehabilitation; vol. 3).

Donatto KC, Rightor N, D'Ambrosia R. Custom-molded orthotics in postoperative hallux valgus immobilization. Orthopedics 1992 Apr;15(4): 449-51.

Eng JJ, Pierrynowski MR. Evaluation of soft foot orthotics in the treatment of patellofemoral pain syndrome. Phys Ther 1993 Feb;73(2):62-8; discussion 68-70.

Exner GU. [Current aspects of treatment for clubfoot in infants and young children]. Schweiz Rundsch Med Prax 1990 Nov 20;79(47):1452-6. (Ger).

Ferguson H, Raskowsky M, Blake RL, Denton JA. TL-61 versus Rohadur orthoses in heel spur syndrome. J Am Podiatr Med Assoc 1991 Aug; 81(8):439-42.

Flat feet in children [letter]. BMJ 1990 Dec 8; 301(6764):1330-1.

Gaynor R, Hake D, Spinner SM, Tomczak RL. A comparative analysis of conservative versus surgical treatment of Morton's neuroma. J Am Podiatr Med Assoc 1989 Jan;79(1):27-30.

Grant AD, Atar D, Lehman WB. Ilizarov technique in correction of foot deformities: a preliminary report. Foot Ankle 1990 Aug;11(1):1-5.

Hicks JE, Leonard JA Jr, Nelson VS, Fisher SV, Esquenazi A. Prosthetics, orthotics, and assistive devices. 4. Orthotic management of selected disorders. Arch Phys Med Rehabil 1989 May; 70(5-S):S210-7.

Holmes GB Jr, Timmerman L. A quantitative assessment of the effect of metatarsal pads on plantar pressures. Foot Ankle 1990 Dec;11(3): 141-5.

Ikeda K. Conservative treatment of idiopathic clubfoot. J Pediatr Orthop 1992 Mar-Apr;12(2): 217-23.

Jaivin JS, Bishop JO, Braly WG, Tullos HS. Management of acquired adult dropfoot. Foot Ankle 1992 Feb;13(2):98-104.

Jay RM, Schoenhaus HD. Hyperpronation control with a dynamic stabilizing innersole system. J Am Podiatr Med Assoc 1992 Mar;82(3):149-53.

Jones DC. Foot orthoses. Instr Course Lect 1993;42: 219-24.

Keessen W, van der Eijken JW, Diepstraten AF. [The treatment of congenital clubfoot in The Netherlands; results of a survey among orthopedic surgeons]. Ned Tijdschr Geneeskd 1992 Aug 29;136(35):1710-2. (Dut).

Kudriavtsev VA, Kiselev AL, Kozlov DI, Kaluzhskaia MO, Matveeva EG. [Orthopedic devices for footwear in flatness of the anterior part of the foot]. Ortop Travmatol Protez 1991 Sep;(9):28-31. (Rus).

Kudriavtsev VA, Rozhkov AV, Ogorodnikov VI. [Insertable orthopedic devices in the treatment of flatness of the anterior section of the foot and valgus deviation of the great toe]. Ortop Travmatol Protez 1990 Sep;(9):9-11. (Rus).

Larsen K, Holstein P, Deckert T. Limb salvage in diabetics with foot ulcers. Prosthet Orthot Int 1989 Aug;13(2):100-3.

Lehmann JF, de Lateur BJ. Lower extremity orthotics. In: Kottke FJ, Lehman JF. Krusen's handbook of physical medicine and rehabilitation. 4th ed. Philadelphia: Saunders; 1990. p. 602-46.

Levitz SJ, Dykyj D. Improvements in the design of viscoelastic heel orthoses. A clinical study. J Am Podiatr Med Assoc 1990 Dec;80(12):653-6.

Lieberson S, Mendes DG. Congenital hallux valgus. Orthopedics 1991 May;14(5):588-94.

Lofvenberg R, Karrholm J. The influence of an ankle orthosis on the talar and calcaneal motions in chronic lateral instability of the ankle. A stereophotogrammetric analysis. Am J Sports Med 1993 Mar-Apr;21(2):224-30.

Lord M, Foulston J. Clinical trial of a computer-aided system for orthopaedic shoe upper design. Prosthet Orthot Int 1991 Apr;15(1):11-7.

Mann DC, Hoffer MM. Flat foot in spastic cerebral palsy. Semin Orthop 1989;4(4):277-88.

Marcinko DE, Azzolini TJ, Mariash SA. Enigma of pediatric vertical talus deformity. J Foot Surg 1990 Sep-Oct;29(5):452-8.

McPoil TG Jr, Adrian M, Pidcoe P. Effects of foot orthoses on center-of-pressure patterns in women. Phys Ther 1989 Feb;69(2):149-54.

Michaud TC. Foot orthoses and other forms of conservative foot care. Baltimore : Williams & Wilkins; 1993.

Mills JA, Menelaus MB. Hallux varus. J Bone Joint Surg [Br] 1989 May;71(3):437-40.

Novick A, Birke JA, Hoard AS, Brasseaux DM, Broussard JB, Hawkins ES. Rigid orthoses for the insensitive foot: the rigid-relief orthosis. J Prosthet Orthot 1991 Fall;4(1):31-40.

Novick A, Kelley DL. Position and movement changes of the foot with orthotic intervention during the loading response of gait. J Orthop Sports Phys Ther 1990;11(7):301-12.

Novick A, Stone J, Birke JA, Brasseaux, Broussard JB, Hoard AS, Hawkins ES. Reduction of plantar pressure with the rigid relief orthosis. J Am Podiatr Med Assoc 1993 Mar;83(3):115-22.

Ohsawa S, Ikeda S, Tanaka S, Takahashi T, Takeuchi T, Utsunomiya M, Ueno R, Ohkura M, Ito Y, Katagi Y, et al. A new model of plastic ankle foot orthosis (FAFO (II)) against spastic foot and genu recurvatum. Prosthet Orthot Int 1992 Aug;16(2): 104-8.

Pal'gov KA, Idrisova RS. [Functional treatment of congenital clubfoot in infants]. Ortop Travmatol Protez 1990 Nov;(11):57-8. (Rus).

Philps JW. The functional foot orthosis. Edinburgh: Churchill Livingstone; 1990. 180 p.

Reinherz RP. Varus-rotated fifth digits are frequently observed during podopediatric examination [editorial]. J Foot Surg 1991 Sep-Oct;30(5): 429-30.

Ruttimann B. [Orthopedic technical and surgical measures in the diabetic foot]. Ther Umsch 1990 Jan;47(1):63-70. (Ger).

Sanner WH. The functional foot orthosis prescription. In: Jay RM, ed. Current therapy in podiatric surgery. Philadelphia: Decker; 1989. p. 302-14.

Schaars AH, Postema K. Conservative treatment of foot deformities in Duchenne Muscular Dystrophy. J Rehabil Sci 1990 Jun;3(2):49-52.

Schaming D, Gorry M, Soroka K, Catullo ME. When babies are born with orthopedic problems. RN 1990 Apr;53(4):62-7.

Schepsis AA, Leach RE, Gorzyca J. Plantar fasciitis. Etiology, treatment, surgical results, and review of the literature. Clin Orthop 1991 May;(266):185-96.

Staheli LT. Lower positional deformity in infants and children: a review. J Pediatr Orthop 1990 Jul-Aug; 10(4):559-63.

Staheli LT. Shoes for children: a review. Pediatrics 1991 Aug;88(2):371-5.

Stephens MM. Congenital talipes equinovarus [editorial]. Ir Med J 1990 Jun;83(2):48-9.

Stromqvist B, Johnsson R, Jonsson K, Sunden G. Early intensive treatment of clubfoot. 75 feet followed for 6-11 years. Acta Orthop Scand 1992 Apr;63(2):183-8.

Subotnick SI, Block AJ. Retrocalcaneal problems. Clin Podiatr Med Surg 1990 Apr;7(2):323-32.

Tax HR. Conservative treatment of flatfoot in the newborn. Clin Podiatr Med Surg 1989 Jul;6(3): 521-36.

Taylor TL. Idiopathic flexible flatfoot in the adolescent. Clin Podiatr Med Surg 1989 Jul;6(3): 537-53.

Ullman BC, Brncic M. Orthotic and pedorthotic management of the diabetic foot. In: Sammarco GJ, ed. The foot in diabetes. Malvern (PA): Lea & Febiger; 1991. p. 207-24.

Viladot A. Surgical treatment of the child's flatfoot. Clin Orthop 1992 Oct;(283):34-8.

Vitek M, Kerkoc P. [Treatment of positional anomalies of the foot with a functional supportive inlay]. Z Orthop 1989 Jan-Feb;127(1):15-21. (Ger).

Vosatka J, Vrbicky B. [Technical orthopedic care of the diseased and deformed foot]. Acta Chir Orthop Traumatol Cech 1989 Jul;56(4):365-73. (Cze).

Wapner KL, Sharkey PF. The use of night splints for treatment of recalcitrant plantar fasciitis. Foot Ankle 1991 Dec;12(3):135-7.

Wenger DR, Mauldin D, Speck G, Morgan D, Lieber RL. Corrective shoes and inserts as treatment for flexible flatfoot in infants and children. J Bone Joint Surg [Am] 1989 Jul;71(6):800-10.

White FJ. Orthotics. In: Drennan JC, ed. Child's foot and ankle. New York: Raven Press; 1992. p. 71-96.

Wientroub S, Khermosh O. A new orthosis for the management of clubfoot and other foot and leg deformities in infancy and early childhood. J Pediatr Orthop 1991 Jul-Aug;11(4):485-7.

Wooden MJ. Biomechanical evaluation for functional orthotics. In: Donatelli R, Wolf SL, eds. Biomechanics of the foot and ankle. Philadelphia: F.A. Davis; 1990. p. 131-47. (Contemprary perspectives in rehabilitation; vol. 3).

Wu KK. Foot orthoses: principles and clinical applications. Baltimore: Williams & Wilkins; 1990. 379 p.

Wu UC, Press J. Prosthetics and rehabilitation in the diabetic amputee. In: Sammarco GJ, ed. The foot in diabetes. Malvern (PA): Lea & Febiger; 1991. p. 194-206.

Yale JF. The conservative treatment of adult flexible flatfoot. Clin Podiatr Med Surg 1989 Jul;6(3): 555-60.

Yamamoto H, Furuya K. Treatment of congenital club foot with a modified Denis Browne splint. J Bone Joint Surg [Br] 1990 May;72(3):460-3.

Yamamoto H, Okumura S, Morita S, Obata K, Furuya K. Surgical correction of foot deformities after stroke. Clin Orthop 1992 Sep;(282):213-8.

Rett Syndrome

Aron M. The use and effectiveness of elbow splints in the Rett syndrome. Brain Dev 1990;12(1):162-3.

Kubas ES. Use of splints to develop hand skills in a woman with Rett syndrome. Am J Occup Ther 1992 Apr;46(4):364-8.

Sharpe PA. Comparative effects of bilateral hand splints and an elbow orthosis on stereotypic hand movements and toy play in two children with Rett syndrome. Am J Occup Ther 1992 Feb;46(2): 134-40.

Sharpe PA, Ottenbacher KJ. Use of an elbow restraint to improve finger-feeding skills in a child with Rett syndrome]. Am J Occup Ther 1990 Apr;44(4): 328-32.

Tuten H, Miedaner J. Effect of hand splints on stereotypic hand behavior of girls with Rett syndrome: a replication study. Phys Ther 1989 Dec;69(12):1099-103.

Wenberg SJ. The term restraints is archaic [letter]. Am J Occup Ther 1991 Jan;45(1):86.

Diabetes

Birke JA, Novick A, Graham SL, Coleman WC, Brasseaux DM. Methods of treating plantar ulcers. Phys Ther 1991 Feb;71(2):116-22.

Black JR. Management of diabetic plantar ulcers with a walking brace. A clinical trial. J Am Podiatr Med Assoc 1990 Mar;80(3):156-7.

Bowker JH. Medical and surgical considerations in the care of patients with insensate dyvascular feet. J Prosthet Orthot 1991 Fall;4(1):23-30.

Chantelau E, Kushner T, Spraul M. How effective is cushioned therapeutic footwear in protecting diabetic feet? A clinical study. Diabetic Med 1990 May;7(4):355-9.

De Luccia N, Pinto MA, Guedes JP, Albers MT. Rehabilitation after amputation for vascular disease: a follow-up study. Prosthet Orthot Int 1992 Aug; 16(2):124-8.

Larsen K, Holstein P, Deckert T. Limb salvage in diabetics with foot ulcers. Prosthet Orthot Int 1989 Aug;13(2):100-3.

Miault D, Brun JP, Duupre JC, Pill M, Miault P, Deschamps E, Priollet P, Laurian C, Fichelle JM, Cormier JM, [Foot equipment of diabetic arteriopathy]. J Mal Vasc 1993;18(1):42-6. (Fre).

Michael JW, Isbell MA, Harrelson JM. Orthotic-management of diabetic neuropathic arthropathy. J Prosthet Orthot 1991 Fall;4(1):45-55.

Nawoczenski DA, Birke JA, Graham SL, Koziatek E. The neuropathic foot--a management scheme: a case report. Phys Ther 1989 Apr;69(4):287-91.

Novick A, Birke JA, Hoard AS, Brasseauz DM, Broussard JB, Hawkins ES. Rigid orthoses for the insensitive foot: the rigid-relief orthosis. J Prosthet Orthot 1991 Fall;4(1):31-40.

Ruttimann B. [Orthopedic technical and surgical measures in the diabetic foot]. Ther Umsch 1990 Jan;47(1):63-70. (Ger).

Ullman BC, Brncic M. Orthotic and pedorthotic management of the diabetic foot. In: Sammarco GJ, ed. The foot in diabetes. Malvern (PA): Lea & Febiger; 1991. p. 207-24.

Wu UC, Press J. Prosthetics and rehabilitation in the diabetic amputee. In: Sammarco GJ, ed. The foot in diabetes. Malvern (PA): Lea & Febiger; 1991. p. 194-206.

Zhu H. In-shoe plantar pressure distribution under sensate and insensate feet [dissertation]. Milwaukee (WI): Marquette University; 1991. 103 p.

Leprosy

Antia NH. Plastic footwear for leprosy. Lepr Rev 1990 Mar;61(1):73-8.

Birke JA, Novick A, Graham SL, Coleman WC, Brasseaux DM. Methods of treating plantar ulcers. Phys Ther 1991 Feb;71(2):116-22.

Bowker JH. Medical and surgical considerations in the care of patients with insensate dyvascular feet. J Prosthet Orthot 1991 Fall;4(1):23-30.

Kulkarni VN, Antia NH, Mehta JM. Newer designs in foot-wear for leprosy patients. Indian J Lepr 1990 Oct-Dec;62(4):483-7.

Meanley S. Rehabilitation engineering and leprosy in Nepal: a personal view. J Med Eng Technol 1992 Jul-Aug;16(4):165-9.

Novick A, Birke JA, Hoard AS, Brasseaux DM, Broussard JB, Hawkins ES. Rigid orthoses for the insensitive foot: the rigid-relief orthosis. J Prosthet Orthot 1991 Fall;4(1):31-40.

Shah A, Saluja K. Rehabilitation in Hansen's disease. Int Disabil Stud 1991 Oct-Dec;13(4):125-33.

Vulliet F, Tschibangu P. [Treatment and rehabilitation of disabilities caused by leprosy at a rural hospital (Kapolowe, Zaire)]. Acta Leprol 1990;7(3):225-8. (Fre).

Watts HG. Management of common Third World orthopaedic problems: paralytic poliomyelitis, tuberculosis of bones and joints, Hansen's disease (leprosy), and chronic osteomyelitis. Instr Course Lect 1992;41:471-8.

Yawalkar S, Shah A, Ganapati R, Yan LB, Zhang GC, Chen H, Westmacott K, Osterwalder W. Modulan grip-aids for leprosy patients. Int J Lepr Other Mycobact Dis 1992 Jun;60(2):250-4.

Burns

Ader PB, Nadel E, Wingate L. A survey of postoperative elbow immobilization approaches. J Burn Care Rehabil 1992 May-Jun;13(3):365-70.

A better splint for the burned hand. Emergency Med 1989 Jun 30;21(12):66, 68.

Bhattacharya S, Bhatnagar SK, Chandra R. Postburn contracture of the neck--our experience with a new dynamic extension splint. Burns 1991 Feb;17(1): 65-7.

Cheng JC. Dynamic pressure therapy for scars in the finger web spaces. J Hand Surg [Am] 1991 Jan; 16(1):176-7.

Dobner DL. A prosthetic harness adaptation. Arch Phys Med Rehabil 1990 May;71(6):436-8.

Fletchall S, Hickerson WL. Early upper-extremity prosthetic fit in patients with burns. J Burn Care Rehabil 1991 May-Jun;12(3):234-6.

Fletchall S, Tran T, Ungaro V, Hickerson W. Updating upper extremity temporary prosthesis: thermoplastics. J Burn Care Rehabil 1992 Sep-Oct;13(5):584-6.

Harden NG, Luster SH. Rehabilitation considerations in the care of the acute burn patient. Crit Care Nurs Clin North Am 1991 Jun;3(2):245-53.

Hicks JE, Leonard JA Jr, Nelson VS, Fisher SV, Esquenazi A. Prosthetics, orthotics, and assistive devices. 4. Orthotic management of selected disorders. Arch Phys Med Rehabil 1989 May; 70(5-S):S210-7.

Howell JW. Management of the acutely burned hand for the nonspecialized clinician. Phys Ther 1989 Dec;69(12):1077-90.

Kaufman T, Newman RA, Weinberg A, Wexler MR. The Kerlix tongue-depressor splint for skin-grafted areas in burned children. J Burn Care Rehabil 1989 Sep-Oct;10(5):462-3.

Kealey GP, Chang P, Laubenthal KN, Jensen KL. Physical therapy: a vital aspect of burn care. Crit Rev Phys Rehabil Med 1991;2(4):227-42.

LaStayo P, Flowers K. Correction: torque and the quantification of joint stiffness [letter]. J Burn Care Rehabil 1992 Jan-Feb;13(1):118-9.

Leman CJ. Splints and accessories following burn reconstruction. Clin Plast Surg 1992 Jul;19(3): 721-31.

Luster SH, Patterson PE, Cioffi WG, Mason AD Jr, McManus WF, Pruitt BA Jr. An evaluation device for quantifying joint stiffness in the burned hand. J Burn Care Rehabil 1990 Jul-Aug;11(4):312-7.

Nabizadeh SA, Hardee TB, Towler MA, Chen VT, Edlich RF. Technical considerations in the selection and performance of walkers. J Burn Care Rehabil 1993 Mar-Apr;14(2 Pt 1):182-8.

Puddicombe BE, Nardone MA. Rehabilitation of the burned hand. Hand Clin 1990 May;6(2):281-92.

Roberts L, Alvarado MI, McElroy K, Rutan RL, Robson MC, Herndon DN. Analysis of materials for splinting of the thermally injured patient. J Burn Care Rehabil 1991 May-Jun;12(3):268-9.

Ross BW, Krilov MA. A patellar-tendon-bearing orthosis used in pediatric burn rehabilitation. Arch Phys Med Rehabil 1992 Oct;73(10):950-2.

Schnebly WA, Ward RS, Warden GD, Saffle JR. A nonsplinting approach to the care of the thermally injured patient. J Burn Care Rehabil 1989 May-Jun;10(3):263-6.

Schwanholt C, Daugherty MB, Gaboury T, Warden GD. Splinting the pediatric palmar burn. J Burn Care Rehabil 1992 Jul-Aug;13(4):460-4.

van Straten O. A dynamic mouth splint for the patient with facial burns. J Burn Care Rehabil 1991 Mar-Apr;12(2):174-6.

van Straten O. An unusual positioning pillow for use with burns. J Burn Care Rehabil 1991 Mar-Apr; 12(2):170-1.

van-Straten O, Atar D, Ben-Yakar Y. Rehabilitation of the hand after an explosion injury. Am J Occup Ther 1991 Oct;45(10):937-40.

van Straten O, Shemesh Y, Rosenberg L. Modern static splinting for an age-old problem--burns. J Burn Care Rehabil 1991 Mar-Apr;12(2):172-4.

Ward RS. The rehabilitation of burn patients. Crit Rev Phys Rehabil Med 1991;2(3):121-38.

Ward RS, Hayes-Lundy C, Schnebly WA, Saffle JR. Prosthetic use in patients with burns and associated limb amputations. J Burn Care Rehabil 1990 Jul-Aug;11(4):361-4.

Ward RS, Schnebly WA, Kravitz M, Warden GD, Saffle JR. Have you tried the sandwich splint? A method of preventing hand deformities in children. J Burn Care Rehabil 1989 Jan-Feb;10(1):83-5.

Wright MP, Taddonio TE, Prasad JK, Thomson PD. The microbiology and cleaning of thermoplastic splints in burn care. J Burn Care Rehabil 1989 Jan-Feb;10(1):79-83.

Multiple Sclerosis & Other Neuromuscular Disorders

al-Turaiki MHS. Poliomyelitis and orthotic management at riyadh medical rehabilitation centre: a retrospective study. J Prosthet Orthot 1989 Jan; 1(2):76-81.

Aston JW Jr. Post-polio syndrome. An emerging threat to polio survivors. Postgrad Med 1992 Jul; 92(1):249-56, 260.

Bach JR, Zeelenberg AP, Winter C. Wheelchair-mounted robot manipulators. Long term use by patients with Duchenne muscular dystrophy. Am J Phys Med Rehabil 1990 Apr;69(2):55-9.

Bowker JH. Neurological aspects of prosthetic/orthotic practice. J Prosthet Orthot 1993 Apr;5(2):55-8.

Brooke MH, Fenichel GM, Griggs RC, Mendell JR, Moxley R, Florence J, King WM, Pandya S, Robison J, Schierbecker J, et al. Duchenne muscular dystrophy: patterns of clinical progression and effects of supportive therapy. Neurology 1989 Apr;39(4):475-81.

Dean E. Clinical decision making in the management of the late sequelae of poliomyelitis. Phys Ther 1991 Oct;71(10):752-61.

Fisher SV. Spinal orthoses. In: Kottke FJ, Lehman JF. Krusen's handbook of physical medicine and rehabilitation. 4th ed. Philadelphia: Saunders; 1990. p. 593-601.

Guidera KJ, Smith S, Raney E, Frost J, Pugh L, Griner D, Ogden JA. Use of the reciprocating gait orthosis in myelodysplasia. J Pediatr Orthop 1993 May-Jun;13(3):341-8.

Harlow ML, Russ JC, Nolinske TL, et al. Orthotic management of the spine. In: Meyer PR. Surgery of spine trauma. New York: Churchill Livingstone; 1989. p. 279-304.

Heckmatt J, Rodillo E, Dubowitz V. Management of children: pharmacological and physical. Br Med Bull 1989 Jul;45(3):788-801.

Hsu JD, Furumasu J. Gait and posture changes in the Duchenne muscular dystrophy child. Clin Orthop 1993 Mar;(288):122-5.

Langlois S, MacKinnon JR, Pederson L. Hand splints and cerebral spasticity: a review of the literature. Can J Occup Ther 1989 Jun;56(3):113-9.

Langlois S, Pederson L, MacKinnon JR. The effects of splinting on the spastic hemiplegic hand: report of a feasibility study. Can J Occup Ther 1991 Apr; 58(1):17-25.

Lord J, Behrman B, Varzos N, Cooper D, Lieberman JS, Fowler WM. Scoliosis associated with Duchenne muscular dystrophy. Arch Phys Med Rehabil 1990 Jan;71(1):13-7.

Massagli TL. Spasticity and its management in children. Phys Med Rehabil Clin North Am 1991 Nov;2(4):867-89.

Moreau C. [Myopathies]. Rev Infirm 1989 Nov; 39(18):27-31. (Fre).

Ricks NR, Eilert RE. Effects of inhibitory casts and othoses on bony alignment of foot and ankle during weight-bearing in children with spasticity. Dev Med Child Neurol 1993 Jan;35(1):11-6.

Sauter WF, Bush G, Sommerville J. A single case study: myoelectrically controlled exoskeletal mobilizer for amyotrophic lateral sclerosis (ALS) patients. Prosthet Orthot Int 1989 Dec;13(3):145-8.

Schaars AH, Postema K. Conservative treatment of foot deformities in Duchenne Muscular Dystrophy. J Rehabil Sci 1990 Jun;3(2):49-52.

Stallard J, Henshaw JH, Lomas B, Poiner R. The ORLAU VCG (variable centre of gravity) swivel walker for muscular dystrophy patients. Prosthet Orthot Int 1992 Apr;16(1):46-8.

Waring WP, Maynard F, Grady W, Grady R, Boyles C. Influence of appropriate lower extremity orthotic management on ambulation, pain, and fatigue in a postpolio population. Arch Phys Med Rehabil 1989 May;70(5):371-5.

Paralysis

-General

Andrews BJ, Cobelli C, Mariani L. Rule based control of hybrid FES orthoses. In: Cobelli C, Mariani L, eds. Modelling and control in biomedical systems: selected papers from the 1st IFAC Symposium; 1988 Apr 6-8; Venice, Italy. New York: Pergamon Press; 1989. p. 287-94.

Baskin LS, Schmidt RA. Bladder rehabilitation with dorsal rhizotomy and ventral neuroprosthesis. Paraplegia 1992 Nov;30(11):783-7.

Charney EB, Melchionni JB, Smith DR. Community ambulation by children with myelomeningocele and high-level paralysis. J Pediatr Orthop 1991 Sep-Oct;11(5):579-82.

Closson JB, Toerge JE, Ragnarsson KT, Parsons KC, Lammertse DP. Rehabilitation in spinal cord disorders. 3. Comprehensive management of spinal cord injury. Arch Phys Med Rehabil 1991 Mar; 72(4-S):S298-308.

Embrey DG, Yates L, Mott DH. Effects of neuro-developmental treatment and orthoses on knee flexion during gait: a single-subject design. Phys Ther 1990 Oct;70(10):626-37.

Enzenauer RJ, Nordstrom DM. Anterior interosseous nerve syndrome associated with forearm band treatment of lateral epicondylitis. Orthopedics 1991 Jul;14(7):788-90.

Handa Y, Hoshimiya N, Kim Y, Spelman FA. Multichannel FES for motor control of the disabled. In: Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 11th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1989 Nov 9-12; Seattle, WA. Vol. 3. Piscataway (NJ): IEEE; 1989. p. 1002-3.

Handa Y, Ohkubo K, Hoshimiya N. A portable multi-channel FES system for restoration of motor function of the paralyzed extremities. Automedica 1989;11:221-31.

Hoshimiya N, Handa Y. A master-slave type multi-channel functional electrical stimulation (FES) system for the control of the parlyzed extremities. Automedica 1989;11:209-20.

Huckstep RL. Appropriate surgery and appliances for patients with deformities and paralysis in developing countries. Instr Course Lect 1992;41:461-9.

Kilgore KL. Optimization and automation of stimulus mpa synthesis for upper extremity fns [dissertation]. Cleveland: Case Western Reserve University; 1991. 198 p.

Kilgore KL, Peckham PH, Keith MW, Thrope GB. Electrode characterization for functional application to upper extremity FNS. IEEE Trans Biomed Eng 1990 Jan;37(1):12-21.

Lehmann JF, De Lateur BJ, Price R. Ankle foot orthoses for paresis and paralysis. Phys Med Rehabil Clin North Am 1992 Feb;3(1):139-59.

Lehmann JF, De Lateur BJ, Price R. Knee ankle foot orthoses for paresis and paralysis. Phys Med Rehabil Clin North Am 1992 Feb;3(1):161-83.

Parry CB. Orthotics and rehabilitation after extensive upper limb paralysis. Hand Clin 1989 Feb;5(1): 97-105.

Peckham PH, Creasey GH. Neural prostheses: clinical applications of functional electrical stimulation in spinal cord injury. Paraplegia 1992 Feb;30(2): 96-101.

Petrofsky JS, Smith J. A combined computer-controlled walking and exercise system. J Clin Eng 1991 May-Jun;16(3):223-35.

Phillips CA. Modify the disability--not just the environment [editorial]. Automedica 1989;11(1-3): 1-3.

Phillips CA, Hendershot D, Elzayat S, Granek H, Granek M, Kim Y, Spelman FA. A systems approach to physician prescribed FES ambulation. In: Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 1th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; Nov 9-12; Seattle, WA. Vol. 5. Piscataway (NJ): IEEE; 1989. p. 1492-3.

Phillips CA, Koubek RJ, Hendershot DM. Walking while using a sensory tactile feedback system: potential use with a functional electrical stimulation orthosis. J Biomed Eng 1991 Mar;13(2):91-6.

Pollack SF, Axen K, Spielholz N, Levin N, Haas F, Ragnarsson KT. Aerobic training effects of electrically induced lower extremity exercises in spinal cord injured people. Arch Phys Med Rehabil 1989 Mar;70(3):214-9.

Popovic D, Tomovic R, Schwirtlich L. Hybrid assistive system--the motor neuroprosthesis. IEEE Trans Biomed Eng 1989 Jul;36(7):729-37.

Popovic DB. Dynamics of the self-fitting modular orthosis. IEEE Trans Robot Autom 1990 Apr;6(2): 200-7.

Pringle RG. Halo versus Minerva--which orthosis? Paraplegia 1990 Jun;28(5):281-4.

Prochazka A, Davis LA. Clinical experience with reinforced, anchored intramuscular electrodes for functional neuromuscular stimulation. J Neurosci Methods 1992 May;42(3):175-84.

Ragnarsson KT. Functional electrical stimulation and suppression of spasticity following spinal cord injury. Bull N Y Acad Med 1992 Mar-Apr;68(2): 351-64.

Schiltenwolf M, Carstens C, Bernd L. [Myelomeningocele--what can be done? Aids for evaluating rehabilitation from the orthopedic viewpoint]. Geburtshilfe Frauenheilkd 1992 Aug; 52(8):449-53. (Ger).

Schiltenwolf M, Carstens C, Rohwedder J, Gruendel E. Results of orthotic treatment in children with myelomeningocele. Eur J Pediatr Surg 1991 Dec; 1 Suppl 1:50-2.

Shepherd CC, Ruzicka SH. Tenodesis brace use by persons with spinal cord injuries. Am J Occup Ther 1991 Jan;45(1):81-3.

Shields RK, Cook TM. Lumbar support thickness: effect on seated buttock pressure in individuals with and without spinal cord injury. Phys Ther 1992 Mar;72(3):218-26.

Stein RB, Capaday C. [Improvement of prostheses and orthotic aids for the handicapped using electric stimulation and the registration of bioelectric signals]. Union Med Can 1990 May-Jun;119(3): 102-8. (Fre).

Stein RB, Peckham PH, Popovic DB, eds. Neural prostheses: replacing motor function after disease or disability. New York: Oxford University Press; 1992. 345 p.

Truong XT. Bracing for serratus anterior palsy [letter]. Arch Phys Med Rehabil 1993 Apr;74(4):447.

Vossius G. [Possibilities of functional electrostimulation in clinical use]. Biomed Tech (Berlin) 1990;35 Suppl 3:115-7. (Ger).

Vossius G, Hollander HJ, Frech R. [Functional electrostimulation in spasticity]. Biomed Tech (Berlin) 1990;35 Suppl 3:118-9. (Ger).

Waters RL, Yakura JS, Adkins R, Barnes G. Determinants of gait performance following spinal cord injury. Arch Phys Med Rehabil 1989 Nov; 70(12):811-8.

Whittle MW, Cochrane GM, Chase AP, Copping AV, Jefferson RJ, Staples DJ, Fenn PT, Thomas DC. A comparative trial of two walking systems for paralysed people. Paraplegia 1991 Feb;29(2): 97-102.

Yarkony GM, Jaeger RJ, Roth E, Kralj AR, Quintern J. Functional neuromuscular stimulation for standing after spinal cord injury. Arch Phys Med Rehabil 1990 Mar;71(3):201-6.

Yarkony GM, Roth EJ, Cybulski GR, Jaeger RJ. Neuromuscular stimulation in spinal cord injury. II: Prevention of secondary complications. Arch Phys Med Rehabil 1992 Feb;73(2):195-200.

-Stroke & hemiplegia

Bogataj U, Gros N, Malezic M, Kelih B, Kljajic M, Acimovic R. Restoration of gait during two to three weeks of therapy with multichannel electrical stimulation. Phys Ther 1989 May;69(5):319-27.

Brims J, Lynch T, Isaac TC. Appliance for hemiplegic patients [letter]. Br J Gen Pract 1992 Jan;42(354):41.

Brooke MM, de Lateur BJ, Diana-Rigby GC, Questad KA. Shoulder subluxation in hemiplegia: effects of three different supports. Arch Phys Med Rehabil 1991 Jul;72(8):582-6.

Chu T. Three-dimensional finite element stress analysis of a polymeric orthotic device: biomechanics of the ankle-foot orthosis [dissertation]. Akron (OH): University of Akron; 1992. 258 p.

Cioni B, Meglio M, Zamponi A. Effect of spinal cord stimulation on motor performances in hemiplegics. Stereotact Funct Neurosurg 1989;52(1):42-52.

Cron L, Sprigle S. Clinical evaluation of the Hemi Wheelchair Cushion. Am J Occup Ther 1993 Feb; 47(2):141-4.

de Vries J. Evaluation of lower leg orthosis use following cerebro-vascular accident. Int J Rehabil Res 1991;14(3):239-43.

Diamond MF, Ottenbacher KJ. Effect of a tone-inhibiting dynamic ankle-foot orthosis on stride characteristics of an adult with hemiparesis. Phys Ther 1990 Jul;70(7):423-30.

Dittmer DK, McArthur-Turner DE, Jones IC. Orthotics in stroke. Phys Med Rehabil 1993 Feb; 7(1):161-78.

Egan JM. An aid for the management of shoulder pain in hemiplegia. Br J Occup Ther 1990 Sep;53(9):362-4.

Esquenazi A, Hirai B. Assessment of gait and orthotic prescription. Phys Med Rehabil Clin North Am 1991 Aug;2(3):473-85.

Hesse S, Platz T, Mauritz KH. [Indications for optimal use of orthoses in the treatment of hemiparetic patients]. Biomed Tech (Berlin) 1990; 35 Suppl 3:52-3. (Ger).

Johnstone M. Current advances in the use of pressure splints in the management of adult hemiplegia. Physiotherapy 1989 Jul;75(7):381-4.

Koop SE, Gage JR. [Treatment of deformities of the locomotor system in hemiplegia]. Orthopade 1992 Sep;21(5):293-300. (Ger).

Kotzki N, Pelissier J, Dusotoit C, Toulemonde M, Codine P, Enjalbert M, Daures P, Simon L. Preventive processes of shoulder hand syndrome in bedridden hemiplegic patients: Evaluation of three processes. Ann Readapt Med Phys 1991;34(4): 351-5.

Kraft GH, Fitts SS, Hammond MC. Techniques to improve function of the arm and hand in chronic hemiplegia. Arch Phys Med Rehabil 1992 Mar; 73(3):220-7.

Langlois S, Pederson L, MacKinnon JR. The effects of splinting on the spastic hemiplegic hand: report of a feasibility study. Can J Occup Ther 1991 Apr; 58(1):17-25.

Lee S, Agah A, Bekey G. IROS: an intelligent rehabilitative orthotic system for cerebrovascular accident. In: 1990 IEEE International Conference on Systems, Man and Cybernetics Conference Proceedings; 1990 Nov 4-7; Los Angeles, CA. New York: IEEE; 1990. p. 815-9.

Mandel AR, Nymark JR, Balmer SJ, Grinnell DM, O'Riain MD. Electromyographic versus rhythmic positional biofeedback in computerized gait retraining with stroke patients. Arch Phys Med Rehabil 1990 Aug;71(9):649-54.

Marsolais EB, Kim Y, Spelman FA. FNS application for restoring function in stroke patients. In: Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1989 Nov 9-12; Seattle, WA. Vol. 3. New York: IEEE; 1989. p. 829-30.

Milczarek JJ, Kirby RL, Harrison ER, MacLeod DA. Standard and four-footed canes: their effect on the standing balance of patients with hemiparesis. Arch Phys Med Rehabil 1993 Mar;74(3):281-5.

Mueller K, Cornwall M, McPoil T, Mueller D, Barnwell J. Effect of a tone-inhibiting dynamic ankle-foot orthosis on the foot-loading pattern of a hemiplegic adult: a preliminary study. J Prosthet Orthot 1992 Winter;4(2):86-92.

O'Connell PG, Gnatz S. Hemiplegia and amputation: rehabilitation in the dual disability. Arch Phys Med Rehabil 1989 Jun;70(6):451-4.

Poole JL, Whitney SL, Hangeland N, Baker C. The effectiveness of inflatable pressure splints on motor function in stroke patients. Occup Ther J Res 1990 Nov-Dec;10(6):360-6.

Ragnarsson KT. Functional electrical stimulation and suppression of spasticity following spinal cord injury. Bull N Y Acad Med 1992 Mar-Apr;68(2): 351-64.

Reding MJ, McDowell FH. Focused stroke rehabilitation programs improve outcome. Arch Neurol 1989 Jun;46(6):700-1.

Robichaud JA, Agostinucci J, Vander Linden DW. Effect of air-splint application on soleus muscle motoneuron reflex excitability in nondisabled subjects and subjects with cerebrovascular accidents. Phys Ther 1992 Mar;72(3):176-83; discussion 183-5.

Sankey RJ, Anderson DM, Young JA. Characteristics of ankle-foot orthoses for management of the spastic lower limb. Dev Med Child Neurol 1989 Aug;31(4):466-70.

Scherling E, Johnson H. A tone-reducing wrist--hand orthosis. Am J Occup Ther 1989 Sep;43(9): 609-11.

Smith LE. Restoration of volitional limb movement of hemiplegics following patterned functional electrical stimulation. Percept Mot Skills 1990 Dec; 71(3 Pt 1):851-61.

Stefanovska A, Vodovnik L, Gros N, Rebersek S, Acimovic-Janezic R. FES and spasticity. IEEE Trans Biomed Eng 1989 Jul;36(7):738-45.

Sullivan BE, Rogers SL. Modified Bobath sling with distal support. Am J Occup Ther 1989 Jan;43(1): 47-9.

Sullivan MJL, Heisel B, Lemaire E, Martel G, Grinnell D. Utilization of orthotic devices in stroke patients: a comparison of out-reach and institution based services. Can J Rehabil 1990 Sep;4(1): 47-50.

Takami M, Fukui K, Saitou S, Sugiyama I, Terayama K. Application of a shape memory alloy to hand splinting. Prosthet Orthot Int 1992 Apr;16(1): 57-63.

Webster JS, Cottam G, Gouvier WD, Blanton P, Beissel GF, Wofford J. Wheelchair obstacle course performance in right cerebral vascular accident victims. J Clin Exp Neuropsychol 1989 Mar;11(2):295-310.

Willemsen ATM, Bloemhof F, Boom HBK. Automatic stance-swing phase detection from accelerometer data for peroneal nerve stimulation. IEEE Trans Biomed Eng 1990 Dec;37(12):1201-8.

Wong AM, Tang FT, Wu SH, Chen CM. Clinical trial of a low-temperature plastic anterior ankle foot orthosis. Am J Phys Med Rehabil 1992 Feb;71(1): 41-3.

Yamamoto H, Okumura S, Morita S, Obata K, Furuya K. Surgical correction of foot deformities after stroke. Clin Orthop 1992 Sep;(282):213-8.

-Paraplegia

Abbas JJ, Chizeck HJ. Feedback control of coronal plane hip angle in paraplegic subjects using functional neuromuscular stimulation. IEEE Trans Biomed Eng 1991 Jul;38(7):687-98.

Andrews BJ, Barnett RW, Phillips GF, Kirkwood CA, Donaldson N, Rushton DN, Perkins TA. Rule-based control of a hybrid FES orthosis for assisting paraplegic locomotion. Automedica 1989;11: 175-99.

Arnold PB, McVey PP, Farrell WJ, Deurloo TM, Grasso AR. Functional electric stimulation: its efficacy and safety in improving pulmonary function and musculoskeletal fitness. Arch Phys Med Rehabil 1992 Jul;73(7):665-8.

Bajd T, Kralj A, Turk R, Benko H. Symmetry of FES responses in the lower extremities of paraplegic patients. J Biomed Eng 1990 Sep;12(5):415-8.

Bajd T, Kralj A, Turk R, Benko H, Sega J. Use of functional electrical stimulation in the rehabilitation of patients with incomplete spinal cord injuries. J Biomed Eng 1989 Mar;11(2):96-102.

Banta JV, Bell KJ, Muik EA, Fezio J. Parawalker: energy cost of walking. Eur J Pediatr Surg 1991 Dec;1 Suppl 1:7-10.

Barbenel JC, Paul JP. Bioengineering developments for paraplegic patients. Paraplegia 1992 Jan; 30(1):61-4.

Barnett RW. Paraplegic standing and reciprocal gait using a floor reaction hybrid F.E.S. orthosis [dissertation]. Glasgow (UK): University of Strathclyde; 1990. 174 p.

Bierling-Sorensen F, Ryde H, Bojsen-Moller F, Lyquist E. Shock absorbing material on the shoes of long leg braces for paraplegic walking. Prosthet Orthot Int 1990 Apr;14(1):27-32.

Block JE, Steinbach LS, Friedlander AL, Steiger P, Ellis W, Morris JM, Genant HK. Electrically-stimulated muscle hypertrophy in paraplegia: assessment by quantitative CT. J Comput Assist Tomogr 1989 Sep-Oct;13(5):852-4.

Borges G, Ferguson K, Kobetic R. Development and operation of portable and laboratory electrical stimulation systems for walking in paraplegic subjects. IEEE Trans Biomed Eng 1989 Jul;36(7): 798-801.

Bowker P, Messenger N, Ogilvie C, Rowley DI. Energetics of paraplegic walking. J Biomed Eng 1992 Jul;14(4):344-50.

Bremner LA, Sloan KE, Day RE, Scull ER, Ackland T. A clinical exercise system for paraplegics using functional electrical stimulation. Paraplegia 1992 Sep;30(9):647-55.

Carroll SG, Triolo RJ, Chizeck HJ, Kobetic R, Marsolais EB. Tetanic responses of electrically stimulated paralyzed muscle at varying interpulse intervals. IEEE Trans Biomed Eng 1989 Jul;36(7):644-53. Published erratum appears in IEEE Trans Biomed Eng 1989 Nov;36(11):1143.

Cooley WC, Melkonian G, Moses C, Moeschler JB. Autosomal dominant familial spastic paraplegia: description of a large New England family and a study of management. Dev Med Child Neurol 1990 Dec;32(12):1098-104.

Crosbie WJ, Nicol AC. Reciprocal aided gait in paraplegia. Paraplegia 1990 Jul;28(6):353-63.

Debnath N, Anand A, Guha SK. Electrical current distribution analysis for functional electrical stimulation (FES) of paraplegics. Automedica 1989;11(1-3):5-13;

Durfee WK, Hausdorff JM. Regulating knee joint position by combining electrical stimulation with a controllable friction brake. Ann Biomed Eng 1990; 18(6):575-96.

Edwards BG, Marsolais EB. Energy costs of ambulation with reciprocal gait orthosis, electrical stimulation, long leg braces and hybrids: A case study. Clin Kinesiol 1990;44(2):43-7.

Edwards BG, Marsolais EB. Metabolic responses to arm ergometry and functional neuromuscular stimulation. J Rehabil Res Dev 1990 Spring; 27(2):107-13; discussion 113-4.

Engen T. Lightweight modular orthosis. Prosthet Orthot Int 1989 Dec;13(3):125-9.

Ewins DJ. Investigation into the restoration of simple standing and walking function for mid-low thoracic paraplegics through the use of electrical stimulation [dissertation]. Claverton Down (UK): University of Bath; 1990. 447 p.

Ezenwa BN, Glaser RM, Couch W, Figoni SF, Rodgers MM. Adaptive control of functional neuromuscular stimulation-induced knee extension exercise. J Rehabil Res Dev 1991 Fall;28(4):1-8.

Feldman MD, Bridwell KH, Sheridan JJ. Hyndman-Schneider procedure for paraplegia caused by a sharp, angular scoliosis: a case report and a review of the literature. J Spinal Disord 1993 Feb;6(1): 76-82.

Fujita K, Noguchi T, Minamitani H, Tomatsu T. [Feedback control method for paraplegic standing by functional electrical stimulation]. Trans Inst Electr Inf Commun Eng;1992 Apr;J75D-II(4): 791-8. (Jpn).

Granat MH, Heller BW, Nicol DJ, Baxendale RH, Andrews BJ. Improving limb flexion in FES gait using the flexion withdrawal response for the spinal cord injured person. J Biomed Eng 1993 Jan;15(1): 51-6.

Graupe D. EMG pattern analysis for patient-responsive control of FES in paraplegics for walker-supported walking. IEEE Trans Biomed Eng 1989 Jul;36(7):711-9.

Hatwell MS, Oderkerk BJ, Sacher CA, Inbar GF. The development of a model reference adaptive controller to control the knee joint of paraplegics. IEEE Trans Automat Control 1991 Jun;36(6): 683-91

Hausdorff JM, Durfee WK. Open-loop position control of the knee joint using electrical stimulation of the quadriceps and hamstrings. Med Biol Eng Comput 1991 May;29(3):269-80.

Hirokawa S. [Energy consumption of paraplegics-ambulation-relation between the application of functional electrical stimulation and energy consumption]. Jpn J Med Electr Biol Eng 1991 Mar;29(1):1-8. (Jpn).

Hirokawa S, Grimm M, Le T, Solomonow M, Baratta RV, Shoji H, D'Ambrosia RD. Energy consumption in paraplegic ambulation using the reciprocating gait orthosis and electric stimulation of the thigh muscles. Arch Phys Med Rehabil 1990 Aug;71(9):687-94.

Hjeltnes N, Lannem A. Functional neuromuscular stimulation in 4 patients with complete paraplegia. Paraplegia 1990 May;28(4):235-43.

Hong C, San Luis EB, Chung S. Follow up study on the use of leg braces issued to spinal cord injury patients. Paraplegia 1990;28(3):172-7.

Hooker SP, Figoni SF, Glaser RM, Rodgers MM, Ezenwa BN, Faghri PD. Physiologic responses to prolonged electrically stimulated leg-cycle exercise in the spinal cord injured. Arch Phys Med Rehabil 1990 Oct;71(11):863-9.

Hooker SP, Figoni SF, Rodgers MM, Glaser RM, Mathews T, Suryaprasad AG, Gupta SC. Physiologic effects of electrical stimulation leg cycle exercise training in spinal cord injured patients. Arch Phys Med Rehabil 1992 May;73(5): 470-6.

Ichie M, Handa T, Handa Y, Hoshimiya N, Naito A, Ushikoshi K, Fukamachi H, Yajima M, Ito T, Kim Y, Spelman FA. Control of locomotion by multi-channel portable FES system. In: Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 11th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1989 Nov 9-12; Seattle, WA. Vol. 3. New York: IEEE; 1989. p. 1018-9.

Isakov E, Douglas R, Berns P. Ambulation using the reciprocating gait orthosis and functional electrical stimulation. Paraplegia 1992 Apr;30(4):239-45.

Jaeger RJ, Yarkony GM, Roth EJ, Lovell L. Estimating the user population of a simple electrical stimulation system for standing. Paraplegia 1990 Oct;28(8):505-11.

Jaeger RJ, Yarkony GM, Smith RM. Standing the spinal cord injured patient by electrical stimulation: refinement of a protocol for clinical use. IEEE Trans Biomed Eng 1989 Jul;36(7):720-8.

Jefferson RJ, Whittle MW. Performance of three walking orthoses for the paralysed: a case study using gait analysis. Prosthet Orthot Int 1990 Dec; 14(3):103-10.

Kemp M. Comment on: the energetics of paraplegic walking [letter]. J Biomed Eng 1993 Jan;15(1):83.

Kent HO. Vannini-Rizzoli stabilizing orthosis (boot): preliminary report on a new ambulatory aid for spinal cord injury. Arch Phys Med Rehabil 1992 Mar;73(3):302-7.

Khang G, Zajac FE. Paraplegic standing controlled by functional neuromuscular stimulation: Part I--computer model and control-system design. IEEE Trans Biomed Eng 1989 Sep;36(9):873-84.

Khang G, Zajac FE. Paraplegic standing controlled by functional neuromuscular stimulation: Part II--Computer simulation studies. IEEE Trans Biomed Eng 1989 Sep;36(9):885-94.

Kirkwood CA, Granat MH, Andrews BJ. Measurement of sway when using hand supports. Med Biol Eng Comput 1991 Nov;29(6):601-2.

Kirtley C. Control of functional electrical stimulation with extended physiological proprioception [dissertation]. Glasgow (UK): University of Strathclyde; 1989. 167 p.

Kirtley C, Andrews BJ. Control of functional electrical stimulation with extended physiological proprioception. J Biomed Eng 1990 May;12(3): 183-8.

Limbird TJ, Stills M, Elliott D, Wharton G. Lower extremity telescopic orthosis for immediate fitting in paraplegia. Orthopedics 1989 Jun;12(6):851-4.

Lyles M, Munday J. Report on the evaluation of the Vannini-Rizzoli Stabilizing Limb Orthosis. J Rehabil Res Dev 1992 Spring;29(2):77-104.

McKenna ME, McCarthy C. Acute care of the patient with spinal cord injury. CONA J 1989 Spring; 11(1):5-10.

Mulder AJ, Hermens HJ, Janssen F, Zilvold G. A low-cost FES exercise bicycle for training paraplegics at home. J Med Eng Technol 1989 Jan-Apr;13(1-2):90-2.

Mulder AJ, Veltink PH, Boom HB. On/off control in FES-induced standing up: a model study and experiments. Med Biol Eng Comput 1992 Mar; 30(2):205-12.

Mulder AJ, Veltink PH, Boom HB, Zilvold G. Low-level finite state control of knee joint in paraplegic standing. J Biomed Eng 1992 Jan;14(1):3-8.

Nash RS, Davy MS, Orpwood R, Swain ID. Development of a wheelchair-mounted folding standing frame. J Biomed Eng 1990 May;12(3): 189-92.

Nene AV, Jennings SJ. Hybrid paraplegic locomotion with the ParaWalker using intramuscular stimulation: a single subject study. Paraplegia 1989 Apr;27(2):125-32.

Nene AV, Jennings SJ. Physiological cost index of paraplegic locomotion using the ORLAU ParaWalker. Paraplegia 1992 Apr;30(4):246-52.

Nene AV, Patrick JH. Energy cost of paraplegic locomotion with the ORLAU ParaWalker. Paraplegia 1989 Feb;27(1):5-18.

Oderkerk BJ, Inbar GF. Walking cycle recording and analysis for FNS-assisted paraplegic walking. Med Biol Eng Comput 1991 Jan;29(1):79-83.

Ogilvie C, Bowker P, Rowley DI. The physiological benefits of paraplegia orthotically aided walking. Paraplegia 1993 Feb;31(2):111-5.

Peckham PH, Creasey GH. Neural prostheses: clinical applications of functional electrical stimulation in spinal cord injury. Paraplegia 1992 Feb;30(2): 96-101.

Pentland WE, Twomey LT. The weight-bearing upper extremity in women with long term paraplegia. Paraplegia 1991 Oct;29(8):521-30.

Pessenhofer H, Sauseng N, Kohla B, Hermann M. [Wheelchair ergometry: technical principles and practical applications]. Biomed Tech (Berlin) 1990; 35 Suppl 2:201-2. (Ger).

Petrofsky JS, Smith JB. Physiologic costs of computer-controlled walking in persons with paraplegia using a reciprocating-gait orthosis. Arch Phys Med Rehabil 1991 Oct;72(11):890-6.

Phillips CA. Electrical muscle stimulation in combination with a reciprocating gait orthosis for ambulation by paraplegics. J Biomed Eng 1989 Jul;11(4):338-44.

Phillips CA. Functional electrical rehabilitation: technological restoration after spinal cord injury. New York: Springer-Verlag; 1991. 209 p.

Phillips CA, Hendershot DM. A systems approach to medically prescribed functional electrical stimulation. Ambulation after spinal cord injury. Paraplegia 1991 Oct;29(8):505-13.

Phillips CA, Hendershot DM, Koubek RJ. Technology transfer of a system for medically prescribed FES walking exercise. J Clin Eng 1992 Jan-Feb;17(1):69-77.

Pohlman RL, Gayle GW, Davis GM, Glaser RM. Metabolic responses to maximal arm crank and wheelchair ergometry in male paraplegics. Clin Kinesiol 1989;43(4):89-95.

Pons DJ, Vaughan CL, Jaros GG. Cycling device powered by the electrically stimulated muscles of paraplegics. Med Biol Eng Comput 1989 Jan; 27(1):1-7.

Quintern J, Minwegen P, Mauritz KH. Control mechanisms for restoring posture and movements in paraplegics. Prog Brain Res 1989;80:489-502; discussion 479-80.

Rabischong E, Sgarbi F, Rabischong P, Detriche JM, Pinguet N, Riwan A. Control and command of a six degrees of freedom active electrical orthosis for paraplegic patient. In: Towards a new frontier of applications: IROS '90: proceedings of the IEEE International Workshop on Intelligent Robots and Systems '90; 1990 Jul 3-6; Ibaraki, Japan. Vol. 2. New York: IEEE; 1990. p. 987-91.

Rabischong P, Weber JL, Rabischong E, Micallef JP, Peruchon E, Gilbert B, Jullian JM, Kim Y, Spelman FA. Computer-aided locomotion by implanted electrical stimulation (CALIES project). In: Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 11th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1989 Nov 9-12; Seattle, WA. Vol. 3. Piscataway (NJ): IEEE; 1989. p. 985.

Solomonow M, Baratta R, Hirokawa S, Rightor N, Walker W, Beaudette P, Shoji H, D'Ambrosia R. The RGO Generation II: muscle stimulation powered orthosis as a practical walking system for thoracic paraplegics. Orthopedics 1989 Oct;12(10):1309-15. Published erratum appears in Orthopedics 1989 Dec;12(12):1522.

Stallard J, Major R, Butler PB. The orthotic ambulation performance of paraplegic myelomeningocele children using the orlau parawalker treatment system. Clin Rehabil 1991 May;5(2):111-4.

Stallard J, Major RE, Patrick JH. A review of the fundamental design problems of providing ambulation for paraplegic patients. Paraplegia 1989 Feb;27(1):70-5.

Veterans Administration Medical Center (Salt Lake City, Utah Regional Learning Resources Service. Energy cost of ambulation in paraplegia: comparison of various orthotic management strategies [videocassette]. Washington (DC): Veterans Administration; 1988. 1 videocassette: 46 min., sound, color, 1/2 in.

Wahle H. [Ten years follow-up of post-discharge training status of 50 patients with complete paraplegia]. Rehabilitation (Stuttg) 1991 Feb; 30(1):3-13. (Ger).

Wells CL, Hooker SP. The spinal injured athlete. Adapt Phys Activ Q 1990 Jul;7(3):265-85.

Which orthosis? [editorial]. Lancet 1989 Sep 23; 2(8665):721.

Willemsen AT, Frigo C, Boom HB. Lower extremity angle measurement with accelerometers--error and sensitivity analysis. IEEE Trans Biomed Eng 1991 Dec;38(12):1186-93.

Yamaguchi GT. Feasibility and conceptual design of functional neuromuscular stimulation systems for the restoration of natural gait to paraplegics based on dynamic musculoskeletal models [dissertation]. Palo Alto (CA): Stanford University; 1989. 264 p.

Yamaguchi GT, Zajac FE. Restoring unassisted natural gait to paraplegics via functional neuromuscular stimulation: a computer simulation study. IEEE Trans Biomed Eng 1990 Sep;37(9): 886-902.

Yarkony GM, Jaeger RJ, Roth E, Kralj AR, Quintern J. Functional neuromuscular stimulation for standing after spinal cord injury. Arch Phys Med Rehabil 1990 Mar;71(3):201-6.

-Quadriplegia

Abitbol JJ, Botte MJ, Garfin SR, Akeson WH. The treatment of multiple myeloma of the cervical spine with a halo vest. J Spinal Disord 1989 Dec;2(4): 263-7.

Akazawa K, Makikawa M, Kawamura J, Aoki H. Functional neuromuscular stimulation system using an implantable hydroxyapatite connector and a microprocessor-based portable stimulator. IEEE Trans Biomed Eng 1989 Jul;36(7):746-53.

Arnold PB, McVey PP, Farrell WJ, Deurloo TM, Grasso AR. Functional electric stimulation: its efficacy and safety in improving pulmonary function and musculoskeletal fitness. Arch Phys Med Rehabil 1992 Jul;73(7):665-8.

Belkin L. How rationing will really work. Med Econ 1993 Mar 22;70(6):160-1, 165-8, 171-2 passim.

Boyer JJ. Are tenodesis splints cost efficient? [letter]. Am J Occup Ther 1990 Sep;44(9):857-8.

Carroll SG, Bird SF, Brown DJ. Electrical stimulation of the lumbrical muscles in an incomplete quadriplegic patient: case report. Paraplegia 1992 Mar;30(3):223-6.

Crago PE, Lemay M, Kim Y, Spelman FA. Active regulation of grasp stiffness in neuroprosthesis for restoration of hand function in quadriplegics. In: Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 11th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1989 Nov 9-12; Seattle, WA. Vol. 3. Piscataway (NJ): IEEE; 1989. p. 902-3.

Cruickshank DA, O'Neill DL. Upper extremity inhibitive casting in a boy with spastic quadriplegia. Am J Occup Ther 1990 Jun;44(6):552-5.

Durfee WK, Mariano TR, Zahradnik JL. Simulator for evaluating shoulder motion as a command source for FES grasp restoration systems. Arch Phys Med Rehabil 1991 Dec;72(13):1088-94.

Engen T. Lightweight modular orthosis. Prosthet Orthot Int 1989 Dec;13(3):125-9.

Ezenwa BN, Reynolds DB, Rowley BA. Characterization of the lower limb of quadriplegics for the design of a controller for funtional electrical stimulation. Automedica 1989;11(1-3):43-52.

Figoni SF. Exercise responses and quadriplegia. Med Sci Sports Exerc 1993 Apr;25(4):433-41.

Garber SL, Gregorio TL. Upper extremity assistive devices: assessment of use by spinal cord-injured patients with quadriplegia. Am J Occup Ther 1990 Feb;44(2):126-31.

Hammel J, Hall K, Lees D, Leifer L, Van der Loos M, Perkash I, Crigler R. Clinical evaluation of a desktop robotic assistant. J Rehabil Res Dev 1989 Summer;26(3):1-16.

Hammel JM, Van der Loos HF, Perkash I. Evaluation of a vocational robot with a quadriplegic employee. Arch Phys Med Rehabil 1992 Jul;73(7):683-93.

Hammell KRW. Occupational therapy in the management of high level quadriplegia. Br J Occup Ther 1991 Sep;54(9):333-40.

Handa Y, Handa T, Ichie M, Murakami H, Hoshimiya N, Ishikawa S, Ohkubo K. Functional electrical stimulation (FES) systems for restoration of motor function of paralyzed muscles--versatile systems and a portable system. Front Med Biol Eng 1992;4(4):241-55.

Hokken W, Kalkman S, Blanken WC, van Asbeck FW. A dynamic pronation orthosis for the C6 tetraplegic arm. Arch Phys Med Rehabil 1993 Jan;74(1): 104-5.

Hooker SP, Figoni SF, Glaser RM, Rodgers MM, Ezenwa BN, Faghri PD. Physiologic responses to prolonged electrically stimulated leg-cycle exercise in the spinal cord injured. Arch Phys Med Rehabil 1990 Oct;71(11):863-9.

Hoshimiya N, Naito A, Yajima M, Handa Y. A multichannel FES system for the restoration of motor functions in high spinal cord injury patients: a respiration-controlled system for multijoint upper extremity. IEEE Trans Biomed Eng 1989 Jul; 36(7):754-60.

Ikzkovich M, Catz A, Ona I. A new double-purpose device for elbow extension in tetraplegia with paralysis below C5. Paraplegia 1993 Feb;31(2): 116-8.

Johnson MW, Peckham PH. Evaluation of shoulder movement as a command control source. IEEE Trans Biomed Eng 1990 Sep;37(9):876-85.

Keith MW, Peckham PH, Thrope GB, Buckett JR, Stroh KC, Menger V. Functional neuromuscular stimulation neuroprostheses for the tetraplegic hand. Clin Orthop 1988 Aug;(233):25-33.

Keith MW, Peckham PH, Thrope GB, Stroh KC, Smith B, Buckett JR, Kilgore KL, Jatich JW. Implantable functional neuromuscular stimulation in the tetraplegic hand. J Hand Surg [Am] 1989 May; 14(3):524-30.

Kilgore KL, Peckham PH, Thrope GB, Keith MW, Gallaher-Stone KA. Synthesis of hand grasp using functional neuromuscular stimulation. IEEE Trans Biomed Eng 1989 Jul;36(7):761-70.

Kirtley C. Control of functional electrical stimulation with extended physiological proprioception [dissertation]. Glasgow (UK): University of Strathclyde; 1989. 167 p.

Kirtley C, Andrews BJ. Control of functional electrical stimulation with extended physiological proprioception. J Biomed Eng 1990 May;12(3): 183-8.

Krajnik SR, Bridle MJ. Hand splinting in quadriplegia: current practice. Am J Occup Ther 1992 Feb;46(2):149-56.

Lyles M, Munday J. Report on the evaluation of the Vannini-Rizzoli Stabilizing Limb Orthosis. J Rehabil Res Dev 1992 Spring;29(2):77-104.

Maeda CJ, Baydur A, Waters RL, Adkins RH. The effect of the halovest and body position on pulmonary function in quadriplegia. J Spinal Disord 1990 Mar;3(1):47-51.

McDowell CL, Rago TA, Gonzalez SM. Tetraplegia. Hand Clin 1989 Aug;5(3):343-8.

Miller LJ, Peckham PH, Keith MW. Elbow extension in the C5 quadriplegic using functional neuromuscular stimulation. IEEE Trans Biomed Eng 1989 Jul;36(7):771-80.

Nathan RH. FNS of the upper limb: targeting the forearm muscles for surface stimulation. Med Biol Eng Comput 1990 May;28(3):249-56.

Nathan RH. An FNS-based system for generating upper limb function in the C4 quadriplegic. Med Biol Eng Comput 1989 Nov;27(6):549-56.

Nathan RH, Ohry A. Upper limb functions regained in quadriplegia: a hybrid computerized neuromuscular stimulation system. Arch Phys Med Rehabil 1990 May;71(6):415-21.

Nemunaitis GA, Herbison GJ. Cosmetic, functional, independent: self-help aids. Arch Phys Med Rehabil 1991 Apr;72(5):334-5.

Petrillo DK, Wooden VM, Kraft-Fine C, Siegal SG, Cioschi HM. How to equip the quadriplegic patient. Contin Care 1990 Nov;9(11):24-8, 35.

Phillips CA. Functional electrical stimulation and lower extremity bracing for ambulation exercise of the spinal cord injured individual: a medically prescribed system. Phys Ther 1989 Oct;69(10): 842-9.

Phillips CA. An interactive system of electronic stimulators and gait orthosis for walking in the spinal cord injured. Automedica 1989;11:247-61.

Phillips CA, Hendershot DM. Functional electrical stimulation and reciprocating gait orthosis for ambulation exercise in a tetraplegic patient: a case study. Paraplegia 1991 May;29(4):268-76.

Phillips CA, Hendershot DM. A systems approach to medically prescribed functional electrical stimulation. Ambulation after spinal cord injury. Paraplegia 1991 Oct;29(8):505-13.

Phillips CA, Hendershot DM, Koubek RJ. Technology transfer of a system for medically prescribed FES walking exercise. J Clin Eng 1992 Jan-Feb;17(1):69-77.

Reidy K, Crozier KS. Refusing treatment during rehabilitation. A model for conflict resolution. West J Med 1991 May;154(5):622-3.

Riso RR, Ignagni AR, Keith MW. Cognitive feedback for use with FES upper extremity neuroprostheses. IEEE Trans Biomed Eng 1991 Jan;38(1):29-38.

Seeger BR, Law D, Creswell JE, Stern LM, Potter G. Functional electrical stimulation for upper limb strengthening in traumatic quadriplegia. Arch Phys Med Rehabil 1989 Sep;70(9):663-7.

Smith BT, Mulcahey MJ, Triolo RJ, Betz RR. The application of a modified neuroprosthetic hand system in a child with a C7 spinal cord injury. Case report. Paraplegia 1992 Aug;30(8):598-606.

Takami M, Fukui K, Saitou S, Sugiyama I, Terayama K. Application of a shape memory alloy to hand splinting. Prosthet Orthot Int 1992 Apr;16(1):57-63.

Wells CL, Hooker SP. The spinal injured athlete. Adapt Phys Activ Q 1990 Jul;7(3):265-85.

Wijman CA, Stroh KC, Van Doren CL, Thrope GB, Peckham PH, Keith MW. Functional evaluation of quadriplegic patients using a hand neuroprosthesis. Arch Phys Med Rehabil 1990 Dec;71(13):1053-7.

Other Uses

Akamatsu N, Hamada Y, Kohno H, Siddiqi NA. Osteofibrous dysplasia of the tibia treated by bracing. Int Orthop 1992;16(2):180-4.

Beynnon BD, Pope MH, Wertheimer CM, Johnson RJ, Fleming BC, Nichols CE, Howe JG. The effect of functional knee-braces on strain on the anterior cruciate ligament in vivo. J Bone Joint Surg [Am] 1992 Oct;74(9):1298-312.

Bresnahan PJ, Lubert MA. The Tibial Torsion Transformer. J Am Podiatr Med Assoc 1992 Jan;82(1):42-4.

Choi IH, Kumar SJ, Bowen JR. Amputation or limb-lengthening for partial or total absence of the fibula. J Bone Joint Surg [Am] 1990 Oct;72(9):1391-9.

Cool JC. Biomechanics of orthoses for the subluxed shoulder. Prosthet Orthot Int 1989 Aug;13(2):90-6.

Corea JR, Sankaran-Kutty M. Lobster claw leg. J Bone Joint Surg [Br] 1989 Nov;71(5):861.

Cunliffe MW. An adjustable thermoplastic knee brace, directly moulded and colour coordinated. Br J Occup Ther 1992 Nov;55(11):430-4.

Delepine G, Delepine N, Lewertowski JM. [Knee prostheses for tumors]. Rev Prat 1991 Jun 1;41(16):1465-71. (Fre).

Farmer MR. Controlling anterior tibial displacement under static load: a comparison of two braces [letter]. Orthopedics 1989 Mar;12(3):354-6.

Gajiwala KJ, Sams SB, Pandya N, Wagh A. A new dynamic lumbrical simulating splint for claw hand deformity. Plast Reconstr Surg 1991 Jan;87(1):170-3.

Gottschalk F. CAT-CAM above-knee prostheses and the effect on functional rehabilitation [letter]. Clin Orthop 1990 Jun;(255):310-2.

Greene WB. Infantile tibia vara. Instr Course Lect 1993;42:525-38.

Greene WB. Infantile tibia vara. J Bone Joint Surg [Am] 1993 Jan;75(1):130-43.

McCaw ST. Leg length inequality. Implications for running injury prevention. Sports Med 1992 Dec;14(6):422-9.

Meyer PE, Petersen D. [Compensation in leg length inequality with orthopedic shoe measures]. Orthopade 1992 Jun;21(3):174-83. (Ger).

Ott JW, Clancy WG Jr. Functional knee braces. Orthopedics 1993 Feb;16(2):171-5; discussion 175-6.
Racette WL. Clinical experience with functional fracture bracing of the tibial diaphysis. J Prosthet Orthot 1992 Apr;4(3):142-50.

Romero PW, Rice J. Clinical suggestions. Clinical use of the knee hyperextension block orthosis. Pediatr Phys Ther 1992 Winter;4(4):205-7.

Uhlig R. [Technical orthopedic compensation of leg length inequality]. Orthopade 1992 Jun;21(3): 184-96. (Ger).

Vailas JC, Pink M. Biomechanical effects of functional knee bracing. Practical implications. Sports Med 1993 Mar;15(3):210-8.

Zagorski JB, Zych GA, Latta LL, Finnieston AR. Orthotic design and application for functional treatment of tibial shaft fractures. J Prosthet Orthot 1992 Apr;4(3):126-41.

CLINICAL ASSESSMENT & EFFECTIVENESS

Ahl T, Dalen N, Lundberg A, Bylund C. Early mobilization of operated on ankle fractures. Prospective controlled study of 40 biomalleolar cases. Acta Orthop Scand 1993 Feb;64(1):95-9.

Arlet V, Rigault P, Padovani JP, Touzet P, Finidori G, Guyonvarch G. [Scoliosis, spondylolysis and lumbosacral spondylolisthesis. A study of their association apropos of 82 cases in children and adolescents]. Rev Chir Orthop 1990;76(2):118-27. (Fre).

Atar D, Lehman WB, Tenenbaum Y, Grant AD. Pavlik harness versus Frejka splint in the treatment of developmental dysplasia of the hip: bicenter study. J Pediatr Orthop 1993 May-Jun;13(3):311-3.

Axelsson P, Johnsson R, Stromqvist B. Effect of lumbar orthosis on intervertebral mobility. A roentgen stereophotogrammetric analysis. Spine 1992 Jun;17(6):678-81.

Barber EL. Strength and range-of-motion examination skills for the clinical orthotist. J Prosthet Orthot 1993 Apr;5(2):49-51.

Bensahel H, Dal Monte A, Hjelmstedt A, Bjerkreim I, Wientroub S, Matasovic T, Porat S, Bialik V. Congenital dislocation of the knee. J Pediatr Orthop 1989 Mar-Apr;9(2):174-7.

Berenter R, Morris J, Yee B. Bilateral congenital absence of the fibula. J Am Podiatr Med Assoc 1990 Jun;80(6):325-8.

Blauth W, Hippe P. The surgical treatment of partial tibial deficiency and ankle diastasis. Prosthet Orthot Int 1991 Aug;15(2):127-30.

Bowker JH. Neurological aspects of prosthetic/orthotic practice. J Prosthet Orthot 1993 Apr;5(2):55-8.

Budiman-Mak E, Conrad KJ, Roach KE. The Foot Function Index: a measure of foot pain and disability. J Clin Epidemiol 1991;44(6):561-70.

Burl MM, Williams JG, Nayak US. Effects of cervical collars on standing balance. Arch Phys Med Rehabil 1992 Dec;73(12):1181-5.

Calmels P, Escafit M, Domenach M, Minaire P. Posturographic evaluation of the proprioceptive effect of ankle orthoses in healthy volunteers. Int Disabil Stud 1991 Apr-Jun;13(2):42-5.

Charney EB, Melchionni JB, Smith DR. Community ambulation by children with myelomeningocele and high-level paralysis. J Pediatr Orthop 1991 Sep-Oct;11(5):579-82.

Chase AP, Bader DL, Houghton GR. The biomechanical effectiveness of the Boston brace in the management of adolescent idiopathic scoliosis. Spine 1989 Jun;14(6):636-42.

Closson JB, Toerge JE, Ragnarsson KT, Parsons KC, Lammertse DP. Rehabilitation in spinal cord disorders. 3. Comprehensive management of spinal cord injury. Arch Phys Med Rehabil 1991 Mar; 72(4-S):S298-308.

Conry MA. Orthomedics fracture bracing at LA County USC Medical Center. J Prosthet Orthot 1992 Apr;4(3):151-6.

Craig GR, Nielsen MS. Rigid cervical collars and intracranial pressure. Intensive Care Med 1991; 17(8):504-5.

Cron L, Sprigle S. Clinical evalualtion of the Hemi Wheelchair Cushion. Am J Occup Ther 1993 Feb; 47(2):141-4.

Cunliffe MW. Lumbar spinal orthoses: direct moulding using thermoplastic mesh sheet. Br J Occup Ther 1990 Jun;53(6):244-8.

Curry LC, Gibson LY. Congenital hip dislocation: the importance of early detection and comprehensive treatment. Nurse Pract 1992 May;17(5):49-55.

Dean E. Clinical decision making in the management of the late sequelae of poliomyelitis. Phys Ther 1991 Oct;71(10):752-61.

Durham JW, Moskowitz A, Whitney J. Surface electrical stimulation versus brace in treatment of idiopathic scoliosis. Spine 1990 Sep;15(9):888-92.

Edelstein JE. Orthotic assessment and management. In: O'Sullivan SB, Schmitz TJ. Physical rehabilitation: assessment and treatment. 2nd ed. Philadelphia: F.A. Davis; 1988. p. 589-614.

Ellis J. Selection and use of orthotic devices. Sports Med Dig 1992 Jan;14(1):1-2.

Embrey DG, Yates L, Mott DH. Effects of neuro-developmental treatment and orthoses on knee flexion during gait: a single-subject design. Phys Ther 1990 Oct;70(10):626-37.

Eng JJ, Pierrynowski MR. Evaluation of soft foot orthotics in the treatment of patellofemoral pain syndrome. Phys Ther 1993 Feb;73(2):62-8; discussion 68-70.

Ernst E. [Does a supportive muscle corset: prevent spinal complaints?]. Wien Med Wochenschr 1992; 142(13):291-3. (Ger).

Esquenazi A, Hirai B. Assessment of gait and orthotic prescription. Phys Med Rehabil Clin North Am 1991 Aug;2(3):473-85.

Feinberg J. Effect of the arthritis health professional on compliance with use of resting hand splints by patients with rheumatoid arthritis. Arthritis Care Res 1992 Mar;5(1):17-23.

Feuerbach JW, Grabiner MD. Effect of the aircast on unilateral postural control: amplitude and frequency variables. J Orthop Sports Phys Ther 1993 Mar; 17(3):149-54.

Fisher FR. Assistive devices in rehabilitation: a time for a change. Can J Rehabil 1991 Winter;5(2): 67-9.

Garber SL, Gregorio TL. Upper extremity assistive devices: assessment of use by spinal cord-injured patients with quadriplegia. Am J Occup Ther 1990 Feb;44(2):126-31.

Gardiner HM, Dunn PM. Controlled trial of immediate splinting versus ultrasonographic surveillance in congenitally dislocatable hips. Lancet 1990 Dec 22-29;336(8730):1553-6.

Glover SD, Benson MK. Iliotibial band contracture after using the Pavlik harness. J Bone Joint Surg [Br] 1989 May;71(3):535.

Gould N, Moreland M, Alvarez R, Trevino S, Fenwick J. Development of the child's arch. Foot Ankle 1989 Apr;9(5):241-5.

Guin P, Hudson A, Gallo J. The efficacy of six heel pressure reducing devices. Decubitus 1991 Aug; 4(3):15-6, 18, 20 passim.

Holmes GB Jr, Timmerman L. A quantitative assessment of the effect of metatarsal pads on plantar pressures. Foot Ankle 1990 Dec;11(3): 141-5.

Hong C, San Luis EB, Chung S. Follow up study on the use of leg braces issued to spinal cord injury patients. Paraplegia 1990;28(3):172-7.

Koop SE, Gage JR. [Treatment of deformities of the locomotor system in hemiplegia]. Orthopade 1992 Sep;21(5):293-300. (Ger).

Lehmann JF, De Lateur BJ, Price R. Ankle foot orthoses for paresis and paralysis. Phys Med Rehabil Clin North Am 1992 Feb;3(1):139-59.

Montgomery F, Willner S. Prognosis of brace-treated scoliosis. Comparison of the Boston and Milwaukee methods in 244 girls. Acta Orthop Scand 1989 Aug;60(4):383-5.

Moraros J, Hodge W. Orthotic survey. Preliminary results. J Am Podiatr Med Assoc 1993 Mar;83(3): 139-48.

Mukherjee A, Fabry G. Evaluation of the prognostic indices in Legg-Calvé-Perthes disease: statistical analysis of 116 hips. J Pediatr Orthop 1990 Mar-Apr;10(2):153-8.

Nene AV, Kim Y, Spelman FA. An assessment of the ORLAU ParaWalker-electrical stimulation hybrid orthosis. In: Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 11th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1989 Nov 9-12; Seattle, WA. Vol 3. Piscataway (NJ): IEEE; 1989. p. 1016-7.

Olaogun MOB, Abereoje OK, Obajuluwa VA. Forward upward leading step test for the clinical evaluation of locomotor ability. Clin Rehabil 1989 Feb;3(1):41-5.

Patterson K, Michael S. Correcting the sitting posture of a person with a hindquarter amputation. Aust Occup Ther J 1991 Mar;38(1):237-40.

Pratt DJ. Long term comparison of some shock attenuating insoles. Prosthet Orthot Int 1990 Aug; 14(2):59-62.

Pringle RG. Halo versus Minerva--which orthosis? Paraplegia 1990 Jun;28(5):281-4.

Pun WK, Chow SP, Fang D, Ip FK, Leong JC, Ng C. A study of function and residual joint stiffness after functional bracing of tibial shaft fractures. Clin Orthop 1991 Jun;(267):157-63.

Racette WL. Clinical experience with functional fracture bracing of the tibial diaphysis. J Prosthet Orthot 1992 Apr;4(3):142-50.

Regalbuto MA, Rovick JS, Walker PS. The forces in a knee brace as a function of hinge design and placement. Am J Sports Med 1989 Jul-Aug;17(4): 535-43.

Rine RR, Ward J, Lindeblad S, Blaker K, Higbie-Smith T, Verdin A, Gropper M. Comparison of the effects of ankle-foot orthoses on gait and standing posture in children with lower extremity spasticity. In: Woollacott M, Horak F, eds. Posture and gait: control mechanisms, 1992. Proceedings of the 11th International Symposium of the Society for Postural and Gait Research; 1992; Portland, OR. Vol. 2. Portland (OR): University of Oregon; 1992. p. 415-8.

Romero PW, Rice J. Clinical suggestions. Clinical use of the knee hyperextension block orthosis. Pediatr Phys Ther 1992 Winter;4(4):205-7.

Rosen PB, McSwain NE Jr, Arata M, Stahl S, Mercer D. Comparison of two new immobilization collars. Ann Emerg Med 1992 Oct;21(10): 1189-95.

Sanner WH. The functional foot orthosis prescription. In: Jay RM, ed. Current therapy in podiatric surgery. Philadelphia: Decker; 1989. p. 302-14.

Tucci JJ, Kumar SJ, Guille JT, Rubbo ER. Late acetabular dysplasia following early successful Pavlik harness treatment of congenital dislocation of the hip. J Pediatr Orthop 1991 Jul-Aug;11(4): 502-5.

Whittle MW, Cochrane GM, Chase AP, Copping AV, Jefferson RJ, Staples DJ, Fenn PT, Thomas DC. A comparative trial of two walking systems for paralysed people. Paraplegia 1991 Feb;29(2): 97-102.

Willers U, Normelli H, Aaro S, Svensson O, Hedlund R. Long-term results of Boston brace treatment on vertebral rotation in idiopathic scoliosis. Spine 1993 Mar 15;18(4):432-5.

Wooden MJ. Biomechanical evaluation for functional orthotics. In: Donatelli R, Wolf SL, eds. Biomechanics of the foot and ankle. Philadelphia: F.A. Davis; 1990. p. 131-47. (Contemprary perspectives in rehabilitation; vol. 3).

ADVERSE EFFECTS

Ahl T, Dalen N, Lundberg A, Bylund C. Early mobilization of operated on ankle fractures. Prospective controlled study of 40 biomalleolar cases. Acta Orthop Scand 1993 Feb;64(1):95-9.

Atar D, Lehman WB, Grant AD. Pavlik harness pathology. Isr J Med Sci 1991 Jun;27(6):325-30.

Dec KL, Vasquez BR. The Vannini-Rissoli orthosis: a unique case of thoracic outlet syndrome. Arch Phys Med Rehabil 1993 Apr;74(4):441-4.

del Pozo LJ, Merino FJ, Imaz M, Vilella J, Campos A. [Dermatosis in a girl with an orthopedic corset]. Enferm Infecc Microbiol Clin 1990 Nov;8(9):584-5. (Spa).

Dunn PM. Complications of splintage in congenital dislocation of the hip [letter]. Arch Dis Child 1992 Apr;67(4):568.

Enzenauer RJ, Nordstrom DM. Anterior interosseous nerve syndrome associated with forearm band treatment of lateral epicondylitis. Orthopedics 1991 Jul;14(7):788-90.

Focarile FA, Bonaldi A, Giarolo MA, Ferrari U, Zilioli E, Ottaviani C. Effectiveness of nonsurgical treatment for idiopathic scoliosis. Overview of available evidence. Spine 1991 Apr;16(4):395-401.

Golay W, Lunsford T, Lunsford BR, Greenfield J. The effect of malleolar prominence on polypropylene afo rigidity and buckling. J Prosthet Orthot 1989 Jul;1(4):231-41.

Jones GT, Schoenecker PL, Dias LS. Developmental hip dysplasia potentiated by inappropriate use of the Pavlik harness. J Pediatr Orthop 1992 Nov-Dec; 12(6):722-6.

Kaplan SL, Rocco TP, Tun CG, Silverman DI, Kemper AJ. Acute pulmonary edema following removal of a spinal orthosis: an unusual complication of a halo vest. Arch Phys Med Rehabil 1990 Mar;71(3): 255-7.

Langkamer VG, Clarke NM, Witherow P. Complications of splintage in congenital dislocation of the hip [see comments]. Arch Dis Child 1991 Nov;66(11):1322-5.

Levine JM, Gross J. Atypical locations of pressure sores: presentation of two cases. Decubitus 1989 Nov;2(4):44-6.

O'Neill DB, Zarins B, Gelberman RH, Keating TM, Louis D. Compression of the anterior interosseous nerve after use of a sling for dislocation of the acromioclavicular joint. A report of two cases. J Bone Joint Surg [Am] 1990 Aug;72(7):1100-2.

Odderson IR, Jaffe KM, Sleicher CA, Price R, Kropp RJ. Gel wheelchair cushions: a potential cold weather hazard. Arch Phys Med Rehabil 1991 Nov;72(12):1017-20.

Owens C. Necrosis of the skin over the metacarpal as a result of functional fracture-bracing. A report of three cases [letter]. J Bone Joint Surg [Am] 1991 Jun;73(5):789.

Rombouts JJ, Kaelin A. Inferior (obturator) dislocation of the hip in neonates. A complication of treatment by the Pavlik harness. J Bone Joint Surg [Br] 1992 Sep;74(5):708-10.

Rook JL, Green RF, Purgliese GN, Silane M. Thrombosis of axillary-femoral bypass secondary to prosthesis suspension belt. Arch Phys Med Rehabil 1989 Jul;70(7):559-61.

PROSTHETIC DEVICES

OVERVIEW

al-Turaiki MH, al-Falahi LA. Prosthetics and orthotics: a survey of centres in the Kingdom of Saudi Arabia. Prosthet Orthot Int 1992 Apr;16(1): 38-45.

American Board for Certification in Orthotics and Prosthetics, Inc. 1992 registry of the American Board for Certification in Orthotics and Prosthetics. Alexandria (VA): The Board; 1992. 199 p.

American Occupational Therapy Association, Practice Division. Orthotics, prosthetics: information packet [bibliography]. Rockville (MD): The Association; [1989]. 126 p.

American Orthotic and Prosthetic Association. The illustrated guide to orthotics and prosthetics: O & P's comprehensive guide to Medicare codes and reimbursement. Alexandria (VA): The Association; 1992- .

Artificial body parts [videocassette]. Princeton (NJ): Films for the Humanities; 1989. 1 videocassette: 26 min., sound, color, 1/2 in.

Banyard R. Artificial limb and appliance centres. Health Manpow Manage 1989 Jul;15(1):13-5.

Bardot A. L'Appareillage en orthopedie: membres inferieurs de l'enfant: amputes pour arteriopathie des membres inferieurs de l'adulte. Montpellier (France): Sauramps Medical; 1990. 157 p. (Fre).

Baumgartner R. [Amputation, prosthetics and rehabilitation of tumor patients]. In: Venbrocks R, ed. Jahrbuch der orthopadie 1991/1992. Zulpich (Germany): Biermann Verlag; 1991. p. 111-24. (Ger).

Baumgartner R, Botta P. Amputation und Prothesenversorgung der unteren Extremitat: Indikationsstellung, Operative Technik, Nachbehandlung, Prothesenversorgung, Gangschulung, Rehabilitation. Stuttgart (Germany): Enke; 1989. 303 p. (Ger).

Becker HM. [Current state of amputation surgery]. Langenbecks Arch Chir Suppl Ii Verh Dtsch Ges Forsch Chir 1989:623-5. (Ger).

Becker HM, Neufeldt KH, Furgani P, Niedermeier H. [Current status of amputation surgery]. Zentralbl Chir 1990;115(14):857-63. (Ger).

Boccolini F. Reabilitacao: amputados, amputacoes, proteses. Sao Paulo (Brazil): Robe; 1990. 254 p. (Por).

Bowker JH. Critical choices: the art of prosthesis prescription. In: Bowker JH, Michael JW, eds. Atlas of limb prosthetics: surgical, prosthetic, and rehabilitation principles. 2nd ed. St. Louis: Mosby Year Book; 1992. p. 717-20.

Bowker JH, Michael JW, eds. Atlas of limb prosthetics: surgical, prosthetic, and rehabilitation principles. 2nd ed. St. Louis: Mosby Year Book; 1992. 930 p.

Calvo KE, Michael JW. Prosthetics. In: Nickel VL, Botte MJ, eds. Orthopaedic rehabilitation. 2nd ed. New York: Churchill Livingstone; 1992. p. 127-37.

Childress DS. Hector Kay, Alan Kay, and the future of prosthetics and orthotics (Hector Kay Memorial Lecture). J Assoc Child Prosthet Orthot Clin 1989 Summer-Autumn;24(2-3):40-6.

Cobb JW. Models for delivery of prosthetic services to geriatric patients. Top Geriatr Rehabil 1992 Sep; 8(1):59-63.

Colburn J, Ibbotson V. Amputation. In: Turner A, Foster M, Johnson SE, eds. Occupational therapy and physical dysfunction: principles, skills, and practice. Edinburgh: Churchill Livingstone; 1992. p. 627-53.

Cole WG. Orthotics and prosthetics in the management of limb inequality. In: Menelaus MB, ed. Management of limb inequality. Edinburgh: Churchill Livingstone; 1991. p. 59-70.

A compendium of rehabilitation technology research supported by NIDRR: national workshop on rehabilitation technology; 1990 Oct 3-4; Washington, DC. Washington (DC): Electronic Industries Foundation, Rehabilitation Center; 1990. 278 p.

Connolly K. Artificial limb cosmesis design: a study of materials and production methods for improved performance [dissertation]. Guildford (UK): University of Surrey; 1990. 310 p.

Cotter DH. Artificial limbs. Br Med J (Clin Res Ed) 1988 Apr 23;296(6630):1185-7.

Edelstein JE. Prosthetic assessment and management. In: O'Sullivan SB, Schmitz TJ. Physical rehabilitation: assessment and treatment. 2nd ed. Philadelphia: F.A. Davis; 1988. p. 407-33.

Esquenazi A, Leonard JA Jr, Meier RH 3d, Hicks JE, Fisher SV, Nelson VS. Prosthetics, orthotics, and assistive devices. 3. Prosthetics. Arch Phys Med Rehabil 1989 May;70(5-S):S206-9.

Evans DG, Thakker Y, Donnai D. Heredity and dysmorphic syndromes in congenital limb deficiencies. Prosthet Orthot Int 1991 Aug;15(2): 70-7.

Ewerbeck V, Koster G. [Basic principles of amputation surgery. Surgical strategy, postoperative treatment and provision of prostheses]. Dtsch Krankenpflegez 1989 Mar;42(3):142-6. (Ger).

Federal supply catalog. Section IX. Prosthetic Distribution Center centrally managed items. Washington (DC): Dept. of Veterans Affairs, Office of Acquisition and Materiel Management; 1991. 220 p.

Friedmann LW. Prosthetics. Phys Med Rehabil Clin North Am 1991 May;2(2):i-iii,1-436.

Fyfe NC. An audit of amputation levels in patients referred for prosthetic rehabilitation. Prosthet Orthot Int 1990 Aug;14(2):67-70.

Garrett JF. Technology overseas. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 34.

Goldberg B. The orthopaedist as prosthetic team leader: getting the best for your patient from the team. Instr Course Lect 1990;39:353-4.

Gregory-Dean A. Amputations: statistics and trends. Ann R Coll Surg Engl 1991 May;73(3):137-42.

Gyorki JR. Enabling the disabled. Mach Des 1991 Nov 7;63(22):108-13.

Ham R, Cotton LT. Limb amputation: from aetiology to rehabilitation. London: Chapman & Hall; 1991. 229 p. (Therapy in practice series; no. 23).

Ham RO, Roberts CV, Luff R. A five-year review of referrals for prosthetic treatment in England, Wales and Northern Ireland, 1981-85. Health Trends 1989 Feb;21(1):3-6.

Huber JH. Instructing college students in use of wheelchair and prosthetics. Palaestra 1989 Winter; 5(2):41-6.

Huckstep RL. Appropriate surgery and appliances for patients with deformities and paralysis in developing countries. Instr Course Lect 1992;41:461-9.

James WV. Principles of limb fitting and prostheses. Ann R Coll Surg Engl 1991 May;73(3):158-62.

Jones D, Smart H, Hughes J. A bibliographic database and information retrieval system in prosthetics and orthotics. Health Bull (Edinb) 1991 Jul;49(4):277-84.

Jones LE. Prosthetic limb use in Australia 1981-1985 under the Free Limb Scheme. Prosthet Orthot Int 1989 Aug;13(2):76-81.

Jones LE, Lipson A. The care of the limb deficient child in Australia. Prosthet Orthot Int 1991 Aug;15(2):140-2.

Keal EE. Spare artificial legs [letter]. BMJ 1990 Jan 20;300(6718):195.

Keetarut S. Spare artificial legs. BMJ 1989 Nov 18; 299(6710):1260.

Kejer AN, Roschkow AW, Schtscherbina KK. [Creation of a weight-bearing leg stump and the fitting for a prosthesis]. Z Orthop 1990 Nov-Dec; 128(6):632-6. (Ger).

Krebs DE. Prosthetics and orthotics. In: Scully RM, Barnes MR, Canfield JS, et al., eds. Physical therapy. Philadelphia: Lippincott; 1989. p. 998-1051.

Kybard P. Prosthetics lead the way. Electron Wirel World 1989 Feb;95(1636):176-7.

Lane JM, Kroll MA, Rossbach PG. New advances and concepts in amputee management after treatment for bone and soft-tissue sarcomas. Clin Orthop 1990 Jul;(256):22-8.

Leonard JA Jr, Esquenazi A, Fisher SV, Hicks JE, Meier RH 3d, Nelson VS. Prosthetics, orthotics, and assistive devices. 1. General concepts. Arch Phys Med Rehabil 1989 May;70(5-S):S195-201.

Limb M, Calnan M. Artificial limbs: a real need. Health Serv J 1990 Nov 15;100(5227):1696-7.

Medicare program; carrier jurisdiction for claims for durable medical equipment, prosthetics, orthotics and supplies (DMEPOS) and other issues involving suppliers, and criteria and standards for evaluating regional DMEPOS carriers--HCFA. Final rule with comment period. Fed Regist 1992 Jun 18;57(118): 27290-308.

Nelson VS, Leonard JA Jr, Fisher SV, Esquenazi A, Hicks JE. Prosthetics, orthotics, and assistive devices. 2. Specialized seating and assistive devices. Arch Phys Med Rehabil 1989 May;70(5-S):S202-5.

NERAC, Inc. (Tolland, CT). Biomedical equipment: artificial organs and prostheses (latest citations from Information Services in Mechanical Engineering Database) [bibliography]. Springfield (VA): NTIS; 1992 Oct. 195 citations minimun. PB93851400XSP. (Supercedes PB90867805).

NERAC, Inc. (Tolland, CT). Limb and hip prostheses (latest citations from the U.S. Patent Database) [bibliography]. Springfield (VA): NTIS; 1992 Dec. 250 citations. PB93856862. (Supercedes PB90868274).

NERAC, Inc. (Tolland, CT). Multifunctional artificial limbs. January 1976 - November 1985. A bibliography from INSPEC: Information Services for the Physics and Engineering Communities Database. Springfield (VA): NTIS; 1990 May. 182 p. 229 citations. PB90868613XSP.

NERAC, Inc. (Tolland, CT). Multifunctional artificial limbs; latest citations from the INSPEC: Information Services for the Physics and Engineering Communities Database. December 1985 - April 1992 [bibliography]. Springfield (VA): NTIS; 1992 Jun. 188 citations. PB92855428XSP.

NERAC, Inc. (Tolland, CT). Prosthetic devices and materials: biocompatibility: bibliography from the BioBusiness database. Springfield (VA): NTIS; 1992 Jun. 250 citations. PB9285422231. (Supercedes PB90865452).

Nicholas JJ, Robinson LR, Schulz R, Blair C, Aliota R, Hairston G. Problems experienced and perceived by prosthetic patients. J Prosthet Orthot 1993 Jan; 5(1):16-9.

Nielsen CC. A survey of amputees: functional level and life satisfaction, information needs, and the prosthetist's rolee. J Prosthet Orthot 1991 Spring; 3(3):125-9.

Nihon Seikei Geka Gakkai; Nihon Rihabiriteshon Igakki, et al. Gishi sogu shoho manyuaru. Tokyo: Igaku Shoin; 1990. 143 p. (Jpn).

Nihon Seikei Geka Gakkai, Nihon Rihabiriteshon Igakkai Dai 3-han. Gishi sogu no chekku pointo. Tokyo: Igaku Shoin; c1987, 1989. 291 p. (Jpn).

Novotny MP, Childress DS. Northwestern University initiates prosthetics/orthotics information and education resource. J Assoc Child Prosthet Orthot Clin 1989 Spring;24(1):1-5.

Orpwood RD. Design methodology for aids for the disabled. J Med Eng Technol 1990 Jan-Feb;14(1): 2-10.

Paul JP, Barbenel JC, Courtney JM, Kenedi RM, eds. Progress in bioengineering: Strathclyde bioengineering seminars: proceedings of an International Seminar held on the Occasion of the 25th Anniversary of the Strathclyde Bioengineering Unit; 1988 Sep; Glasgow, Scotland. New York: A. Hilger; 1989. 299 p.

Pedretti LW, Pasquinelli S. Amputations and prosthetics. In: Pedretti LW, Zoltan B. Occupational therapy: practice skills for physical dysfunction. 3rd ed. St. Louis: Mosby; 1990. p. 419-44.

Phillips CA, ed. Effective upper & lower extremity prostheses. New York: Gordon & Breach Science Publ.; 1989. 276 p. (Automedica; v.11, no.1-3).

Pike AC, Nattress LW Jr. The changing role of the amputee in the rehabilitation process. Phys Med Rehabil Clin North Am 1991 May;2(2):405-14.

Polymeric prosthetic devices and materials: January 1970 - May 1989 :bibliography from U.S. Patent Database. Springfield (VA): NTIS; 1989 Jun. 114 p. 257 citations. PB89863245XSP.

Presperin JJ, ed. Capitalizing on technology: proceedings of the RESNA 13th annual conference; 1990 Jun 15-20; Washington, DC. Washington (DC): RESNA Press; 1990. 445 p.

Presperin JJ, ed. Technology for the next decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington: RESNA Press; 1989 Jun. 481 p.

Prosthetic devices. January 1974 - December 1989: bibliography from International Aerospace Abstracts database. Springfield (VA): NTIS; 1990 Mar. 78 p. 174 citations. PB90862600XSP.

Rehabilitation R & D progress reports 1988. J Rehabil Res Dev 1989 Feb;25 Suppl:1-419.

Rehabilitation R&D progress reports 1989. J Rehabil Res Dev 1990 Feb;26 Suppl:1-509.

Rehabilitation R&D progress reports 1990. J Rehabil Res Dev 1991 Winter;28(1):1-535.

RESNA '90: capitalizing on technology for people with disabilities. Proceedings of the 13th annual conference; 1990 Jun 15-20; Washington, DC. Washington (DC): RESNA Press; 1990. 445 p.

RESNA '91: technology for the nineties. Proceedings of the 14th annual conference; 1991 Jun 21-26; Kansas City, MO. Washington (DC): RESNA Press; 1991. 442 p.

RESNA '92: technology for consumers. Proceedings of the 15th annual conference; 1992 Jun 6-11; Toronto, Canada. Washington (DC): RESNA Press; 1992. 657 p.

Sabolich J. Sabolich Prosthetic and Research Center documentary [videocassette]. Oklahoma City: The Center; 1992. 1 videocassette: 120 min., sound, color, 1/2 in.

Shin DY. Advances in rehabilitation technology. Introduction. Adv Clin Rehabil 1990;3:3-9.

Shurr DG, Cook TM. Prosthetics & orthotics. Norwalk (CT): Appleton & Lange; 1990. 225 p.

Snell F. Bringing prosthetics into the 21st century. J Ark Med Soc 1992 Dec;89(7):337-8.

Stelarc. Prosthetics, robotics and remote existence: postevolutionary strategies. Leonardo 1991;24(5): 591-5.

Symposium: Amputations and artificial limbs. Clin Orthop 1990 Jul;(256):1-86.

United States Congress, Senate, Committee on Veterans' Affairs. Oversight on VA prosthetics and special disabilities programs : hearing 101-1043; before the Committee on Veterans' Affairs, United States Senate, One Hundred First Congress, second session, June 7, 1990. Washington (DC): U.S. Government Printing Office; 1990. 398 p.

University of Strathcylde, National Centre for Training and Education in Prosthetics and Orthotics (Scotland), RECAL Information Services. RECAL thesaurus: prosthetics, orthotics, and rehabilitation. Glasgow (UK): RECAL Information Services; 1988. 209 p.

Walsh NE, Lancaster JL, Faulkner VW, Rogers WE. A computerized system to manufacture prostheses for amputees in developing countries. J Prosthet Orthot 1989 Apr;1(3):165-81.

Ward RS, Hayes-Lundy C, Schnebly WA, Saffle JR. Prosthetic use in patients with burns and associated limb amputations. J Burn Care Rehabil 1990 Jul-Aug;11(4):361-4.

Watanabe H. [Recent research in prosthetics and orthotics]. Nippon Seikeigeka Gakkai Zasshi 1991 Apr;65(4):271-5. (Jpn).

Watts HG. Differences between a child and an adult amputee. Contemp Orthop 1992 Jan;24(1):33-40.

Williamson VC. Amputation of the lower extremity: an overview. Orthop Nurs 1992 Mar-Apr;11(2): 55-65.

Wilson AB Jr. Limb prosthetics. 6th ed. New York: Demos; 1989. 122 p.

DESIGN & MATERIALS

Ai-Kah S, Chee-Kiong S, Lau WS. Method for the design and analysis of a non-linear anisotropic lower limb prosthetic socket. J Biomed Eng 1990 Nov;12(6):470-6.

Amirova EK, Efimov VA, Kuzhekin AP, Lunina NV, Slepchenko AN, Ul'ianov SV, Khanukaev AS, Shakhnazarov MM, Shakhnazarova IV, Shishkin BV. [An expert system for choosing prostheses for the lower extremities (hip) and assessing the quality of the prosthesis. I.]. Med Tekh 1991 May-Jun;(3):26-31. (Rus).

Amirova EK, Efimov VA, Kuzhekin AP, Lunina NV, Slepchenko AN, Ul'ianov SV, Khanukaev AS, Shakhnazarov MM, Shakhnazarova IV, Shishkin BV. [Expert system of choosing lower limb (thigh) prosthesis and diagnosis of the quality of prosthetics (II)]. Med Tekh 1991 Nov-Dec;(6):5-12. (Rus).

Banzinger E. Surlyn socket designs for the young child. J Assoc Child Prosthet Orthot Clin 1989 Spring;24(1):12-3.

Bergamasco M, Salsedo F, Dario P. Shape memory alloy micromotors for direct-drive actuation of dexterous artificial hands. Sensors Actuators 1989 May 3;17(1-2):115-9. Paper presented at: EUROSENSORS II, the 4th Symposium on Sensors and Actuators; 1989 May 3; Enschede, Netherlands.

Besser MP. An investigation of the stump-socket interface of the patellar-tendon bearing below-knee prosthesis [dissertation]. Philadelphia: Drexel University; 1991. 84 p.

Bok SH, Bhattacharjee A, Nee AY, Pho RW, Teoh SH, Lim SY. Computer-Aided Design and Computer-Aided Manufacture (CAD-CAM) applications in cosmetic below-elbow prostheses. Ann Acad Med Singapore 1990 Sep;19(5):699-705.

Boone DA, Burgess EM. Automated fabrication of mobility aids: clinical demonstration of the ucl computer aided socket design system. J Prosthet Orthot 1989 Apr;1(3):187-90.

Brant JE. Technical note: a device to assist in the alignment and finishing of the syme's prosthesis. J Prosthet Orthot 1991 Winter;3(2):100-5.

Cappa AJ. The below-knee bypass prosthesis. J Prosthet Orthot 1992 Apr;4(3):166-70.

Carlson JM, French J. Knee orthoses for valgus protection. Experiments on 11 designs with related analyses of orthosis length and rigidity. Clin Orthop 1989 Oct;(247):175-92.

Carlson LE, Heim R. Holding assist for a voluntary-closing prosthetic prehensor. ASME Dyn Syst Control Div Publ 1989;17:79-87.

Carrico F. Rapid anthropometry for cad/cam design in prosthetics and orthotics. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 157-8.

Chappell PH, Kyberd PJ. Prehensile control of a hand prosthesis by a microcontroller. J Biomed Eng 1991 Sep;13(5):363-9.

Childress DS, Krick H, Heckathorne CW, Uellendahl J. Positive-locking components and hybrid fitting concepts for persons with high level bilateral arm amputations. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 296-7.

Connolly K. Artificial limb cosmesis design: a study of materials and production methods for improved performance [dissertation]. Guildford (UK): University of Surrey; 1990. 310 p.

Czerniecki JM, Gitter A, Munro C. Joint moment and muscle power output characteristics of below knee amputees during running: the influence of energy storing prosthetic feet. J Biomech 1991; 24(1):63-75. Published erratum appears in J Biomech 1991;24(3-4):271-2.

Daley TL, Scott RN, Parker PA, Lovely DF. Operator performance in myoelectric control of a multifunction prosthesis stimulator. J Rehabil Res Dev 1990 Winter;27(1):9-20.

Dalsey R, Gomez W, Seitz WH Jr, Dick HM, Hutnick G, Akdeniz R. Myoelectric prosthetic replacement in the upper-extremity amputee. Orthop Rev 1989 Jun;18(6):697-702.

DiAngelo DJ, Winter DA, Ghista DN, Newcombe WR. Performance assessment of the Terry Fox jogging prosthesis for above-knee amputees. J Biomech 1989;22(6-7):543-58.

Dietzen CJ, Harshberger J, Pidikiti RD. Suction sock suspension for above-knee prostheses. J Prosthet Orthot 1991 Winter;3(2):90-3.

Dixon P. Rehabilitation resources in certain Islamic countries [letter]. Prosthet Orthot Int 1990 Dec; 14(3):145.

Dobner DL. A prosthetic harness adaptation. Arch Phys Med Rehabil 1990 May;71(6):436-8.

Edelstein JE. Current choices in prosthetic feet. Crit Rev Phys Rehabil Med 1991;2(4):213-26.

Ehrler S, Buch-Jaeger N. [Hand prosthesis. Conception and surveillance]. Soins Chir 1991 May;(123):34-6. (Fre).

Erhart C, Barnsteiner KH. [Possibilities with provision of temporary prostheses]. Dtsch Krankenpflegez 1989 Mar;42(3):150-3. (Ger).

Esquenazi A, Leonard JA Jr, Meier RH 3d, Hicks JE, Fisher SV, Nelson VS. Prosthetics, orthotics, and assistive devices. 3. Prosthetics. Arch Phys Med Rehabil 1989 May;70(5-S):S206-9.

Esquenazi A, Torres MM. Prosthetic feet and ankle mechanisms. Phys Med Rehabil Clin North Am 1991 May;2(2):299-309.

Faulkner VW, Walsh NE. Computer designed prosthetic socket from analysis of computed tomography data. J Prosthet Orthot 1989 Apr; 1(3):154-64.

Fillauer CE, Pritham CH, Fillauer KD. Evolution and development of the silicone suction socket (3s) for below-knee prostheses. J Prosthet Orthot 1989 Jan; 1(2):99-103.

Fletchall S, Tran T, Ungaro V, Hickerson W. Updating upper extremity temporary prosthesis: thermoplastics. J Burn Care Rehabil 1992 Sep-Oct;13(5):584-6.

Gard SA, Childress DS, Heckathorne CW. Micropower, strain-gauge sampling circuit for prosthetic limb applications. Med Biol Eng Comput 1992 Mar;30(2):243-7.

Greenberg SL, Dudgeon BJ, Libby AK, Jaffee KM. Transition from a voluntary opening to a voluntary closing terminal device: case report. J Assoc Child Prosthet Orthot Clin 1990 Spring;25(1):6-8.

Guha SK, Anand S, Sharma J. Foot-controlled artificial arm with complementary activation by body power. Automedica 1989;11:201-7.

Guha SK, Chaudhry KK. A practical approach to multifunctional above knee prosthesis. Automedica 1989;11:233-45.

Guttenberg U, Rogoll G, Vossius G. [Measuring force distribution of the hand surface in grasping]. Biomed Tech (Berlin) 1989;34 Suppl:157-8. (Ger).

Haberman LJ. The garden state tri-wall expansion socket system (tess). J Prosthet Orthot 1989 Jul; 1(4):213-9.

Haberman LJ, Bedetto RA, Colodney EJ. Silicone-only suspension (SOS) for the above-knee amputee. J Prosthet Orthot 1992 Winter;4(2):76-85.

Hays RD, Leimkuehler JP, Miknevich MA, Troyer D. An alternative bent-knee prosthesis. Arch Phys Med Rehabil 1992 Nov;73(11):1118-21.

Heckathorne CW. Characterization of a force-sensitive resistive transducer for application to prosthesis control. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 224-5.

Heckathorne CW. Manipulation in unstructured environments: extended physiological proprioception, position control, and arm prostheses. Paper presented at: International Conference on Rehabilitation Robotics; 1990. [15 p.].

Heimke G. Biomaterials highlights. V. Percutaneous amputation stump extensions. Adv Mater 1990 Apr;2(4):189-91.

The Henry Ford Hospital cosmetic foot prosthesis [videocassette]. Park Ridge (IL): American Academy of Orthopedic Surgeons; [1991]. 1 videocassette: 8 min., 18 sec., sound, color, 1/2 in. Credits: Kent K. Wu.

Hillstrom HJ. Robust intent recognition for the control of myoelectric lower limb prosthesis [dissertation]. Philadelphia: Drexel University; 1989. 137 p.

Hiraiwa A, Shimohara K, Tokunaga Y. EMG pattern analysis and classification by neural network. In: 1989 IEEE International Conference on Systems, Man and Cybernetics. Conference proceedings; 1989 Nov 14-17; Cambridge, MA. Vol. 3. New York: IEEE; 1989. p. 1113-5.

Hirons RR, Williams KB, Amor RF, Day HJ. The prosthetic treatment of lower limb deficiency. Prosthet Orthot Int 1991 Aug;15(2):112-6.

Houghton A, Allen A, Luff R, McColl I. Rehabilitation after lower limb amputation: a comparative study of above-knee, through-knee and Gritti-Stokes amputations. Br J Surg 1989 Jun; 76(6):622-4.

Houston VL. Considerations in optical digitization of lower limb segments for prosthetics CADS/CAM. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 153-4.

Houston VL, Burgess EM, Childress DS, Lehneis HR, Mason CP, Garbarini MA, LaBlanc KP, Boone DA, Chan RB, Harlan JH, et al. Automated fabrication of mobility aids (AFMA): below-knee CASD/CAM testing and evaluation program results. J Rehabil Res Dev 1992 Fall;29(4):78-124.

International Society for the Study of Custom Prostheses. San Francisco, USA, October 17-19, 1991. Abstracts. J Bone Joint Surg [Br] 1992; 74 Suppl 2:161-89.

Ishal VA. [Rubber hinges in prostheses]. Ortop Travmatol Protez 1991 Jul;(7):54-5. (Rus).

Jungmichel D, Neubert G, Kortmann U. [A new prosthetic smooth wall shaft]. Beitr Orthop Traumatol 1990 Oct;37(10):580-3. (Ger).

Kabra SG. Articulated cadaveric bones as a structural endoskeleton in an ankle-foot prosthesis: a preliminary report. J Rehabil Res Dev 1990 Winter;27(1):43-52.

Kabra SG, Narayanan R. Ankle-foot prosthesis with articulated human bone endoskeleton: force-deflection and fatigue study. J Rehabil Res Dev 1991 Summer;28(3):13-22.

Kato A, Ito K, Ito M. [Compliant motion of ultrasonic motor by phase difference control]. Trans Soc Instr Control Eng 1991;27(11):1290-5 (Jpn).

Kohler P, Lindh L, Netz P. Comparison of CAD-CAM and hand made sockets for PTB prostheses. Prosthet Orthot Int 1989 Apr;13(1):19-24.

Krouskop TA, Malinauskas M, Williams J, Barry PA, Muilenburg AL, Winningham DJ. A computerized method for the design above-knee prosthetic socketse. J Prosthet Orthot 1989 Apr;1(3):131-8.

Kruit J, Cool JC. Body-powered hand prosthesis with low operating power for children. J Med Eng Technol 1989 Jan-Apr;13(1-2):129-33.

Kyberd PJ. Algorithmic control of a multifunction hand prosthesis [dissertation]. Highfield (UK): University of Southampton; 1990.

Lancaster JL, Walsh N, Faulkner V. Basic theory, design, and preliminary evaluation of a laser scanner for shape sensing below-the-knee amputees. Med Phys 1990 Mar-Apr;17(2):305-10.

Lancaster JL, Walsh N, Faulkner V. Evaluation of a laser scanner for shape sensing btk amputees. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 155-6.

Lange LR. The Lange silicone partial foot prosthesis. J Prosthet Orthot 1991 Fall;4(1):56-62.

Lasudry N, Warzee G, Van Rolleghem J. [Image processing and use of CAD in prosthesis manufacturing]. Onde Electr 1991 Jul-Aug;71(4): 45-8 (Fre).

LeBlanc M. Current evaluation of hydraulics to replace the cable force transmission system for body-powered upper-limb prostheses. Assist Technol 1990;2(3):101-7.

Levesque C, Gauthie-Gagnon C, Fillauer KD. An improved downhill skiing prosthesis. J Prosthet Orthot 1989 Jan;1(2):104-9.

Levesque C, Gauthier-Gagnon C, Beauregard M. An endoskeletal hip disarticulation prosthesis for the toddler. J Prosthet Orthot 1991 Spring;3(3):120-4.

Lilja M, Johansson T, Oberg T. Movement of the tibial end in a PTB prosthesis socket: a sagittal X-ray study of the PTB prosthesis. Prosthet Orthot Int 1993 Apr;17(1):21-6.

Madden M. Fabricating the spiral and hemi-spiral orthosis using a composite lay-up technique. J Prosthet Orthot 1991 Winter;3(2):94-9.

Madigan RR, Fillauer KD. 3-S prosthesis: a preliminary report. J Pediatr Orthop 1991 Jan-Feb;11(1):112-7.

Masi J, Nelson T, Skewes E. Active ventilation of above- and below-knee prosthetic devices. In: Proceedings of the 16th Annual Northeast Bioengineering Conference; 1990 Mar 26-27; State College, PA. New York: IEEE; 1990. p. 25-6.

Mathews D, Burgess E, Boone D. The all-terrain foot. J Prosthet Orthot 1993 Jan;5(1):29-30.

Meadows CB, Stallard J, Wright D, Gordon L, Major RE, Jones N. The Edinburgh-ORLAU prosthetic system to provide reciprocal locomotion in children and adults with complete transverse lower limb deficiency. Prosthet Orthot Int 1990 Dec;14(3): 111-6.

Meanley S. The development of a prototype patella tendon bearing prosthesis using high-density polyethylene piping (the drainpipe leg). Proc Inst Mech Eng [H] 1991;205(2):121-3.

Mehdan M. Tactile sensing for automata and prosthesis [dissertation]. London: Council for National Academic Awards; 1989. 290 p.

Merlette J. Springlite foot: a composite material engineer's approach to design. J Assoc Child Prosthet Orthot Clin 1989 Winter;24(4):86- .

Michael JW. Current concepts in above-knee socket design. Instr Course Lect 1990;39:373-8.

Michael JW. New developments in prosthetic feet for sports and recreation. Palaestra 1989 Winter;5(2): 21-2, 32, 34-5.

Michael JW. Reflections on cad/cam in prosthetics and orthotics. J Prosthet Orthot 1989 Apr;1(3): 116-21.

Michael JW, Gailey RS, Bowker JH. New developments in recreational prostheses and adaptive devices for the amputee. Clin Orthop 1990 Jul;(256):64-75.

Michael JW, Perry CD, Whitfield ML, Ferment RP. Technical note: simplified alignment of articulations to positive models. J Prosthet Orthot 1993 Jan; 5(1):31-3.

Moran BJ, Buttenshaw P, Mulcahy M, Robinson KP. Through-knee amputation in high-risk patients with vascular disease: indications, complications and rehabilitation. Br J Surg 1990 Oct;77(10):1118-20.

Nakamura T, Hatano E. Process of development and application of porous plastic to prosthetic sockets. J Prosthet Orthot 1989 Jul;1(4):202-10.

Neff G. [Prosthetic management of amputees]. Langenbecks Arch Chir Suppl Ii Verh Dtsch Ges Forsch Chir 1989:655-6. (Ger).

NERAC, Inc. (Tolland, CT). Limb and hip prostheses (latest citations from the U.S. Patent Database) [bibliography]. Springfield (VA): NTIS; 1992 Dec. 250 citations. PB93856862. (Supercedes PB90868274).

Oberg K, Kofman J, Karisson A, Lindstrom B, Sigblad G. The Capod system - a Scandinavian CAD/CAM system for prosthetic sockets. J Prosthet Orthot 1989 Apr;1(3):139-48.

Patil KM, Chakraborty JK. Analysis of a new polycentric above-knee prosthesis with a pneumatic swing phase control. J Biomech 1991;24(3-4): 223-33.

Patton JG, Shida-Tokeshi J, Setoguchi Y. Prosthetic components for children. Phys Med Rehabil 1991 Jun;5(2):245-64;

Peeraer L, Tilley K, Van der Perre G. A computer-controlled knee prosthesis: a preliminary report. J Med Eng Technol 1989 Jan-Apr;13(1-2):134-5.

Perry J, Auuappa E, Torburn L. Elastic response feet [letter]. J Rehabil Res Dev 1992 Spring;29(2):137.

Phillips CA. Modify the disability--not just the environment [editorial]. Automedica 1989;11(1-3): 1-3.

Pho RW, Lim SY, Pereira BP. Computer applications in orthopaedics. Ann Acad Med Singapore 1990 Sep;19(5):691-8.

Pinelli P. [Designing prostheses for elite athletes of the Federation Francaise Handisport]. Cinesiologie 1989 Nov-Dec;128:343-5. (Fre).

Pinzur MS, Littooy F, Osterman H, Schwartz D. A safe, pre-fabricated, immediate postoperative prosthetic limb system for rehabilitation of below-knee amputations. Orthopedics 1989 Oct;12(10): 1343-5.

Polymeric prosthetic devices and materials: January 1970 - May 1989: bibliography from U.S. Patent Database. Springfield (VA): NTIS; 1989 Jun. 114 p. 257 citations. PB89863245XSP.

Pritham CH. Biomechanics and shape of the above-knee socket considered in light of the ischial containment concept. Prosthet Orthot Int 1990 Apr; 14(1):9-21.

Pritham CH. Special considerations: emerging trends in lower-limb prosthetics: research and development. In: Bowker JH, Michael JW, eds. Atlas of limb prosthetics: surgical, prosthetic, and rehabilitation principles. St. Louis: Mosby Year Book; 1992. p. 655-61.

Proctor S, LeBlanc M. Clinical evaluation of a new design prosthetic prehensor. J Prosthet Orthot 1991 Winter;3(2):79-83.

Prosthetic devices. January 1974 - December 1989: bibliography from International Aerospace Abstracts database. Springfield (VA): NTIS; 1990 Mar. 78p. 174 citations. PB90862600XSP.

Quesada P, Skinner HB. Analysis of a below-knee patellar tendon-bearing prosthesis: a finite element study. J Rehabil Res Dev 1991 Summer;28(3): 1-12.

Radocy B. Prosthetic control biomechanics and voluntary closing prehensors: technical note. J Assoc Child Prosthet Orthot Clin 1990 Spring;25(1):9-10.

Reynolds DP, Lord M. Interface load analysis for computer-aided design of below-knee prosthetic sockets. Med Biol Eng Comput 1992 Jul;30(4): 419-26.

Riechmann ME, Pappas M, Findley T, Jain S, Hodgins J, Fox MD, Epstein MAF, Davis RB, Alward TM. Computer-aided design and computer-aided manufacturing of below-knee prosthetics. In: Proceedings of the 17th Annual Northeast Bioengineering Conference; 1991 Apr 4-5; Hartford, CT. New York: IEEE; 1991. p. 154-5.

Rooney JE, Pinzur MS. An easy-to-fabricate temporary syme's prosthesis. J Prosthet Orthot 1989 Jul;1(4):211-2.

Rothschild V. Technical note: a casting and modification method for the narrow m.l. socket. J Prosthet Orthot 1989 Jul;1(4):199-201.

Rothschild VR, Fox JR, Michael JW, Rothschild RJ, Playfair G. Clinical experience with total thermoplastic lower limb prosthesese. J Prosthet Orthot 1990 Fall;3(1):51-4.

Russell DL. An analysis of constrained motions in manipulation [dissertation]. Cambridge (MA): Massachusetts Institute of Technology; 1990.

Ryder RA. Occupational therapy for a patient with a bilateral Krukenberg amputation. Am J Occup Ther 1989 Oct;43(10):689-91.

Saadah ES. Swimming devices for below-knee amputees. Prosthet Orthot Int 1992 Aug;16(2): 140-1.

Saadah ESM. Rehabilitation of a below-knee amputee with a diving limb. Clin Rehabil 1989 Aug;3(3): 249-51.

Sabolich J. Sabolich Prosthetic and Research Center documentary [videocassette]. Oklahoma City: The Center; 1992. 1 videocassette: 120 min., sound, color, 1/2 in.

Sanders JE, Daly CH, Boone DA, Donaldson TF. An angular alignment measurement device for prosthetic fitting. Prosthet Orthot Int 1990 Dec; 14(3):143-4.

Saunders CG, Bannon M, Sabiston RM, Panych L, Jenks SL, Wood IR, Raschke S. The canfit system: shape management technology for prosthetic and orthotic applications. J Prosthet Orthot 1989 Apr;1(3):122-30.

Schmaman J, Carr L. Acrylic resin finger prosthesis. J Hand Surg [Br] 1992 Dec;17(6):673-4.

Sears HH. Approaches to prescription of body powered and myoelectric prostheses. Phys Med Rehabil Clin North Am 1991 May;2(2):361-71.

Sears HH. Special considerations: trends in upper-extremity prosthetics development. In: Bowker JH, Michael JW, eds. Atlas of limb prosthetics: surgical, prosthetic, and rehabilitation principles. St. Louis: Mosby Year Book; 1992. p. 345-56.

Sears HH, Shaperman J. Proportional myoelectric hand control: an evaluation. Am J Phys Med Rehabil 1991 Feb;70(1):20-8.

Sethi PK. The Knud Jansen lecture. Technological choices in prosthetics and orthotics for developing countries. Prosthet Orthot Int 1989 Dec;13(3): 117-24.

Shaperman J, Setoguchi Y. The CAPP terminal device, size 2: a new alternative for adolescents and adults. Prosthet Orthot Int 1989 Apr;13(1):25-8.

Sidles JA, Boone DA, Harlan JS, Burgess EM. Rectification maps: a new method for describing residual limb and socket shapes. J Prosthet Orthot 1989 Apr;1(3):149-53.

Silver-Thorn MB. Prediction and experimental verification of residual limb/prosthetic socket interface pressures for below-knee amputees [dissertation]. Evanston (IL): Northwestern University; 1991. 424 p.

Smirnova LM, Kozlov AA, Iankovskii VM, Rozhkov AV. [Thermovision in the evaluation of the quality of fitting of acceptable intake sockets of shin prostheses]. Ortop Travmatol Protez 1990 Sep;(9):14-6. (Rus).

Smith HG. Technical note: latex bonding of model build-ups. J Prosthet Orthot 1992 Apr;4(3):175.

Smith J, Tuel SM, Meythaler JM, Cross LL, Schuch JZ. Prosthetic management of hemicorporectomy patients: new approaches. Arch Phys Med Rehabil 1992 May;73(5):493-7.

Snell F. Bringing prosthetics into the 21st century. J Ark Med Soc 1992 Dec;89(7):337-8.

Soh AK, Soh CK, Lau WS. Method for the design and analysis of a non-linear anisotropic lower limb prosthetic socket. J Biomed Eng 1990 Nov;12(6): 470-6.

Stam HJ. The geriatric prosthesis as metaphor: a clinical note. Prosthet Orthot Int 1992 Aug;16(2): 137-9.

Thurston AJ, Rastorfer J, Burian H, Beasley AW. The Flek-shin: a composite material for use in flexible shank below-knee prostheses. Prosthet Orthot Int 1989 Aug;13(2):97-9.

Topper AK, Fernie GR. An evaluation of computer aided design of below-knee prosthetic sockets. Prosthet Orthot Int 1990 Dec;14(3):136-42.

Torres-Moreno R, Foort J, Morrison JB, Saunders CG. A reference shape library for computer aided socket design in above-knee prostheses. Prosthet Orthot Int 1989 Dec;13(3):130-9.

Torres-Moreno R, Morrison JB, Cooper D, Saunders CG, Foort J. A computer-aided socket design procedure for above-knee prostheses. J Rehabil Res Dev 1992 Summer;29(3):35-44.

Torres-Moreno R, Saunders CG, Foort J, Morrison JB. Computer-aided design and manufacture of an above-knee amputee socket. J Biomed Eng 1991 Jan;13(1):3-9.

Tscheuschner R, Rosenberger H. [Computer-assisted optimization of gait assessment--biocybernetic approach for an expert system for designing prostheses]. Biomed Tech (Berlin) 1990; 35 Suppl 3:56-8. (Ger).

Unsworth A. Tribology of human and artificial joints. Proc Inst Mech Eng [H] 1991;205(3):163-72.

Van de Veen PG. An investigation of design criteria of modular endoskeletal lower limbprostheses [dissertation]. Enschede (Netherlands): Twente University of Technology; 1989.

van Jaarsveld HW, Grootenboer HJ, de Vries J, Koopman HF. Stiffness and hysteresis properties of some prosthetic feet. Prosthet Orthot Int 1990 Dec;14(3):117-24.

Vossberg A. The choice of prosthetic and orthotic technique for less developed countries: analysis and perspectives in Colombia. Prosthet Orthot Int 1988 Aug;12(2):96-100.

Walsh NE, Lancaster JL, Faulkner VW, Rogers WE. A computerized system to manufacture prostheses for amputees in developing countries. J Prosthet Orthot 1989 Apr;1(3):165-81.

Walta HA. Handleiding onderarmprothese met open fitting: theorie, aanmeten en fabricage. [Manual for forearm prosthesis with open fitting]. Delft (Netherlands): Technische Hogeschool Delft; 1989. 86 p. (Dut).

Walta HA, Ariese P, Cool JC. Ergonomic socket design for congenital below elbow amputated children. J Rehabil Sci 1989 Mar;2(1):19-24.

Wang TK, Ju MS, Tsuei YG. Adaptative control of above knee electro-hydraulic prosthesis. J Biomech Eng 1992 Aug;114(3):421-4.

Watts HG. Special features of estimating leg length discrepancies in limb-deficient children. J Assoc Child Prosthet Orthot Clin 1992 Summer;27(1): 35-9.

Wing DC, Hittenberger DA. Energy-storing prosthetic feet. Arch Phys Med Rehabil 1989 Apr;70(4): 330-5.

Wirta RW, Mason R, Calvo K, Golbranson FL. Effect on gait using various prosthetic ankle-foot devices. J Rehabil Res Dev 1991 Spring;28(2):13-24.

Zeman BD, Prakash AS, Adler R. Prosthetic legs revisited [letter]. Med J Aust 1990 Jan 1;152(1): 54-5.

USES

Geriatric Applications

Baker PA, Hewison SR. Gait recovery pattern of unilateral lower limb amputees during rehabilitation. Prosthet Orthot Int 1990 Aug;14(2): 80-4.

Becker HM. [Current state of amputation surgery]. Langenbecks Arch Chir Suppl Ii Verh Dtsch Ges Forsch Chir 1989:623-5. (Ger).

Chan KM, Tan ES. Use of lower limb prosthesis among elderly amputees. Ann Acad Med Singapore 1990 Nov;19(6):811-6.

Cobb JW. Models for delivery of prosthetic services to geriatric patients. Top Geriatr Rehabil 1992 Sep; 8(1):59-63.

Collin C. Rehabilitation of elderly people with prostheses [letter]. BMJ 1991 Jun 1;302(6788): 1336.

Debogorski J. Initial preprosthetic evaluation of the elderly amputee. Top Geriatr Rehabil 1990 Dec; 6(2):65-8.

Gailey RS Jr. Recreational pursuits for elders with amputation. Top Geriatr Rehabil 1992 Sep;8(1): 39-58.

Geiger CM. The utilization of assistive devices by patients discharged from an acute rehabilitation setting. Phys Occup Ther Geriatr 1990;9(1):3-25.

Hanspal RS, Fisher K. Assessment of cognitive and psychomotor function and rehabilitation of elderly people with prostheses. BMJ 1991 Apr 20; 302(6782):940. Published erratum appears in BMJ 1991 May 18;302(6786):1182.

Hubbard WA. Rehabilitation outcomes for elderly lower limb amputees. Aust J Physiother 1989; 35(4):219-24.

Jackson-Wyatt O. Age-related changes in amputee rehabilitation. Top Geriatr Rehabil 1992 Sep;8(1): 1-12.

Lavan J. Rehabilitation of the elderly amputee. Ir Med J 1991 Oct;84(3):91-3. Published erratum appears in Ir Med J 1992 Jun;85(2):42.

Marmann C. [The geriatric amputee after release from successful rehabilitation]. Chirurg 1992 Oct; 63(10):suppl 204-5. (Ger).

Nissen SJ, Newman WP. Factors influencing reintegration to normal living after amputation. Arch Phys Med Rehabil 1992 Jun;73(6):548-51.

Putziger J, Kiene S, Sauer D. [Under the thigh amputation according to Bruckner]. Zentralbl Chir 1989;114(15):998-1005. (Ger).

Ruskin AP, Rosner H, Saperstein H. Bent-knee prosthesis. Geriatrics 1970 Jul;25(7):109-14.

Sinclair AM. Occupational therapy and the lower limb amputee in Western Australia. Br J Occup Ther 1991 Feb;54(2):69-71.

Sioson ER. The elderly amputee with severe chronic obstructive pulmonary disease. Case reports. J Am Geriatr Soc 1990 Jan;38(1):51-2.

Stam HJ. The geriatric prosthesis as metaphor: a clinical note. Prosthet Orthot Int 1992 Aug;16(2): 137-9.

Tucker NJ. Wheelchair walking. Geriatr Nurs (New York) 1991 Jan-Feb;12(1):37.

Wilson AB Jr. Limb prosthetics. 6th ed. New York: Demos; 1989. Special considerations in the treatment of eldely amputees; p. 103-4.

Wolf E, Lilling M, Ferber I, Marcus J. Prosthetic rehabilitation of elderly bilateral amputees. Int J Rehabil Res 1989;12(3):271-8.

Zijp EM, Rasenberg EM, van den Bosch JS. [Rehabilitation of nursing home patients with a leg amputation. A retrospective study]. Tijdschr Gerontol Geriatr 1992 Apr;23(2):54-9. (Dut).

Pediatric Applications

Abstracts from the Scientific Program presented at the Annual Meeting of the Association of Children's Prosthetic-Orthotic Clinics at Blythedale Children's Hospital, Valhalla, New York, June 7-9, 1990. J Assoc Child Prosthet Orthot Clin 1990 Fall; 25(2):26-47.

Abstracts from the scientific program presented at the annual meeting of the Association of Children's Prosthetic-Orthotic Clinics at Shriner's Hospital for Crippled Children, Portland, Oregon, May 1-4, 1991. J Assoc Child Prosthet Orthot Clin 1991 Summer;26(1):1-41.

Abstracts from the Scientific Program presented at the Annual Meeting of the Association of Children's Prosthetic-Orthotic Clinics at St. Louis, Missouri on June 10-13, 1992. J Assoc Child Prosthet Orthot Clin 1992 Fall;27(2):1-68.

Abstracts from the Scientific Program presented at the 1989 Annual Meeting. J Assoc Child Prosthet Orthot Clin 1989 Summer-Autumn;14(2-3):26-39.

Ashley RK, Vallier GT, Skinner SR. Gait analysis in pediatric lower extremity amputees. Orthop Rev 1992 Jun;21(6):745-9.

Ballance R, Wilson BN, Harder JA. Factors affecting myoelectric prosthetic use and wearing patterns in the juvenile unilateral below elbow amputee. Can J Occup Ther 1989 Jun;56(3):132-7.

Banzinger E, Harding A. Aqua Flex: a pediatric all-plastic prosthetic knee system. J Assoc Child Prosthet Orthot Clin 1991 Fall;26(2):53-5.

Banzinger E. Surlyn socket designs for the young child. J Assoc Child Prosthet Orthot Clin 1989 Spring;24(1):12-3.

Banzinger E, Beuachamp RD. Congenital amelia: prenatal diagnosis and postnatal prosthetic fitting. J Assoc Child Prosthet Orthot Clin 1989 Summer-Autumn;24(2-3):47-50.

Barker L, et al. Improved positioning for enhanced development: case study. J Assoc Child Prosthet Orthot Clin 1991 Spring-1990 Winter;25(3-4):61-5.

Bartlett DJ. Testing gait efficiency of limb-deficient children using the physiological cost index. J Assoc Child Prosthet Orthot Clin 1989 Summer-Autumn;24(2-3):51-2.

Baumgartner R. [Congenital limb abnormalities: amputate or not amputate?]. Rehabilitation (Stuttg) 1990 Feb;29(1):4-11. (Ger).

Berke GM, Nielsen CC. Establishing parameters affecting the use of myoelectric prostheses in children: a preliminary investigation. J Prosthet Orthot 1991 Summer;3(4):162-7.

Cammack S. Integration of pediatric amputees and their parents with an adult amputee support group. J Assoc Child Prosthet Orthot Clin 1989 Spring; 24(1):6-7.

Campbell JH. Reciprocating gait orthosis with linear bearing. J Assoc Child Prosthet Orthot Clin 1990 Spring;25(1):2-5.

Carlson L. Promoting sports for young amputees. Physician Sportsmed 1991 Jun;19(6):17-8.

Choi IH, Kumar SJ, Bowen JR. Amputation or limb-lengthening for partial or total absence of the fibula. J Bone Joint Surg [Am] 1990 Oct;72(9):1391-9.

Clinic members of the Association of Children's Prosthetics-Orthotics Clinics. J Assoc Child Prosthet Orthot Clin 1989 Spring;24(1):14-22.

Cook AM, Liu KM, Hoseit P. Robotic arm use by very young motorically disabled children. Assist Technol 1990;2(2):51-7.

Correll J. The state of technical orthopaedics in spina bifida. Z Kinderchir 1989 Dec;44 Suppl 1:8-10.

Cummings DR, Knapp SL. Lower limb pediatric prosthetics: general considerations and philosphy. J Prosthet Orthot 1992 Jul;4(4):196-206.

Curran B, Hambrey R. The prosthetic treatment of upper limb deficiency. Prosthet Orthot Int 1991 Aug;15(2):82-7.

Day HJ. The ISO/ISPO classification of congenital limb deficiency. Prosthet Orthot Int 1991 Aug; 15(2):67-9.

Derhaag MMC, Schoorl PM, Derhaag PJF. Personality development in one handed children treated with a myoelectrically controlled prosthesis. J Rehabil 1990 Jul-Sep;56(3):25-9.

DiCowden M. Pediatric rehabilitation: special patients, special needs. J Rehabil 1990 Jul-Sep;56(3):13-7.

Edelstein JE, Berger N. Performance comparison among children fitted with myoelectric and body-powered hands. Arch Phys Med Rehabil 1993 Apr; 74(4):376-80.

Engsberg JR, et al. Comparison of effort between below-knee amputee and normal children. J Assoc Child Prosthet Orthot Clin 1991 Fall;26(2):46-52.

Engsberg JR, Aldridge KC, Harder JA. Lower limb intersegmental forces for below-knee amputee children during standing. Prosthet Orthot Int 1991 Dec;15(3):185-91.

Engsberg JR, Allinger TL, Harder JA. Standing pressure distribution for normal and below-knee amputee children. Prosthet Orthot Int 1989 Dec;13(3):152-5.

Engsberg JR, Lee AG, Patterson JL, Harder JA. External loading comparisons between able-bodied and below-knee-amputee children during walking. Arch Phys Med Rehabil 1991 Aug;72(9):657-61.

Engsberg JR, Lee AG, Tedford KG, Harder Ja. Normative ground reaction force data for able-bodied and below-knee-amputee children during walking. J Pediatr Orthop 1993 Mar-Apr;13(2):69-73.

Engsberg JR, MacIntosh BR, Harder JA. Comparison of effort between children with and without below-knee amputation. J Assoc Child Prosthet Orthot Clin 1990 Spring;25(1):15-22.

Engsberg JR, Tedford KG, Harder JA. Center of mass location and segment angular orientation of below-knee-amputee and able-bodied children during walking. Arch Phys Med Rehabil 1992 Dec;73(12):1163-8.

Engsberg JR, Tedford KG, Harder JA, Mills JP. Timing changes for stance, swing, and double support in a recent below knee amputee child. Pediatr Exerc Sci 1990 Aug;2(3):255-62.

Engsberg JR, Tedford KG, Springer MJN, Harder JA. Technical note: weight distribution of below-knee amputee and able-bodies children during standing. Prosthet Orthot Int 1992 Dec;16(3):200-2.

Evans DG, Thakker Y, Donnai D. Heredity and dysmorphic syndromes in congenital limb deficiencies. Prosthet Orthot Int 1991 Aug;15(2):70-7.

Fernandez-Palazzi F, de Gutierrez DP, Paladino R. The care of the limb deficient child in Venezuela. Prosthet Orthot Int 1991 Aug;15(2):156-9.

Fielden RHN. Natural development of the quadrimembral congenital amputee: a case report. J Assoc Child Prosthet Orthot Clin 1991 Spring-1990 Winter;25(3-4):66-7.

Gendron BC, Andrew KL. The use of a rigid removable dressing in a juvenile amputee: a case report. J Assoc Child Prosthet Orthot Clin 1991 Fall;26(2):61-5.

Gosine RG, Harwin WS, Furby LJ, Jackson RD. An intelligent end-effector for a rehabilitation robot. J Med Eng Technol 1989 Jan-Apr;13(1-2):37-43.

Gover AM, McIvor J. Upper limb deficiencies in infants and young children. Infant Young Child 1992 Jul;5(1):58-72.

Hermansson LM. Structured training of children fitted with myoelectric prostheses. Prosthet Orthot Int 1991 Aug;15(2):88-92.

Hirons RR, Williams KB, Amor RF, Day HJ. The prosthetic treatment of lower limb deficiency. Prosthet Orthot Int 1991 Aug;15(2):112-6.

Holtz T, Marquardt E. [Provision of prostheses of children with abnormalities of the extremities]. Dtsch Krankenpflegez 1989 Mar;42(3):165-71. (Ger).

Hubbard S, Bush G, Kurtz I, Naumann S. Myolectric prostheses for the limb deficient child. Phys Med Rehabil Clin North Am 1991 Nov;2(4):847-66.

Jones LE, Lipson A. The care of the limb deficient child in Australia. Prosthet Orthot Int 1991 Aug;15(2):140-2.

Kakurai S, Kida M. The care of the limb deficient child in Japan. Prosthet Orthot Int 1991 Aug;15(2):146-51.

Kenan S, Bloom N, Lewis MM. Limb-sparing surgery in skeletally immature patients with osteosarcoma. The use of an expandable prosthesis. Clin Orthop 1991 Sep;(270):223-30.

Keolker T, Labhard SC. Hal gets a prosthesis. J Assoc Child Prosthet Orthot Clin 1991 Spring-1990 Winter;25(3-4):68-70.

Kiely T. Laura's story... osteogenic sarcoma... amputation. Nurs Times 1989 Aug 23-29;85(34):35-8.

Krebs DE, Edelstein JE, Thornby MA. Prosthetic management of children with limb deficiencies. Phys Ther 1991 Dec;71(12):920-34.

Kruger LM. Stubby prostheses in the rehabilitation of infants and small children with bilateral lower limb deficiencies. Rehabilitation (Stuttg) 1990 Feb;29(1):12-5.

Kruit J, Cool JC. Body-powered hand prosthesis with low operating power for children. J Med Eng Technol 1989 Jan-Apr;13(1-2):129-33.

Kullmann L. [Treatment and rehabilitation of dysmelic children]. Magy Traumatol Orthop Helyreallito Sebesz 1989;32(2):99-106. (Hun).

Lester EL. New developments in prosthetics for children. Audio Dig Orthop [audiocassette] 1990 Nov;13(11):Sides A & B [presentation 3, 18 min.]. Accompanied by: 1 guide.

Levesque C, Gauthier-Gagnon C, Beauregard M. An endoskeletal hip disarticulation prosthesis for the toddler. J Prosthet Orthot 1991 Spring;3(3):120-4.

The limb deficient child. ISPO symposium, Heidelberg, August 1988. Prosthet Orthot Int 1991 Aug;15(2): 65-162.

Madigan RR, Fillauer KD. 3-S prosthesis: a preliminary report. J Pediatr Orthop 1991 Jan-Feb;11(1):112-7.

Marquardt E. Special considerations: the multiple-limb-deficient child. In: Bowker JH, Michael JW, eds. Atlas of limb prosthetics: surgical, prosthetic, and rehabilitation principles. St. Louis: Mosby Year Book; 1992. p. 839-84.

Marquardt E, Fisk JR. Thalidomide children: thirty years later. J Assoc Child Prosthet Orthot Clin 1992 Summer;27(1):3-10.

Mason KJ. Congenital orthopedic anomalies and their impact on the family. Nurs Clin North Am 1991 Mar;26(1):1-16.

Michael J. Pediatric prosthetics and orthotics. In: Hedman G, ed. Rehabilitation technology. Binghamton (NY): Haworth Press; 1990. p. 123-46.

Michael J. Pediatric prosthetics and orthotics. Phys Occup Ther Pediatr 1990;10(2):123-46.

Milner M, Naumann S, Literowich W, Martin M, Ryan S, Sauter WF, Shein GF, Verburg G. Rehabilitation engineering in pediatrics. Pediatrician 1990;17(4):287-96.

Minnes PM, Stack DM. Research and practice with congenital amputees: making the whole greater than the sum of its parts. Int J Rehabil Res 1990;13(2): 151-60.

Novotny M, Swagman A. Caring for children with orthotic/prosthetic needs. J Prosthet Orthot 1992 Jul;4(4):191-5.

Oglesby DG Jr, Tablada C. Lower limb deficiencies: prosthetic and orthotic management. In: Bowker JH, Michael JW, eds. Atlas of limb prosthetics: surgical, prosthetic, and rehabilitation principles. St. Louis: Mosby Year Book; 1992. p. 835-8.

Oppenheim WL. Fibular deficiency and the indications for Syme's amputation. Prosthet Orthot Int 1991 Aug;15(2):131-6.

Page CJ, Messner DG. Special considerations: juvenile amputees: sports and recreation program development. In: Bowker JH, Michael JW, eds. Atlas of limb prosthetics: surgical, prosthetic, and rehabilitation principles. St. Louis: Mosby Year Book; 1992. p. 901-7.

Patton JG. Developmental approach to pediatric prosthetic evaluation and training. In: Meier RH 3d, Atkins DJ, eds. Comprehensive management of the upper-limb amputee. New York: Springer-Verlag; 1989. p. 137-49.

Patton JG. Upper-limb deficiencies: developmental approach to pediatric upper-limb prosthetic training. In: Bowker JH, Michael JW, eds. Atlas of limb prosthetics: surgical, prosthetic, and rehabilitation principles. St. Louis: Mosby Year Book; 1992. p. 779-93.

Patton JG. Upper-limb prosthetic components for children and teenagers. In: Meier RH 3d, Atkins DJ, eds. Comprehensive management of the upper-limb amputee. New York: Springer-Verlag; 1989. p. 99-120.

Patton JG, Shida-Tokeshi J, Setoguchi Y. Prosthetic components for children. Phys Med Rehabil 1991 Jun;5(2):245-64;

Plettenburg DH. Electric versus pneumatic power in hand prostheses for children. J Med Eng Technol 1989 Jan-Apr;13(1-2):124-8.

Setoguchi Y. Evaluation of the pediatric amputee. In: Meier RH 3d, Atkins DJ, eds. Comprehensive management of the upper-limb amputee. New York: Springer-Verlag; 1989. p. 92-98.

Setoguchi Y. The management of the limb deficient child and its family. Prosthet Orthot Int 1991 Aug; 15(2):78-81.

Shaperman J, Setoguchi Y, LeBlanc M. Upper limb strength of young limb deficient children as a factor in using body powered terminal devices - a pilot study. J Assoc Child Prosthet Orthot Clin 1992 Winter;27(3):89-96.

Sharma VP. The care of the limb deficient child in India. Prosthet Orthot Int 1991 Aug;15(2):143-5.

Sliman N, Mrabet A, Daghfous S, Douik M. The care of the limb deficient child in north Africa. Prosthet Orthot Int 1991 Aug;15(2):152-5.

Supan T. Upper-limb deficiencies: prosthetic and orthotic management. In: Bowker JH, Michael JW, eds. Atlas of limb prosthetics: surgical, prosthetic, and rehabilitation principles. St. Louis: Mosby Year Book; 1992. p. 761-6.

Svoboda J. Psychosocial considerations in pediatrics: use of amputee dolls. J Prosthet Orthot 1992 Jul; 4(4):207-12.

Swagman A. Caring for limb-deficient children and their families. MCN Am J Matern Child Nurs 1986 Jan-Feb;11(1):46-52.

Swagman A, et al. Family perceptions regarding conversion surgery experiences. J Assoc Child

Prosthet Orthot Clin 1991 Spring-1990 Winter; 25(3-4):50-5.

Talbot D. Review artice: helping the limb-deficient child deal with social reactions to physical differences. J Assoc Child Prosthet Orthot Clin 1991 Spring-1990 Winter;25(3-4):76-80.

Tebbi CK, Petrilli AS, Richards ME. Adjustment to amputation among adolescent oncology patients. Am J Pediatr Hematol Oncol 1989 Fall;11(3): 276-80.

Thornby MA, Krebs DE. Bimanual skill development in pediatric below elbow amputation: a multicenter, cross sectional study. Arch Phys Med Rehabil 1992 Aug;73(8):697-702.

Tooms RE. The amputee. In: Morrissy RT, ed. Lovell and Winter's pediatric orthopaedics. 3rd ed. Vol. 2. Philadelphia: Lippincott; 1990. p. 1023-70.

Trost FJ, Rowe D. Upper-limb deficiencies: externally powered prosthese. In: Bowker JH, Michael JW, eds. Atlas of limb prosthetics: surgical, prosthetic, and rehabilitation principles. St. Louis: Mosby Year Book; 1992. p. 767-78.

Tyc VL. Psychosocial adaptation of children and adolescents with limb deficiencies: A review. Clin Psychol Rev 1992;12(3):275-91.

Uellendahl J, Heckathorne CW, Krick H, Duff S, Patwardhan AG, Li S, Gavin T, Lorenz M, Meade KP, Logan GD, et al. Session 17: prosthetics and orthotics. In: Capitalizing on technology: proceedings of the RESNA 13th annual conference; 1990 Jun 15-20; Washington, DC. Washington (DC): RESNA Press; 1990. p. 167-76.

van Lunteren A, van Lunteren-Gerritsen GHM. On the use of prostheses by children with unilateral congenital forearm defect. J Rehabil Sci 1989;2(1): 10-12.

Varni JW, Rubenfeld LA, Talbot D, Setoguchi Y. Determinants of self esteem in children with congenital/acquired limb deficiencies. J Dev Behav Pediatr 1989 Feb;10(1):13-6.

Varni JW, Rubenfeld LA, Talbot D, Setoguchi Y. Stress, social support, and depressive symptomatology in children with congenital/acquired limb deficiencies. J Pediatr Psychol 1989 Dec;14(4):515-30.

Varni JW, Setoguchi Y. Correlates of perceived physical appearance in children with congenital/acquired limb deficiencies. J Dev Behav Pediatr 1991 Jun;12(3):171-6.

Varni JW, Setoguchi Y. Psychosocial factors in the management of children with limb deficiencies. Phys Med Rehabil Clin North Am 1991 May;2(2): 395-404.

Varni JW, Setoguchi Y. Self-perceived physical appearance in children and adolescents with congenital/acquired limb deficiencies. J Assoc Child Prosthet Orthot Clin 1991 Fall;26(2):56-60.

Varni JW, Setoguchi Y, Rappaport LR, Talbot D. Effects of stress, social support, and self-esteem on depression in children with limb deficiencies. Arch Phys Med Rehabil 1991 Dec;72(13):1053-8.

Varni JW, Setoguchi Y, Rappaport LR, Talbot D. Psychological adjustment and perceived social support in children with congenital/acquired limb deficiencies. J Behav Med 1992 Feb;15(1):31-44.

Vermeer A. Toward an interdisciplinary model for movement rehabilitation of physically disabled children. Appl Phys Activ Q 1989 Apr;6(2): 133-44.

Veth RP. IIB osteosarcoma. Current management, local control, and survival statistics--The Netherlands. Clin Orthop 1991 Sep;(270):67-71.

Walta HA. Esthetische haakprothese: ontwerp [Esthetical hook prothesis: design]. Delft (Netherlands): Technische Hogeschool Delft; 1989. 33 p. Available from: NTIS, Springfield, VA: PB90263690XSP. (Dut).

Walta HA. Handleiding onderarmprothese met open fitting: theorie, aanmeten en fabricage [Manual for forearm prosthesis with open fitting]. Delft (Netherlands): Technische Hogeschool Delft; 1989. 86 p. (Dut).

Watts HG. Differences between a child and an adult amputee. Contemp Orthop 1992 Jan;24(1):33-40.

Watts HG. Special features of estimating leg length discrepancies in limb-deficient children. J Assoc Child Prosthet Orthot Clin 1992 Summer;27(1): 35-9.

Wilson AB Jr. Limb prosthetics. 6th ed. New York: Demos; 1989. Special considerations in the treatment of child amputees; p. 99-102.

Windorski J. Limb loss: a complication of septicemia in children. J Assoc Child Prosthet Orthot Clin 1992 Winter;27(3):76-80.

Sports & Recreation

Couture LP, Dananberg HJ, Dinapoli DR, Velicky CP. Gait analysis : the new yardstick for the 1990's. Ampsports 1991 Autumn;2(8):17, 19, 21.

Crocker P, Bouffard M. Coping and participation of physically disabled adults in physical activity. CAHPER J 1990 Nov-Dec;56(6):28-33.

Czerniecki JM, Gitter A. Insights into amputee running. A muscle work analysis. Am J Phys Med Rehabil 1992 Aug;71(4):209-18.

Czerniecki JM, Gitter A, Munro C. Joint moment and muscle power output characteristics of below knee amputees during running: the influence of energy storing prosthetic feet. J Biomech 1991;24(1): 63-75. Published erratum appears in J Biomech 1991;24(3-4):271-2.

DiAngelo DJ, Winter DA, Ghista DN, Newcombe WR. Performance assessment of the Terry Fox jogging prosthesis for above-knee amputees. J Biomech 1989;22(6-7):543-58.

Directory of national recreation organizations. Except Parent 1991 Oct-Nov;21(7):44.

Engsberg JR, Allinger TL. A function of the talocalcaneal joint during running support. Foot Ankle 1990 Oct;11(2):93-6.

Epps CH Jr, Bryant DD. Competitive and recreational sports in children with limb deficiencies. J Assoc Child Prosthet Orthot Clin 1992 Summer;27(1): 25-34.

Fallon K. The disabled athlete. In: Bloomfield J, et al., eds. Textbook of science and medicine in sport. Melbourne (Australia): Blackwell; 1992. p. 488-511.

Gailey RS Jr. Recreational pursuits for elders with amputation. Top Geriatr Rehabil 1992 Sep;8(1): 39-58.

Garvey RS. Individuals with amputations find rehabilitation in competitive sports. J Rehabil 1989 Jan-Mar;55(1):19-20.

Hester R, Parks B. Teaching tennis to students with disabilities. In: Grosse S, ed. Sport instruction for individuals with disabilities: the best of practical pointers. Reston (VA): American Alliance for Health, Physical Education, Recreation and Dance; 1991. p. 202-16.

Huber JH. Instructing college students in use of wheelchair and prosthetics. Palaestra 1989 Winter; 5(2):41-6.

Johnstone KS, Perrin JCS. Sports for the handicapped child. Phys Med Rehabil 1991 Jun;5(2):331-50.

Kegel B. Special considerations: adaptations for sports and recreation. In: Bowker JH, Michael JW, eds. Atlas of limb prosthetics: surgical, prosthetic, and rehabilitation principles. St. Louis: Mosby Year Book; 1992. p. 623-54.

Knaus RL. Physiological and psychological benefits of exercise for athletes with disabilities: an interview with Gerorge Murray. J Osteopath Sports Med 1989 Nov;3(4):25-7.

Latsis T. Able disableds. Competition lets up in ski racing's newest division. Skiing 1989 Sep;42(1): 286, 288.

Levesque C, Gauthie-Gagnon C, Fillauer KD. An improved downhill skiing prosthesis. J Prosthet Orthot 1989 Jan;1(2):104-9.

Luo YZ. Muscular exercises for myoelectric control of artificial limbs. In: Kaneko M, ed. Fitness for the aged, disabled, and industrial worker. Champaign (IL): Human Kinetics Publishers; 1990. p. 154-9.

Menke W, Bodem F, Casel J, Volkert R. A new lower leg prosthesis with simulation device for the achilles tendon. In: Johnson RJ, Mote CD, Binet M, eds. Skiing trauma and safety: the 7th International Symposium; 1987 May 10-16; Chamonix-Mont-Blanc, France. Philadelphia: American Society for Testing and Materials; 1989. p. 160-6.

Mensch G. Exercise for amputees. In: Basmajian JV, Wolf SL, eds. Therapeutic exercise. Baltimore: Williams & Wilkins; 1990. p. 251-77.

Michael JW. New developments in prosthetic feet for sports and recreation. Palaestra 1989 Winter;5(2): 21-2, 32, 34-5.

Michael JW, Gailey RS, Bowker JH. New developments in recreational prostheses and adaptive devices for the amputee. Clin Orthop 1990 Jul;(256):64-75.

Nunn CJ, Goodman S. Coaching amputee athletes. Canberra (Australia): Australian Sports Commission; 1992. 51 p.

O'Rourke M. A decade of amputee sport. Sport Rep 1991 Spring;11(3):9.

Page CJ, Messner DG. Special considerations: juvenile amputees: sports and recreation program development. In: Bowker JH, Michael JW, eds. Atlas of limb prosthetics: surgical, prosthetic, and rehabilitation principles. St. Louis: Mosby Year Book; 1992. p. 901-7.

Pinelli P. [Designing prostheses for elite athletes of the Federation Francaise Handisport]. Cinesiologie 1989 Nov-Dec;128:343-5. (Fre).

Porretta DL. Cerebral palsy, amputations, and other orthopedic impairments. In: Winnick JP, ed. Adapted physical education and sport. Champaign (IL): Human Kinetics Publ.; 1990. p. 229-50.

Radocy B. Special considerations: upper-limb prosthetic adaptations for sports and recreation. In: Bowker JH, Michael JW, eds. Atlas of limb prosthetics: surgical, prosthetic, and rehabilitation principles. St. Louis: Mosby Year Book; 1992. p. 325-44.

Rossbach P, et al. Aggressive aerobic conditioning for amputees. J Assoc Child Prosthet Orthot Clin 1991 Spring-1990 Winter;25(3-4):56-8.

Saadah ES. Swimming devices for below-knee amputees. Prosthet Orthot Int 1992 Aug;16(2): 140-1.

Saadah ESM. Rehabilitation of a below-knee amputee with a diving limb. Clin Rehabil 1989 Aug;3(3): 249-51.

Senner V, Schaff P, Hauser W. A new artificial leg for ski boot testing. In: Mote CD, Johnson RJ, eds. Skiing trauma and safety: 8th International Symposium; Riksgrasen, Sweden; 1989. Philadelphia: ASTM; 1991. p. 200-7.

Shephard RJ. Fitness in special populations. Champaign (IL): Human Kinetics Publishers; 1990. 350 p.

Sherrill C, Hinson M, Gench B, Kennedy SO, et al. Self concepts of disabled youth athletes. Percept Mot Skills 1990 Jun;70(3 Pt 2):1093-8.

Smith AW. A biomechanical analysis of amputee athlete gait. Int J Sport Biomech 1990 Aug;6(3): 262-82.

Sport instruction for individuals with disabilities. The best of practical pointers. Reston (VA): American Alliance for Health, Physical Education, Recreation and Dance; 1991. 321 p.

Thisse MO, Brugerolle B, Beis JM, Andre JM, Paquin JM, Pailler D, Piera JB. Sports et appareillage des amputes [Orthopedic equipment for amputee athletes]. Cinesiologie (Paris) 1989 Nov-Dec;128: 335-41 (Fre).

Willis R. Jack Newton: a man no handicap can hold. Aust Golf News 1991 Sep:2-3, 5.

Wilson AB Jr. Limb prosthetics. 6th ed. New York: Demos; 1989. Sports and recreation for amputees; p. 113-14.

Upper Extremity Amputees

-General

Atkins DJ, Meier RH, eds. Comprehensive management of the upper-limb amputee. New York: Springer-Verlag; 1989. 260 p.

Bender LF. Upper extremity prosthetics. In: Kottke FJ, Lehman JF. Krusen's handbook of physical medicine and rehabilitation. 4th ed. Philadelphia: Saunders; 1990. p. 1009-23.

Carlson LE, Radocy B, Marschall PD. Spectron 12 cable for upper-limb prostheses. J Prosthet Orthot 1991 Spring;3(3):130-41.

Curran B, Hambrey R. The prosthetic treatment of upper limb deficiency. Prosthet Orthot Int 1991 Aug;15(2):82-7.

Daley TL, Scott RN, Parker PA, Lovely DF. Operator performance in myoelectric control of a multifunction prosthesis stimulator. J Rehabil Res Dev 1990 Winter;27(1):9-20.

Dalsey R, Gomez W, Seitz WH Jr, Dick HM, Hutnick G, Akdeniz R. Myoelectric prosthetic replacement in the upper-extremity amputee. Orthop Rev 1989 Jun;18(6):697-702.

Datta D, Brain ND. Clinical applications of myoelectrically-controlled prostheses. Crit Rev Phys Rehabil Med 1992;4(3-4):215-39.

Durfee WK, Mariano TR, Zahradnik JL. Simulator for evaluating shoulder motion as a command source for FES grasp restoration systems. Arch Phys Med Rehabil 1991 Dec;72(13):1088-94.

Edelstein JE. Preprosthetic management of patients with lower or upper limb amputation. Phys Med Rehabil Clin North Am 1991 May;2(2):285-97.

Fishman S, Berger N, Edelstein JE. ISNY flexible sockets for upper-limb amputees. J Assoc Child Prosthet Orthot Clin 1989 Spring;24(1):8-11.

Fletchall S, Hickerson WL. Early upper-extremity prosthetic fit in patients with burns. J Burn Care Rehabil 1991 May-Jun;12(3):234-6.

Fletchall S, Tran T, Ungaro V, Hickerson W. Updating upper extremity temporary prosthesis: thermoplastics. J Burn Care Rehabil 1992 Sep-Oct;13(5):584-6.

Gover AM, McIvor J. Upper limb deficiencies in infants and young children. Infant Young Child 1992 Jul;5(1):58-72.

Hambrey RA, Withinshaw G. Electrically powered upper limb prostheses: their development and application. Br J Occup Ther 1990 Jan;53(1):7-11.

Ito K, Nagaoka H, Tsuji T, Kato A, Ito M. [An EMG controlled prosthetic forearm with three degrees of freedom using ultrasonic motors]. Trans Soc Instr Control Eng 1991;27(11):1281-9. (Jpn).

Kejlaa G. [The course after amputation of upper extremities with special reference to the use of prostheses and social conditions]. Ugeskr Laeger 1991 Nov 18;153(47):3322-6. (Dan).

Kejlaa GH. The social and economic outcome after upper limb amputation. Prosthet Orthot Int 1992 Apr;16(1):25-31.

Kermani MZ, Badie K, Kim Y, Spelman FA. An intelligent strategy for motion interpretation in an EMG-controlled prosthesis. In: Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 11th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1989 Nov 9-12; Seattle, WA. Vol. 5. Piscataway (NJ): IEEE; 1989. p. 1682-3.

Kinoshita T, Tamesada T. [The fundamental face direction control system for shape memory alloy robot (shoulder disarticulation prosthesis, Zizai 2)]. Robot 1992 Mar;85:70-6. (Jpn).

Kotova VP, Vasil'eva IuI, Vasil'ev SV. [Socio-medical characteristics of patients with post-amputation defects of the upper limbs]. Ortop Travmatol Protez 1989 Jun;(6):57-60. (Rus).

LeBlanc M. Current evaluation of hydraulics to replace the cable force transmission system for body-powered upper-limb prostheses. Assist Technol 1990;2(3):101-7.

Lehneis HR, Dickey R. Special considerations: fitting and training the bilateral upper-limb amputee. In: Bowker JH, Michael JW, eds. Atlas of limb prosthetics: surgical, prosthetic, and rehabilitation principles. St. Louis: Mosby Year Book; 1992. p. 311-23.

Lovely DF, Stocke D, Scott RN. A computer-aided myoelectric training system for young upper limb amputees. J Microcomp Appl 1990 Jul;13(3): 245-59.

Luo YZ. Muscular exercises for myoelectric control of artificial limbs. In: Kaneko M, ed. Fitness for the aged, disabled, and industrial worker. Champaign (IL): Human Kinetics Publishers; 1990. p. 154-9.

Malick MH. Upper limb orthotics. Curr Opin Orthop 1990 Dec;1(3):450-4.

Marquardt E. The Heidelberg experience. In: Meier RH 3d, Atkins DJ, eds. Comprehensive management of the upper-limb amputee. New York: Springer-Verlag; 1989. p. 240-52.

Martini G, Vitangeli L, Assennato P, Drommi M. [Problems and techniques of functional rehabilitation of upper limb stump]. Clin Ter 1990 Jul 15;134(1):13-24. (Ita).

McDonnell PM, Scott RN, Dickison J, Theriault RA, Wood B. Do artificial limbs become part of the user? New evidence. J Rehabil Res Dev 1989 Spring;26(2):17-24.

Meek SG, Fetherston SJ. Comparison of signal-to-noise ratio of myoelectric filters for prosthesis control. J Rehabil Res Dev 1992 Fall;29(4):9-20.

Meek SG, Wood JE, Jacobsen SC. Model based, multi muscle EMG control of upper extremity prostheses. In: Winters JM, Woo SL, eds. Multiple muscle systems: biomechanics and movement organization. New York: Springer-Verlag; 1990. p. 360-76.

Nishikawa K, Kuribayashi K. Neural network application to a discrimination system for EMG-controlled prostheses. In: Intelligence for Mechanical Systems: proceedings or IROS '91. IEEE/RSJ International Workshop on Intelligent Robots and Systems '91; 1991 Nov 3-5; Osaka, Japan. Vol. 1. New York: IEEE; 1991. p. 231-6.

Patton JG. Developmental approach to pediatric prosthetic evaluation and training. In: Meier RH 3d, Atkins DJ, eds. Comprehensive management of the upper-limb amputee. New York: Springer-Verlag; 1989. p. 137-49.

Patton JG. Upper-limb deficiencies: developmental approach to pediatric upper-limb prosthetic training. In: Bowker JH, Michael JW, eds. Atlas of limb prosthetics: surgical, prosthetic, and rehabilitation principles. St. Louis: Mosby Year Book; 1992. p. 779-93.

Patton JG. Upper-limb prosthetic components for children and teenagers. In: Meier RH 3d, Atkins DJ, eds. Comprehensive management of the upper-limb amputee. New York: Springer-Verlag; 1989. p. 99-120.

Phillips CA, ed. Effective upper & lower extremity prostheses. New York: Gordon & Breach Science Publ.; 1989. 276 p. (Automedica; v.11, no.1-3).

Repperger DE, Frazier JW, Goodyear C. Control strategies with application to limb prostheses. Automedica 1989;11:123-43.

Reyburn TV. The "Z: strap: harnessing modification for patients with upper extremity amputations. Arch Phys Med Rehabil 1991 Mar;72(3):250-2.

Roeschlein RA, Domholdt E. Factors related to successful upper extremity prosthetic use. Prosthet Orthot Int 1989 Apr;13(1):14-8.

Ryder RA. Occupational therapy for a patient with a bilateral Krukenberg amputation. Am J Occup Ther 1989 Oct;43(10):689-91.

Scott RN. Biomedical engineering in upper-limb prosthetics. In: Meier RH 3d, Atkins DJ, eds. Comprehensive management of the upper-limb amputee. New York: Springer-Verlag; 1989. p. 173-89.

Sears HH. Special considerations: trends in upper-extremity prosthetics development. In: Bowker JH, Michael JW, eds. Atlas of limb prosthetics: surgical, prosthetic, and rehabilitation principles. St. Louis: Mosby Year Book; 1992. p. 345-56.

Setoguchi Y. Evaluation of the pediatric amputee. In: Meier RH 3d, Atkins DJ, eds. Comprehensive management of the upper-limb amputee. New York: Springer-Verlag; 1989. p. 92-98.

Shaperman J. Upper limb strength of young limb deficient chldren as a factor in using body powered terminal devices - a pilot study. J Assoc Child Prosthet Orthot Clin 1992 Winter;27(3):89-96.

Spiegel SR. Adult myoelectric upper-limb prosthetic training. In: Meier RH 3d, Atkins DJ, eds. Comprehensive management of the upper-limb amputee. New York: Springer-Verlag; 1989. p. 60-71.

Steinke NM, Ostgard SE, Jensen OM, Nordentoft AM, Sneppen O. [Thoraco-scapular amputation in sarcomas of the shoulder girdle]. Ugeskr Laeger 1991 Sep 9;153(37):2555-7. (Dan).

Supan T. Upper-limb deficiencies: prosthetic and orthotic management. In: Bowker JH, Michael JW, eds. Atlas of limb prosthetics: surgical, prosthetic, and rehabilitation principles. St. Louis: Mosby Year Book; 1992. p. 761-6.

Trost FJ, Rowe D. Upper-limb deficiencies: externally powered prosthese. In: Bowker JH, Michael JW, eds. Atlas of limb prosthetics: surgical, prosthetic, and rehabilitation principles. St. Louis: Mosby Year Book; 1992. p. 767-78.

The use of upper extremity prostheses [videocassette]. [place unknown]: Art Heinze; 1988. 1 videocassette: 49 min., sound, color, 1/2 in.

van Dijk AJ. Congenital reduction deficiencies of the upper extremities. Epidemiology and rehabilitation services in the Netherlands. J Rehabil Sci 1990; 3(3):84-8.

Wilson AB Jr. Limb prosthetics. 6th ed. New York: Demos; 1989. Prostheses for upper-limb amputees; p. 69-90.

Zahradnik J. Shoulder movement as a command control source for upper limb neural prostheses [master's thesis]. Cambridge (MA): Massachusetts Institute of Technology; 1989.

-Arm & elbow

Abul-Haj CJ, Hogan N. Functional assessment of control systems for cybernetic elbow prostheses--Part I: Description of the technique. IEEE Trans Biomed Eng 1990 Nov;37(11):1025-36.

Abul-Haj CJ, Hogan N. Functional assessment of control systems for cybernetic elbow prostheses--Part II: Application of the technique. IEEE Trans Biomed Eng 1990 Nov;37(11):1037-47.

Asghar MA, Fallah A, Mikaili R. Control of the electric motor in a cybernetic arm. Cybernet Syst 1991 Jan-Feb;22(1):119-34.

Bok SH, Bhattacharjee A, Nee AY, Pho RW, Teoh SH, Lim SY. Computer-Aided Design and Computer-Aided Manufacture (CAD-CAM) applications in cosmetic below-elbow prostheses. Ann Acad Med Singapore 1990 Sep;19(5):699-705.

Bruckner L, Krieghoff R, Arnold W, Schneider R. [Experience with the reintroduction of the Sauerbruch-Lebsche operation (Sauerbruch's kineplasty)]. Zentralbl Chir 1990;115(5):293-9. (Ger).

Carlson LE, Radocy B, Marschall PD. Spectron 12 cable for upper-limb prostheses. J Prosthet Orthot 1991 Spring;3(3):130-41.

Castiello U, Stelmach GE. Generalized representation of handwriting: evidence of effector independence. Acta Psychol (Amst) 1993 Mar;82(1-3):53-68.

Cauquil C, Thaury MN, de Godebout J, Ster J, Ster F, Bouzigues B, Ducros P. [Radio-carpal amputation and prosthesis]. Ann Chir Main Memb Super 1992;11(1):69-73. (Fre).

Childress DS, Krick H, Heckathorne CW, Uellendahl J. Positive-locking components and hybrid fitting concepts for persons with high level bilateral arm amputations. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 296-7.

Cook AM, Liu KM, Hoseit P. Robotic arm use by very young motorically disabled children. Assist Technol 1990;2(2):51-7.

Crandall RC, Hansen D. Clinical evaluations of a voluntary-closing terminal device for below-elbow amputees. J Assoc Child Prosthet Orthot Clin 1989 Winter;24(4):71-4.

Curran B, Hambrey R. The prosthetic treatment of upper limb deficiency. Prosthet Orthot Int 1991 Aug;15(2):82-7.

Daley TL, Scott RN, Parker PA, Lovely DF. Operator performance in myoelectric control of a multifunction prosthesis stimulator. J Rehabil Res Dev 1990 Winter;27(1):9-20.

Dalsey R, Gomez W, Seitz WH Jr, Dick HM, Hutnick G, Akdeniz R. Myoelectric prosthetic replacement in the upper-extremity amputee. Orthop Rev 1989 Jun;18(6):697-702.

Datta D, Kingston J, Ronald J. Myoelectric prostheses for below-elbow amputees: the Trent experience. Int Disabil Stud 1989 Oct-Dec;11(4):167-70.

Dobner DL. A prosthetic harness adaptation. Arch Phys Med Rehabil 1990 May;71(6):436-8.

Dowling R, Laine B. Improving mobility of a patient with a left below elbow prosthesis and right hemiparesis. Clin Kinesiol 1991 Spring;45(1): 19-21.

Fletchall S, Hickerson WL. Early upper-extremity prosthetic fit in patients with burns. J Burn Care Rehabil 1991 May-Jun;12(3):234-6.

Ghez C, Gordon J, Ghilardi MF, Christakos CN, Cooper SE. Roles of proprioceptive input in the programming of arm trajectories. Cold Spring Harb Symp Quant Biol 1990;55:837-47.

Guha SK, Anand S, Sharma J. Foot-controlled artificial arm with complementary activation by body power. Automedica 1989;11:201-7.

Heckathorne CW. Characterization of a force-sensitive resistive transducer for application to prosthesis control. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 224-5.

Heckathorne CW. Manipulation in unstructured environments: extended physiological proprioception, position control, and arm prostheses. Paper presented at: International Conference on Rehabilitation Robotics; 1990. [15 p.].

Hillman M, Jepson J. Evaluation of a robotic workstation for the disabled. J Biomed Eng 1992 May;14(3):187-92.

Hillman MR, Pullin GM, Gammie AR, Stammers CW, Orpwood RD. Development of a robot arm and workstation for the disabled. J Biomed Eng 1990 May;12(3):199-204.

Howell R, et al (Ohio State University, Columbus). A prototype robotic arm for use by severely orthopedically handicapped students. Final report. Washington (DC): Office of Special Education and Rehabilitative Services; 1989 Dec. 102 p. Available from: ERIC, Arlington, VA; ED346 664, EC301 276.

Ito K, Nagaoka H, Tsuji T, Kato A, Ito M. [An EMG controlled prosthetic forearm with three degrees of freedom using ultrasonic motors]. Trans Soc Instr Control Eng 1991;27(11):1281-9 (Jpn).

Ito K, Tsuji T, Kato A, Ito M. Limb-function discrimination using EMG signals by neural network and application to prosthetic forearm control. In: 1991 IEEE International Joint Conference Neural Network; 1991 Nov 18-21; Singapore. Vol. 2. New York: IEEE; 1991. p. 1214-9.

Kato A, Ito K, Ito M. [Compliant motion of ultrasonic motor by phase difference control]. Trans Soc Instr Control Eng 1991;27(11):1290-5 (Jpn).

Kelly MF, Parker PA, Scott RN. The application of neural networks to myoelectric signal analysis: a preliminary study. IEEE Trans Biomed Eng 1990 Mar;37(3):221-30.

Kermani MZ, Badie K, Kim Y, Spelman FA. An intelligent strategy for motion interpretation in an EMG-controlled prosthesis. In: Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 11th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1989 Nov 9-12; Seattle, WA. Vol. 5. Piscataway (NJ): IEEE; 1989. p. 1682-3.

Kishinchandani RS. Quantitative assessment of above-elbow prosthetic control [masters thesis]. Boston: Massachusetts General Hospital Institute of Health Professions; 1991. 121 p.

LeBlanc M. Current evaluation of hydraulics to replace the cable force transmission system for body-powered upper-limb prostheses. Assist Technol 1990;2(3):101-7.

McDonnell PM, Scott RN, Dickison J, Theriault RA, Wood B. Do artificial limbs become part of the user? New evidence. J Rehabil Res Dev 1989 Spring;26(2):17-24.

Megahed SM. Automatic algebraic computation of basic kinematic equations of tree structure robot arms: application to human arms. J Eng Med 1991;205(H3):135-43.

Phillippe-Auguste JS, Gibbons DT. Simulation and modelling of a microcomputer controlled above-elbow prosthesis. Automedica 1989;11(1-3): 99-109.

Prout W. The New York electric elbow. The New York prehension actuator, and the NU-VA synergetic prehensor. In: Meier RH 3d, Atkins DJ, eds. Comprehensive management of the upper-limb amputee. New York: Springer-Verlag; 1989. p. 221-6.

Rahman T. Control of a prosthetic arm using coordinated movements of the shoulder [dissertation]. Philadelphia: Drexel University; 1991. 155 p.

Romm S. Arms by design: from antiquity to the Renaissance. Plast Reconstr Surg 1989 Jul;84(1): 158-63.

Sauter WF. The use of electric elbows in the rehabilitation of children with upper limb deficiencies. Prosthet Orthot Int 1991 Aug; 15(2):93-5.

Scharer C. A learning man-machine interface for an artificial arm. In: Intelligence for Mechanical Systems: proceedings of IROS '91. IEEE/RSJ International Workshop on Intelligent Robots and Systems '91; 1991 Nov 3-5; Osaka, Japan. Vol. 1. New York: IEEE; 1991. p. 227-30;

Sears HH, Andrew JT, Jacobsen SC. Experience with the Utah arm, hand and terminal device. In: Meier RH 3d, Atkins DJ, eds. Comprehensive management of the upper-limb amputee. New York: Springer-Verlag; 1989. p. 194-210.

Thornby MA, Krebs DE. Bimanual skill development in pediatric below elbow amputation: a multicenter, cross sectional study. Arch Phys Med Rehabil 1992 Aug;73(8):697-702.

Uellendahl J, Heckathorne CW, Krick H, Duff S, Patwardhan AG, Li S, Gavin T, Lorenz M, Meade KP, Logan GD, et al. Session 17: prosthetics and orthotics. In: Capitalizing on technology: proceedings of the RESNA 13th annual conference; 1990 Jun 15-20; Washington, DC. Washington (DC): RESNA Press; 1990. p. 167-76.

van Lunteren A, van Lunteren-Gerritsen GHM. On the use of prostheses by children with unilateral congenital forearm defect. J Rehabil Sci 1989;2(1): 10-12.

Vincenzi C, Cameli N, Vassilopoulou A, Tosti A. Allergic contact dermatitis due to benzoyl peroxide in an arm prosthesis. Contact Dermatitis 1991 Jan; 24(1):66-7.

Walta HA. Handleiding onderarmprothese met open fitting: theorie, aanmeten en fabricage. [Manual for forearm prosthesis with open fitting]. Delft (Netherlands): Technische Hogeschool Delft; 1989. 86 p. (Dut).

Wiegner AW. Can basic science help improve arm function in C5 tetraplegia? J Am Paraplegia Soc 1993 Apr;16(2):75.

Williams TW 3d. Use of the Boston elbow for high-level amputees. In: Meier RH 3d, Atkins DJ, eds. Comprehensive management of the upper-limb amputee. New York: Springer-Verlag; 1989. p. 211-20.

Wirta RW, Taylor DR, Finley FR. Pattern-recognition arm prosthesis: a historical perspective-a final report. Bull Prosthet Res 1978 Fall:8-35.

Wood JE, Meek SG, Jacobsen SC. Quantitation of human shoulder anatomy for prosthetic arm control. I. surface modelling. J Biomech 1989;22(3): 273-92.

Wood JE, Meek SG, Jacobsen SC. Quantitation of human shoulder anatomy for prosthetic arm control- II. anatomy matrices. J Biomech 1989;22(4): 309-25.

Zahradnik J. Shoulder movement as a command control source for upper limb neural prostheses [master's thesis]. Cambridge (MA): Massachusetts Institute of Technology; 1989.

Zarii KM, Motamedy A, Hashemi RM, Zajc B, Solina F. An approach to redundancy cancelling in order to use a single chip processor for IAV evaluation in cybernetic arm. In: 6th Mediterranean Electrotechnical Conference Proceedings; 1991 May 22-24; Ljublijana, Slovenia. Vol. 1. New York: IEEE; 1991. p. 744-7.

-Hand

Akazawa, K., Hayashi, Y. [Estimation of neuromuscular control system dynamics for development of myoelectric hand prosthesis.] Trans Inst Electron Inf Commun Eng D-II 1990 Feb;J73D-II(2):257-65. (Jpn).

Alison A, Mackinnon SE. Evaluation of digital prostheses. J Hand Surg [Am] 1992 Sep;17(5): 923-6.

Ballance R, Wilson BN, Harder JA. Factors affecting myoelectric prosthetic use and wearing patterns in the juvenile unilateral below elbow amputee. Can J Occup Ther 1989 Jun;56(3):132-7.

Beasley RW, de Beze GM. Prosthetic replacements for the thumb. Hand Clin 1992 Feb;8(1):63-9.

Beasley RW, de Beze GM. Prosthetic substitution for fingernails. Hand Clin 1990 Feb;6(1):105-10; discussion 111.

Bergamasco M, Salsedo F, Dario P. Shape memory alloy micromotors for direct-drive actuation of dexterous artificial hands. Paper presented at: EUROSENSORS II, the 4th Symposium on Sensors and Actuators; 1989 May 3; Enschede, Netherlands. Sensors Actuators 1989 May 3;17(1-2):115-9.

Bergman K, Ornholmer L, Zackrisson K, Thyberg M. Functional benefit of an adaptive myoelectric prosthetic hand compared to a conventional myoelectric hand. Prosthet Orthot Int 1992 Apr; 16(1):32-7.

Blinov BV, Kharitonenko DA. [A device for "finger" spreading after forearm stump splitting]. Ortop Travmatol Protez 1990 Sep;(9):53-4. (Rus).

Bok SH, Bhattacharjee A, Nee AY, Pho RW, Teoh SH, Lim SY. Computer-Aided Design and Computer-Aided Manufacture (CAD-CAM) applications in cosmetic below-elbow prostheses. Ann Acad Med Singapore 1990 Sep;19(5):699-705.

Boldyrev AI, Mendelevich IA, Lepilova OI. [Evaluation of residual function of the hand in its defects]. Ortop Travmatol Protez 1989 Jul;(7): 34-6. (Rus).

Campbell GS, Gow D, Hooper G. Low cost cosmetic hand prostheses. J Hand Surg [Br] 1992 Apr;17(2): 201-3.

Carlson LE, Heim R. Holding assist for a voluntary-closing prosthetic prehensor. ASME Dyn Syst Control Div Publ 1989;17:79-87.

Cauquil C, Thaury MN, de Godebout J, Ster J, Ster F, Bouzigues B, Ducros P. [Radio-carpal amputation and prosthesis]. Ann Chir Main Memb Super 1992;11(1):69-73. (Fre).

Chappell PH, Kyberd PJ. Prehensile control of a hand prosthesis by a microcontroller. J Biomed Eng 1991 Sep;13(5):363-9.

Crago PE, Lemay M, Kim Y, Spelman FA. Active regulation of grasp stiffness in neuroprosthesis for restoration of hand function in quadriplegics. In: Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 11th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1989 Nov 9-12; Seattle, WA. Vol. 3. Piscataway (NJ): IEEE; 1989. p. 902-3.

Crago PE, Nakai RJ, Chizeck HJ. Feedback regulation of hand grasp opening and contact force during stimulation of paralyzed muscle. IEEE Trans Biomed Eng 1991 Jan;38(1):17-28.

Crandall RC, Hansen D. Clinical evaluations of a voluntary-closing terminal device for below-elbow amputees. J Assoc Child Prosthet Orthot Clin 1989 Winter;24(4):71-4.

Curran B, Hambrey R. The prosthetic treatment of upper limb deficiency. Prosthet Orthot Int 1991 Aug;15(2):82-7.

Daley TL, Scott RN, Parker PA, Lovely DF. Operator performance in myoelectric control of a multifunction prosthesis stimulator. J Rehabil Res Dev 1990 Winter;27(1):9-20.

Datta D, Kingston J, Ronald J. Myoelectric prostheses for below-elbow amputees: the Trent experience. Int Disabil Stud 1989 Oct-Dec;11(4):167-70.

Derhaag MMC, Schoorl PM, Derhaag PJF. Personality development in one handed children treated with a myoelectrically controlled prosthesis. J Rehabil 1990 Jul-Sep;56(3):25-9.

Duncan RM. Basic principles of splinting the hand. Phys Ther 1989 Dec;69(12):1104-16.

Edelstein JE, Berger N. Performance comparison among children fitted with myoelectric and body-powered hands. Arch Phys Med Rehabil 1993 Apr; 74(4):376-80.

Ehrler S, Buch-Jaeger N. [Hand prosthesis. Conception and surveillance]. Soins Chir 1991 May;(123):34-6. (Fre).

Elsley RK. Adaptive control of prosthetic limbs using neural networks. In: Caudill M, ed. IJCNN International Joint Conference on Neural Networks; 1990 Jan 15-19; Washington, DC. Vol. 2. Hillsdale (NJ): Lawrence Erlbaum Associates; 1990. p. 771-6.

Guttenberg U, Rogoll G, Vossius G. [Measuring force distribution of the hand surface in grasping]. Biomed Tech (Berlin) 1989;34 Suppl:157-8. (Ger).

Hines AE, Crago PE, Kim Y, Spelman FA. Assessment of neuroprosthetic hand grasp by combined force and position tracking. In: Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 11th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1989 Nov 9-12; Seattle, WA. Vol. 5. Piscataway (NJ): IEEE; 1989. p. 1481-2.

Hines AE, Owens NE, Crago PE. Assessment of input-output properties and control of neuroprosthetic hand grasp. IEEE Trans Biomed Eng 1992 Jun;39(6):61-23.

Iberall T, Torras C, MacKenzie C, Kohonen T, Fogelman-Soulie F. Parameterizing prehension: a mathematical model of opposition space. In: Kohonen T, Fogelman-Soulie F, eds. Cognitiva 90. At the crossroads of artificial intelligence, cognitive science and neuroscience. Proceedings of the 3rd Cognitiva Symposium; 1990 Nov 20-23, Madrid, Spain. Amsterdam; New York: North-Holland; Elsevier Science Publ.; 1991. p. 635-42.

Iwasawa M, Matsuo K, Hirose T, Sakaguchi Y. Improvement in the surgical results of treatment of duplicated thumb by preoperative splinting. J Hand Surg [Am] 1989 Nov;14(6):941-5.

Keith MW, Peckham PH, Thrope GB, Buckett JR, Stroh KC, Menger V. Functional neuromuscular stimulation neuroprostheses for the tetraplegic hand. Clin Orthop 1988 Aug;(233):25-33.

Keith MW, Peckham PH, Thrope GB, Stroh KC, Smith B, Buckett JR, Kilgore KL, Jatich JW. Implantable functional neuromuscular stimulation in the tetraplegic hand. J Hand Surg [Am] 1989 May; 14(3):524-30.

Kilgore KL. Optimization and automation of stimulus mpa synthesis for upper extremity fns [dissertation]. Cleveland: Case Western Reserve University; 1991. 198 p.

Kilgore KL, Peckham PH, Keith MW, Thrope GB. Electrode characterization for functional application to upper extremity FNS. IEEE Trans Biomed Eng 1990 Jan;37(1):12-21.

Kilgore KL, Peckham PH, Thrope GB, Keith MW, Gallaher-Stone KA. Synthesis of hand grasp using functional neuromuscular stimulation. IEEE Trans Biomed Eng 1989 Jul;36(7):761-70.

Knox E. Slip detection and automatic grasping for and externally powered prehensor [master's thesis]. Chicago: Northwestern University; 1990.

Kruger LM, Fishman S. Myoelectric and body-powered prostheses. J Pediatr Orthop 1993 Jan-Feb;13(1):68-75.

Kruit J, Cool JC. Body-powered hand prosthesis with low operating power for children. J Med Eng Technol 1989 Jan-Apr;13(1-2):129-33.

Kulkarni JR. Partial hand prostheses: a clinic profile. Br J Occup Ther 1990 May;53(5):200-1.

Kybard P. Prosthetics lead the way. Electron Wirel World 1989 Feb;95(1636):176-7.

Kyberd PJ. Algorithmic control of a multifunction hand prosthesis [dissertation]. Highfield (UK): University of Southampton; 1990.

Kyberd PJ, Chappell PH. Characterization of an optical and acoustic touch and slip sensor for autonomous manipulation. Measur Sci Technol 1992 Oct;3(10):969-75.

Kyberd PJ, Chappell PH. Object-slip detection during manipulation using a derived force vector. Mechatron 1992 Feb;2(1):1-13.

LeBlanc M, Setoguchi Y, Shaperman J, Carlson L. Mechanical work efficiencies of body-powered prehensors for young children. J Assoc Child Prosthet Orthot Clin 1992 Winter;27(3):70-5.

Meghdari A, Arefi M, Mahmoudian M, Hamza MH. Biomechanical aspects of the Sharif artificial hand. In: Hamza MH, ed. Computers and Advanced Technology in Medicine, Healthcare and Bioengineering: proceedings of the IASTED International Symposium; 1990 Aug 15-17; Hawaii. Anaheim (CA): ACTA Press; 1990. p. 32-6.

Mehdan M. Tactile sensing for automata and prosthesis [dissertation]. London: Council for National Academic Awards; 1989. 290 p.

Nader M. The artificial substitution of missing hands with myoelectrical prostheses. Clin Orthop 1990 Sep;(258):9-17.

Patterson PE, Katz JA. Design and evaluation of a sensory feedback system that provides grasping pressure in a myoelectric hand. J Rehabil Res Dev 1992 Winter;29(1):1-8.

Plettenburg DH. Electric versus pneumatic power in hand prostheses for children. J Med Eng Technol 1989 Jan-Apr;13(1-2):124-8.

Proctor S, LeBlanc M. Clinical evaluation of a new design prosthetic prehensor. J Prosthet Orthot 1991 Winter;3(2):79-83.

Putzi R. Myoelectric partial-hand prosthesis. J Prosthet Orthot 1992 Winter;4(2):103-8.

Radocy B. Prosthetic control biomechanics and voluntary closing prehensors: technical note. J Assoc Child Prosthet Orthot Clin 1990 Spring; 25(1):9-10.

Reinkensmeyer DJ, Lum PS, Lehman SL. Human control of a simple two-hand grasp. Biol Cybern 1992;67(6):553-64.

Schmaman J, Carr L. Acrylic resin finger prosthesis. J Hand Surg [Br] 1992 Dec;17(6):673-4.

Sears HH, Andrew JT, Jacobsen SC. Experience with the Utah arm, hand and terminal device. In: Meier RH 3d, Atkins DJ, eds. Comprehensive management of the upper-limb amputee. New York: Springer-Verlag; 1989. p. 194-210.

Shaperman J, Setoguchi Y. The CAPP terminal device, size 2: a new alternative for adolescents and adults. Prosthet Orthot Int 1989 Apr;13(1):25-8.

Slack M, Berbrayer D. A myoelectrically controlled wrist-hand orthosis for brachia plexus injury: a case study. J Prosthet Orthot 1992 Apr;4(3):171-4.

Stansfield SA. (Sandia National Labs., Albuquerque, NM). Connectionist and neural net implementations of a robotic grasp generator. Washington (DC): U.S. Department of Energy; 1992 Jan 6. Report No.: SAND911746C, CONF9204711. Contract No.: AC0476DP00789. 15 p. Available from: NTIS, Springfield, VA.; DE92006832XSP. Paper presented at: International Society for Optical Engineering (SPIE) conference; 1992 Apr 20; Orlando, FL.

Stansfield SA. (Sandia National Labs., Albuquerque, NM). Experiments in robotic sensori-motor control during grasp. Washington (DC): U.S. Department of Energy; 1991 Sep 6. Report No.: SAND911379. Contract No.: AC0476DP00789. 21 p. Available from: NTIS, Springfield, VA.; DE92005384XSP.

Stansfield SA. (Sandia National Labs., Albuquerque, NM). Expert system for automated robotic grasping. Washington (DC): U.S. Department of Energy; 1990 May 10. Report No.: SAND901200CExtdAbst, CONF9011011. Contract No.: AC0476DO00789. 13 p. Available from: NTIS, Springfield, VA.; DE90010820SXP. Paper presented at: American Nuclear Society winter meeting; 1990 Nov 11-15; Washington, DC.

Stansfield SA. (Sandia National Labs., Albuquerque, NM). Haptic system for a multifingered hand. Washington (DC): U.S. Department of Energy; 1990. Report No.: SAND902001C, CONF9104511. Contract No.: AC0476DP00789. 25p. Available from: NTIS, Springfield, VA.; DE90017044XSP. Paper presented at: IEEE robotics and automation conference; 1991 Apr 7-12; Sacremento, CA.

Swanson AB, DeGroot Swanson G. [Krukenberg-plasty in young patients]. Rehabilitation (Stuttg) 1990 Feb;29(1):19-24. (Ger).

Thrope G, Stroh K, Baco A (Case Western Reserve University, Veterans Administration Medical

Center). Standardized object test for quantitative assessment of hand grasp function using the C.W.R.U. upper extremity neuroprosthesis. In: Technology for the next decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 181-2.

Walta HA, Ariese P, Cool JC. Ergonomic socket design for congenital below elbow amputated children. J Rehabil Sci 1989 Mar;2(1):19-24.

Walta JA (Technische Hogeschool Delft. Faculteit der Werktuigbouwkunde en Maritieme Techniek). Esthetische haakprothese: ontwerp [Esthetical hook prothesis: design]. Delft (Netherlands): The Hogeschool; 1989. 33 p. PB90263690XSP. (Dut).

Wijman CA, Stroh KC, Van Doren CL, Thrope GB, Peckham PH, Keith MW. Functional evaluation of quadriplegic patients using a hand neuroprosthesis. Arch Phys Med Rehabil 1990 Dec;71(13):1053-7.

Lower Extremity Amputees

-General

Ai-Kah S, Chee-Kiong S, Lau WS. Method for the design and analysis of a non-linear anisotropic lower limb prosthetic socket. J Biomed Eng 1990 Nov;12(6):470-6.

Amirova EK, Efimov VA, Kuzhekin AP, Lunina NV, Slepchenko AN, Ul'ianov SV, Khanukaev AS, Shakhnazarov MM, Shakhnazarova IV, Shishkin BV. [An expert system for choosing prostheses for the lower extremities (hip) and assessing the quality of the prosthesis. I.]. Med Tekh 1991 May-Jun;(3):26-31. (Rus).

Amirova EK, Efimov VA, Kuzhekin AP, Lunina NV, Slepchenko AN, Ul'ianov SV, Khanukaev AS, Shakhnazarov MM, Shakhnazarova IV, Shishkin BV. [Expert system of choosing lower limb (thigh) prosthesis and diagnosis of the quality of prosthetics (II)]. Med Tekh 1991 Nov-Dec;(6):5-12. (Rus).

Ashley RK, Vallier GT, Skinner SR. Gait analysis in pediatric lower extremity amputees. Orthop Rev 1992 Jun;21(6):745-9.

Bagley AM, Skinner HB. Progress in gait analysis in amputees: a special review. Crit Rev Phys Rehabil Med 1991;3(2):101-20.

Baker PA, Hewison SR. Gait recovery pattern of unilateral lower limb amputees during rehabilitation. Prosthet Orthot Int 1990 Aug;14(2):80-4.

Bansal VP, Harmit S. Monomelic macrodystrophia lipomatosa. A case report. Int Orthop 1989;13(1):77-9.

Blohmke F, Nader M, eds. Otto Bock prosthetic compendium: lower extremity prostheses. Berlin: Schiele & Schoe; 1989. 96 p.

Chan KM, Tan ES. Use of lower limb prosthesis among elderly amputees. Ann Acad Med Singapore 1990 Nov;19(6):811-6.

Connolly K. Artificial limb cosmesis design: a study of materials and production methods for improved performance [dissertation]. Guildford (UK): University of Surrey; 1990. 310 p.

Cummings DR, Knapp SL. Lower limb pediatric prosthetics: general considerations and philosphy. J Prosthet Orthot 1992 Jul;4(4):196-206.

Cupo M. Application of rehabilitation engineering for a bilateral hemipelvectomy amputee with chronic sacral decubitus ulcers. Clin Kinesiol 1991 Spring;45(1):22-5.

Datta D, Nair PN, Payne J. Outcome of prosthetic management of bilateral lower-limb amputees. Disabil Rehabil 1992 Apr-Jun;14(2):98-102.

De Luccia N, Pinto MA, Guedes JP, Albers MT. Rehabilitation after amputation for vascular disease: a follow-up study. Prosthet Orthot Int 1992 Aug; 16(2):124-8.

Dohler K, de Neve W. [Rehabilitation of leg amputees]. Z Arztl Fortbild (Jena) 1989;83(19): 949-51. (Ger).

Edelstein JE. Preprosthetic management of patients with lower or upper limb amputation. Phys Med Rehabil Clin North Am 1991 May;2(2):285-97.

Ehrlich R, Garlick D, Ninio M. Electromyographic activity in walking subjects with and without prosthetic devices. In: Woollacott M, Horak F, eds. Posture and gait: control mechanisms, 1992. Proceedings of the 11th International Symposium of the Society for Postural and Gait Research; Portland, OR. Vol. 2. Portland (OR): University of Oregon; 1992. p. 369-71.

Folsom D, King T, Rubin JR. Lower-extremity amputation with immediate postoperative prosthetic placement. Am J Surg 1992 Oct;164(4):320-2.

Friedmann LW. Rehabilitation of the lower extremity amputee. In: Kottke FJ, Lehman JF. Krusen's handbook of physical medicine and rehabilitation. 4th ed. Philadelphia: Saunders; 1990. p. 1024-69.

Gailey RS Jr, Clark CR. Physical therapy management of adult lower-limb amputees. In: Bowker JH, Michael JW, eds. Atlas of limb prosthetics: surgical, prosthetic, and rehabilitation principles. St. Louis: Mosby Year Book; 1992. p. 569-97.

Gruman G, Michael JW. Translumbar amputation (hemicorporectomy): prosthetic considerations. In: Bowker JH, Michael JW, eds. Atlas of limb prosthetics: surgical, prosthetic, and rehabilitation principles. St. Louis: Mosby Year Book; 1992. p. 563-8.

Hagberg E, Berlin K, Renstrom P. Function after through-knee as compared to above-knee and below-knee amputation. Prosthet Orthot Int 1992 Dec;16(3):168-73.

Hillstrom HJ. Robust intent recognition for the control of myoelectric lower limb prosthesis [dissertation]. Philadelphia: Drexel University; 1989. 137 p.

Hirons RR, Williams KB, Amor RF, Day HJ. The prosthetic treatment of lower limb deficiency. Prosthet Orthot Int 1991 Aug;15(2):112-6.

Houston VL. Considerations in optical digitization of lower limb segments for prosthetics CADS/CAM. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 153-4.

Hubbard WA. Rehabilitation outcomes for elderly lower limb amputees. Aust J Physiother 1989; 35(4):219-24.

Jain AS, Stewart CP. Tumour related lower limb amputation: a 23 year experience. Prosthet Orthot Int 1989 Aug;13(2):82-5.

James WV. Principles of limb fitting and prostheses. Ann R Coll Surg Engl 1991 May;73(3):158-62.

Jonas HP, Ott W, Morscher M. [Amputation and prosthetic replacement of the lower extremities in arterial occlusive diseases]. Vasa Suppl 1992;37: 68-70. (Ger).

Karacoloff LA, Hammersley CS, Schneider FJ. Lower extremity amputation: a guide to functional outcomes in physical therapy management. 2nd ed. Gaithersburg (MD): Aspen Publishers; 1992. 254 p.

Kegel B. Special considerations: adaptations for sports and recreation. In: Bowker JH, Michael JW, eds. Atlas of limb prosthetics: surgical, prosthetic, and rehabilitation principles. St. Louis: Mosby Year Book; 1992. p. 623-54.

Kejer AN, Roschkow AW, Schtscherbina KK. [Creation of a weight-bearing leg stump and the fitting for a prosthesis]. Z Orthop 1990 Nov-Dec; 128(6):632-6. (Ger).

Kirby RL, Chari VR. Prostheses and the forward reach of sitting lower-limb amputees. Arch Phys Med Rehabil 1990 Feb;71(2):125-7.

Kruger LM. Stubby prostheses in the rehabilitation of infants and small children with bilateral lower limb deficiencies. Rehabilitation (Stuttg) 1990 Feb; 29(1):12-5.

Lavan J. Rehabilitation of the elderly amputee. Ir Med J 1991 Oct;84(3):91-3. Published erratum appears in Ir Med J 1992 Jun;85(2):42.

Levesque C, Gauthier-Gagnon C, Beauregard M. An endoskeletal hip disarticulation prosthesis for the toddler. J Prosthet Orthot 1991 Spring;3(3):120-4.

Lower-limb prosthetics. [New York]: New York University, Post-Graduate Medical School, Prosthetics and Orthotics; 1990. 255 p.

May BJ. Preprosthetic management for lower extremity amputation. In: O'Sullivan SB, Schmitz TJ. Physical rehabilitation: assessment and treatment. 2nd ed. Philadelphia: F.A. Davis; 1988. p. 385-405.

McElroy GK, Hubbard WA. Strategy of gait re-education for amputees. In: Proceedings of the 18th National Biennial Conference of ACHPER (Australian Council for Health, Physical Education and Recreation); 1991; Perth, Australia. Vol. 2. Hindmarsh (Australia): ACHPER; 1991. p. 441-8.

Meadows CB, Stallard J, Wright D, Gordon L, Major RE, Jones N. The Edinburgh-ORLAU prosthetic system to provide reciprocal locomotion in children and adults with complete transverse lower limb deficiency. Prosthet Orthot Int 1990 Dec;14(3): 111-6.

Medhat A, Huber PM, Medhat MA. Factors that influence the level of activities in persons with lower extremity amputation. Rehabil Nurs 1990 Jan-Feb;15(1):13-8.

Moore TJ, Barron J, Hutchinson F 3d, Golden C, Ellis C, Humphries D. Prosthetic usage following major lower extremity amputation. Clin Orthop 1989 Jan;(238):219-24.

Moran BJ, Buttenshaw P, Mulcahy M, Robinson KP. Through-knee amputation in high-risk patients with vascular disease: indications, complications and rehabilitation. Br J Surg 1990 Oct;77(10):1118-20.

Murdoch G, Donovan RG. Amputation surgery and lower limb prosthetics. Oxford: Blackwell Scientific Publications; 1988. 470 p.

Neff G. [Prosthetic management of amputees]. Langenbecks Arch Chir Suppl Ii Verh Dtsch Ges Forsch Chir 1989:655-6. (Ger).

Nissan M. The initiation of gait in lower limb amputees: some related data. J Rehabil Res Dev 1991 Spring;28(2):1-12.

Nissen SJ, Newman WP. Factors influencing reintegration to normal living after amputation. Arch Phys Med Rehabil 1992 Jun;73(6):548-51.

O'Connell PG, Gnatz S. Hemiplegia and amputation: rehabilitation in the dual disability. Arch Phys Med Rehabil 1989 Jun;70(6):451-4.

Oglesby DG Jr, Tablada C. Lower limb deficiencies: prosthetic and orthotic management. In: Bowker JH, Michael JW, eds. Atlas of limb prosthetics: surgical, prosthetic, and rehabilitation principles. St. Louis: Mosby Year Book; 1992. p. 835-8.

Oppenheim WL. Fibular deficiency and the indications for Syme's amputation. Prosthet Orthot Int 1991 Aug;15(2):131-6.

Padula PA, Friedmann LW. Amputee gait. Phys Med Rehabil Clin North Am 1991 May;2(2):423-32.

Palma T, Hoyle D. Lower extremity amputation. Clin Manage 1992 May-Jun;12(3):96-9.

Penington G, Warmington S, Hull S, Freijah N. Rehabilitation of lower limb amputees and some implications for surgical management. Aust N Z J Surg 1992 Oct;62(10):774-9.

Phillips CA, ed. Effective upper & lower extremity prostheses. New York: Gordon & Breach Science Publ.; 1989. 276 p. (Automedica; vol. 11, no. 1-3).

Pinzur MS. New concepts in lower-limb amputation and prosthetic management. Instr Course Lect 1990;39:361-6.

Pinzur MS, Littooy F, Daniels J, Arney C, Reddy NK, Graham G, Osterman H. Multidisciplinary preoperative assessment and late function in dysvascular amputees. Clin Orthop 1992 Aug;(281):239-43.

Pohjolainen T, Alaranta H. Predictive factors of functional ability after lower-limb amputation. Ann Chir Gynaecol 1991;80(1):36-9.

Pohjolainen T, Alaranta H, Karkkainen M. Prosthetic use and functional and social outcome following major lower limb amputation. Prosthet Orthot Int 1990 Aug;14(2):75-9.

Pohjolainen T, Alaranta H, Wikstrom J. Primary survival and prosthetic fitting of lower limb amputees. Prosthet Orthot Int 1989 Aug;13(2): 63-9.

Porter D, Roberts VC. A review of gait assessment in the lower limb amputee. Preparation Contractor part 1: temporal and kinematic analysis. Clin Rehabil 1989 Feb;3:65-74.

Pratt DJ. Three dimensional electrogoniometric study of selected knee orthoses. Clin Biomech 1991;6(2): 67-72.

Pritham CH. Special considerations: emerging trends in lower-limb prosthetics: research and development. In: Bowker JH, Michael JW, eds. Atlas of limb prosthetics: surgical, prosthetic, and rehabilitation principles. St. Louis: Mosby Year Book; 1992. p. 655-61.

Raven KA, Brugger CA. Hemicorporectomy: a nursing challenge. Orthop Nurs 1992 Mar-Apr; 11(2):73-8.

Reidy ME, Steen V, Nicholas JJ. Lower extremity amputation in scleroderma. Arch Phys Med Rehabil 1992 Sep;73(9):811-3.

Rothschild VR, Fox JR, Michael JW, Rothschild RJ, Playfair G. Clinical experience with total thermoplastic lower limb prosthesese. J Prosthet Orthot 1990 Fall;3(1):51-4.

Rovetta A. A new technology with an old face and a proud heritage. Mechatron 1991;1(2):117-26.

Rovetta A, Xia W. Biorobotics in a new artificial leg. In: Proceedings of IROS '90: IEEE International Workshop on Intelligent Robots and Systems '90: towards a new frontier of applications; 1990 Jul 3-6; Ibaraki, Japan. Vol. 2. New York: IEEE; 1990. p. 971-6.

Rovetta A, Xia W, Cosmi F. Realization of a prosthesis of the lower limb: development of kinematics. Robot Comput Integr Manuf 1991; 8(3):137-42.

Rozhkov AV, Shcherbina KK, Susliaev VG. [Functional characteristics of the upper leg stumps after knee joint disarticulation and prosthesis]. Ortop Travmatol Protez 1991 Jun;(6):29-33. (Rus).

Rozsos I, Kollar L, Kiss T, Tanto Z, Molnar L. [Data on possibilities of rehabilitation of lower limb amputees]. Orv Hetil 1991 Sep 15;132(37):2045-8. (Hun).

Sabolich J. Prosthetic advances in lower extremity amputation. Phys Med Rehabil Clin North Am 1991 May;2(2):415-22.

Sanders JE, Daly CH, Boone DA, Donaldson TF. An angular alignment measurement device for prosthetic fitting. Prosthet Orthot Int 1990 Dec; 14(3):143-4.

Sartoretti C. [Amputations of the lower extremity]. Helv Chir Acta 1991 Jul;58(1-2):235-8. (Ger).

Seliktar R, Mizrahi J, Vachranukunkiet T, Besser M, Kuenzig D. Human performance with the prosthetic devices and surgically modified skeletal elements. Automedica 1989;11:145-62.

Sinclair AM. Occupational therapy and the lower limb amputee in Western Australia. Br J Occup Ther 1991 Feb;54(2):69-71.

Siriwardena GJA, Bertrand PV. Factors influencing rehabilitation of arteriosclerotic lower limb amputees. J Rehabil Res Dev 1991 Summer;28(3): 35-44.

Skolimowski T, Ostrowska B. [Evaluation of results of the prosthesis using after an amputation within the lower limbs]. Postepy Rehabilitacji (Warsaw) 1990;4(3):13-9 (Pol).

Smith DG, Burgess EM, Zettl JH. Special considerations: fitting and training the bilateral lower-limb amputee. In: Bowker JH, Michael JW, eds. Atlas of limb prosthetics: surgical, prosthetic, and rehabilitation principles. St. Louis: Mosby Year Book; 1992. p. 599-622.

Soh AK, Soh CK, Lau WS. Method for the design and analysis of a non-linear anisotropic lower limb prosthetic socket. J Biomed Eng 1990 Nov;12(6): 470-6.

Sooriakumaran S, Landham TL. The Klippel-Trenaunay syndrome. J Bone Joint Surg [Br] 1991 Jan;73(1):169-70.

Stewart CP, Jain AS. Cause of death of lower limb amputees. Prosthet Orthot Int 1992 Aug;16(2): 129-32.

Stewart CP, Jain AS, Ogston SA. Lower limb amputee survival. Prosthet Orthot Int 1992 Apr; 16(1):11-8.

Van de Veen PG. An investigation of design criteria of modular endoskeletal lower limbprostheses [dissertation]. Enschede (Netherlands): Twente University of Technology; 1989.

Van GH, Benichou M, Chiesa G, Lefevre B, Menager D. [Care of amputations of the lower extremities]. Servir 1989 Jan-Feb;37(1):15-20. (Por).

Veth RP. IIB osteosarcoma. Current management, local control, and survival statistics--The Netherlands. Clin Orthop 1991 Sep;(270):67-71.

Williams RB, Porter D, Roberts VC, Regan JF. Triaxial force transducer for investigating stresses at the stump/socket interface. Med Biol Eng Comput 1992 Jan;30(1):89-96.

Wilson AB Jr. Limb prosthetics. 6th ed. New York: Demos; 1989. Prostheses for lower-limb amputees; p. 41-68.

Wolf E, Lilling M, Ferber I, Marcus J. Prosthetic rehabilitation of elderly bilateral amputees. Int J Rehabil Res 1989;12(3):271-8.

Zeman BD, Prakash AS, Adler R. Prosthetic legs revisited [letter]. Med J Aust 1990 Jan 1;152(1): 54-5.

-Knee & above-knee

Aeyels B, Peeraer L, Vander Sloten J, Van der Perre G. Development of an above-knee prosthesis equipped with a microcomputer-controlled knee joint: first test results. J Biomed Eng 1992 May; 14(3):199-202.

Angarami GR, Samaria CE. An efficient low cost prosthetic structural system. J Prosthet Orthot 1989 Jan;1(2):86-91.

Banziger E, Harding A. Aqua Flex: a pediatric all-plastic prosthetic knee system. J Assoc Child Prosthet Orthot Clin 1991 Fall;26(2):53-5.

Cullen C, Flowers W. A robust, accurate load cell for use in training above-knee amputees. J Biomech Eng 1990 Feb;112(1):103-5.

de Bari A, Krajbich JI, Langer F, Hamilton EL, Hubbard S. Modified Van Nes rotationplasty for osteosarcoma of the proximal tibia in children [see comments]. J Bone Joint Surg [Br] 1990 Nov; 72(6):1065-9.

Delepine G, Delepine N, Lewertowski JM. [Knee prostheses for tumors]. Rev Prat 1991 Jun 1; 41(16):1465-71. (Fre).

DiAngelo DJ, Winter DA, Ghista DN, Newcombe WR. Performance assessment of the Terry Fox jogging prosthesis for above-knee amputees. J Biomech 1989;22(6-7):543-58.

Dickstein R, Halevy E, Meir H, Bigon R. Use of the early walking aid as a geriatric prosthesis in the community. J Prosthet Orthot 1989 Jan;1(2):110-5.

Dietzen CJ, Harshberger J, Pidikiti RD. Suction sock suspension for above-knee prostheses. J Prosthet Orthot 1991 Winter;3(2):90-3.

Eakin CL, Quesada PM, Skinner H. Lower-limb proprioception in above-knee amputees. Clin Orthop 1992 Nov;(284):239-46.

Flandry F, Beskin J, Chambers RB, Perry J, Waters RL, Chavez R. The effect of the CAT-CAM above-knee prosthesis on functional rehabilitation . Clin Orthop 1989 Feb;(239):249-62.

Folsom D, King T, Rubin JR. Lower-extremity amputation with immediate postoperative prosthetic placement. Am J Surg 1992 Oct;164(4):320-2.

Foussereau J, Cavelier C, Protois JP, Deviller J. Contact dermatitis from methyl methacrylate in an above-knee prosthesis. Contact Dermatitis 1989 Jan;20(1):69-70.

Given JD. Development of a muttichannel time series based transfer function model of the emg-torque relationship for the control of an above-knee prosthesis [dissertation]. Philadelphia: Drexel University; 1990. 154 p.

Gottschalk F. CAT-CAM above-knee prostheses and the effect on functional rehabilitation [letter]. Clin Orthop 1990 Jun;(255):310-2.

Gregory E. Nursing practice management: Karen, aged 15 years, has an above-the-knee amputation. J Sch Nurs 1992 Feb;8(1):30, 32.

Guha SK, Chaudhry KK. A practical approach to multifunctional above knee prosthesis. Automedica 1989;11:233-45.

Hale SA. Analysis of the swing phase dynamics and muscular effort of the above-knee amputee for varying prosthetic shank loads. Prosthet Orthot Int 1990 Dec;14(3):125-35.

Hale SA. The effect of walking speed on the joint displacement patterns and forces and moments acting on the above-knee amputee prosthetic leg. J Prosthet Orthot 1991 Winter;3(2):59-78.

Hays RD, Leimkuehler JP, Miknevich MA, Troyer D. An alternative bent-knee prosthesis. Arch Phys Med Rehabil 1992 Nov;73(11):1118-21.

Hillstrom HJ. Robust intent recognition for the control of myoelectric lower limb prosthesis [dissertation]. Philadelphia: Drexel University; 1989. 137 p.

Houghton A, Allen A, Luff R, McColl I. Rehabilitation after lower limb amputation: a comparative study of above-knee, through-knee and Gritti-Stokes amputations. Br J Surg 1989 Jun; 76(6):622-4.

Jaegers SM, Vos LD, Rispens P, Hof AL. The relationship between comfortable and most metabolically efficient walking speed in persons with unilateral above-knee amputation. Arch Phys Med Rehabil 1993 May;74(5):521-5.

Kirby RL, Chari VR. Prostheses and the forward reach of sitting lower-limb amputees. Arch Phys Med Rehabil 1990 Feb;71(2):125-7.

Kolde G, Worheide J, Baumgartner R, Brocker EB. Kaposi-like acroangiodermatitis in an above-knee amputation stump. Br J Dermatol 1989 Apr;120(4): 575-80.

Krouskop TA, Malinauskas M, Williams J, Barry PA, Muilenburg AL, Winningham DJ. A computerized method for the design above-knee prosthetic sockets. J Prosthet Orthot 1989 Apr;1(3):131-8.

Kruger LM. Stubby prostheses in the rehabilitation of infants and small children with bilateral lower limb deficiencies. Rehabilitation (Stuttg) 1990 Feb; 29(1):12-5.

Lilja M, Johansson T, Oberg T. Movement of the tibial end in a PTB prosthesis socket: a sagittal X-ray study of the PTB prosthesis. Prosthet Orthot Int 1993 Apr;17(1):21-6.

Lin JH, Chou YL, Ju MS, Sung YT. [Application and evaluation of the VICON system in gait analysis]. Kao Hsiung I Hsueh Ko Hsueh Tsa Chih 1990 Jan; 6(1):6-11. (Chi).

Malinauskas M, Krouskop TA, Barry PA. Noninvasive measurement of the stiffness of tissue in the above-knee amputation limb. J Rehabil Res Dev 1989 Summer;26(3):45-52.

Masi J, Nelson T, Skewes E. Active ventilation of above- and below-knee prosthetic devices. In: Proceedings of the 16th Annual Northeast Bioengineering Conference; 1990 Mar 26-27; State College, PA. New York: IEEE; 1990. p. 25-6.

Michael JW. Current concepts in above-knee socket design. Instr Course Lect 1990;39:373-8.

Mitchell CA, Versluis TL. Management of an above knee amputee with complex medical problems using the CAT CAM prosthesis. Phys Ther 1990 Jun;70(6):389-93.

Mohan D, Sethi PK, Ravi R. Mathematical modelling and field trials of an inexpensive endoskeletal above-knee prosthesis. Prosthet Orthot Int 1992 Aug;16(2):118-23.

Parry M, Morrison JD. Use of the Femurett adjustable prosthesis in the assessment and walking training of new above-knee amputees. Prosthet Orthot Int 1989 Apr;13(1):36-8.

Patil KM, Chakraborty JK. Analysis of a new polycentric above-knee prosthesis with a pneumatic swing phase control. J Biomech 1991;24(3-4): 223-33.

Peeraer L, Aeyels B, Van der Perre G. Development of EMG-based mode and intent recognition algorithms for a computer-controlled above-knee prosthesis. J Biomed Eng 1990 May;12(3):178-82.

Peeraer L, Tilley K, Van der Perre G. A computer-controlled knee prosthesis: a preliminary report. J Med Eng Technol 1989 Jan-Apr;13(1-2):134-5.

Pelisse F, Marie F, Richard P. The use of a microprocessor for the partial assistance of a prosthesis for above knee amputees. J Microcomp Appl 1990 Apr;13(2):145-53.

Pohjolainen T. A clinical evaluation of stumps in lower limb amputees. Prosthet Orthot Int 1991 Dec;15(3):178-84.

Popovic D, Oguztoreli MN, Stein RB. Optimal control for the active above-knee prosthesis. Ann Biomed Eng 1991;19(2):131-50.

Popovic D, Tomovic R, Tepavac D. Heuristic control of locomotion. Publ Fac Electr Eng Univ Belgrade 1991;1:85-100.

Popovic D, Tomovic R, Tepavac D, Schwirtlich L. Control aspects of active above-knee prosthesis. Int J Man Mach Stud 1991 Dec;35(6):751-67.

Pritham CH. Biomechanics and shape of the above-knee socket considered in light of the ischial containment concept. Prosthet Orthot Int 1990 Apr; 14(1):9-21.

Ruskin AP, Rosner H, Saperstein H. Bent-knee prosthesis. Geriatrics 1970 Jul;25(7):109-14.

Staros A, Rubin G. Prescription considerations in modern above knee prosthetics. Phys Med Rehabil Clin North Am 1991 May;2(2):311-24.

Torres-Moreno R, Foort J, Morrison JB, Saunders CG. A reference shape library for computer aided socket design in above-knee prostheses. Prosthet Orthot Int 1989 Dec;13(3):130-9.

Torres-Moreno R, Morrison JB, Cooper D, Saunders CG, Foort J. A computer-aided socket design procedure for above-knee prostheses. J Rehabil Res Dev 1992 Summer;29(3):35-44.

Torres-Moreno R, Saunders CG, Foort J, Morrison JB. Computer-aided design and manufacture of an above-knee amputee socket. J Biomed Eng 1991 Jan;13(1):3-9.

Visser-Meily JMA, Cluitmans JJM, Deckers JHM, Rings F. Experiences of above-knee amputees with an NML-socket in comparison with Quadrilateral-socket. J Rehabil Sci 1992 Mar;5(1): 22-5.

Wang TK, Ju MS, Tsuei YG. Adaptative control of above knee electro-hydraulic prosthesis. J Biomech Eng 1992 Aug;114(3):421-4.

Webling DD, Fahrer M. Early bent knee prostheses: ancestors of K9. Br Med J (Clin Res Ed) 1986 Dec 20-27;293(6562):1636-7.

Yang L, Solomonidis SE, Spence WD, Paul JP. The influence of limb alignment on the gait of above-knee amputees. J Biomech 1991;24(11):981-97.

-Below-knee

Alaranta H, Kinnunen A, Karkkainen M, Pohjolainen T, Heliovaara M. Practical benefits of flex-foot in below-knee amputees. J Prosthet Orthot 1991 Summer;3(4):179-81.

Andres RO, Stimmel SK. Prosthetic alignment effects on gait symmetry: A case study. Clin Biomech 1990;5(2):88-96.

Angarami GR, Samaria CE. An efficient low cost prosthetic structural system. J Prosthet Orthot 1989 Jan;1(2):86-91.

Barr AE, Siegel KL, Danoff JV, McGarvey CL 3d, Tomasko A, Sable I, Stanhope SJ. Biomechanical comparison of the energy-storing capabilities of SACH and Carbon Copy II prosthetic feet during the stance phase of gait in a person with below-knee amputation. Phys Ther 1992 May;72(5):344-54.

Barth DG, Schumacher L, Sienko Thomas S. Gait analysis and energy cost of below-knee amputees wearing six different prosthetic feet. J Prosthet Orthot 1992 Winter;4(2):63-76.

Besser MP. An investigation of the stump-socket interface of the patellar-tendon bearing below-knee prosthesis [dissertation]. Philadelphia: Drexel University; 1991. 84 p.

Boone DA, Burgess EM. Automated fabrication of mobility aids: clinical demonstration of the ucl computer aided socket design system. J Prosthet Orthot 1989 Apr;1(3):187-90.

Bordelon RL. Orthotics, shoes, and braces. Orthop Clin North Am 1989 Oct;20(4):751-7.

Brant JE. Technical note: a device to assist in the alignment and finishing of the syme's prosthesis. J Prosthet Orthot 1991 Winter;3(2):100-5.

Brodzka WK, Thornhill HL, Zarapkar SE, Malloy JA, Weiss L. Long-term function of persons with atherosclerotic bilateral below-knee amputation living in the inner city. Arch Phys Med Rehabil 1990 Oct;71(11):895-900.

Brouwer BJ, Allard P, Labelle H. Running patterns of juveniles wearing SACH and single-axis foot components. Arch Phys Med Rehabil 1989 Feb; 70(2):128-34.

Bruckner L. A standardised trans-tibial amputation method following chronic occlusive arterial disease. Prosthet Orthot Int 1992 Dec;16(3):157-62.

Cappa AJ. The below-knee bypass prosthesis. J Prosthet Orthot 1992 Apr;4(3):166-70.

Casilla JM, Michel C, Aurelle B, Becker F, Marcer I, Schultz S, Didier JP. Transcutaneious oxygen pressure. An effective measure for prosthesis fitting on below-knee amputations. Am J Phys Med Rehabil 1993 Feb;72(1):29-32.

Casilla JM, Aurelle B, Coget P, Becker F, Marcer I, Didier JP. Transcutaneous oxygen tension. How to choose prosthetics for below knee amputation. Ann Readapt Med Phys 1990 Dec;33(6):553-61.

Chan KM, Tan ES. Use of lower limb prosthesis among elderly amputees. Ann Acad Med Singapore 1990 Nov;19(6):811-6.

Colborne GR, Naumann S, Longmuir PE, Berbrayer D. Analysis of mechanical and metabolic factors in the gait of congenital below knee amputees. A comparison of the SACH and Seattle feet. Am J Phys Med Rehabil 1992 Oct;71(5):272-8.

Condie DN, Stills ML. Partial-foot amputations: prosthetic and orthotic management. In: Bowker JH, Michael JW, eds. Atlas of limb prosthetics: surgical, prosthetic, and rehabilitation principles. St. Louis: Mosby Year Book; 1992. p. 277-91.

Corea JR, Sankaran-Kutty M. Lobster claw leg. J Bone Joint Surg [Br] 1989 Nov;71(5):861.

Crouse SF, Lessard CS, Rhodes J, Lowe RC. Oxygen consumption and cardiac response of short-leg and long-leg prosthetic ambulation in a patient with bilateral above-knee amputation: comparisons with able-bodied men. Arch Phys Med Rehabil 1990 Apr;71(5):313-7.

Czerniecki JM, Gitter A. Prosthetic feet [letter]. Arch Phys Med Rehabil 1989 Dec;70(13):918.

Czerniecki JM, Gitter A, Munro C. Joint moment and muscle power output characteristics of below knee amputees during running: the influence of energy storing prosthetic feet. J Biomech 1991;24(1): 63-75. Published erratum appears in J Biomech 1991;24(3-4):271-2.

Donn JM, Porter D, Roberts VC. The effect of footwear mass on the gait patterns of unilateral below-knee amputees. Prosthet Orthot Int 1989 Dec;13(3):140-4.

Durance JP, Warren WK, Kerbel DB, Stroud TW. Rehabilitation of below-knee amputees: factors influencing outcome and costs in three programmes. Int Disabil Stud 1989 Jul-Sep;11(3):127-32.

Edelstein JE. Current choices in prosthetic feet. Crit Rev Phys Rehabil Med 1991;2(4):213-26.

Ehara Y, Beppu M, Nomura S, Kunimi Y, Takahashi S. Energy storing property of so-called energy-storing prosthetic feet. Arch Phys Med Rehabil 1993 Jan;74(1):68-72.

Engsberg JR, et al. Comparison of effort between below-knee amputee and normal children. J Assoc Child Prosthet Orthot Clin 1991 Fall;26(2):46-52.

Engsberg JR, Aldridge KC, Harder JA. Lower limb intersegmental forces for below-knee amputee children during standing. Prosthet Orthot Int 1991 Dec;15(3):185-91.

Engsberg JR, Allinger TL. A function of the talocalcaneal joint during running support. Foot Ankle 1990 Oct;11(2):93-6.

Engsberg JR, Allinger TL, Harder JA. Standing pressure distribution for normal and below-knee amputee children. Prosthet Orthot Int 1989 Dec; 13(3):152-5.

Engsberg JR, Clynch GS, Lee AG, Allan JS, Harder JA. A CAD CAM method for custom below-knee sockets. Prosthet Orthot Int 1992 Dec;16(3):183-8.

Engsberg JR, Lee AG, Patterson JL, Harder JA. External loading comparisons between able-bodied and below-knee-amputee children during walking. Arch Phys Med Rehabil 1991 Aug;72(9):657-61.

Engsberg JR, Lee AG, Tedford KG, Harder Ja. Normative ground reaction force data for able-bodied and below-knee-amputee children during walking. J Pediatr Orthop 1993 Mar-Apr;13(2): 69-73.

Engsberg JR, MacIntosh BR, Harder JA. Comparison of effort between children with and without below-knee amputation. J Assoc Child Prosthet Orthot Clin 1990 Spring;25(1):15-22.

Ensberg JR, Springer M, Harder J. Quantifying interface pressures in below-knee-amputees. J Assoc Child Prosthet Orthot Clin 1992 Winter;27(3):81-8.

Engsberg JR, Tedford KG, Harder JA. Center of mass location and segment angular orientation of below-knee-amputee and able-bodied children during walking. Arch Phys Med Rehabil 1992 Dec;73(12):1163-8.

Engsberg JR, Tedford KG, Harder JA, Mills JP. Timing changes for stance, swing, and double support in a recent below knee amputee child. Pediatr Exerc Sci 1990 Aug;2(3):255-62.

Engsberg JR, Tedford KG, Springer MJN, Harder JA. Technical note: weight distribution of below-knee amputee and able-bodies children during standing. Prosthet Orthot Int 1992 Dec;16(3):200-2.

Esquenazi A, Torres MM. Prosthetic feet and ankle mechanisms. Phys Med Rehabil Clin North Am 1991 May;2(2):299-309.

Faulkner VW, Walsh NE. Computer designed prosthetic socket from analysis of computed tomography data. J Prosthet Orthot 1989 Apr;1(3): 154-64.

Fillauer CE, Pritham CH, Fillauer KD. Evolution and development of the silicone suction socket (3s) for below-knee prostheses. J Prosthet Orthot 1989 Jan; 1(2):99-103.

Folsom D, King T, Rubin JR. Lower-extremity amputation with immediate postoperative prosthetic placement. Am J Surg 1992 Oct;164(4):320-2.

Gitter A, Czerniecki JM, DeGroot DM. Biomechanical analysis of the influence of prosthetic feet on below-knee amputee walking. Am J Phys Med Rehabil 1991 Jun;70(3):142-8.

Glaser RM, Davis GM. Wheelchair dependent individuals. In: Franklin BA, et al., eds. Exercise in modern medicine. Baltimore: Williams and Wilkins; 1989. p. 237-67.

Haberman LJ. The garden state tri-wall expansion socket system (tess). J Prosthet Orthot 1989 Jul; 1(4):213-9.

Hart TJ. Below-knee child amputee gait: dynamics of an energy-storing prosthesis [dissertation]. Los Angeles: University of California, Los Angeles; 1991. 140 p.

Heimke G. Biomaterials highlights. V. Percutaneous amputation stump extensions. Adv Mater 1990 Apr;2(4):189-91.

The Henry Ford Hospital cosmetic foot prosthesis [videocassette]. Park Ridge (IL): American Academy of Orthopedic Surgeons; [1991]. 1 videocassette: 8 min., 18 sec., sound, color, 1/2 in.

Houston VL, Burgess EM, Childress DS, Lehneis HR, Mason CP, Garbarini MA, LaBlanc KP, Boone DA, Chan RB, Harlan JH, et al. Automated fabrication of mobility aids (AFMA): below-knee CASD/CAM testing and evaluation program results. J Rehabil Res Dev 1992 Fall;29(4):78-124.

Hurley GR, McKenney R, Robinson M, Zadravec M, Pierrynowski MR. The role of the contralateral limb in below-knee amputee gait. Prosthet Orthot Int 1990 Apr;14(1):33-42.

Isakov E, Mizrahi J, Ring H, Susak Z, Hakim N. Standing sway and weight-bearing distribution in people with below-knee amputations. Arch Phys Med Rehabil 1992 Feb;73(2):174-8.

Isakov E, Mizrahi J, Susak Z, Onna I. A Swedish knee-cage for stabilizing short below-knee stumps. Prosthet Orthot Int 1992 Aug;16(2):114-7.

Jacobs LG. The landmine foot: its description and management. Injury 1991 Nov;22(6):463-6.

Kabra SG. Articulated cadaveric bones as a structural endoskeleton in an ankle-foot prosthesis: a preliminary report. J Rehabil Res Dev 1990 Winter;27(1):43-52.

Kabra SG, Narayanan R. Ankle-foot prosthesis with articulated human bone endoskeleton: force-deflection and fatigue study. J Rehabil Res Dev 1991 Summer;28(3):13-22.

Kijkusol D. Simplified, low cost below-knee prosthesis. Prosthet Orthot Int 1986 Aug;10(2): 96-8.

Kirby RL, Chari VR. Prostheses and the forward reach of sitting lower-limb amputees. Arch Phys Med Rehabil 1990 Feb;71(2):125-7.

Kohler P, Lindh L, Netz P. Comparison of CAD-CAM and hand made sockets for PTB prostheses. Prosthet Orthot Int 1989 Apr;13(1):19-24.

Lancaster JL, Walsh N, Faulkner V. Basic theory, design, and preliminary evaluation of a laser scanner for shape sensing below-the-knee amputees. Med Phys 1990 Mar-Apr;17(2):305-10.

Lancaster JL, Walsh N, Faulkner V. Evaluation of a laser scanner for shape sensing btk amputees. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 155-6.

Lange LR. The Lange silicone partial foot prosthesis. J Prosthet Orthot 1991 Fall;4(1):56-62.

Levesque C, Gauthie-Gagnon C, Fillauer KD. An improved downhill skiing prosthesis. J Prosthet Orthot 1989 Jan;1(2):104-9.

Lilja M, Johansson T. Adherent cicatrix after below-knee amputation. J Prosthet Orthot 1993 Apr;5(2): 65-6.

Macfarlane PA, Nielson DH, Shurr DG, Meier K. Gait comparisons for below-knee amputees using a flex-foot versus a conventional prosthetic foot. J Prosthet Orthot 1991 Summer;3(4):150-61.

Macfarlane PA, Nielsen DH, Shurr DG, Meier K. Perception of walking difficulty by below-knee amputees using a conventional foot versus the flex-foot. J Prosthet Orthot 1991 Spring;3(3):114-9.

Masi J, Nelson T, Skewes E. Active ventilation of above- and below-knee prosthetic devices. In: Proceedings of the 16th Annual Northeast Bioengineering Conference; 1990 Mar 26-27; State College, PA. New York: IEEE; 1990. p. 25-6.

Mathews D, Burgess E, Boone D. The all-terrain foot. J Prosthet Orthot 1993 Jan;5(1):29-30.

Menard MR, McBride ME, Sanderson DJ, Murray DD. Comparative biomechanical analysis of energy-storing prosthetic feet. Arch Phys Med Rehabil 1992 May;73(5):451-8.

Menard MR, Murray DD. Subjective and objective analysis of an energy-storing prosthetic foot. J Prosthet Orthot 1989 Jul;1(4):220-30.

Merlette J. Springlite foot: a composite material engineer's approach to design. J Assoc Child Prosthet Orthot Clin 1989 Winter;24(4):86- .

Michael JW. New developments in prosthetic feet for sports and recreation. Palaestra 1989 Winter;5(2): 21-2, 32, 34-5.

Michael JW. Overview of prosthetic feet. Instr Course Lect 1990;39:367-72.

Michael JW. Re: Below-knee amputee gait with dynamic elastic response prosthetic feet: a pilot study [letter]. J Rehabil Res Dev 1992 Winter; 29(1):x.

Michael JW, Perry CD, Whitfield ML, Ferment RP. Technical note: simplified alignment of articulations to positive models. J Prosthet Orthot 1993 Jan; 5(1):31-3.

Mizuno N, Aoyama T, Nakajima A, Kasahara T, Takami T. Functional evaluation by gait analysis of various ankle-foot assemblies used by below-knee amputees. Prosthet Orthot Int 1992 Dec;16(3):174-82.

Oberg K, Kofman J, Karisson A, Lindstrom B, Sigblad G. The capod system - a scandinavian cad/cam system for prosthetic sockets. J Prosthet Orthot 1989 Apr;1(3):139-48.

Ozyalcin H, Sesli E. Temporary prosthetic fitting for below-knee amputation. Prosthet Orthot Int 1989 Aug;13(2):86-9.

Padula PA, Friedmann LW. Amputee gait. Phys Med Rehabil Clin North Am 1991 May;2(2):423-32.

Perry J, Auuappa E, Torburn L. Elastic response feet [letter]. J Rehabil Res Dev 1992 Spring;29(2):137.

Pinzur MS, Asselmeier M, Smith D. Dynamic electromyography in active and limited walking below-knee amputees. Orthopedics 1991 May; 14(5):535-7; discussion 537-8.

Pinzur MS, Littooy F, Osterman H, Schwartz D. A safe, pre-fabricated, immediate postoperative prosthetic limb system for rehabilitation of below-knee amputations. Orthopedics 1989 Oct;12(10): 1343-5.

Pinzur MS, Perona P, Patwardhan A, Havey R. Loading of the contralateral foot in peripheral vascular insufficiency below-knee amputees. Foot Ankle 1991 Jun;11(6):368-71.

Pohjolainen T, Alaranta H. Predictive factors of functional ability after lower-limb amputation. Ann Chir Gynaecol 1991;80(1):36-9.

Prince F, Allard P, Therrien RG, McFadyen BJ. Running gait impulse asymmetries in below-knee amputees. Prosthet Orthot Int 1992 Apr;16(1): 19-24.

Purry NA, Hannon MA. How successful is below-knee amputation for injury? Injury 1989 Jan;20(1): 32-6.

Quesada P, Skinner HB. Analysis of a below-knee patellar tendon-bearing prosthesis: a finite element study. J Rehabil Res Dev 1991 Summer;28(3): 1-12.

Ranu HS, Kim Y, Spelman FA. A quantitative method of measuring the distribution of forces under the different regions of the human foot: during normal and abnormal gait. In: Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 11th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1989 Nov 9-12; Seattle, WA. Vol. 3. Piscataway (NJ): IEEE; 1989. p. 824-5.

Report on the Evaluation of the VA/SEATTLE Ankle. The Rehabilitation R&D Evaluation Unit, Rehabilitation Research and Development Service, Department of Veterans Affairs. J Rehabil Res Dev 1991 Spring;28(2):79-90.

Reynolds DP, Lord M. Interface load analysis for computer-aided design of below-knee prosthetic sockets. Med Biol Eng Comput 1992 Jul;30(4): 419-26.

Riechmann ME, Pappas M, Findley T, Jain S, Hodgins J, Fox MD, Epstein MAF, Davis RB, Alward TM. Computer-aided design and computer-aided manufacturing of below-knee prosthetics. In: Proceedings of the 17th Annual Northeast Bioengineering Conference; 1991 Apr 4-5; Hartford, CT. New York: IEEE; 1991. p.154-5.

Rine RR, Ward J, Lindeblad S, Blaker K, Higbie-Smith T, Verdin A, Gropper M. Comparison of the effects of ankle-foot orthoses on gait and standing posture in children with lower extremity spasticity. In: Woollacott M, Horak F, eds. Posture and gait: control mechanisms, 1992. Proceedings of the 11th International Symposium of the Society for Postural and Gait Research; 1992; Portland, OR. Vol. 2. Portland (OR): University of Oregon; 1992. p. 415-8.

Ruder GK. CAD CAM trans-tibial temporary prosthesis: analysis and comparison with an established technique. Prosthet Orthot Int 1992 Dec;16(3):185-95.

Saadah ES. Swimming devices for below-knee amputees. Prosthet Orthot Int 1992 Aug;16(2): 140-1.

Saadah ESM. Rehabilitation of a below-knee amputee with a diving limb. Clin Rehabil 1989 Aug;3(3): 249-51.

Sanders JE. Ambulation with a prosthetic limb: mechanical stresses in amputated limMB tissues [dissertation]. Seattle (WA): University of Washington; 1991. 358 p.

Sanders JE, Daly CH, Burgess EM. Interface shear stresses during ambulation with a below-knee prosthetic limb. J Rehabil Res Dev 1992 Fall; 29(4):1-8.

Silver-Thorn MB. Prediction and experimental verification of residual limb/prosthetic socket interface pressures for below-knee amputees [dissertation]. Evanston (IL): Northwestern University; 1991. 424 p.

Smith AW. A biomechanical analysis of amputee athlete gait. Int J Sport Biomech 1990 Aug;6(3): 262-82.

Snyder AJ, Robbins JM. Lower extremity amputations: basis and outcome, a review of the literature. J Foot Ankle Surg 1993 Jan-Feb;32(1):60-8.

Swanson VM. Below-knee polyethylene semi-rigid dressing. J Prosthet Orthot 1993 Jan;5(1):10-5.

Thurston AJ, Rastorfer J, Burian H, Beasley AW. The Flek-shin: a composite material for use in flexible shank below-knee prostheses. Prosthet Orthot Int 1989 Aug;13(2):97-9.

Topper AK, Fernie GR. An evaluation of computer aided design of below-knee prosthetic sockets. Prosthet Orthot Int 1990 Dec;14(3):136-42.

Trost FJ. Energy-storing feet. J Assoc Child Prosthet Orthot Clin 1989 Winter;24(4):82-5.

van Jaarsveld HW, Grootenboer HJ, De Vries J. Accelerations due to impact at heel strike using below-knee prosthesis. Prosthet Orthot Int 1990 Aug;14(2):63-6.

van Jaarsveld HW, Grootenboer HJ, de Vries J, Koopman HF. Stiffness and hysteresis properties of some prosthetic feet. Prosthet Orthot Int 1990 Dec;14(3):117-24.

van Leeuwen JL, Speth LA, Daanen HA. Shock absorption of below-knee prostheses: a comparison between the SACH and the Multiflex foot. J Biomech 1990;23(5):441-6.

Weber D. Use of the Hinged AFO for children with spastic cerebral palsy and midfoot instability.

J Assoc Child Prosthet Orthot Clin 1991 Spring-1990 Winter;25(3-4):61-5.

Winarski DJ, Pearson JR. First-order model for the analysis of stump stresses for below-knee amputees. J Biomech Eng 1990 Nov;112(4):475-8.

Wing DC, Hittenberger DA. Energy-storing prosthetic feet [see comments]. Arch Phys Med Rehabil 1989 Apr;70(4):330-5.

Wirta RW, Golbranson FL, Mason R, Calvo K. Analysis of below-knee suspension systems: effect on gait. J Rehabil Res Dev 1990 Fall;27(4): 385-96.

Wirta RW, Mason R, Calvo K, Golbranson FL. Effect on gait using various prosthetic ankle-foot devices. J Rehabil Res Dev 1991 Spring;28(2):13-24.

Wu UC, Press J. Prosthetics and rehabilitation in the diabetic amputee. In: Sammarco GJ, ed. The foot in diabetes. Malvern (PA): Lea & Febiger: 1991. p. 194-206.

MYOELECTRIC DEVICES

Abul-Haj CJ, Hogan N. Functional assessment of control systems for cybernetic elbow prostheses--Part I: Description of the technique. IEEE Trans Biomed Eng 1990 Nov;37(11):1025-36.

Abul-Haj CJ, Hogan N. Functional assessment of control systems for cybernetic elbow prostheses--Part II: Application of the technique. IEEE Trans Biomed Eng 1990 Nov;37(11):1037-47.

Akazawa, K. Neuromuscular control system and hardware models. Adv Robot 1991;5(1):75-85.

Akazawa K, Hayashi Y. [Estimation of neuromuscular control system dynamics for development of myoelectric hand prosthesis]. Trans Inst Electron Inf Commun Eng D-II 1990 Feb;J73D-II(2): 257-65. (Jpn).

Atkins DJ, Meier RH, eds. Comprehensive management of the upper-limb amputee. New York: Springer-Verlag; 1989. 260 p.

Ballance R, Wilson BN, Harder JA. Factors affecting myoelectric prosthetic use and wearing patterns in the juvenile unilateral below elbow amputee. Can J Occup Ther 1989 Jun;56(3):132-7.

Banziger E. Protective mittens for myoelectric hands. J Assoc Child Prosthet Orthot Clin 1991 Spring-1990 Winter;25(3-4):71-2.

Bergman K, Ornholmer L, Zackrisson K, Thyberg M. Functional benefit of an adaptive myoelectric prosthetic hand compared to a conventional myoelectric hand. Prosthet Orthot Int 1992 Apr; 16(1):32-7.

Berke GM, Nielsen CC. Establishing parameters affecting the use of myoelectric prostheses in children: a preliminary investigation. J Prosthet Orthot 1991 Summer;3(4):162-7.

Brenner CD. Electronic limbs for infants and pre-school children. J Prosthet Orthot 1992 Jul;4(4): 184-90.

Castiello U, Stehlmach GE. Generalized representation of handwriting: evidence of effector independence. Acta Psychol (Amst) 1993 Mar;82(1-3):53-68.

Chappell PH, Kyberd PJ. Prehensile control of a hand prosthesis by a microcontroller. J Biomed Eng 1991 Sep;13(5):363-9.

Daley TL, Scott RN, Parker PA, Lovely DF. Operator performance in myoelectric control of a multifunction prosthesis stimulator. J Rehabil Res Dev 1990 Winter;27(1):9-20.

Dalsey R, Gomez W, Seitz WH Jr, Dick HM, Hutnick G, Akdeniz R. Myoelectric prosthetic replacement in the upper-extremity amputee. Orthop Rev 1989 Jun;18(6):697-702.

Datta D, Brain ND. Clinical applications of myoelectricall-controlled prostheses. Crit Rev Phys Rehabil Med 1992;4(3-4):215-39.

Datta D, Kingston J, Ronald J. Myoelectric prostheses for below-elbow amputees: the Trent experience. Int Disabil Stud 1989 Oct-Dec;11(4):167-70.

Derhaag MMC, Schoorl PM, Derhaag PJF. Personality development in one handed children treated with a myoelectrically controlled prosthesis. J Rehabil 1990 Jul-Sep;56(3):25-9.

Edelstein JE, Berger N. Performance comparison among children fitted with myoelectric and body-powered hands. Arch Phys Med Rehabil 1993 Apr; 74(4):376-80.

Gard SA, Childress DS, Heckathorne CW. Micropower, strain-gauge sampling circuit for prosthetic limb applications. Med Biol Eng Comput 1992 Mar;30(2):243-7.

Hambrey RA, Withinshaw G. Electrically powered upper limb prostheses: their development and application. Br J Occup Ther 1990 Jan;53(1):7-11.

Hermansson LM. Structured training of children fitted with myoelectric prostheses. Prosthet Orthot Int 1991 Aug;15(2):88-92.

Hubbard S. The Toronto experience with pediatric myoelectric training. In: Meier RH 3d, Atkins DJ, eds. Comprehensive management of the upper-limb amputee. New York: Springer-Verlag; 1989. p. 190-3.

Hubbard S, Bush G, Kurtz I, Naumann S. Myolectric prostheses for the limb deficient child. Phys Med Rehabil Clin North Am 1991 Nov;2(4):847-66.

Hudgins BS. A new approach to multifunctional myoelectric control [dissertation]. Fredericton (Canada): University of New Brunswick; 1991.

Ito K, Nagaoka H, Tsuji T, Kato A, Ito M. [An EMG controlled prosthetic forearm with three degrees of freedom using ultrasonic motors]. Trans Soc Instr Control Eng 1991;27(11):1281-9 (Jpn).

Ito K, Tsuji T, Kato A, Ito M. Limb-function discrimination using EMG signals by neural network and application to prosthetic forearm control. In: 1991 IEEE International Joint Conference Neural Network; 1991 Nov 18-21; Singapore. Vol. 2. New York: IEEE; 1991. p. 1214-9.

Kelly MF, Parker PA, Scott RN. The application of neural networks to myoelectric signal analysis: a preliminary study. IEEE Trans Biomed Eng 1990 Mar;37(3):221-30.

Kermani MZ, Badie K, Kim Y, Spelman FA. An intelligent strategy for motion interpretation in an EMG-controlled prosthesis. In: Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 11th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1989 Nov 9-12; Seattle, WA. Vol. 5. Piscataway (NJ): IEEE; 1989. p. 1682-3.

Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 11th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1989 Nov 9-12; Seattle, WA. Piscataway (NJ): IEEE; 1989. 6 vols. 2087 p.

Kishinchandani RS. Quantitative assessment of above-elbow prosthetic control [masters thesis]. Boston: Massachusetts General Hospital Institute of Health Professions; 1991. 121 p.

Kitzenmaier P, Boenick U. [Possibilities of myoelectric control of artificial limb prostheses]. Biomed Tech (Berlin) 1992 Jul-Aug;37(7-8):170-80. (Ger).

Knox E. Slip detection and automatic grasping for and externally powered prehensor [master's thesis]. Chicago: Northwestern University; 1990.

Kruger LM, Fishman S. Myoelectric and body-powered prostheses. J Pediatr Orthop 1993 Jan-Feb;13(1):68-75.

Kyberd PJ, Mustapha N, Carnegie F, Chappell PH. A clinical experience with a hierarchally controlled myoelectric hand prosthesis with vibro-tactile feedback. Prosthet Orthot Int 1993 Apr;17(1): 56-64.

Leingang AF. Myoelectrics for infants: sine qua non? J Prosthet Orthot 1992 Jul;4(4):181-3.

Lester EL. New developments in prosthetics for children. Audio Dig Orthop [audiocassette] 1990 Nov;13(11):Sides A & B [presentation 3, 18 min.]. Accompanied by: 1 guide.

Louison K. Evaluation of the improved algorithm for optimizing level coded myoelectric systems [masters thesis]. Fredericton (Canada): University of New Brunswick; 1990. 118 p.

Lovely DF, Stocke D, Scott RN. A computer-aided myoelectric training system for young upper limb amputees. J Microcomp Appl 1990 Jul;13(3): 245-59.

Luo YZ. Muscular exercises for myoelectric control of artificial limbs. In: Kaneko M, ed. Fitness for the aged, disabled, and industrial worker. Champaign (IL): Human Kinetics Publishers; 1990. p. 154-9.

Malezic M, Bogataj U, Gros N, Decman I, Vrtacnik P, Kljajic M, Acimovic-Janezic R. Application of a programmable dual-channel adaptive electrical stimulation system for the control and analysis of gait. J Rehabil Res Dev 1992 Fall;29(4):41-53.

Mandel AR, Nymark JR, Balmer SJ, Grinnell DM, O'Riain MD. Electromyographic versus rhythmic positional biofeedback in computerized gait retraining with stroke patients. Arch Phys Med Rehabil 1990 Aug;71(9):649-54.

Manneschi V, Palmerio B, Pauluzzi P, Patrone P. Contact dermatitis from myoelectric prostheses. Contact Dermatitis 1989 Aug;21(2):116-7.

Marquardt E. The Heidelberg experience. In: Meier RH 3d, Atkins DJ, eds. Comprehensive management of the upper-limb amputee. New York: Springer-Verlag; 1989. p. 240-52.

Martins FL, Martins LS, Davin P. [A myoelectric prosthesis for the forearm amputee]. Acta Med Port 1989 Nov-Dec;2(6):297-301. (Por).

Meek SG, Fetherston SJ. Comparison of signal-to-noise ratio of myoelectric filters for prosthesis control. J Rehabil Res Dev 1992 Fall;29(4):9-20.

Meek SG, Wood JE, Jacobsen SC. Model based, multi muscle EMG control of upper extremity prostheses. In: Winters JM, Woo SL, eds. Multiple muscle systems: biomechanics and movement organization. New York: Springer-Verlag; 1990. p. 360-76.

Meghdari A, Arefi M, Mahmoudian M, Hamza MH. Biomechanical aspects of the Sharif artificial hand. In: Hamza MH, ed. Computers and Advanced Technology in Medicine, Healthcare and Bioengineering: proceedings of the IASTED International Symposium; 1990 Aug 15-17; Hawaii. Anaheim (CA): ACTA Press; 1990. p. 32-6.

Merletti R, Knaflitz M, DeLuca CJ. Electrically evoked myoelectric signals. Crit Rev Biomed Eng 1992;19(4):293-340.

Nader M. The artificial substitution of missing hands with myoelectrical prostheses. Clin Orthop 1990 Sep;(258):9-17.

NERAC, Inc. (Tolland, CT). Multifunctional artificial limbs. January 1976 - November 1985. A bibliography from INSPEC: Information Services for the Physics and Engineering Communities Database. Springfield (VA): NTIS; 1990 May. 182 p. 229 citations. PB90868613XSP.

NERAC, Inc. (Tolland, CT). Multifunctional artificial limbs (latest citations from the INSPEC: Information Services for the Physics and Engineering Communities Database. December 1985 - April 1992) [bibliography]. Springfield (VA): NTIS; 1992 Jun. 188 citations. PB92855428XSP.

NERAC, Inc. (Tolland, CT). Myoelectric prostheses: function, control, and electronic training aids (latest citations from the INSPEC: Information Services for the Physics and Engineering Communities Database) [bibliography]. Springfield (VA): NTIS; 1992 Nov. 60 citations minimum. PB93854602XSP. (Supercedes PB89859367XSP).

Nishikawa K, Kuribayashi K. Neural network application to a discrimination system for EMG-controlled prostheses. In: Intelligence for Mechanical Systems: proceedings IROS '91: International Workshop on Intelligent Robots and Systems '91. Intelligence for Mechanical Systems; 1991 Nov 3-5; Osaka, Japan. Vol. 1. New York: IEEE; 1991. p. 231-6.

Patterson D, et al. Acceptance rate of myoelectric prosthesis. J Assoc Child Prosthet Orthot Clin 1991 Spring-1990 Winter;25(3-4):73-5.

Patterson PE, Katz JA. Design and evaluation of a sensory feedback system that provides grasping pressure in a myoelectric hand. J Rehabil Res Dev 1992 Winter;29(1):1-8.

Patton JG. Upper-limb prosthetic components for children and teenagers. In: Meier RH 3d, Atkins DJ, eds. Comprehensive management of the upper-limb amputee. New York: Springer-Verlag; 1989. p. 99-120.

Phillippe-Auguste JS, Gibbons DT. Simulation and modelling of a microcomputer controlled above-elbow prosthesis. Automedica 1989;11(1-3): 99-109.

Plettenburg DH. Electric versus pneumatic power in hand prostheses for children. J Med Eng Technol 1989 Jan-Apr;13(1-2):124-8.

Popovic DJ, ed. Advances in external control of human extremities. Belgrade: Nauka; 1990. 616 p.

Prout W. The New York electric elbow. The New York prehension actuator, and the NU-VA synergetic prehensor. In: Meier RH 3d, Atkins DJ, eds. Comprehensive management of the upper-limb amputee. New York: Springer-Verlag; 1989. p. 221-6.

Putzi R. Myoelectric partial-hand prosthesis. J Prosthet Orthot 1992 Winter;4(2):103-8.

Repperger DE, Frazier JW, Goodyear C. Control strategies with application to limb prostheses. Automedica 1989;11:123-43.

Rydell N. [The myoelectric hand]. Lakartidningen 1980 Feb 27;77(9):758. (Swe).

Sauter WF. The use of electric elbows in the rehabilitation of children with upper limb deficiencies. Prosthet Orthot Int 1991 Aug; 15(2):93-5.

Sauter WF, Bush G, Sommerville J. A single case study: myoelectrically controlled exoskeletal mobilizer for amyotrophic lateral sclerosis (ALS) patients. Prosthet Orthot Int 1989 Dec;13(3):145-8.

Scott RN. Biomedical engineering in upper-limb prosthetics. In: Meier RH 3d, Atkins DJ, eds. Comprehensive management of the upper-limb amputee. New York: Springer-Verlag; 1989. p. 173-89.

Scott RN. Feedback in myoelectric prostheses. Clin Orthop 1990 Jul;(256):58-63.

Scott RN. Myoelectric control systems research at the Bio-Engineering Institute, University of New Brunswick. Med Prog Technol 1990 May;16(1-2): 5-10.

Scott RN, Parker PA, O'Neill PA, Morin EL. Criteria for setting switching levels in myoelectric prostheses. J Assoc Child Prosthet Orthot Clin 1990 Spring;25(1):11-4.

Sears HH. Approaches to prescription of body powered and myoelectric prostheses. Phys Med Rehabil Clin North Am 1991 May;2(2):361-71.

Sears HH, Andrew JT, Jacobsen SC. Experience with the Utah arm, hand and terminal device. In: Meier RH 3d, Atkins DJ, eds. Comprehensive management of the upper-limb amputee. New York: Springer-Verlag; 1989. p. 194-210.

Sears HH, Shaperman J. Proportional myoelectric hand control: an evaluation. Am J Phys Med Rehabil 1991 Feb;70(1):20-8.

Slack M, Berbrayer D. A myoelectrically controlled wrist-hand orthosis for brachia plexus injury: a case study. J Prosthet Orthot 1992 Apr;4(3):171-4.

Spiegel SR. Adult myoelectric upper-limb prosthetic training. In: Meier RH 3d, Atkins DJ, eds. Comprehensive management of the upper-limb amputee. New York: Springer-Verlag; 1989. p. 60-71.

Stein RB, Capaday C. [Improvement of prostheses and orthotic aids for the handicapped using electric stimulation and the registration of bioelectric signals]. Union Med Can 1990 May-Jun;119(3): 102-8. (Fre).

Triolo RJ, Moskowitz GD. The experimental demonstration of a multichannel time-series myoprocessor: system testing and evaluation. IEEE Trans Biomed Eng 1989 Oct;36(10):1018-27.

Triolo RJ, Moskowitz GD. The theoretical development of a multichannel time-series myoprocessor for simultaneous limb function detection and muscle force estimation. IEEE Trans Biomed Eng 1989 Oct;36(10):1004-17.

Trost FJ, Rowe D. Upper-limb deficiencies: externally powered prosthese. In: Bowker JH, Michael JW, eds. Atlas of limb prosthetics: surgical, prosthetic, and rehabilitation principles. St. Louis: Mosby Year Book; 1992. p. 767-78.

Williams TW 3d. One-muscle infant's myoelectric control. J Assoc Child Prosthet Orthot Clin 1989 Summer-Autumn;24(2-3):53-5.

Williams TW 3d. Use of the Boston elbow for high-level amputees. In: Meier RH 3d, Atkins DJ, eds. Comprehensive management of the upper-limb amputee. New York: Springer-Verlag; 1989. p. 211-20.

Zardoshti KM, Badie K, Gardin F, Mauri G, Filippini M. An intelligent strategy for motion interpretation in an EMG-controlled prosthesis: an application of AI to biomedical engineering. In: Computational Intelligence '89. Proceedings of the 2nd International Symposium; 1989 Sep 25-27; Milan, Italy. Amsterdam: North Holland; 1990. p. 197-203.

Zarii KM, Motamedy A, Hashemi RM, Zajc B, Solina F. An approach to redundancy cancelling in order to use a single chip processor for IAV evaluation in cybernetic arm. In: 6th Mediterranean Electrotechnical Conference Proceedings; 1991 May 22-24; Ljublijana, Slovenia. Vol. 1. New York: IEEE; 1991. p. 744-7.

Zhang YT. Anaylsis of the myoelectric communication channel [dissertation]. Fredericton (NB): University of New Brunswick; 1990.

Zhang YT, Parker PA, Scott RN. Control performance characteristics of myoelectric signal with additive interference. Med Biol Eng Comput 1991 Jan;29(1):84-8.

Zhang YT, Parker PA, Scott RN. Study of the effects of motor unit recruitment and firing statistics on the signal-to-noise ratio of a myoelectric control channel. Med Biol Eng Comput 1990 May;28(3): 225-31.

NEUROPROSTHETIC DEVICES

Agnew WF, McCreery DB, eds. Neural prostheses: fundamental studies. Englewood Cliffs (NJ): Prentice Hall; 1990. 322 p.

Baskin LS, Schmidt RA. Bladder rehabilitation with dorsal rhizotomy and ventral neuroprosthesis. Paraplegia 1992 Nov;30(11):783-7.

Chaffey NJ, Donaldson PEK. Controlling radio frequency interference from neurological prostheses. J Med Eng Technol 1991;15(2):78-83.

Chizeck HJ, Lan N, Palmieri LS, Crago PE. Feedback control of electrically stimulated muscle using simultaneous pulse width and stimulus period modulation. IEEE Trans Biomed Eng 1991 Dec; 38(12):1224-34.

Crago PE, Lemay M, Kim Y, Spelman FA. Active regulation of grasp stiffness in neuroprosthesis for restoration of hand function in quadriplegics. In: Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 11th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1989 Nov 9-12; Seattle, WA. Vol. 3. Piscataway (NJ): IEEE; 1989. p. 902-3.

Donaldson PE. Aspects of silicone rubber as an encapsulant for neurological prostheses. Part 1. Osmosis. Med Biol Eng Comput 1991 Jan;29(1): 34-9.

Elsley RK. Adaptive control of prosthetic limbs using neural networks. In: Caudill M, ed. IJCNN International Joint Conference on Neural Networks; 1990 Jan 15-19; Washington, DC. Vol. 2. Hillsdale (NJ): Lawrence Erlbaum Associates; 1990. p. 771-6.

Gruner JA, Mason CP. Nonlinear muscle recruitment during intramuscular and nerve stimulation. J Rehabil Res Dev 1989 Spring;26(2):1-16.

Hambrecht FT. Functional electrical stimulation: an overview. PACE Pacing Clin Electrophysiol 1989 May;12(5):840-3.

Handa Y, Ohkubo K, Hoshimiya N. A portable multi-channel FES system for restoration of motor function of the paralyzed extremities. Automedica 1989;11:221-31.

Hatwell MS, Oderkerk BJ, Sacher CA, Inbar GF. The development of a model reference adaptive controller to control the knee joint of paraplegics. Ieee Trans Automat Control.1991 Jun;36(6):683-91

Hines AE, Crago PE, Kim Y, Spelman FA. Assessment of neuroprosthetic hand grasp by combined force and position tracking. In: Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 11th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1989 Nov 9-12; Seattle, WA. Vol. 5. Piscataway (NJ): IEEE; 1989. p. 1481-2.

Hines AE, Owens NE, Crago PE. Assessment of input-output properties and control of neuroprosthetic hand grasp. IEEE Trans Biomed Eng 1992 Jun;39(6):61-23.

Hiraiwa A, Shimohara K, Tokunaga Y. EMG pattern analysis and classification by neural network. In: 1989 IEEE International Conference on Systems, Man and Cybernetics. Conference Proceedings; 1989 Nov 14-17; Cambridge, MA. Vol. 3. New York: IEEE; 1989. p. 1113-5.

Hoshimiya N, Handa Y. A master-slave type multi-channel functional electrical stimulation (FES) system for the control of the parlyzed extremities. Automedica 1989;11:209-20.

Ito K, Tsuji T, Kato A, Ito M. Limb-function discrimination using EMG signals by neural network and application to prosthetic forearm control. In: 1991 IEEE International Joint Conference Neural Network; 1991 Nov 18-21; Singapore. Vol. 2. New York: IEEE; 1991. p. 1214-9.

Keith MW, Peckham PH, Thrope GB, Buckett JR, Stroh KC, Menger V. Functional neuromuscular stimulation neuroprostheses for the tetraplegic hand. Clin Orthop 1988 Aug;(233):25-33.

Keith MW, Peckham PH, Thrope GB, Stroh KC, Smith B, Buckett JR, Kilgore KL, Jatich JW. Implantable functional neuromuscular stimulation in the tetraplegic hand. J Hand Surg [Am] 1989 May; 14(3):524-30.

Kelly MF, Parker PA, Scott RN. The application of neural networks to myoelectric signal analysis: a preliminary study. IEEE Trans Biomed Eng 1990 Mar;37(3):221-30.

Kilgore KL. Optimization and automation of stimulus mpa synthesis for upper extremity fns [dissertation]. Cleveland: Case Western Reserve University; 1991. 198 p.

Letechipia JE, Peckham PH, Gazdik M, Smith B. In-line lead connector for use with implanted neuroprosthesis. IEEE Trans Biomed Eng 1991 Jul;38(7):707-9.

Nishikawa K, Kuribayashi K. Neural network application to a discrimination system for EMG-controlled prostheses. In: Intelligence for Mechanical Systems. Proceedings IROS '91: IEEE/RSJ International Workshop on Intelligent Robots and Systems '91; 1991 Nov 3-5; Osaka, Japan. Vol. 1. New York: IEEE; 1991. p. 231-6.

Nose Y. Neuroprostheses, lessons to be learned [editorial]. Artif Organs 1989 Jun;13(3):181-2.

Paul JP, Barbenel JC, Courtney JM, Kenedi RM, eds. Progress in Bioengineering: Strathclyde bioengineering seminars: proceedings of an International Seminar held on the Occasion of the 25th Anniversary of the Strathclyde Bioengineering Unit; 1988 Sep; Glasgow, Scotland. Bristol (UK): A. Hilger; 1989. 299 p.

Peckham PH, Creasey GH. Neural prostheses: clinical applications of functional electrical stimulation in spinal cord injury. Paraplegia 1992 Feb;30(2): 96-101.

Phillips CA. An interactive system of electronic stimulators and gait orthosis for walking in the spinal cord injured. Automedica 1989;11:247-61.

Popovic D, Tomovic R, Schwirtlich L. Hybrid assistive system--the motor neuroprosthesis. IEEE Trans Biomed Eng 1989 Jul;36(7):729-37.

Riso RR, Ignagni AR, Keith MW. Cognitive feedback for use with FES upper extremity neuroprostheses. IEEE Trans Biomed Eng 1991 Jan;38(1):29-38.

Schmidt RA, Kogan BA, Tanagho EA. Neuroprostheses in the management of incontinence in myelomeningocele patients. J Urol 1990 Apr; 143(4):779-82.

Siegel SW. Management of voiding dysfunction with an implantable neuroprosthesis. Urol Clin North Am 1992 Feb;19(1):163-70.

Simpson PK. Artificial neural systems: foundations, paradigms, applications, and implementations. New York: Pergamon Press; 1990. 209 p.

Smith BT, Mulcahey MJ, Triolo RJ, Betz RR. The application of a modified neuroprosthetic hand system in a child with a C7 spinal cord injury. Case report. Paraplegia 1992 Aug;30(8):598-606.

Stansfield SA (Sandia National Labs., Albuquerque, NM). Connectionist and neural net implementations of a robotic grasp generator. Washington (DC): U.S. Department of Energy; 1992 Jan 6. Report No.: SAND911746C, CONF9204711. Contract No.: AC0476DP00789. 15 p. Available from: NTIS, Springfield, VA.; DE92006832XSP. Paper presented at: International Society for Optical Engineering (SPIE) conference; 1992 Apr 20; Orlando, FL.

Stein RB, Peckham PH, Popovic DB, eds. Neural prostheses: replacing motor function after disease or disability. New York: Oxford University Press; 1992. 345 p.

Terry R, Tarver WB, Zabara J. An implantable neurocybernetic prosthesis system. Epilepsia 1990; 31 Suppl 2:S33-7.

Thrope G, Stroh K, Baco A (Case Western Reserve University, Veterans Administration Medical Center). Standardized object test for quantitative assessment of hand grasp function using the C.W.R.U. upper extremity neuroprosthesis. In: Technology for the next decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 181-2.

Troyk PR, Schwan MA. Class E driver for transcutaneous power and data link for implanted electronic devices. Med Biol Eng Comput 1992 Jan;30(1):69-75.

Tupper CN, Gerhard GC, Buus S. Improved prosthesis control via high resolution electro-tactile feedback. In: Proceedings of the 15th Annual Northeast Bioengineering Conference; 1989 Mar 27-29; Boston, MA. New York: IEEE; 1989. p. 39-40;

Tupper CN, Gerhard GC, Kim Y, Spelman FA. Dynamic tracking delays using high resolution electro-tactile feedback. In: Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 11th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1989 Nov 9-12; Seattle, WA. Vol. 5. Piscataway (NJ): IEEE; 1989. p. 1514-5.

Veltink PH, Rijkhoff NJM, Rutten WLC, Kaynak O. Neural networks for reconstructing muscle activation from external sensor signals during human walking. In: Intelligent motion control. Proceedings of the IEEE International Workshop; 1990; Twente University, Enschede, Netherlands. Vol. 2. New York: IEEE; 1990. p. 469-73.

Wijman CA, Stroh KC, Van Doren CL, Thrope GB, Peckham PH, Keith MW. Functional evaluation of quadriplegic patients using a hand neuroprosthesis. Arch Phys Med Rehabil 1990 Dec;71(13):1053-7.

Zahradnik J. Shoulder movement as a command control source for upper limb neural prostheses [master's thesis]. Cambridge (MA): Massachusetts Institute of Technology; 1989.

ROBOTIC DEVICES

Advances in rehabilitation technology. NSC-88. North Sea Conference on Biomedical Engineering. Maastricht, The Netherlands; Apr 13-15, 1988. Proceedings. J Med Eng Technol 1989 Jan-Apr; 13(1-2):1-157.

Aeyels B, Peeraer L, Vander Sloten J, Van der Perre G. Development of an above-knee prosthesis equipped with a microcomputer-controlled knee joint: first test results. J Biomed Eng 1992 May; 14(3):199-202.

Akazawa, K. Neuromuscular control system and hardware models. Adv Robot 1991;5(1):75-85.

Alexander MA, Demasco PW, Gilbert M, Miller LJ, Nelson MR, Shah A. Rehabilitation technology for disabled children. Phys Med Rehabil 1991 Jun; 5(2):365-87;

Asghar MA, Fallah A, Mikaili R. Control of the electric motor in a cybernetic arm. Cybernet Syst 1991 Jan-Feb;22(1):119-34.

Bach JR, Zeelenberg AP, Winter C. Wheelchair-mounted robot manipulators. Long term use by patients with Duchenne muscular dystrophy. Am J Phys Med Rehabil 1990 Apr;69(2):55-9.

Bresler MI. The tamara system: integrated control of mobility, communication, and environment. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 300-1.

Cook AM, Liu KM, Hoseit P. Robotic arm use by very young motorically disabled children. Assist Technol 1990;2(2):51-7.

Dijkers MP, deBear PC, Erlandson RF, Kristy K, Geer DM, Nichols A. Patient and staff acceptance of robotic technology in occupational therapy: a pilot study. J Rehabil Res Dev 1991 Spring;28(2):33-44.

Espinosa C, Perkowski MA. Hierarchical Hough transform for the vision system of the PSUBOT. In: Northcon Conference Record; 1991 Oct 1-3; Portland, OR. Los Angeles: Electronic Conventions Management; 1991. p. 291-6.

Finlay PA. Medical robotics-why, what and when. Industr Robot 1989 Mar;16(1):37-9.

Goodfellow J. Orthopaedic robotics. Third Annual International Symposium on Custom-made Prostheses. October 1990--Nice, France. J Bone Joint Surg [Br] 1991 Mar;73(2):351.

Gosine RG, Harwin WS, Furby LJ, Jackson RD. An intelligent end-effector for a rehabilitation robot. J Med Eng Technol 1989 Jan-Apr;13(1-2):37-43.

Hammel J, Hall K, Lees D, Leifer L, Van der Loos M, Perkash I, Crigler R. Clinical evaluation of a desktop robotic assistant. J Rehabil Res Dev 1989 Summer;26(3):1-16.

Hammel JM, Van der Loos HF, Perkash I. Evaluation of a vocational robot with a quadriplegic employee. Arch Phys Med Rehabil 1992 Jul;73(7):683-93.

Hammell KRW. Occupational therapy in the management of high level quadriplegia. Br J Occup Ther 1991 Sep;54(9):333-40.

Hausdorff JM, Horowitz DM, Carroll SS. Sensory feedback and automated grasping for a vocational robotic work station. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 183-4.

Heckathorne CW. Manipulation in unstructured environments: extended physiological proprioception, position control, and arm prostheses. Paper presented at: the International Conference on Rehabilitation Robotics; 1990. [15 p.].

Hillman M. Rehabilitation robotics. Crit Rev Phys Rehabil Med 1992;4(1-2):79-103.

Hillman M, Jepson J. Evaluation of a robotic workstation for the disabled. J Biomed Eng 1992 May;14(3):187-92.

Hillman MR, Pullin GM, Gammie AR, Stammers CW, Orpwood RD. Clinical experience in rehabilitation robotics. J Biomed Eng 1991 May;13(3):239-43.

Hillman MR, Pullin GM, Gammie AR, Stammers CW, Orpwood RD. Development of a robot arm and workstation for the disabled. J Biomed Eng 1990 May;12(3):199-204.

Howell R, et al (Ohio State University, Columbus). A prototype robotic arm for use by severely orthopedically handicapped students. Final report. Washington (DC): Office of Special Education and Rehabilitative Services; 1989 Dec. 102 p. Available from: ERIC, Arlington, VA; ED346 664, EC301 276.

Huang CC. Biped robot with a vestibular system [dissertation]. Blacksburg (VA): Virginia Polytechnic Institute and State University; 1991. 150 p.

Iberall T, Torras C, MacKenzie C, Kohonen T, Fogelman-Soulie F. Parameterizing prehension: a mathematical model of opposition space. In: Kohonen T, Fogelman-Soulie F, eds. Cognitiva 90. At the crossroads of artificial intelligence, cognitive science and neuroscience. Proceedings of the 3rd Cognitiva Symposium; 1990 Nov 20-23, Madrid, Spain. Amsterdam; New York: North-Holland; Elsevier Science Publ.; 1991. p. 635-42.

Kato A, Ito K, Ito M. [Compliant motion of ultrasonic motor by phase difference control]. Trans Soc Instr Control Eng 1991;27(11):1290-5. (Jpn).

Kazerooni H, Kim Y, Spelman FA. Human/robot interaction via the transfer of power and information signals. In: Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 11th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1989 Nov 9-12; Seattle, WA. Vol. 3. Piscataway (NJ): IEEE; 1989. p. 908-9.

Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 11th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1989 Nov 9-12; Seattle, WA. Piscataway (NJ): IEEE; 1989. 6 vols. 2087 p.

Kinoshita T, Tamesada T. [The fundamental face direction control system for shape memory alloy robot (shoulder disarticulation prosthesis, Zizai 2)]. Robot 1992 Mar;85:70-6. (Jpn).

Kybard P. Prosthetics lead the way. Electron Wirel World 1989 Feb;95(1636):176-7.

Kyberd PJ. Algorithmic control of a multifunction hand prosthesis [dissertation]. Highfield (UK): University of Southampton; 1990.

Kyberd PJ, Chappell PH. Characterization of an optical and acoustic touch and slip sensor for autonomous manipulation. Measur Sci Technol 1992 Oct;3(10):969-75.

Kyberd PJ, Chappell PH. Object-slip detection during manipulation using a derived force vector. Mechatron 1992 Feb;2(1):1-13.

Lee S, Agah A, Bekey G. IROS: an intelligent rehabilitative orthotic system for cerebrovascular accident. In: 1990 IEEE International Conference on Systems, Man and Cybernetics Conference Proceedings; 1990 Nov 4-7; Los Angeles, CA. New York: IEEE; 1990. p. 815-9.

Leung P. Robotics in rehabilitation. J Rehabil 1988 Oct-Dec;54(4):6-7.

Mayi D. An intelligent database for the PSUBOT: an autonomous wheelchair robot. In: Northcon Conference Record; 1991 Oct 1-3; Portland, OR. Los Angeles: Electronic Conventions Management; 1991. p. 297-302.

Megahed SM. Automatic algebraic computation of basic kinematic equations of tree structure robot arms: application to human arms. J Eng Med 1991; 205(H3):135-43.

Mehdan M. Tactile sensing for automata and prosthesis [dissertation]. London: Council for National Academic Awards; 1989. 290 p.

NERAC, Inc. (Tolland, CT). Multifunctional artificial limbs. January 1976 - November 1985. A bibliography from INSPEC: Information Services for the Physics and Engineering Communities Database. Springfield (VA): NTIS; 1990 May. 182 p. 229 citations. PB90868613XSP.

NERAC, Inc. (Tolland, CT). Multifunctional artificial limbs (latest citations from the INSPEC: Information Services for the Physics and Engineering Communities Database. December 1985 - April 1992) [bibliography]. Springfield (VA): NTIS; 1992 Jun. 188 citations. PB92855428XSP.

Ojala J, Inoue K, Sasaki K, Takamo M. Development of an intelligent wheelchair using computer graphics animation and simulation. Comput Graph Forum 1991 Dec;10(4):285-95.

Orpwood RD. Design methodology for aids for the disabled. J Med Eng Technol 1990 Jan-Feb;14(1): 2-10.

Perkowski MA, Sarabi A, Schafer I. Application of orthogonal transforms in image processing. In: Northcon Conference Record; 1991 Oct 1-3; Portland, OR. Los Angeles: Electronic Conventions Management; 1991. p. 303-9.

Pho RW, Lim SY, Pereira BP. Computer applications in orthopaedics. Ann Acad Med Singapore 1990 Sep;19(5):691-8.

Popovic DB. Dynamics of the self-fitting modular orthosis. IEEE Trans Robot Autom 1990 Apr;6(2): 200-7.

Prior SD. An electric wheelchair mounted robotic arm--a survey of potential users. J Med Eng Technol 1990 Jul-Aug;14(4):143-54.

Prior SD, Crochetiere WJ, Mahoney RM, Masanic C, Milner M, Goldenberg AA, Apkarian J. Special session 13: robotics invited papers. In: Capitalizing on Technology: proceedings of the RESNA 13th annual conference; 1990 Jun 15-20; Washington, DC. Washington (DC): RESNA Press; 1990. p. 297-302.

Pullin G, Gammie A. Current capabilities of rehabilitation robots. J Biomed Eng 1991 May; 13(3):215-6.

Racz J, Wolczowski A. [Graphical simulation of movement control of automatic wheel chair]. Pr Nauk Inst Cybernetyki Tech Politech Wroclawsk 1990;37:189-95. (Pol).

Regalbuto MA, Krouskop TA, Cheatham JB. Toward a practical mobile robotic aid system for people with severe physical disabilities. J Rehabil Res Dev 1992 Winter;29(1):19-26.

Rehabilitation R & D progress reports 1988. J Rehabil Res Dev 1989 Feb;25 Suppl:1-419.

Rehabilitation R&D progress reports 1989. J Rehabil Res Dev 1990 Feb;26 Suppl:1-509.

Rehabilitation R&D progress reports 1990. J Rehabil Res Dev 1991 Winter;28(1):1-535.

Reinkensmeyer DJ, Lum PS, Lehman SL. Human control of a simple two-hand grasp. Biol Cybern 1992;67(6):553-64.

Roth N. Bioengineering: science of the cyborg. Med Instrum 1978 Sep-Oct;12(5):303.

Rovetta A. A new technology with an old face and a proud heritage. Mechatron 1991;1(2):117-26.

Rovetta A, Xia W. Biorobotics in a new artificial leg. In: Proceedings of IROS '90: IEEE International Workshop on Intelligent Robots and Systems '90: towards a new frontier of applications; 1990 Jul 3-6; Ibaraki, Japan. Vol. 2. New York: IEEE; 1990. p. 971-6.

Rovetta A, Xia W, Cosmi F. Realization of a prosthesis of the lower limb: development of kinematics. Robot Comput Integr Manuf 1991; 8(3):137-42;

Russell DL. An analysis of constrained motions in manipulation [dissertation]. Cambridge (MA): Massachusetts Institute of Technology; 1990.

Scharer C. A learning man-machine interface for an artificial arm. In: Intelligence for Mechanical Systems. Proceedings IROS '91: IEEE/RSJ International Workshop on Intelligent Robots and Systems '91; 1991 Nov 3-5; Osaka, Japan. Vol. 1. New York: IEEE; 1991. p. 227-30.

Smith D, Stanton K, Perkowski M. A distributed processor ensemble methodology for the PSUBOT. In: Northcon Conference Record; 1991 Oct 1-3; Portland, OR. Los Angeles: Electronic Conventions Management; 1991. p. 310-5.

Stansfield SA (Sandia National Labs., Albuquerque, NM). Connectionist and neural net implementations of a robotic grasp generator. Washington (DC): U.S. Department of Energy; 1992 Jan 6. Report No.: SAND911746C, CONF9204711. Contract No.: AC0476DP00789. 15 p. Available from: NTIS, Springfield, VA.; DE92006832XSP. Paper presented at: International Society for Optical Engineering (SPIE) conference; 1992 Apr 20; Orlando, FL.

Stansfield SA (Sandia National Labs., Albuquerque, NM). Experiments in robotic sensori-motor control during grasp. Washington (DC): U.S. Department of Energy; 1991 Sep 6. Report No.: SAND911379. Contract No.: AC0476DP00789. 21 p. Available from: NTIS, Springfield, VA.; DE92005384XSP.

Stansfield SA (Sandia National Labs., Albuquerque, NM). Expert system for automated robotic grasping. Washington (DC): U.S. Department of Energy; 1990 May 10. Report No.:SAND9012000CExtdAbst, CONF9011011. Contract NO.: AC0476DO00789. 13 p. Available from: NTIS, Springfield, VA.; DE90010820XSP. Paper presented at: American Nuclear Society winter meeting; 1990 Nov 11-15; Washington, DC.

Stansfield SA (Sandia National Labs., Albuquerque, NM). Haptic system for a multifingered hand. Washington (DC): U.S. Department of Energy; 1990. Report No.: SAND902001C, CONF9104511. Contract No.: AC0476DP00789. 25p. Available from: NTIS, Springfield, VA.; DE90017044XSP. Paper presented at: IEEE robotics and automation conference; 1991 Apr 7-12; Sacremento, CA.

Stanton KB. PSUBOT: system overview and path planning. In: Northcon Conference Record; 1991 Oct 1-3; Portland, OR. Los Angeles: Electronic Conventions Management; 1991. p. 285-90.

Stanton KB, Sherman PR, Rohwedder ML, Fleskes CP, Gray DR, Minh DT, Espinoza C, Mayui D, Ishaque M, Perkowski MA, et al. PSUBOT-a voice-controlled wheelchair for the handicapped. In: Johnson RH, et al., eds. Proceedings of the 33rd Midwest Symposium on Circuits and Systems; 1990 Aug 12-14; Calgary, Alberta, Canada. Vol. 2. New York: IEEE; 1991. p. 669-72.

Stelarc. Prosthetics, robotics and remote existence: postevolutionary strategies. Leonardo 1991;24(5): 591-5.

Treherne IM. Autonomous mobile robots: an aid for the handicapped. In: IEE Colloquium on High-Tech Help for the Handicapped; 1990 Apr 2; London (UK). London: IEE; 1990. p. 46.

van Vliet P, Wing AM. A new challenge--robotics in the rehabilitation of the neurologically motor impaired. Phys Ther 1991 Jan;71(1):39-47.

Wu CH, Young KY, Hwang KS, Lehman S. Voluntary movements for robotic control. IEEE Control Syst Mag 1992 Feb;12(1):8-14.

CLINICAL ASSESSMENT & EFFECTIVENESS

Baumgartner R. [Congenital limb abnormalities: amputate or not amputate?]. Rehabilitation (Stuttg) 1990 Feb;29(1):4-11. (Ger).

Baumgartner R. [Rehabilitation following amputation]. Ther Umsch 1989 Jul;46(7):441-8. (Ger).

Bergman K, Ornholmer L, Zackrisson K, Thyberg M. Functional benefit of an adaptive myoelectric prosthetic hand compared to a conventional myoelectric hand. Prosthet Orthot Int 1992 Apr; 16(1):32-7.

Berke GM, Nielsen CC. Establishing parameters affecting the use of myoelectric prostheses in children: a preliminary investigation. J Prosthet Orthot 1991 Summer;3(4):162-7.

Boldyrev AI, Mendelevich IA, Lepilova OI. [Evaluation of residual function of the hand in its defects]. Ortop Travmatol Protez 1989 Jul;(7): 34-6. (Rus).

Bowker JH. Critical choices: the art of prosthesis prescription. In: Bowker JH, Michael JW, eds. Atlas of limb prosthetics: surgical, prosthetic, and rehabilitation principles. St. Louis: Mosby Year Book; 1992. p. 717-20.

Bowker JH. Neurological aspects of prosthetic/orthotic practice. J Prosthet Orthot 1993 Apr;5(2):55-8.

Brodzka WK, Thornhill HL, Zarapkar SE, Malloy JA, Weiss L. Long-term function of persons with atherosclerotic bilateral below-knee amputation living in the inner city. Arch Phys Med Rehabil 1990 Oct;71(11):895-900.

Casillas JM, Aurelle B, Coget P, Becker F, Marcer I, Didier JP. Transcutaneous oxygen tension. How to choose prosthetics for below knee amputation. Ann Readapt Med Phys 1990 Dec;33(6):553-61.

Chan KM, Tan ES. Use of lower limb prosthesis among elderly amputees. Ann Acad Med Singapore 1990 Nov;19(6):811-6.

Choi IH, Kumar SJ, Bowen JR. Amputation or limb-lengthening for partial or total absence of the fibula [see comments]. J Bone Joint Surg [Am] 1990 Oct;72(9):1391-9.

Datta D, Nair PN, Payne J. Outcome of prosthetic management of bilateral lower-limb amputees. Disabil Rehabil 1992 Apr-Jun;14(2):98-102.

De Luccia N, Pinto MA, Guedes JP, Albers MT. Rehabilitation after amputation for vascular disease: a follow-up study. Prosthet Orthot Int 1992 Aug; 16(2):124-8.

Debogorski J. Initial preprosthetic evaluation of the elderly amputee. Top Geriatr Rehabil 1990 Dec; 6(2):65-8.

Dickstein R, Halevy E, Meir H, Bigon R. Use of the early walking aid as a geriatric prosthesis in the community. J Prosthet Orthot 1989 Jan;1(2):110-5.

Dowling R, Laine B. Improving mobility of a patient with a left below elbow prosthesis and right hemiparesis. Clin Kinesiol 1991 Spring;45(1): 19-21.

Durance JP, Warren WK, Kerbel DB, Stroud TW. Rehabilitation of below-knee amputees: factors influencing outcome and costs in three programmes. Int Disabil Stud 1989 Jul-Sep;11(3):127-32.

Edelstein JE. Preprosthetic management of patients with lower or upper limb amputation. Phys Med Rehabil Clin North Am 1991 May;2(2):285-97.

Edelstein JE. Prosthetic assessment and management. In: O'Sullivan SB, Schmitz TJ. Physical rehabilitation: assessment and treatment. 2nd ed. Philadelphia: F.A. Davis; 1988. p. 407-33.

Edelstein JE, Berger N. Performance comparison among children fitted with myoelectric and body-powered hands. Arch Phys Med Rehabil 1993 Apr; 74(4):376-80.

Edwards BG, Marsolais EB. Energy costs of ambulation with reciprocal gait orthosis, electrical stimulation, long leg braces and hybrids: A case study. Clin Kinesiol 1990;44(2):43-7.

Epps CH Jr, Schneider PL. Treatment of hemimelias of the lower extremity. Long-term results. J Bone Joint Surg [Am] 1989 Feb;71(2):273-7.

Erhart C, Barnsteiner KH. [Possibilities with provision of temporary prostheses]. Dtsch Krankenpflegez 1989 Mar;42(3):150-3. (Ger).

Flandry F, Beskin J, Chambers RB, Perry J, Waters RL, Chavez R. The effect of the CAT-CAM above-knee prosthesis on functional rehabilitation [see comments]. Clin Orthop 1989 Feb;(239):249-62.

Folsom D, King T, Rubin JR. Lower-extremity amputation with immediate postoperative prosthetic placement. Am J Surg 1992 Oct;164(4):320-2.

Fyfe NC. An audit of amputation levels in patients referred for prosthetic rehabilitation. Prosthet Orthot Int 1990 Aug;14(2):67-70.

Gottschalk F. CAT-CAM above-knee prostheses and the effect on functional rehabilitation [letter]. Clin Orthop 1990 Jun;(255):310-2.

Hagberg E, Berlin K, Renstrom P. Function after through-knee as compared to above-knee and below-knee amputation. Prosthet Orthot Int 1992 Dec;16(3):168-73.

Houghton A, Allen A, Luff R, McColl I. Rehabilitation after lower limb amputation: a comparative study of above-knee, through-knee and Gritti-Stokes amputations. Br J Surg 1989 Jun; 76(6):622-4.

Jain AS, Stewart CP. Tumour related lower limb amputation: a 23 year experience. Prosthet Orthot Int 1989 Aug;13(2):82-5.

Kald A, Carlsson R, Nilsson E. Major amputation in a defined population: incidence, mortality and results of treatment. Br J Surg 1989 Mar;76(3):308-10.

Kirby RL, Chari VR. Prostheses and the forward reach of sitting lower-limb amputees. Arch Phys Med Rehabil 1990 Feb;71(2):125-7.

Lacroix R, Melzack R, Smith D, Mitchell N. Multiple phantom limbs in a child. Cortex 1992 Sep;28(3): 503-7.

LeBlanc M, Setoguchi Y, Shaperman J, Carlson L. Mechanical work efficiencies of body powered prehensors for young children. J Assoc Child Prosthet Orthot Clin 1992 Winter;27(3):70-5.

Lilja M, Johansson T. Adherent cicatrix after below-knee amputation. J Prosthet Orthot 1993 Apr;5(2): 65-6.

Moore TJ, Barron J, Hutchinson F 3rd, Golden C, Ellis C, Humphries D. Prosthetic usage following major lower extremity amputation. Clin Orthop 1989 Jan;(238):219-24.

Patton JG. Developmental approach to pediatric prosthetic evaluation and training. In: Meier RH 3d, Atkins DJ, eds. Comprehensive management of the upper-limb amputee. New York: Springer-Verlag; 1989. p. 137-49.

Pinzur MS, Littooy F, Daniels J, Arney C, Reddy NK, Graham G, Osterman H. Multidisciplinary preoperative assessment and late function in dysvascular amputees. Clin Orthop 1992 Aug; (281):239-43.

Pohjolainen T. A clinical evaluation of stumps in lower limb amputees. Prosthet Orthot Int 1991 Dec;15(3):178-84.

Pohjolainen T, Alaranta H, Karkkainen M. Prosthetic use and functional and social outcome following major lower limb amputation. Prosthet Orthot Int 1990 Aug;14(2):75-9.

Pohjolainen T, Alaranta H, Wikstrom J. Primary survival and prosthetic fitting of lower limb amputees. Prosthet Orthot Int 1989 Aug;13(2): 63-9.

Proctor S, LeBlanc M. Clinical evaluation of a new design prosthetic prehensor. J Prosthet Orthot 1991 Winter;3(2):79-83.

Purry NA, Hannon MA. How successful is below-knee amputation for injury? Injury 1989 Jan;20(1): 32-6.

Quesada P, Skinner HB. Analysis of a below-knee patellar tendon-bearing prosthesis: a finite element study. J Rehabil Res Dev 1991 Summer;28(3): 1-12.

Sears HH. Approaches to prescription of body powered and myoelectric prostheses. Phys Med Rehabil Clin North Am 1991 May;2(2):361-71.

Sears HH, Shaperman J. Proportional myoelectric hand control: an evaluation. Am J Phys Med Rehabil 1991 Feb;70(1):20-8.

Setoguchi Y. Evaluation of the pediatric amputee. In: Meier RH 3d, Atkins DJ, eds. Comprehensive management of the upper-limb amputee. New York: Springer-Verlag; 1989. p. 92-8.

Staros A, Rubin G. Prescription considerations in modern above knee prosthetics. Phys Med Rehabil Clin North Am 1991 May;2(2):311-24.

Stewart CP, Jain AS. Cause of death of lower limb amputees. Prosthet Orthot Int 1992 Aug;16(2): 129-32.

Stewart CP, Jain AS, Ogston SA. Lower limb amputee survival. Prosthet Orthot Int 1992 Apr; 16(1):11-8.

Stone LR, Keenan MA, Shin DY. Acquired limb loss in patients with traumatic brain injury. Am J Phys Med Rehabil 1990 Jun;69(3):135-9.

van Leeuwen JL, Speth LA, Daanen HA. Shock absorption of below-knee prostheses: a comparison between the SACH and the Multiflex foot. J Biomech 1990;23(5):441-6.

Ward RS, Hayes-Lundy C, Schnebly WA, Saffle JR. Prosthetic use in patients with burns and associated limb amputations. J Burn Care Rehabil 1990 Jul-Aug;11(4):361-4.

Wirta RW, Mason R, Calvo K, Golbranson FL. Effect on gait using various prosthetic ankle-foot devices. J Rehabil Res Dev 1991 Spring;28(2):13-24.

ADVERSE EFFECTS

Baptista A, Barros MA, Azenha A. Allergic contact dermatitis on an amputation stump. Contact Dermatitis 1992 Feb;26(2):140-1.

Foussereau J, Cavelier C, Protois JP, Deviller J. Contact dermatitis from methyl methacrylate in an above-knee prosthesis. Contact Dermatitis 1989 Jan;20(1):69-70.

Kolde G, Worheide J, Baumgartner R, Brocker EB. Kaposi-like acroangiodermatitis in an above-knee amputation stump. Br J Dermatol 1989 Apr;120(4): 575-80.

Macfarlane AW, Yu RC, King CM. Contact sensitivity to para-tertiary-butylcatechol in an artificial limb. Contact Dermatitis 1990 Jan;22(1): 56-7.

Mahaisavariya B, Mahaisavariya P. Marjolin's ulcer complicating a poorly fabricated prosthesis. Injury 1991 Sep;22(5):423-4.

Manneschi V, Cipolla C, Govoni M, Patrone P. [Skin pathology caused by the use of limb prostheses]. G Ital Dermatol Venereol 1989 Jul-Aug;124(7-8): 363-7. (Ita).

Manneschi V, Palmerio B, Pauluzzi P, Patrone P. Contact dermatitis from myoelectric prostheses. Contact Dermatitis 1989 Aug;21(2):116-7.

Nicholas JJ, Robinson LR, Schulz R, Blair C, Aliota R, Hairston G. Problems experienced and perceived by prosthetic patients. J Prosthet Orthot 1993 Jan; 5(1):16-9.

Romaguera C, Vilaplana J, Grimalt F, Ferrando J. Contact sensitivity to meth(acrylates) in a limb prosthesis. Contact Dermatitis 1989 Aug;21(2): 125.

Rook JL, Green RF, Purgliese GN, Silane M. Thrombosis of axillary-femoral bypass secondary to prosthesis suspension belt. Arch Phys Med Rehabil 1989 Jul;70(7):559-61.

Santucci B, Donati P, Cristaudo A, Cannistraci C, Picardo M. Kaposi-like acro-angiodermatitis of amputation stump caused by suction socket prosthesis. Contact Dermatitis 1992 Aug;27(2): 131-2.

Vincenzi C, Cameli N, Vassilopoulou A, Tosti A. Allergic contact dermatitis due to benzoyl peroxide in an arm prosthesis. Contact Dermatitis 1991 Jan; 24(1):66-7.

OTHER MOBILITY AIDS

WHEELCHAIRS & OTHER MOTORIZED AIDS

General

Arnold ME, Penn B. Expert systems and occupational therapy. Br J Occup Ther 1990 Sep;53(9):365-8.

Belkin L. How rationing will really work. Med Econ 1993 Mar 22;70(6):160-1, 165-8, 171-2 passim.

Bergen AF. The prescriptive wheelchair: an orthotic device. In: O'Sullivan SB, Schmitz TJ. Physical rehabilitation: assessment and treatment. 2nd ed. Philadelphia: F.A. Davis; 1988. p. 615-28.

Bergen AF, Presperin J, Tallman T. Positioning for function: the wheelchair & other assistive technologies. Valhalla (NY): Valhalla Rehabilitation Publ.; 1990.

Beske F. Gutachten uber die nach dem Gesundheits-Reform-Gesetz vorgeschriebene festbetragsregelung fur rollstuhle. Kiel (Germany): Institut fur Gesundheits-System-Forschung; 1989. 72 p. (Ger).

Bhambhani YN, Eriksson P, Steadward RD. Reliability of peak physiological responses during wheelchair ergometry in persons with spinal cord injury. Arch Phys Med Rehabil 1991 Jul;72(8): 559-62.

Bhambhani YN, Holland LJ, Steadward RD. Maximal aerobic power in cerebral palsied wheelchair athletes: validity and reliability. Arch Phys Med Rehabil 1992 Mar;73(3):246-52.

Blocker WP Jr. How to help your patient choose the right wheelchair. Postgrad Med 1990 Oct;88(5): 243, 246, 251-2.

Britell CW. Physical parameters and speed of wheeling associated with two specific wheelchairs by individuals with spinal cord function [letter]. Am J Phys Med Rehabil 1991 Dec;70(6):338-9.

Britell CW. Wheelchair prescription. In: Kottke FJ, Lehman JF. Krusen's handbook of physical medicine and rehabilitation. 4th ed. Philadelphia: Saunders; 1990. p. 548-63.

Brown DD, Knowlton RG, Hamill J, Schneider TL, Hetzler RK. Physiological and biomechanical differences between wheelchair-dependent and able-bodied subjects during wheelchair ergometry. Eur J Appl Physiol 1990;60(3):179-82.

Brubaker C. Ergonometric considerations. J Rehabil Res Dev Clin Suppl 1990;(2):37-48.

Brubaker CE, ed. Wheelchair IV: report of a conference on the state-of-the art of powered wheelchair mobility; 1988 Dec 7-9; Charlottesville, VA. Washington (DC): RESNA Press; 1989. 139 p.

Burkett LN, Chisum J, Pierce J, Pomeroy K. Increased dermal sensitivity over paralyzed muscle after peak exercise. Adapt Phys Activ Q 1990;7(1): 67-73.

Calder CJ, Kirby RL. Fatal wheelchair-related accidents in the United States. Am J Phys Med Rehabil 1990 Aug;69(4):184-90.

Campbell F, Ross F. Disability: dealing with wheels. Community Outlook 1990 Oct:23-6.

Canale I, Felici F, Marchetti M, Ricci B. Ramp length/grade prescriptions for wheelchair dependent individuals. Paraplegia 1991 Sep;29(7):479-85.

Cappozzo A, Felici F, Figura F, Marchetti M, Ricci B. Prediction of ramp traversability for wheelchair dependent individuals. Paraplegia 1991 Sep;29(7): 470-8.

Chase J, Bailey DM. Evaluating the potential for powered mobility. Am J Occup Ther 1990 Dec; 44(12):1125-9.

Choosing a wheelchair system. J Rehabil Res Dev Clin Suppl 1990;(2):1-116.

Clarke AM, Redden JF. Management of hip posture in cerebral palsy. J R Soc Med 1992 Mar;85(3): 150-1.

Cock J. Life inside the shell: a needs survey of spinal cord-injured wheelchair users in a black South African township. Disabil Handicap Soc 1989;4(1): 3-20.

A compendium of rehabilitation technology research supported by NIDRR: national workshop on rehabilitation technology; 1990 Oct 3-4; Washington, DC. Washington (DC): Electronic Industries Foundation, Rehabilitation Center; 1990. 278 p.

Cooper RA. A systems approach to the modeling of racing wheelchair propulsion. J Rehabil Res Dev 1990 Spring;27(2):151-62.

Cooper RA. Wheelchair racing sports science: a review. J Rehabil Res Dev 1990 Summer;27(3): 295-312.

Crewe R. Standards of wheelchairs [letter]. BMJ 1989 Jul 1;299(6690):53-4.

Davis K. Toward greater mobility. Clin Manage 1991 May-Jun;11(3):24-30.

Deacon S. Wheelchair lifts: proper selection assures user of a long-term investment. Contin Care 1991 Apr;10(4):30-1.

Deathe AB. Canes, crutches, walkers and wheelchairs: a review of metabolic energy expenditure. Can J Rehabil 1992 Summer;5(4):217-30.

Desmond K. Electric vehicles-quietly making progress. IEEE Rev 1991 Apr 18;37(4):145-7.

DiGaudio KM, Msall ME. Guidelines for safe transportation of children in wheelchairs. Am J Dis Child 1991 Jun;145(6):653-5.

Directory of wheelchair manufacturers. Except Parent 1991 Mar;21(2):44.

Eckrich KM. Dynamic interface pressure between seated users and their wheelchairs [dissertation]. Ames (IA): Iowa State University; 1991. 171 p.

Eckrich KM. A pneumatic bladder array for measuring dynamic interface pressure between seated users and their wheelchairs. Biomed Sci Instrum 1991;27:135-40.

Fewster C. Wheelchair apartheid. Nurs Times 1990 Jun 6-12;86(23):49-51.

Frank TG, Abel EW. Measurement of the turning, rolling and obstacle resistance of wheelchair castor wheels. J Biomed Eng 1989 Nov;11(6):462-6.

Franklin BA, Swantek KI, Grais SL, Johnstone KS, Gordon S, Timmis GC. Field test estimation of maximal oxygen consumption in wheelchair users. Arch Phys Med Rehabil 1990 Jul;71(8):574-8.

Garg A, Owen B, Beller D, Banaag J. A biomechanical and ergonomic evaluation of patient transferring tasks: wheelchair to shower chair and shower chair to wheelchair. Ergonomics 1991 Apr; 34(4):407-19.

Gayle GW, Davis GM, Pohlman RL, Glaser RM. Track wheelchair ergometry: effects of handrim diameter on metabolic responses. In: Doll-Tepper G, Dahms C, Doll B, von Selzam H, eds. Adapted physical activity: an interdisciplinary approach. Proceedings of the 7th International Symposium; 1989 Jun; Berlin. New York: Springer-Verlag; 1990. p. 101-7.

Golding JS, Nathan RH. A third world wheelchair. Int Disabil Stud 1987;9(1):38-40.

Gou M. Automatic wheelchair inboard storing. In: Technology for the future decade. RESNA ’89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 1-2.

Grisell J. Turning and transferring the patient: good body mechanics are essential [videocassette]. [Houston]: University of Texas Health Science Center at Houston, School of Nursing; 1991. 1 videocassette: 13 min., 30 sec., sound, color, 1/2 in.

Ham R, Roberts VC. Standards of wheelchairs [letter]. BMJ 1989 Jun 3;298(6686):1522.

Hartridge M, Seeger BR. International wheelchair standards: a study of costs and benefits. Assist Technol 1990;2(4):117-23.

Hawley MS, Cudd PA, Wells JH, Wilson AJ, Judd PL. Wheelchair-mounted integrated control systems for multiply handicapped people. J Biomed Eng 1992 May;14(3):193-8.

Henke C. Power to the people. Rx Home Care 1989 Jul;11(7):26-9.

Hirschhorn BE. The relationship among school accessibility, student locus-of-control and the satisfaction of New York City high school wheelchair users [dissertation]. New York: New York University; 1992. 108 p.

Hotchkiss R. Wheelchair designs from the third world: a radical change in cushion design. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 30-1.

Huber JH. Instructing college students in use of wheelchair and prosthetics. Palaestra 1989 Winter; 5(2):41-6.

Hughes CJ. Biomechanics of wheelchair propulsion as a function of seat position and user-chair interface [dissertation]. Charlottesville (VA): University of Virginia; 1990. 154 p.

Hughes CJ, Weimar WH, Sheth PN, Brubaker CE. Biomechanics of wheelchair propulsion as a function of seat position and user-to-chair interface. Arch Phys Med Rehabil 1992 Mar;73(3):263-9.

Hutzler Y. [Wheelchair adaptation]. Harefuah 1993 Jan 15;124(2):89-94. (Heb).

Interacting with people in wheelchairs [videocassette]. [Los Angeles]: Medical Electronic Educational Services, Vantage Point Productions; Hospital Satellite Network; 1987. 1 videocassette: 29 min., sound, color with black & white, 1/2 in.

Johnson D. Restraints in the 90s. Make your own chairbound alternatives! Geriatr Nurs (New York) 1991 Jan-Feb;12(1):18-9.

Johnson KM. What is the best transportation for a person without head control? SCI Nurs 1992 Dec; 9(4):144.

Kamenetz HL. A brief history of the wheelchair. J Hist Med Allied Sci 1969 Apr;24(2):205-10.

Katzmann RA. Transportation policy. Milbank Q 1991;69 Suppl 1-2:214-37.

Kauzlarich JJ. Wheelchair batteries. II: Capacity, sizing, and life. J Rehabil Res Dev 1990 Spring; 27(2):163-70.

Kettle M, Rowley C, Chamberlain MA. A national survey of wheelchair users. Clin Rehabil 1992; 6(1):67-73.

Klinger C, Boenick U. [A new procedure for simulation of wheelchair operation]. Biomed Tech (Berlin) 1990;35 Suppl 3:303-4. (Ger).

Kristen H. Rollstuhltechnik. Stuttgart (Germany): Gentner Verlag; 1990. 108 p. (Ger).

Lennon S. Wheelchair transfer training in a stroke patient with neglect: a single case study design. Physiother Theory Pract 1991;7(1):51-5.

Letts RM. Principles of seating the disabled. Boca Raton (FL): CRC Press; 1991. 384 p.

Lewis K. Inglis House: a wheelchair community. J Long Term Care Adm 1992 Spring;20(1):8, 10-1.

Little J. Taking control of purchasing a wheelchair: tips for parents about mobility equipment. Except Parent 1991 Mar;21(2):36-8, 46, 50.

Lord J, Behrman B, Varzos N, Cooper D, Lieberman JS, Fowler WM. Scoliosis associated with Duchenne muscular dystrophy. Arch Phys Med Rehabil 1990 Jan;71(1):13-7.

Luebben AJ, Young LJ. Retrofitting: an unnecessary expense. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference: 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 304-5.

MacDonald ML, Kirby RL, Nugent ST, MacLeod DA. Locomotor-respiratory coupling during wheelchair propulsion. J Appl Physiol 1992 Apr;72(4):1375-9.

MacDonald MLE. Respiratory-locomotor coupling during wheelchair propulsion [masters thesis]. Halifax (Canada): Dalhousie University; 1990. 217 p.

Marcotte P. Law student sues her school; wants more accessibility with her wheelchair. ABA J 1989 Mar;75:26-7.

Martel G, Noreau L, Jobin J. Physiological responses to maximal exercise on arm cranking and wheelchair ergometer with paraplegics. Paraplegia 1991 Sep;29(7):447-56.

Martin GM, Gamble GL. Prescription writing in physical medicine and rehabilitation. In: Kottke FJ, Lehman JF. Krusen's handbook of physical medicine and rehabilitation. 4th ed. Philadelphia: Saunders; 1990. p. 647-55.

Masse LC, Lamontagne M, O'Riain MD. Biomechanical analysis of wheelchair propulsion for various seating positions. J Rehabil Res Dev 1992 Summer;29(3):12-28.

Mattison PG, Hunter J, Spence S. Development of a realistic method to assess wheelchair propulsion by disabled people. Int J Rehabil Res 1989;12(2): 137-45.

Mayall JK, Desharnais G. Positioning in a wheelchair: a guide for the professional caregivers of the disabled adult. Thorofare (NJ): Slack; 1990. 110 p.

Mazur JM, Shurtleff D, Menelaus M, Colliver J. Orthopaedic management of high-level spina bifida. Early walking compared with early use of a wheelchair. J Bone Joint Surg [Am] 1989 Jan; 71(1):56-61.

McClenneghen A. Reimbursing power wheelchairs: what are the options? Contin Care 1990 Feb;9(2): 14-16, 33.

McDonald CM, Jaffe KM, Mosca VS, Shurtleff DB. Ambulatory outcome of children with myelomeningocele: effect of lower extremity muscle strength. Dev Med Child Neurol 1991 Jun;33(6):482-90.

McFarland SR. Seeking information about wheelchair evaluation: a call for action. J Rehabil Res Dev Clin Suppl 1990;(2):86-7.

McLaurin CA, Axelson P. Wheelchair standards: an overview. J Rehabil Res Dev Clin Suppl 1990;(2): 100-3.

McLaurin CA, Brubaker CE. Biomechanics and the wheelchair. Prosthet Orthot Int 1991 Apr;15(1): 24-37.

McMahon M, Dudley NJ. General practitioners and wheelchair prescribing. Br J Occup Ther 1992 May;55(5):183-5.

Medicare program; payment for customized wheelchairs--HCFA. Interim final rule with comment period. Fed Regist 1991 Dec 20;56(245): 65995-8.

Mulley GP. Standards of wheelchairs. BMJ 1989 May 6;298(6682):1198-9.

Norrgard L, Crimaldi E, Wylde M. AARP product report on manual wheelchairs. Washington (DC): American Association of Retired Persons; 1992.

Nowak E. Workspace for disabled people. Ergonomics 1989 Sep;32(9):1077-88.

Ozer MN. A participatory planning process for wheelchair selection. J Rehabil Res Dev Clin Suppl 1990;(2):31-6.

Paquet JB. Wheelchair prescription. Clin Manage 1991 May-Jun;11(3):32-6.

Parziale JR. Standard v lightweight wheelchair propulsion in spinal cord injured patients. Am J Phys Med Rehabil 1991 Apr;70(2):76-80.

Pentland WE, Twomey LT. The weight-bearing upper extremity in women with long term paraplegia. Paraplegia 1991 Oct;29(8):521-30.

Pessenhofer H, Sauseng N, Kohla B, Hermann M. [Wheelchair ergometry: technical principles and practical applications]. Biomed Tech (Berlin) 1990; 35 Suppl 2:201-2. (Ger).

Petrillo DK, Wooden VM, Kraft-Fine C, Siegal SG, Cioschi HM. How to equip the quadriplegic patient. Contin Care 1990 Nov;9(11):24-28, 35.

Petter S. Mobility aids: motorized mobility. Nurs Stand 1989 Jul 8;3(41):37-8.

Phillips L, Nicosia A. An overview ... with reflections past and present of a consumer. J Rehabil Res Dev Clin Suppl 1990;(2):1-7.

Plesko L. Heavy on the lightweights. Rx Homecare 1989 May;11(5):41-3.

Pohlman RL, Gayle GW, Davis GM, Glaser RM. Metabolic responses to maximal arm crank and wheelchair ergometry in male paraplegics. Clin Kinesiol 1989;43(4):89-95.

Presperin JJ, ed. Capitalizing on technology: proceedings of the RESNA 13th annual conference; 1990 Jun 15-20; Washington, DC. Washington (DC): RESNA Press; 1990. 445 p.

Presperin JJ, ed. Technology for the next decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989 Jun. 481 p.

Preventing wheelchair theft. Hosp Secur Saf Manage 1990 Nov;11(7):5-8.

Prosthetics Research and Development Center (US), Office of Technology Transfer. Choosing a wheelchair system. Washington (DC): Dept. of Veterans Affairs, Veterans Health Services and Research Administration, Rehabilitation Research and Development Service, Prosthetics Research and Development Center, Office of Technology Transfer; 1990 Mar. 118 p. (J Rehabil Res Dev; Clin Suppl no. 2).

Pullin G, Gammie A. Current capabilities of rehabilitation robots. J Biomed Eng 1991 May; 13(3):215-6.

Radermacher M. [Our "Project Wheelchair." Experiences in class--on the way in a wheelchair]. Krankenpflege (Frankf) 1989 Jan;43(1):43. (Ger).

Ragnarsson KT. Prescription considerations and a comparison of conventional and lightweight wheelchairs. J Rehabil Res Dev Clin Suppl 1990; (2):8-16.

Reid M, Lawrie AT, Hunter J, Warren PM. The effect of steering on the physiological energy cost of wheelchair propulsion. Scand J Rehabil Med 1990;22(3):139-43.

RESNA '90: capitalizing on technology for people with disabilities. Proceedings of the 13th annual conference; 1990 Jun 15-20; Washington, DC. Washington (DC): RESNA Press; 1990. 445 p.

RESNA '91: technology for the nineties. Proceedings of the 14th annual conference; 1991 Jun 21-26; Kansas City, MO. Washington (DC): RESNA Press; 1991. 442 p.

RESNA '92: technology for consumers. Proceedings of the 15th annual conference; 1992 Jun 6-11; Toronto, Canada. Washington (DC): RESNA Press; 1992. 657 p.

Rigger R. Design lines spotlight. A barrier-free house, part 1. Paraplegia News 1989 Aug;43(8):39-42.

Robbins S. 9th annual survey of the lightweights... or, how to solve the puzzle and find the right chair for you. Sports Spokes 1991 Mar-Apr;16(6):22-50.

Robinson A, Anderson L. Use of the wheelchair in encouraging mobility. Oncol Nurs Forum 1989 Jan-Feb;16(1):106.

Sadler C. Disability: wheelchair comfort. Community Outlook 1989 Nov:4-8.

Samuelsson K, Larsson H, Tropp H. A wheelchair ergometer with a device for isokinetic torque measurement. Scand J Rehabil Med 1989;21(4): 205-8.

Samuelsson KA, Larsson H, Tropp HT. Power output and propulsion technique in wheelchair driving. Int J Rehabil Res 1991;14(1):76-81.

Sedlock DA, Knowlton RG, Fitzgerald PI. Circulatory and metabolic responses of women to arm crank and wheelchair ergometry. Arch Phys Med Rehabil 1990 Feb;71(2):97-100.

Shaw G. Wheelchair seat comfort for the institutionalized elderly. Assist Technol 1991;3(1): 11-23.

Shaw G, Taylor SJ. A survey of wheelchair seating problems of the institutionalized elderly. Assist Technol 1991;3(1):5-10.

Singh G. Examination of wheelchair-bound patients [letter]. Arch Ophthalmol 1989 Oct;107(10):1422.

Standards of wheelchairs [letter]. BMJ 1989 May 20; 298(6684):1382-3.

Stewart C. Living aids: wheelchair evaluation and prescription. Nurs Stand 1992 Sep 23-29;7(1): 27-30.

Sweeney GM, Clarke AK. Gradients of portable ramps [letter]. BMJ 1991 May 25;302(6787):1277.

Sweeney GM, Clarke AK, Harrison RA, Bulstrode SJ. An evaluation of portable ramps. Br J Occup Ther 1989 Dec;52(12):473-5.

Sweeney GM, Harrison RA, Clarke AK. Portable ramps for wheelchair users--an appraisal. Int Disabil Stud 1989 Apr-Jun;11(2):68-70.

Taylor SJ, Monahan LC, Abraham FJ. A headband for anterior head support. Am J Occup Ther 1989 Apr;43(4):261-2.

Thom H. [Prevention of hip dislocation in children with spastic paralysis by using a specific therapeutic wheelchair]. Rehabilitation (Stuttg) 1991 Aug;30(3):109-15. (Ger).

Toms J. Mobility and ambulatory aids. In: Scully RM, Barnes MR, Canfield JS, et al., eds. Physical therapy. Philadelphia: Lippincott; 1989. p. 1052-72.

Transfer techniques [videocassette]. Garden Grove (CA): Medcom/Trainex; 1990. 2 videocassettes: sound, color, 1/2 in. (Professional skills for the new nursing assistant).

Traut L. Ergonomische Gestaltung der Benutzerschnittstelle am Antriebssystem des Greifreifenrollstuhls. Berlin; New York: Springer-Verlag; 1989. 210 p. [Ger]

Tucker NJ. Wheelchair walking. Geriatr Nurs (New York) 1991 Jan-Feb;12(1):37.

User experience network. Safe use of supplemental oxygen with powered wheelchairs. Health Devices 1992 Aug;21(8):291.

van der Woude LH, Veeger HE, Rozendal RH, Sargeant AJ. Optimum cycle frequencies in hand-rim wheelchair propulsion. Wheelchair propulsion technique. Eur J Appl Physiol 1989;58(6):625-32.

van Oers CAJM, van der Woude LHV, Roebroeck ME, Rozendal RH. A failure diary for hand propelled wheelchairs. J Rehabil Sci 1991;4(4):123-30.

van Ross E. Pushchairs. Prosthet Orthot Int 1991 Apr;15(1):46-50.

Veeger HE, Lute EM, Roeleveld K, van der Woude LH. Differences in performance between trained and untrained subjects during a 30-s sprint test in a wheelchair ergometer. Eur J Appl Physiol 1992; 64(2):158-64.

Veeger HE, van der Woude LH, Rozendal RH. A computerized wheelchair ergometer. Results of a comparison study. Scand J Rehabil Med 1992; 24(1):17-23.

Veeger HEJ. Biomechanical aspects of manual wheelchair propulsion [dissertation]. Amsterdam: Free University; 1992 Feb 27.

Wahle H. [Ten years follow-up of post-discharge training status of 50 patients with complete paraplegia]. Rehabilitation (Stuttg) 1991 Feb;30(1): 3-13. (Ger).

Walsh M, Judd M. Long term immobility and self care: the Orem nursing approach. Nurs Stand 1989 Jul 8;3(41):34-6.

Wang YT. Relationship between kinematic factors and muscle activity during wheelchair propulsion [dissertation]. Champaign (IL): University of Illinois at Urbana-Champaign; 1991. 238 p.

Warren CG. Powered mobility and its implications. J Rehabil Res Dev Clin Suppl 1990;(2):74-85.

Waters RL, Yakura JS. The energy expenditure of normal and pathologic gait. Crit Rev Phys Rehabil Med 1989;1(3):183-209.

Webster JS, Cottam G, Gouvier WD, Blanton P, Beissel GF, Wofford J. Wheelchair obstacle course performance in right cerebral vascular accident victims. J Clin Exp Neuropsychol 1989 Mar;11(2):295-310.

Wheelchair inspection and cleaning [videocassette]. Austin (TX): Texas Department of Mental Health and Mental Retardation, Richmond State School, Staff Development; 1992. 1 videocassette: 7 min., sound, color, 1/2 in. Accompanied by: 1 guide.

Wheelchair navigation: a computer-aided primer. Health Care (Don Mills) 1989 Nov-Dec;31(9):11-2, 14.

Wheelchair use and safety [videocassette]. Austin (TX): Texas Department of Mental Health and Mental Retardation, Richmond State School, Staff Development; 1992. 1 videocassette: 11 min., sound, color, 1/2 in. Accompanied by: 1 guide.

Wilson AB Jr. How to select and use manual wheelchairs. Topping (VA): Rehabilitation Press; 1992. 67 p.

Wilson AB Jr. Wheelchairs: a prescription guide. 2nd ed. New York: Demos Publications; 1992. 96 p.

Wilson AB Jr, McFarland SR. Types of wheelchairs. J Rehabil Res Dev Clin Suppl 1990;(2):104-16.

Yoshida K. [20 years on wheelchair: unpleasant experiences at a rehabilitation center]. Kango 1991 May;43(6):148-54. (Jpn).

Yoshido K. [20 years in a wheelchair--first hospitalization after traffic accident]. Kango 1991 Apr;43(5):119-26. (Jpn).

Design, Materials, Seating, & Equipment Safety

Abdel-Moty E, Khalil TM. Computer-aided design and analysis of the sitting workplace for the disabled. Int Disabil Stud 1991 Oct-Dec;13(4): 121-4.

Abel EW, Frank TG. The design of attendant propelled wheelchairs. Prosthet Orthot Int 1991 Apr;15(1):38-45.

Agren B, Turesson A, Rosengren V, Jonsson B. [The use of electric wheelchairs can be probably further extended]. Lakartidningen 1990 Jul 11;87(28-29): 2356-8. (Swe).

Alexander MA, Demasco PW, Gilbert M, Miller LJ, Nelson MR, Shah A. Rehabilitation technology for disabled children. Phys Med Rehabil 1991 Jun; 5(2):365-87;

Amundson JS, Amundson SG. A joystick controlled wheelchair. Biomed Sci Instrum 1991;27:131-3.

Andrich M, Contardo R. An approach to mobility and communication via seating: a case study. In: Technology for the next decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA.Washington (DC): RESNA Press; 1989. p. 298-9.

Anschutz JR. Chairsim: a power wheelchair simulator. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 353.

Antczak JM, Snell E. Quad comparator circuit. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 9-10.

Ashmead S, Hunting D. Tiller steering on wheelchairs for children and adults with unequal arm function. Physiotherapy 1990 Apr;76(4):262-3.

Automobile transportation: car seats, wheelchair carriers, and van lifts. Except Parent 1989 May-Jun;19(4):28-33.

Axelson P, Castellano J. Take to the trails: everything you ever wanted to know about off road wheelchairs. Sports Spokes 1990 Jul-Aug;16(2): 20-4.

Aylor JH, Kauzlarich JJ. A user survey on backup power for powered wheelchairs. Charlottesville (VA): University of Virginia Rehabilitative Engineering Center; 1991.

Aylor JH, Thacker JG, Johnson BW, Baldwin D, Lei GM. Dependability modeling of electric wheelchair systems. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 5-6.

Bach JR, Zeelenberg AP, Winter C. Wheelchair-mounted robot manipulators. Long term use by patients with Duchenne muscular dystrophy. Am J Phys Med Rehabil 1990 Apr;69(2):55-9.

Banks LW. Heightening fan enjoyment: need a lift? An invention helps spectators in wheelchairs follow the action. Sports Illus 1991 Nov 25;75(23):28.

Bar CA. Evaluation of cushions using dynamic pressure measurement. Prosthet Orthot Int 1991 Dec;15(3):232-40.

Becker DG, Washington BV, Devlin PM, Zook JE, Edlich RF. Injury due to uncontrolled acceleration of an electric wheelchair. J Emerg Med 1991 May-Jun;9(3):115-7.

Behrman AL. Factors in functional assessment. J Rehabil Res Dev Clin Suppl 1990;(2):17-30.

Beringhause S, Rosen MJ, Huang S. Evaluation of a damped joystick for people disabled by intention tremor. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 41-2.

Bishop P. Variables of wheelchair position for athletes with cerebral palsy and amputation. Palaestra 1990 Summer;6(4):59.

Blackstien-Adler S, Ryan S, Naumann S, Parnes P. Development of an integrated wheelchair tray system for augmentative communication. Assist Technol 1990;2(4):142-50.

Bresler MI. The tamara system: integrated control of mobility, communication, and environment. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 300-1.

Bresler MI. Vectorplane: an approach to contouring powered mobility control. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 13-4.

Brown KE, Inigo RM, Johnson BW. Design, implementation, and testing of an adaptable optimal controller for an electric wheelchair. IEEE Trans Ind Appl 1990 Nov-Dec;26(6):1144-57.

Brubaker C. Ergonometric considerations. J Rehabil Res Dev Clin Suppl 1990;(2):37-48.

Brubaker C, ed. Wheelchair IV: report of a conference on the state-of-the-art of powered wheelchair mobility, December 7-9, 1988; sponsored by University of Virginia Rehabilitation Engineering Center and National Institute on Disability and Rehabilitation Research of the Department of Education. Washington (DC): RESNA Press; 1989. 139 p.

Brubaker CH, Sprigle SH. Seating and wheelchairs. Curr Opin Orthop 1990 Dec;1(3):445-9.

Bullard M, Clothiaux A. Use of dynamic tilt in space to resolve conflicting clinical objectives, In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 165-6.

Cheng DP. Semi-latched mode single switch wheelchair interface. In: RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 11-2.

Chizinsky KA, Horstmann H, Koester DJ, Levine SP. Modification of a proportional joystick to incorporate accessory switch outputs. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 39-40.

Choate MJ. Infrared wheelchair controls. Biomed Sci Instrum 1990;26:107-9.

Clarke AM, Redden JF. Management of hip posture in cerebral palsy. J R Soc Med 1992 Mar;85(3): 150-1.

Colino S. To climb every mountain: these wheelchairs are designed to put disabled athletes on trails once reserved for off-road vehicles. Sports Illus 1992 May 4;76(17):6,10.

A compendium of rehabilitation technology research supported by NIDRR: national workshop on rehabilitation technology; 1990 Oct 3-4; Washington, DC. Washington (DC): Electronic Industries Foundation, Rehabilitation Center; 1990. 278 p.

Cooper RA. Force/energy optimization model for wheelchair athletics. IEEE Trans Syst Man Cybern 1990 Mar-Apr;20(2):444-9.

Cooper RA. High-tech wheelchairs gain the competitive edge. IEEE Eng Med Biol 1991 Dec; 10(4):49-55.

Cooper RA. An international track wheelchair with a center of gravity directional controller. J Rehabil Res Dev 1989 Spring;26(2):63-70.

Cooper RA. A new racing wheelchair front wheel mounting mechanism. Palaestra 1990 Fall;6(5): 30-2.

Cooper RA. Racing wheelchair crown compensation. J Rehabil Res Dev 1989 Winter;26(1):25-32.

Cooper RA. Racing wheelchair rear wheel alignment. J Rehabil Res Dev 1989 Winter;26(1):47-50.

Cooper RA. System identification of human performance parameters for competitive wheelchair design [dissertation]. Santa Barbara (CA): University of California, Santa Barbara; 1989. 261 p.

Cooper RA. Technology and wheelchair sports. Newsl Natl Wheelchair Athlet Assoc 1990 Fall: 17-8.

Cooper RA, MacLeish M. Racing wheelchair roll stability while turning: a simple model. J Rehabil Res Dev 1992 Spring;29(2):23-30.

Crase N. The impulse. Sports Spokes 1989 Jul-Aug; 15(2):29-30, 32-3.

Cremers GB. Hybrid-powered wheelchair: a combination of arm force and electrical power for propelling a wheelchair. J Med Eng Technol 1989 Jan-Apr;13(1-2):142-8.

Crenshaw RP, Vistnes LM. A decade of pressure sore research: 1977-1987. J Rehabil Res Dev 1989 Winter;26(1):63-74.

Crewe R. Standards of wheelchairs [letter]. BMJ 1989 Jul 1;299(6690):53-4.

Cronk SR, Hobson DA, Ellis GA. A low-cost data acquisition system for measuring shear force and center of gravity of wheelchair occupants. In: RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 81-2.

Davey K, Ross D, Simpson C. Development of a high reliability, high efficiency curvilinear synchronous wheelchair drive system. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 7-8.

de Boer YA, Cambach W, Veeger HEJ, van der Woude LHV. Wheelchair prototype testing: a new lever-drive-system in comparison with existing propulsion mechanisms. J Rehabil Sci 1992 Jun;5(2):38-43.

Deacon S. Wheelchair lifts: proper selection assures user of a long-term investment. Contin Care 1991 Apr;10(4):30-1.

Deitz J, Jaffe KM, Wolf LS, Massagli TL, Anson D. Pediatric power wheelchairs: evaluation of function in the home and school environments. Assist Technol 1991;3(1):24-31.

Desmond K. Electric vehicles-quietly making progress. IEEE Rev 1991 Apr 18;37(4):145-7.

Dudley NJ. Wheelchair safety [letter]. Lancet 1993 Jan 23;341(8839):246.

Eckrich KM. Dynamic interface pressure between seated users and their wheelchairs [dissertation]. Ames (IA): Iowa State University; 1991. 171 p.

Eckrich KM. A pneumatic bladder array for measuring dynamic interface pressure between seated users and their wheelchairs. Biomed Sci Instrum 1991;27:135-40.

El-Shanawany MM. Operation of a car alternator as a three-phase traction motor using microprocessor. In: UPEC'89. Proceedings of the 24th University Power Engineers Conference; 1989 Sep 19-20; Belfast, Northern Ireland, U.K. Belfast (UK): Queen's University; 1989. p. 327-30.

Espinosa C, Perkowski MA. Hierarchical Hough transform for the vision system of the PSUBOT. In: Northcon Conference Record; 1991 Oct 1-3; Portland, OR. Los Angeles: Electronic Conventions Management; 1991. p. 291-6.

Eve L, Kinnear EML. Does the wheelchair fit? A study of seating for adults with mental handicap. Physiother 1989 Feb;75(2):72-6.

Factor E. The turtle: new wheelchair tracks on sand and snow. Except Parent 1989 May-Jun;19(4): 52-3.

Fife SE, Roxborough LA, Armstrong RW, Harris SR, Gregson JL, Field D. Development of a clinical measure of postural control for assessment of adaptive seating in children with neuromotor disabilities. Phys Ther 1991 Dec;71(12):981-93. Published erratum appears in Phys Ther 1992 Jan; 72(1):41.

Frank TG, Abel EW. Design and evaluation of footrests for hospital wheelchairs. J Biomed Eng 1990 Jul;12(4):333-9.

Frank TG, Abel EW. Measurement of the turning, rolling and obstacle resistance of wheelchair castor wheels. J Biomed Eng 1989 Nov;11(6):462-6.

Franks CA, Palisano RJ, Darbee JC. The effect of walking with an assistive device and using a wheelchair on school performance in students with myelomeningocele. Phys Ther 1991 Aug;71(8): 570-7; discussion 577-9.

Fraser BA, Hensinger RN, Phelps JA. Physical management of multiple handicaps: a professional's guide. 2nd ed. Baltimore: Paul H. Brookes Publ.; 1990. 337 p.

Garber SL, Dyerly LR. Wheelchair cushions for persons with spinal cord injury: an update. Am J Occup Ther 1991 Jun;45(6):550-4.

Garland LA, Dorion SL, Vietinghoff HE. Development of a standard interface concept for securing wheelchairs in accessible vehicles. Ottawa (Canada): Centre for Studies on Aging; 1989. 118 p.

Garrett RE, Hartridge M, Seeger BR. Comparative evaluation of chargers for wheelchair gel cell batteries. Australas Phys Eng Sci Med 1990 Sep; 13(3):148-56.

Gayle GW, Davis GM, Pohlman RL, Glaser RM. Track wheelchair ergometry: effects of handrim diameter on metabolic responses. In: Doll-Tepper G, Dahms C, Doll B, von Selzam H, eds. Adapted physical activity: an interdisciplinary approach. Proceedings of the 7th International Symposium; 1989 Jun; Berlin. New York: Springer-Verlag; 1990. p. 101-7.

Gayle GW, Pohlman RL, Glaser RM, Davis GM. Cardiorespiratory and perceptual responses to arm crank and wheelchair exercise using various handrims in male paraplegics. Res Q Exerc Sport 1990 Sep;61(3):224-32.

George M. Wheel lock. Nurs Times 1992 Jan 1-7; 88(1):17.

Gilsdorf P, Patterson R, Fisher S. Thirty-minute continuous sitting force measurements with different support surfaces in the spinal cord injured and able-bodied. J Rehabil Res Dev 1991 Fall;28(4):33-8.

Gilsdorf P, Patterson R, Fisher S, Appel N. Sitting forces and wheelchair mechanics. J Rehabil Res Dev 1990 Summer;27(3):239-46.

Golding JS, Nathan RH. A third world wheelchair. Int Disabil Stud 1987;9(1):38-40.

Gordon J, Kauzlarich JJ, Thacker JG. Tests of two new polyurethane foam wheelchair tires. J Rehabil Res Dev 1989 Winter;26(1):33-46.

Gou M. Automatic wheelchair inboard storing. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 1-2.

Green EM, Nelham RL. Development of sitting ability, assessment of children with a motor handicap and prescription of appropriate seating systems. Prosthet Orthot Int 1991 Dec;15(3): 203-16.

Hambrey RA, Withinshaw G. Electrically powered upper limb prostheses: their development and application. Br J Occup Ther 1990 Jan;53(1):7-11.

Harms M. Effect of wheelchair design on posture and comfort of users. Physiotherapy 1990 May;76(5): 266-71.

Hawley MS, Cudd PA, Wells JH, Wilson AJ, Judd PL. Wheelchair-mounted integrated control systems for multiply handicapped people. J Biomed Eng 1992 May;14(3):193-8.

Henke C. Power to the people. Rx Home Care 1989 Jul;11(7):26-9.

Herzberg SR. Positioning the nursing home resident: an issue of quality of life. Am J Occup Ther 1993 Jan;47(1):75-7.

Hobson DA. Comparative effects of posture on pressure and shear at the body-seat interface. J Rehabil Res Dev 1992 Fall;29(4):21-31.

Hughes CJ. Biomechanics of wheelchair propulsion as a function of seat position and user-chair interface [dissertation]. Charlottesville (VA): University of Virginia; 1990. 154 p.

Hughes CJ, Weimar WH, Sheth PN, Brubaker CE. Biomechanics of wheelchair propulsion as a function of seat position and user-to-chair interface. Arch Phys Med Rehabil 1992 Mar;73(3):263-9.

Hunt GM, Whitaker RH. A new device for self-catheterisation in wheelchair-bound women. Br J Urol 1990 Aug;66(2):162-3.

Hutzler Y. [Wheelchair adaptation]. Harefuah 1993 Jan 15;124(2):89-94. (Heb).

Inigo RM, Wagner J. An optical joystick for electric wheelchairs. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 37-8.

Jelonkiewicz J, Jonsson A, Ferraris P. Design and control of synchronous wheelchair drive. In: EPE '91: the 4th European Conference on Power Electronics and Applications; 1991 Sep 3-6; Florence, Italy. Vol. 1. Torino (Italy): Litografia GEDA; 1991. p. 121-4.

Johnson D. Restraints in the 90s. Make your own chairbound alternatives! Geriatr Nurs (New York) 1991 Jan-Feb;12(1):18-9.

Jones CK. In search of power for the pediatric client. Phys Occup Ther Pediatr 1990;10(2):47-68.

Kanyer B. Meeting the seating and mobility needs of the client with traumatic brain injury. J Head Trauma Rehabil 1992 Sep;7(3):81-93.

Kauzlarich JJ. Wheelchair batteries. II: Capacity, sizing, and life. J Rehabil Res Dev 1990 Spring; 27(2):163-70.

Kirby RL, Atkinson SM, MacKay EA. Static and dynamic forward stability of occupied wheelchairs: influence of elevated footrests and forward stabilizers. Arch Phys Med Rehabil 1989 Sep; 70(9):681-6.

Kirby RL, Kumbhare DA, MacLeod DA. "Bedside" test of static rear stability of occupied wheelchairs. Arch Phys Med Rehabil 1989 Mar;70(3):241-4.

Kirby RL, McLean AD. Preventing occupied wheelchairs from falling down stairs. J Rehabil Res Dev 1990 Winter;27(1):27-32.

Kirby RL, McLean AD, Eastwood BJ. Influence of caster diameter on the static and dynamic forward stability of occupied wheelchairs. Arch Phys Med Rehabil 1992 Jan;73(1):73-7.

Krome RL. Electric wheelchair precautions [letter]. J Emerg Med 1991 Nov-Dec;9(6):511.

Krouskop TA, Cullen B, Garber SL. Custom selection of support surfaces for wheelchairs and beds: one size does not fit all. Dermatol Nurs 1992 Jun;4(3): 191-4, 204.

Lemaire ED, Lamontagne M, Barclay HW, John T, Martel G. A technique for the determination of center of gravity and rolling resistance for tilt-seat wheelchairs. J Rehabil Res Dev 1991 Summer; 28(3):51-8.

Marinissen AH, Oldenkamp I. Design and development of a powered vehicle for handicapped people. J Med Eng Technol 1989 Jan-Apr;13(1-2): 149-55.

Masse LC, Lamontagne M, O'Riain MD. Biomechanical analysis of wheelchair propulsion for various seating positions. J Rehabil Res Dev 1992 Summer;29(3):12-28.

Mathews P, Wu M. Choosing a sports or sports style wheelchair. Indep Living 1991 Autumn;7(2):10-7.

Mayi D. An intelligent database for the PSUBOT: an autonomous wheelchair robot. In: Northcon Conference Record; 1991 Oct 1-3; Portland, OR. Los Angeles: Electronic Conventions Management; 1991. p. 297-302.

McEwen IR. Assistive positioning as a control parameter of social communicative interactions between students with profound multiple disabilities and classroom staff... including commentary by Palisano RJ with author response. Phys Ther 1992 Sep;72(9):634-47.

McLaurin CA. Current directions in wheelchair research. J Rehabil Res Dev Clin Suppl 1990;(2):88-99.

McLaurin CA, Brubaker CE. Biomechanics and the wheelchair. Prosthet Orthot Int 1991 Apr;15(1): 24-37.

McPherson JJ, Schild R, Spaulding SJ, Barsamian P, Transon C, White SC. Analysis of upper extremity movement in four sitting positions: a comparison of persons with and without cerebral palsy. Am J Occup Ther 1991 Feb;45(2):123-9.

Meijs PJM, Van Oers CAJM, Veeger HEJ, Van Der Woude LHV. The effect of seat height on the physiological response and propulsion technique in wheelchair propulsion. J Rehabil Sci 1989 Dec; 2(4):104-7.

Michael SM. Advances in wheelchair cushioning. Crit Rev Phys Rehabil Med 1991;3(1):1-12.

Moretto DF, Minkel JL, Cardi MD. Prosthetic/orthotic management after recent hemipelvectomy for a myelomeningocele patient. J Prosthet Orthot 1992 Winter;4(2):93-102.

Myhr U, von Wendt L. Improvement of functional sitting position for children with cerebral palsy. Dev Med Child Neurol 1991 Mar;33(3):246-56.

Nash RS, Davy MS, Orpwood R, Swain ID. Development of a wheelchair-mounted folding standing frame. J Biomed Eng 1990 May;12(3): 189-92.

Nelson VS, Leonard JA Jr, Fisher SV, Esquenazi A, Hicks JE. Prosthetics, orthotics, and assistive devices. 2. Specialized seating and assistive devices. Arch Phys Med Rehabil 1989 May;70(5-S):S202-5.

Neth DC, McGovern TF, Reger SI. Computer aided measurement and fabrication of contoured body supports. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 234-5.

Neth DC, McGovern TF, Reger SI, Kim Y, Spelman FA. Quantification of body shape for contoured support fabrication. In: Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 11th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1989 Nov 9-12; Seattle, WA. Vol. 5. Piscataway (NJ): IEEE; 1989. p. 1534-5.

Niesing R, Eijskoot F, Kranse R, den Ouden AH, Storm J, Veeger HE, van der Woude LH, Snijders CJ. Computer-controlled wheelchair ergometer. Med Biol Eng Comput 1990 Jul;28(4):329-38.

Odderson IR, Jaffe KM, Sleicher CA, Price R, Kropp RJ. Gel wheelchair cushions: a potential cold weather hazard. Arch Phys Med Rehabil 1991 Nov;72(12):1017-20.

Ohry A, Freidman A, Dvir Z. [A proposal: seating and sitting clinic]. Harefuah 1989 Jun 15;116(12): 647-8. (Heb).

Ojala J, Inoue K, Sasaki K, Takamo M. Development of an intelligent wheelchair using computer graphics animation and simulation. Comput Graph Forum 1991 Dec;10(4):285-95.

Park CA. Activity positioning and ischial tuberosity pressure: a pilot study. Am J Occup Ther 1992 Oct;46(10):904-9.

Patterson R, Gilsdorf P, Fisher S, Kim Y, Spelman FA. Seat forces as function of wheelchair back angle and foot rest height. In: Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 11th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1989 Nov 9-12; Seattle, WA. Vol. 5. Piscataway (NJ): IEEE; 1989. p. 1532-3.

Penn ND, Belfield PW, Young JB, Whitley AJ, Mulley GP, Mascie-Taylor BH. No more flat tyres: a trial of a tyre insert for wheelchairs. Clin Rehabil 1989 May;3(2):149-50.

Perkowski MA, Sarabi A, Schafer I. Application of orthogonal transforms in image processing. In: Northcon Conference Record; 1991 Oct 1-3; Portland, OR. Los Angeles: Electronic Conventions Management; 1991. p. 303-9.

Petter S. Mobility aids: motorized mobility. Nurs Stand 1989 Jul 8;3(41):37-8.

Plautz R, Timen B. Positioning can make the difference. Nursing Homes 1992 Jan-Feb;41(1): 30-3.

Plesko L. Heavy on the lightweights. Rx Homecare 1989 May;11(5):41-3.

Post KM. From the field: clinical notes on cushion prescription. Am J Occup Ther 1991 Jun;45(6): 559-62.

Powell RR. Performance comparisons among four different arm cycling systems. Int J Rehabil Res 1992;15(4):334-40.

Prasad RK, Aylor JH, Johnson BW. Fault tolerant motor drives for powered wheelchairs. In: The 22nd Southeastern Symposium on System Theory; 1990 Mar 11-13; Cookeville, TN. Los Alamitos (CA): IEEE Computer Society Press; 1990. p. 420-5.

Presperin J. Seating systems: the therapist and rehabilitation engineering team. Phys Occup Ther Pediatr 1990;10(2):11-45.

Prior SD. An electric wheelchair mounted robotic arm--a survey of potential users. J Med Eng Technol 1990 Jul-Aug;14(4):143-54.

Prior SD, Crochetiere WJ, Mahoney RM, Masanic C, Milner M, Goldenberg AA, Apkarian J. Special session 13: robotics invited papers. In: Capitalizing on technology: proceedings or the RESNA 13th annual conference; 1990 Jun 15-20; Washington, DC. Washington (DC): RESNA Press; 1990. p. 297-302.

Proper seating: a key to participation. Except Parent 1989 Mar;19(2):46-9.

Racz J, Wolczowski A. [Graphical simulation of movement control of automatic wheel chair]. Pr Nauk Inst Cybernetyki Tech Politech Wroclawsk 1990;37:189-95. (Pol).

Ragnarsson KT. Prescription considerations and a comparison of conventional and lightweight wheelchairs. J Rehabil Res Dev Clin Suppl 1990;(2):8-16.

Rao S, Kuc R, Buus S. INCH: an intelligent wheelchair prototype. In: Proceedings of the 15th Annual Northeast Bioengineering Conference; 1989 Mar 22-23; Troy, NY. New York: Pergamon Press; 1989. p. 35-6.

Rechargeable, deep-cycle, lead-acid batteries for powered wheelchair and scooter users. Health Devices 1991 Dec;20(12):474-94.

Reed RL, Yochum K, Schloss M. Platform motorized wheelchairs in congregate care centers: a survey of usage and safety. Arch Phys Med Rehabil 1993 Jan;74(1):101-3.

Rehabilitation R & D progress reports 1988. J Rehabil Res Dev 1989 Feb;25 Suppl:1-419.

Rehabilitation R&D progress reports 1989. J Rehabil Res Dev 1990 Feb;26 Suppl:1-509.

Rehabilitation R&D progress reports 1990. J Rehabil Res Dev 1991 Winter;28(1):1-535.

Rohmert W, Lowenthal I, Ruckert A. Ergonomic evaluation of a wheelchair for transfer of disabled passengers at a large airport. Int J Rehabil Res 1990;13(3):243-9.

Scott Taplin C, Smith M, McLaughlin J, Mathews T. The wheelchair simulator: powered wheelchair assessment and training. Can J Rehabil 1989 Fall;3(1):49-51.

Seeger BR. Wheelchair occupant restraints in motor vehicles. Prosthet Orthot Int 1991 Apr;15(1):51-4.

Shafik KT, Inigo RM, Schauer J, Kelso DP, Vanderheiden GC, Levine SP, Borenstein J, Koren Y, Verberg G, Naumann S, et al. Session 19: powered wheelchairs. In: Capitalizing on technology: proceedings of the RESNA 13th annual conference; 1990 Jun 15-20; Washington, DC. Washington (DC): RESNA Press; 1990. p. 189-200.

Shaw G. Wheelchair seat comfort for the institutionalized elderly. Assist Technol 1991;3(1):11-23.

Shaw G, Taylor SJ. A survey of wheelchair seating problems of the institutionalized elderly. Assist Technol 1991;3(1):5-10.

Smith D, Stanton K, Perkowski M. A distributed processor ensemble methodology for the PSUBOT. In: Northcon Conference Record; 1991 Oct 1-3; Portland, OR. Los Angeles: Electronic Conventions Management; 1991. p. 310-15.

Sprigle S, Chung KC, Brubaker CE. Factors affecting seat contour characteristics. J Rehabil Res Dev 1990 Spring;27(2):127-34.

Sprigle S, Chung KC, Brubaker CE. Reduction of sitting pressures with custom contoured cushions. J Rehabil Res Dev 1990 Spring;27(2):135-40.

Sprigle SH. Biomechanical analysis of contoured foam for use by spinal cord-injured persons [dissertation]. Charlottesville (VA): University of Virginia; 1989. 179 p.

Sprigle SH, Faisant TE, Chung KC. Clinical evaluation of custom-contoured cushions for the spinal cord injured. Arch Phys Med Rehabil 1990 Aug;71(9):655-8.

St-Georges M, Valiquette C, Drouin G. Computer-aided design in wheelchair seating. J Rehabil Res Dev 1989 Fall;26(4):23-30.

Stanton KB. PSUBOT: system overview and path planning. In: Northcon Conference Record; 1991 Oct 1-3; Portland, OR. Los Angeles: Electronic Conventions Management; 1991. p. 285-90.

Stanton KB, Sherman PR, Rohwedder ML, Fleskes CP, Gray DR, Minh DT, Espinoza C, Mayui D, Ishaque M, Perkowski MA, et al. PSUBOT-a voice-controlled wheelchair for the handicapped. In: Johnson RH, et al., eds. Proceedings of the 33rd Midwest Symposium on Circuits and Systems; 1990 Aug 12-14; Calgary, Alberta, Canada. Vol. 2. New York: IEEE; 1991. p. 669-72.

Stewart CP, Carus DA, Kerr G. Development of a universal wheelchair narrower. Prosthet Orthot Int 1989 Apr;13(1):39-41.

Stewart H, Noble G, Seeger BR. Isometric joystick: a study of control by adolescents and young adults with cerebral palsy. Aust Occup Ther J 1992 Mar; 39(1):33-9.

Sunderlin A. 7th annual survey of the lightweights. Sports Spokes 1989 Mar-Apr;14(6):30-2, 34-6 passim.

Sunderlin A. 8th annual survey of the lightweights. Sports Spokes 1990 Mar-Apr;15(6):24-6, 28-38 passim.

Taplin CS. Powered wheelchair control, assessment, and training. In: Technology for the next decade. RESNA '89: proceedings or the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 45-6.

Thornett CE. Designing special switches and control systems for multiply handicapped young people--a problem-led approach. J Med Eng Technol 1990 May-Jun;14(3):87-91.

Thornett CEE. Mobility for very young handicapped children. In: IEE Colloqium of High-Tech Help for the Handicapped; 1990 Apr 2, London (UK). London: IEE; 1990. p. 46.

Todd BA. Finite element analysis of the stress distribution within the seated and supine human buttocks [dissertation]. Charlottesville (VA): University of Virginia; 1992. 252 p.

Trail IA, Galasko CS. The Matrix seating system. J Bone Joint Surg [Br] 1990 Jul;72(4):666-9.

Trefler E, Taylor SJ. Prescription and positioning: evaluating the physically disabled individual for wheelchair seating. Prosthet Orthot Int 1991 Dec; 15(3):217-24.

Treherne IM. Autonomous mobile robots: an aid for the handicapped. In: IEE Colloqium of High-Tech Help for the Handicapped; 1990 Apr 2; London (UK). London: IEE; 1990. p. 46.

van der Woude L, Veeger HEJ, Rozendal RH, Koperdraat J, Drexhage D. Seat height in hand rim wheelchair propulsion. A follow up study. J Rehabil Sci 1990;3(3):79-83.

van der Woude LH, Veeger DJ, Rozendal RH, Sargeant TJ. Seat height in handrim wheelchair propulsion. J Rehabil Res Dev 1989 Fall;26(4):31-50.

van der Woude LH, Veeger HE, Rozendal RH. Propulsion technique in hand rim wheelchair ambulation. J Med Eng Technol 1989 Jan-Apr; 13(1-2):136-41.

van der Woude LH, Veeger HE, Rozendal RH, Sargeant AJ. Optimum cycle frequencies in hand-rim wheelchair propulsion. Wheelchair propulsion technique. Eur J Appl Physiol 1989;58(6):625-32.

van der Woude LHV, Veeger DJEJ, Rozendal RH. Ergonomics of wheelchair design: a prerequisite for optimum wheeling conditions. Adapt Phys Activ Q 1989 Apr;6(2):109-32.

van der Woude LHV, Veeger HEJ, Koperdraat J, Drexhage D. Design of a static wheelchair ergometer: preliminary results. In: Doll-Tepper G, Dahms C, Doll B, von Selzam H, eds. Adapted physical activity: an interdisciplinary approach. Proceedings of the 7th International Symposium; 1989 June; Berlin. New York: Springer-Verlag; 1990. p. 441-6.

Veeger D, van der Woude LH, Rozendal RH. The effect of rear wheel camber in manual wheelchair propulsion. J Rehabil Res Dev 1989 Spring;26(2): 37-46.

Veeger HE, Lute EM, Roeleveld K, van der Woude LH. Differences in performance between trained and untrained subjects during a 30-s sprint test in a wheelchair ergometer. Eur J Appl Physiol 1992; 64(2):158-64.

Veeger HE, van der Woude LH, Rozendal RH. A computerized wheelchair ergometer. Results of a comparison study. Scand J Rehabil Med 1992; 24(1):17-23.

Veeger HE, van der Woude LH, Rozendal RH. Effect of handrim velocity on mechanical efficiency in wheelchair propulsion. Med Sci Sports Exerc 1992 Jan;24(1):100-7.

Veeger HE, van der Woude LH, Rozendal RH. Wheelchair propulsion technique at different speeds. Scand J Rehabil Med 1989;21(4):197-203.

Veeger HE, van der Woude LH, Rozendal RH. Within-cycle characteristics of the wheelchair push in sprinting on a wheelchair ergometer. Med Sci Sports Exerc 1991 Feb;23(2):264-71.

Vos R, Goslett N, van Hoogstraten A, Fourie P. Albatros: an innovative low-cost wheelchair. Disabil Rehabil 1993 Jan-Mar;15(1):44-6.

Vosse A, Cooper R, Dhaliwal B, Ludovici A, Baldwin JD, Thacker JG, Baber TT, Aylor JH, Cooper RA, Kauzlarich JJ. Session 7: manual wheelchairs. Capitalizing on technology: proceedings of the RESNA 13th annual conference; 1990 Jun 15-20; Washington, DC. Washington (DC): RESNA Press; 1990. p. 59-68.

Wakaumi H, Nakamura K, Matsumura T. Development of an automated wheelchair guided by a magnetic ferrite marker lane. J Rehabil Res Dev 1992 Winter;29(1):27-34.

Wakaumi H, Nakamura K, Matsumura T. A new automated wheelchair guided by magnetic ferrite marker lane. NEC Res Dev 1989 Oct;95:62-8.

Wakaumi H, Nakamura K, Matsumura T, Yamauchi F. Automated wheelchair guided by magnetic ferrite marker. In: Technology for the next decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 47-8.

Warren CG. Powered mobility and its implications. J Rehabil Res Dev Clin Suppl 1990;(2):74-85.

Wheelchair use and safety [videocassette]. Austin (TX): Texas Department of Mental Health and Mental Retardation, Richmond State School, Staff Development; 1992. 1 videocassette: 11 min., sound, color, 1/2 in. Accompanied by: 1 guide.

White EA. Wheelchair stump boards and their use with lower limb amputees. Br J Occup Ther 1992 May;55(5):174-8.

Whitmyer JJ. Dual axis positioning in space system to reduce the effect of gravity on spinal curves. In: Technology for the next decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 167-8.

Wilson AB Jr, McFarland SR. Types of wheelchairs. J Rehabil Res Dev Clin Suppl 1990;(2):104-16.

Wolf LS, Massagli TL, Jaffe KM, Deitz J. Functional assessment of the Joncare Hi Lo Master power wheelchair for children. Phys Occup Ther Pediatr 1991;11(3):57-72.

Zimmerli F. [Cutting accurate pipe sections flexibly to length]. Z Wirtsch Fert Autom 1991 Jun;86(6): 553-5. (Ger).

Uses

-Geriatric applications

Bryan JA 2d. Hazards of wheelchairs [letter]. N C Med J 1990 Jan;51(1):58.

Burgio KL, Westley FP, Voss DJ. Increasing ambulation in elderly clients of an adult day care center. Clin Gerontol 1989;8(3):57-67.

Hartigan JD, Connolly TJ. Is "wheelchair wrist drop" a new syndrome to watch for? Geriatrics 1990 Jun; 45(6):63-5, 68, 71.

Portnoy FL, Richards C, Roberts R. Wheelchair karate. Geriatr Nurs (New York) 1989 Mar-Apr; 10(2):76-7.

Shaw G. Wheelchair seat comfort for the institutionalized elderly. Assist Technol 1991;3(1): 11-23.

Shaw G, Taylor SJ. A survey of wheelchair seating problems of the institutionalized elderly. Assist Technol 1991;3(1):5-10.

Smithers JA. A wheelchair society: the nursing home scene. J Aging Stud 1990 Fall;(4)3:261-75.

Specht J. Wheelchair clinic. J Gerontol Nurs 1992 May;18(5):47.

Vergauwen C, Drinka PJ, Larson P, Langer E. Lateral chest roentgenograms in debilitated nursing home residents. J Am Geriatr Soc 1990 Sep;38(9): 1023-4.

-Pediatric applications

Alexander MA, Demasco PW, Gilbert M, Miller LJ, Nelson MR, Shah A. Rehabilitation technology for disabled children. Phys Med Rehabil 1991 Jun; 5(2):365-87.

Amundson JS, Amundson SG. A joystick controlled wheelchair. Biomed Sci Instrum 1991;27:131-3.

Ashmead S, Hunting D. Tiller steering on wheelchairs for children and adults with unequal arm function. Physiotherapy 1990 Apr;76(4):262-3.

Bar OO, Ward DS, Smith K, Longmuir P. The use of rating of perceived exertion for exercise prescription in wheelchair bound children and young adults. Toronto: Ontario Ministry of Tourism and Recreation; 1989. 37 p.

Butler C. Augmentative mobility: why do it? Phys Med Rehabil Clin North Am 1991 Nov;2(4): 801-15.

Charney EB, Melchionni JB, Smith DR. Community ambulation by children with myelomeningocele and high-level paralysis. J Pediatr Orthop 1991 Sep-Oct;11(5):579-82.

Coelho AJ. A kinematic study of propulsive techniques used by junior wheelchair athletes [masters thesis]. Fresno (CA): California State University; 1990. 55 p.

Deitz J, Jaffe KM, Wolf LS, Massagli TL, Anson D. Pediatric power wheelchairs: evaluation of function in the home and school environments. Assist Technol 1991;3(1):24-31.

DiGaudio KM, Msall ME. Guidelines for safe transportation of children in wheelchairs. Am J Dis Child 1991 Jun;145(6):653-5.

Emmelot CH, van der Veldt J, Mengerink G. Independent operation of electrical wheelchair by severely disabled children. J Rehabil Sci 1992 Jun; 5(2):44-7.

Fife SE, Roxborough LA, Armstrong RW, Harris SR, Gregson JL, Field D. Development of a clinical measure of postural control for assessment of adaptive seating in children with neuromotor disabilities. Phys Ther 1991 Dec;71(12):981-93. Published erratum appears in Phys Ther 1992 Jan; 72(1):41.

Green EM, Nelham RL. Development of sitting ability, assessment of children with a motor handicap and prescription of appropriate seating systems. Prosthet Orthot Int 1991 Dec;15(3): 203-16.

Henke C. Funding to make the wheels turn round. 1990 wheelchair guide. Except Parent 1990 Mar; 20(2):8, 10-2.

Henke C. The mobility decision. 1990 wheelchair guide. Except Parent 1990 Mar;20(2):5-8.

Herman L, Herman B. Elena and her technology. Except Parent 1989 Oct;19(7):35-6.

Holt KS. Mobility aids and appliances for disabled children. BMJ 1991 Jan 12;302(6768):105-7.

Jones CK. In search of power for the pediatric client. Phys Occup Ther Pediatr 1990;10(2):47-68.

Kramer RA. Access to care for children and adolescents with disabilities. Conn Med 1990 Aug; 54(8):428-30.

Liptak GS, Shyrtleff DB, Bloss JW, Baltus-Hebert E, Manitta P. Mobility aids for children with high-level myelomeningocele: parapodium versus wheelchair. Dev Med Child Neurol 1992 Sep; 34(9):787-96.

Little J. Taking control of purchasing a wheelchair: tips for parents about mobility equipment. Except Parent 1991 Mar;21(2):36-8, 46, 50.

Luebben AJ, Young LJ. Retrofitting: an unnecessary expense. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference: 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 304-5.

Mader B, Hart LA, Bergin B. Social acknowledgements for children with disabilities: effects of service dogs. Child Dev 1989 Dec;60(6): 1529-34.

McEwen IR. Assistive positioning as a control parameter of social communicative interactions between students with profound multiple disabilities and classroom staff... including commentary by Palisano RJ with author response. Phys Ther 1992 Sep;72(9):634-47.

McMillen, PH. A survey of transport for children in wheelchairs. Br J Occup Ther 1992 May;55(5): 179-82.

O'Connell DG, Barnhart R, Parks L. Muscular endurance and wheelchair propulsion in children with cerebral palsy or myelomeningocele. Arch Phys Med Rehabil 1992 Aug;73(8):709-11.

Thom H. [Prevention of hip dislocation in children with spastic paralysis by using a specific therapeutic wheelchair]. Rehabilitation (Stuttg) 1991 Aug;30(3):109-15. (Ger).

van Ross E. Pushchairs. Prosthet Orthot Int 1991 Apr;15(1):46-50.

Wilson PE, Washington RL. Pediatric wheelchair athletics: sports injuries and prevention. Paraplegia 1993 May;31(5):330-7.

Wolf LS, Massagli TL, Jaffe KM, Deitz J. Functional assessment of the Joncare Hi Lo Master power wheelchair for children. Phys Occup Ther Pediatr 1991;11(3):57-72.

-Sports & recreation

Alexander MJL. Aspects of performance in wheelchair marathon racing. CAHPER J 1989 Jan-Feb;55(1):26-32.

Apple DF Jr. Dreams [editorial]. Paraplegia 1991 Nov;29(9):569.

Arnold W, Israel S, Richter H. Sport mit Rollstuhlfahrern. Leipzig (Germany): Barth; 1992. 207 p. (Ger).

Asken MJ. Sport psychology and the physically disabled athlete: interview with Michael D. Goodling, OTR/L. Sport Psychol 1989 Jun:166-76.

Axelson P, Castellano J. Take to the trails: everything you ever wanted to know about off road wheelchairs. Sports Spokes 1990 Jul-Aug;16(2): 20-4.

Banks LW. Heightening fan enjoyment: need a lift? An invention helps spectators in wheelchairs follow the action. Sports Illus 1991 Nov 25;75(23):28.

Bar OO, Ward DS, Smith K, Longmuir P. The use of rating of perceived exertion for exercise prescription in wheelchair bound children and young adults. Toronto: Ontario Ministry of Tourism and Recreation; 1989. 37 p.

Bernard PL, Chollet D, Peruchon E, Micallef JP. Spine contraints in the paraplegic patient. Sci Sports 1990;5(3):119-27.

Bhambhami YN, Holland LJ, Steadward RD. Anaerobic threshold in wheelchair athletes with cerebral palsy. Arch Phys Med Rehabil 1993 Mar; 74(3):305-11.

Bhambhani YN, Holland LJ, Steadward RD. Maximal aerobic power in cerebral palsied wheelchair athletes: validity and reliability. Arch Phys Med Rehabil 1992 Mar;73(3):246-52.

Bishop P. Prevention and care of injuries in wheelchair athletes. Palaestra 1990 Summer;6(4): 59-60.

Bishop P. Variables of wheelchair position for athletes with cerebral palsy and amputation. Palaestra 1990 Summer;6(4):59.

Boulley G. Field events for wheelchair athletes. In: Proceedings from the 3rd National Symposium for Coaches of Physically Disabled Athletes; 1989; Richmond, British Columbia, Canada. Edmonton (Canada): Canadian Federation of Sports Organizations for the Disabled; 1989. p. 7-9.

Brasile FM. Performance evaluation of wheelchair athletes: more than a disability classification level issue. Adapt Phys Activ Q 1990 Oct;7(4):289-97.

Brasile FM. Wheelchair sports: a new perspective on integration. Adapt Phys Activ Q 1990 Jan;7(1): 3-11.

Brasile FM, Hedrick BN. A comparison of participation incentives between adult and youth wheelchair basketball players. Palaestra 1991 Summer;7(4):40-6.

Brasile FM, Kleiber DA, Harnisch D. Analysis of participation incentives among athletes with and without disabilities. Ther Recreation J 1991 1st Q; 25(1):18-33.

Burnham RS, May L, Nelson E, Steadward R, Reid DC. Shoulder pain in wheelchair athletes. The role of muscle imbalance. Am J Sports Med 1993 Mar-Apr;21(2):238-42.

Cardus D, McTaggart WG, Ribas-Cardus F, Donovan WH. Energy requirements of gamefield exercises designed for wheelchair-bound persons. Arch Phys Med Rehabil 1989 Feb;70(2):124-7.

Carhill ME. Brad & Wendy Parks: making the dream come true. Sports Spokes 1991 May-Jun;17(1): 42-5.

Carlson L. Promoting sports for young amputees. Physician Sportsmed 1991 Jun;19(6):17-8.

Clark P. Special report: pushing a racing chair. Sports Spokes 1989 Nov-Dec;15(4):18-9.

Coelho AJ. A kinematic study of propulsive techniques used by junior wheelchair athletes [masters thesis]. Fresno (CA): California State University; 1990. 55 p.

Colino S. To climb every mountain: these wheelchairs are designed to put disabled athletes on trails once reserved for off-road vehicles. Sports Illus 1992 May 4;76(17):6, 10.

Cooper RA. Analysis of wheelchair track performances [letter]. Med Sci Sports Exerc 1989 Apr;21(2):235-6.

Cooper RA. The contribution of selected anthropometric and physiological variables to 10K performance of wheelchair racers: a preliminary study. J Rehabil Res Dev 1992 Summer;29(3): 29-34.

Cooper RA. An exploratory study of racing wheelchair propulsion dynamics. Adapt Phys Activ Q 1990 Jan;7(1):74-85.

Cooper RA. Force/energy optimization model for wheelchair athletics. IEEE Trans Syst Man Cybern 1990 Mar-Apr;20(2):444-9.

Cooper RA. High-tech wheelchairs gain the competitive edge. IEEE Eng Med Biol 1991 Dec; 10(4):49-55.

Cooper RA. An international track wheelchair with a center of gravity directional controller. J Rehabil Res Dev 1989 Spring;26(2):63-70.

Cooper RA. A new racing wheelchair front wheel mounting mechanism. Palaestra 1990 Fall;6(5): 30-2.

Cooper RA. Racing wheelchair crown compensation. J Rehabil Res Dev 1989 Winter;26(1):25-32.

Cooper RA. Racing wheelchair rear wheel alignment. J Rehabil Res Dev 1989 Winter;26(1):47-50.

Cooper RA. System identification of human performance models. IEEE Trans Syst Man Cybern 1991 Jan-Feb;21(1):244-52.

Cooper RA. System identification of human performance parameters for competitive wheelchair design [dissertation]. Santa Barbara (CA): University of California, Santa Barbara; 1989. 261 p.

Cooper RA. A systems approach to the modeling of racing wheelchair propulsion. J Rehabil Res Dev 1990 Spring;27(2):151-62.

Cooper RA. Technology and wheelchair sports. Newsl Natl Wheelchair Athlet Assoc 1990 Fall: 17-8.

Cooper RA. Wheelchair racing sports science: a review. J Rehabil Res Dev 1990 Summer;27(3): 295-312.

Cooper RA, Horvath SM, Bedi JF, Drechsler-Parks DM, Williams RE. Maximal exercise response of paraplegic wheelchair road racers. Paraplegia 1992 Aug;30(8):573-81.

Cooper RA, MacLeish M. Racing wheelchair roll stability while turning: a simple model. J Rehabil Res Dev 1992 Spring;29(2):23-30.

Coopoo Y, Du Toit SF. Endurance training of a wheel chair athlete: a case study. S Afr J Res Sport Phys Ed Recreat 1989;12(2):1-6.

Corbbett JJ. Principles and practices for championship performances in wheelchair track events. In: Grosse S, ed. Sport instruction for individuals with disabilities: the best of practical pointers. Reston (VA): American Alliance for Health, Physical Education, Recreation and Dance; 1991. p. 144-65.

Corporate commitment: 10th National Veterans Wheelchair Games. Paraplegia News 1990 May; 44(5):50-6.

Coutts KD. Dynamic characteristics of a sport wheelchair. J Rehabil Res Dev 1991 Summer; 28(3):45-50.

Coutts KD. Dynamics of wheelchair basketball. Med Sci Sports Exerc 1992 Feb;24(2):231-4.

Coutts KD. Kinematics of sport wheelchair propulsion. J Rehabil Res Dev 1990 Winter;27(1): 21-6.

Coutts KD. Peak oxygen uptake of elite wheelchair athletes. Adapt Phys Activ Q 1990 Jan;7(1):62-6.

Cox RH, Davis RW. Psychological skills of elite wheelchair athletes. Palaestra 1992 Spring;8(3): 16-21.

Crase N. Behind the banner: PVA and S'nS work together to promote sports and recreation for the wheeler. Sports Spokes 1989 Mar-Apr;14(6):77-9.

Crase N. The impulse. Sports Spokes 1989 Jul-Aug; 15(2):29-30, 32-3.

Craven PL. The development from a medical classification to a player classification in wheelchair basketball. In: Doll-Tepper G, Dahms C, Doll B, von Selzam H, eds. Adapted physical activity: an interdisciplinary approach. Proceedings of the 7th International Symposium; 1989 Jun; Berlin. New York: Springer-Verlag; 1990. p. 81-6.

Crocker P, Bouffard M. Coping and participation of physically disabled adults in physical activity. CAHPER J 1990 Nov-Dec;56(6):28-33.

Curtis KA. Sport specific functional classification for wheelchair athletes. Sports Spokes 1991 Jul-Aug: 45-8.

Davis GM, Shephard RJ. Strength training for wheelchair users. Br J Sports Med 1990 Mar; 24(1):25-30.

Davis R, Gehlsen G, Wilkerson JD. Biomechanical analysis of class II cerebral palsied wheelchair athletes. Adapt Phys Activ Q 1990;7(1):52-61.

Desonai A, DePotter JC, Levarlet JH. Research on the optimal rotation velocity by adjustment of the tennis wheelchair. In: Doll-Tepper G, Dahms C, Doll B, von Selzam H, eds. Adapted physical activity: an interdisciplinary approach. Proceedings of the 7th International Symposium; 1989 Jun; Berlin. New York: Springer-Verlag; 1990. p. 453-61.

Directory of national recreation organizations. Except Parent 1991 Oct-Nov;21(7):44.

Eriksson P. Testing methods of wheelchair athletes. In: Proceedings from a National Symposium for Coaches of Physically Disabled Athletes, Edmonton, Alberta. Gloucester (ON): Canadian Federation of Sports Organizations for Disabled; University of Alberta; 1989. p. 41-8.

Fabbri P. You just can't keep Chuck down: paralyzed by spina bifida, Chuck Roedelbronn is a world champion wheelchair weightlifter. Sports Illus (SI Sel Ed) 1991 Jul 3;74(21):12.

Factor E. The turtle: new wheelchair tracks on sand and snow. Except Parent 1989 May-Jun;19(4): 52-3.

Fallon K. The disabled athlete. In: Bloomfield J, et al., eds. Textbook of science and medicine in sport. Melbourne (Australia): Blackwell; 1992. p. 488-511.

Ferrara MS, Davis RW. Injuries to elite wheelchair athletes. Paraplegia 1990 Jun;28(5):335-41.

Ferstle J, Stewart P. Wheelchair road racing guidelines. Road Race Manage 1989 Oct;93:1,6-7.

Flaherty BP, Robinson CJ, Langbein WE, Kim Y, Spelman FA. Interactive video games and real time displays for the wheelchair aerobic fitness trainer. In: Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 11th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1989 Nov 9-12; Seattle, WA. Vol. 6. Piscataway (NJ): IEEE; 1989. p. 1735-6.

Forde J. Dancing on wheels. Nurs Times 1989 Aug 16-22;85(33):52-3.

Gayle GW, Pohlman RL, Glaser RM, Davis GM. Cardiorespiratory and perceptual responses to arm crank and wheelchair exercise using various handrims in male paraplegics. Res Q Exerc Sport 1990 Sep;61(3):224-32.

Gehlsen GM, Karpuk J. Analysis of the NWAA swimming classification system. Adapt Phys Activ Q 1992 Apr;9(2):141-7.

Glaser RM. Arm exercise training for wheelchair users. Med Sci Sports Exerc 1989 Oct;21(5 Suppl): S149-57.

Glaser RM, Davis GM. Wheelchair dependent individuals. In: Franklin BA, et al., eds. Exercise in modern medicine. Baltimore: Williams & Wilkins; 1989. p. 237-67.

Glickman S, Wachtel L. Scotball: a new game for rehabilitation, leisure and integrated recreation. Physiotherapy 1992 Jan;78(1):27-8.

Greenwood CM, Dzewaltowski DA. Self efficacy and psychological well being of wheelchair tennis participants and wheelchair nontennis participants. Adapt Phys Activ Q 1990;7(1):12-21.

Hedrick B, Byrnes D, Shaver L. Wheelchair basketball. Washington (DC): Paralyzed Veterans of America; 1989. 145 p.

Hedrick B, Hedrick S. Women's wheelchair basketball. In: Hult JS, Trekell M, eds. A century of women's basketball: from frailty to final four. Reston (VA): American Alliance for Health, Physical Education, Recreation and Dance; 1991. p. 367-78.

Hedrick B, Morse M. Getting the most from roller training. Sports Spokes 1991 Mar-Apr;16(6):81-2.

Hedrick B, Morse MI. Guidelines for the administration of a wheelchair roadrace division. Urbana (IL): University of Illinois; 1989. 19 p.

Hedrick B, Wang YT, Moeinzadeh M, Adrian M. Aerodynamic positioning and performance in wheelchair racing. Adapt Phys Activ Q 1990;7(1): 41-51.

Hester R, Parks B. Teaching tennis to students with disabilities. In: Grosse S, ed. Sport instruction for individuals with disabilities: the best of practical pointers. Reston (VA): American Alliance for Health, Physical Education, Recreation and Dance; 1991. p. 202-16.

Higgs C. Wheelchair racquetball: a preliminary time motion analysis. Adapt Phys Activ Q 1990 Oct; 7(4):370-4.

Higgs C. Wheeling in the wind: the effect of wind velocity and direction on the aerodynamic drag of wheelchairs. Adapt Phys Activ Q 1992 Jan;9(1): 74-87.

Higgs C, Babstock P, Buck J, Parsons C, Brewer J. Wheelchair classification for track and field events: a performance approach. Adapt Phys Activ Q 1990;7(1):22-40.

Hoeberigs JH, Debets-Eggen HB, Debets PM. Sports medical experiences from the International Flower Marathon for disabled wheelers. Am J Sports Med 1990 Jul-Aug;18(4):418-21.

Hooker SP, Wells CL. Aerobic power of competitive paraplegic road racers. Paraplegia 1992 Jun;30(6): 428-36.

Hooper E. Quad rugby: the chance to compete. Sports Spokes 1991 Mar-Apr;16(6):70-1.

Horvat M, Roswal G, Jacobs D, Gaunt S. Selected psychological comparisons of able bodied and disabled athletes. Phys Educ 1989;46:202-8.

Huber JH. Equity and safety in sport: a case study. Palaestra 1989 Spring;5(3):64.

Huber JH. Instructing college students in use of wheelchair and prosthetics. Palaestra 1989 Winter; 5(2):41-6.

Hunt SB. Relationships between meanings of work and meanings of leisure among wheelchair (basketball) athletes. Annu Ther Recreat 1991;2: 69-77.

Hunt SL, Lykins RJ. Sports editors perceptions of their coverage and portrayal of wheelchair athletes and wheelchair sports. Palaestra 1990 Summer; 6(4):24-6.

Hutzler Y. Motor control modalities of manually propelled wheelchairs and their application in wheelchair sports. In: Tenenbaum G, Eiger D, eds. Coach education: proceedings of the Maccabiah-Wingate International Congress; 1989; Wingate Institute, Netanya, Israel. [Israel?]: The Emmanuel Gill Publishing House; 1991. p. 91-102.

Ibusuki T, Kondo T, Soya H, Yagi H. Physiological characteristics of wheelchair basketball players. In: Kaneko M, ed. Fitness for the aged, disabled, and industrial worker. Champaign (IL): Human Kinetics Publishers; 1990. p. 164-8.

Jacobs D. A comparison between the psychological profiles of wheelchair athletes, wheelchair nonathletes, and able bodied athletes. Palaestra 1989 Spring;5(3):12.

Jacobs DP, Roswal GM, Horuat MA, Gorman DR. A comparison between the psychological profiles of wheelchair athletes, wheelchair nonathletes, and able bodied athletes. In: Doll-Tepper G, Dahms C, Doll B, von Selzam H, eds. Adapted physical activity: an interdisciplinary approach. Proceedings of the 7th International Symposium; 1989 Jun; Berlin. New York: Springer-Verlag; 1990. p. 75-9.

Johnstone KS, Perrin JCS. Sports for the handicapped child. Phys Med Rehabil 1991 Jun;5(2):331-50.

Kelley LE. Wheelchairs and assistive devices. In: Winnick JP, ed. Adapted physical education and sport. Champaign (IL): Human Kinetics Publ.; 1990. p. 109-20.

Knaus RL. Physiological and psychological benefits of exercise for athletes with disabilities: an interview with Gerorge Murray. J Osteopath Sports Med 1989 Nov;3(4):25-7.

Knudson GA. The effect of a wheelchair sports presentation on modifying attitudes of junior high school students toward physically disabled persons [master's thesis]. Vancouver (BC): University of British Columbia; 1990.

Kobayashi M, Hirano T, Fukunaga T. Evaluation of physical fitness in paraplegic wheelchair basketball players. In: Kaneko M, ed. Fitness for the aged, disabled, and industrial worker. Champaign (IL): Human Kinetics Publishers; 1990. p. 160-3.

Kober G. Practical experience in paraplegic wheelchair sports. Rehabil GDR 1990;29(4):232-5.

Kuhn W, Deville A. Winter sports for wheelchair users. In: Doll-Tepper G, Dahms C, Doll B, von Selzam H, eds. Adapted physical activity: an interdisciplinary approach. Proceedings of the 7th International Symposium; 1989 Jun; Berlin. New York: Springer-Verlag; 1990. p. 115-8.

Lasko-McCarthey P, Davis JA. Effect of work rate increment on peak oxygen uptake during wheelchair ergometry in men with quadriplegia. Eur J Appl Physiol 1991;63(5):349-53.

Lasko-McCarthey P, Davis JA. Protocol dependency of VO(2max) during arm cycle ergometry in males with quadriplegia. Med Sci Sports Exerc 1991; 23(9):1097-1101.

Lee K. Coaching athletes in wheelchairs. Sports Coach 1990 Jul-Sep;13(3):32-4.

Longo P. Chair golf. Good golf can be played from any position. Some just take a little longer. Sports Spokes 1989 Jul-Aug;15(2):35-8.

Madorsky JG, Scanlon JR, Smith B. Kung-Fu: synthesis of wheelchair sport and self-protection. Arch Phys Med Rehabil 1989 Jun;70(6):490-2.

Martinez SF. Medical concerns among wheelchair road racers. Physician Sportsmed 1989 Feb;17(2): 63-6, 68.

Mathews P, Wu M. Choosing a sports or sports style wheelchair. Indep Living 1991 Autumn;7(2):10-7.

McCormack DA, Reid DC, Steadward RD, Styrotuik DG. Injury profiles in wheelchair athletes: results of a retrospective survey. Clin J Sport Med 1991; 1(1):35-40.

McDonald M, Neal R, Abernethy P. Biomechanical analysis of wheelchair propulsion. Queensland (Australia): Sporting, Wheelies and Disabled and Recreation Association of Queensland; 1989. 54 p.

Milner J. Wheelchair sports: Canada leading the way. Rehabil Dig 1990 Summer;21(2):8-10.

Moore K. Hell on wheels. Craig Blanchette, the world recorder holder in the wheelchair mile, has lifted his demanding sport to a new level. Sports Illus 1989 Jul 17;71(3):44-6, 48, 50.

Myers S. Wheelchair tennis : pushing it to the limit. Tennis Aust Asia Pac 1991 May;16(5):40-1, 43.

Nadeau M, Leveille P, Quessy M, Royer D. The mechanical power output of world class wheelchair athletes. In: Doll-Tepper G, Dahms C, Doll B, von Selzam H, eds. Adapted physical activity: an interdisciplinary approach. Proceedings of the 7th International Symposium; 1989 Jun; Berlin. New York: Springer-Verlag; 1990. p. 87-91.

Narol M. Softball coaches in wheelchairs? Yes and no. Referee 1989 Mar;14(3):62-3.

Nause M. Getting fit is fun. Abilities 1990 Summer; 1(4):10-1.

1989 National Wheelchair Games qualifying meets and standards. Sports Spokes 1989 Mar-Apr;14(6): 13-7.

Noden M. The athletes were on a roll in New Orleans: the 10th National Veterans Wheelchair Games were a display of courage and skill. Sports Illus 1990 Sep 10;73(11):12, 15, 17.

Official rulebook of the National Wheelchair Athletic Association. Colorado Springs (CO): National Wheelchair Athletic Association; 1990.

Okuma H, Ogata H, Hatada K. Transition of physical fitness in wheelchair marathon competitors over several years. Paraplegia 1989 Jun;27(3):237-43.

Parmelly C. Wheelchair tennis. In: Proceedings from the 3rd National Symposium for Coaches of Physically Disabled Athletes, Richmond, B.C., 1989. Edmonton (Canada): Canadian Federation of Sports Organizations for Disabled; University of Alberta; 1989. p. 1-6.

Paulsen P, French R, Sherrill C. Comparison of mood states of college able-bodied and wheelchair basketball players. Percept Mot Skills 1991 Oct; 73(2):396-8.

Paulsen P, French R, Sherrill C. Comparison of wheelchair athletes and nonathletes on selected mood states. Percept Mot Skills 1990 Dec; 71(3 Pt 2):1160-2.

Platt R. Wait until dark? Considerations on how long the race course should remain open. Road Race Manage 1990 Sep;104:4-6.

Pohlman RL, Gayle GW, Davis GM, Glaser RM. Metabolic responses to maximal arm crank and wheelchair ergometry in male paraplegics. Clin Kinesiol 1989;43(4):89-95.

Porretta DL. Cerebral palsy, amputations, and other orthopedic impairments. In: Winnick JP, ed. Adapted physical education and sport. Champaign (IL): Human Kinetics Publ.; 1990. p. 229-50.

Portnoy FL, Richards C, Roberts R. Wheelchair karate. Geriatr Nurs (New York) 1989 Mar-Apr; 10(2):76-7.

Principles and practices for championship performances in wheelchair field events. In: Grosse S, ed. Sport instruction for individuals with disabilities: the best of practical pointers. Reston (VA): American Alliance for Health, Physical Education, Recreation and Dance; 1991. p. 124-43.

Proceedings from a National Wheelchair Basketball Symposium for Coaches, Athletes and Officials. Edmonton (Canada): University of Alberta, Rick Hansen Centre; 1990. 97 p.

Reach for the stars [videocassette]. Alder D, producer. Vancouver (Canada): Mad Max Music; 1989. 1 videocassette: 22 min., sound, color, 1/2 in.

Reid M, Lawrie AT, Hunter J, Warren PM. The effect of steering on the physiological energy cost of wheelchair propulsion. Scand J Rehabil Med 1990;22(3):139-43.

Responses to maximal exercise in male paraplegics. Palaestra 1990 Fall;6(4):57-8.

Robbins S. The Edge. Sports Spokes 1990 Jul-Aug; 16(2):16-9.

Robbins S. 9th annual survey of the lightweights... or, how to solve the puzzle and find the right chair for you. Sports Spokes 1991 Mar-Apr;16(6):22-50.

Robbins S. Video roundup. A guide to the latest videotapes on wheelchair sports, recreation, and fitness. Sports Spokes 1990 Nov-Dec;16(4):30-4, 36-7.

Ross CT. Illinois: court orders more study on handicapped athlete's ability to compete. Sports Courts 1990;11(1):4-5.

Schaefer RS, Proffer DS. Sports medicine for wheelchair athletes. Am Fam Physician 1989 May; 39(5):239-45.

Shake, rattle & roll: wheelchair dancing [videocassette]. Greenville (NC): East Carolina University, Center for Health Sciences Audiovisual Communication; 1989. 1 videocassette: sound, color, 1/2 in.

Shephard RJ. Fitness in special populations. Champaign (IL): Human Kinetics Publishers; 1990. 350 p.

Sherrill C, Hinson M, Gench B, Kennedy SO, et al. Self concepts of disabled youth athletes. Percept Mot Skills 1990 Jun;70(3 Pt 2):1093-8.

Sherrill C, Silliman L, Gench B, Hinson M. Self-actualisation of elite wheelchair athletes. Paraplegia 1990 May;28(4):252-60.

Shuster DB, Britell CW. Disabling pain and injury in road racers who use wheelchairs. In: Tenenbaum G, Eiger D, eds. Coach education. Proceedings of the Maccabiah-Wingate International Congress on Sport & Coaching; Wingate Institute, Netanya, Israel; 1989. Netanya (Israel): The Emmanuel Gill Publishing House; 1991. p. 103-13.

Silliman LM, Sherrill C. Self actualization of wheelchair athletes. Clin Kinesiol 1989 Jul-Sep; 43(3):77-82.

Smith R, Owen E. Wheelchair basketball: individual skills and drills. In: Grosse S, ed. Sport instruction for individuals with disabilities: the best of practical pointers. Reston (VA): American Alliance for Health, Physical Education, Recreation and Dance; 1991. p. 34-56.

Sport instruction for individuals with disabilities. The best of practical pointers. Reston (VA): American Alliance for Health, Physical Education, Recreation and Dance; 1991. 321 p.

Steadward RD, Walsh CM, Gervais P. A kinematic analysis of wheelchair propulsion. In: Doll-Tepper G, Dahms C, Doll B, von Selzam H, eds. Adapted physical activity: an interdisciplinary approach. Proceedings of the 7th International Symposium; 1989 Jun; Berlin. New York: Springer-Verlag; 1990. p. 93-9.

Stombaugh B, Miller BB. Assisting the wheelchair swimmer to enjoy the wave pool experience. Natl Aquat J 1990 Spring;6(1):6-8.

Strohkendl H. Classification for wheelchair table tennis. Palaestra 1989 Spring;5(3):49-52.

Sunderlin A. 7th annual survey of the lightweights. Sports Spokes 1989 Mar-Apr;14(6):30-2, 34-6 passim.

Sunderlin A. 8th annual survey of the lightweights. Sports Spokes 1990 Mar-Apr;15(6):24-6, 28-38 passim.

Thevenin Lemoine E, Le Nouvel P, Silber J. Le marathon en fauteuil [Wheelchair marathon]. Cinesiologie (Paris) 1989 Nov-Dec;128:350-2 (Fre).

Thiboutot T, Curtis K. NWBA classification: the player, coach, and classifier perspectives. Sports Spokes 1990 May-Jun;16(1):46-7.

Vanlerberghe JOC, Gysemans L. Table tennis for wheelchair users. In: Doll-Tepper G, Dahms C, Doll B, von Selzam H, eds. Adapted physical activity: an interdisciplinary approach. Proceedings of the 7th International Symposium; 1989 Jun 25-30; Berlin. New York: Springer-Verlag; 1990. p. 109-14.

Veeger HE, Hadj Yahmed M, van der Woude LH, Charpentier P. Peak oxygen uptake and maximal power output of Olympic wheelchair-dependent athletes. Med Sci Sports Exerc 1991 Oct;23(10): 1201-9.

Veeger HE, van der Woude LH, Rozendal RH. Effect of handrim velocity on mechanical efficiency in wheelchair propulsion. Med Sci Sports Exerc 1992 Jan;24(1):100-7.

Veeger HE, van der Woude LH, Rozendal RH. Wheelchair propulsion technique at different speeds. Scand J Rehabil Med 1989;21(4):197-203.

Veeger HE, van der Woude LH, Rozendal RH. Within-cycle characteristics of the wheelchair push in sprinting on a wheelchair ergometer. Med Sci Sports Exerc 1991 Feb;23(2):264-71.

Viger A. Wheelchair track & road racing. In: Proceedings from the 3rd National Symposium for Coaches of Physically Disabled Athletes; 1989; Richmond, British Columbia, Canada. Edmonton (Canada): Canadian Federation of Sports Organizations for Disabled: University of Alberta; 1989. p. 87-9.

Wang YT. Relationship between kinematic factors and muscle activity during wheelchair propulsion [dissertation]. Champaign (IL): University of Illinois at Urbana-Champaign; 1991. 238 p.

Watanabe KT, Cooper RA, Vosse AJ, Baldwin FD, Robertson RN. Training practices of athletes who participated in the National Wheelchair Athletic Association training camps. Adapt Phys Activ Q 1992 Jul;9(3):249-60.

Weege RD. Technical and physical aspects as a prerequisite for successful wheelchair sports. In: Doll-Tepper G, Dahms C, Doll B, von Selzam H, eds. Adapted physical activity: an interdisciplinary approach. Proceedings of the 7th International Symposium; 1989 Jun; Berlin. New York: Springer-Verlag; 1990. p. 447-51.

Wells CL, Hooker SP. The spinal injured athlete. Adapt Phys Activ Q 1990 Jul;7(3):265-85.

Wheelchair propulsion by class II athletes with cerebral palsy: a quantitative look. Palaestra 1991 Spring; 7(3):12.

Wilbee B. People in sports: Jim Martinson. What it's all about. Sports Spokes 1991 Mar-Apr;16(6):16-9.

Williams R. Pulling no punches. Memory of an incident with a wheelchair reveals just how much we've changed in our perceptions of the disabled. Running Times 1990 Sep;164:28-9.

Wilson PE, Washington RL. Pediatric wheelchair athletics: sports injuries and prevention. Paraplegia 1993 May;31(5):330-7.

Zoerink DA. Exploring sport socialization environments of persons with orthopedic disabilities. Palaestra 1992 Spring;8(3):38-44.

Clinical Assessment & Effectiveness

Abdel-Moty E, Khalil TM. Computer-aided design and analysis of the sitting workplace for the disabled. Int Disabil Stud 1991 Oct-Dec;13(4): 121-4.

Arnold ME, Penn B. Expert systems and occupational therapy. Br J Occup Ther 1990 Sep;53(9):365-8.

Bailey DM, DeFelice T. Evaluating movement for switch use in an adult with severe physical and cognitive impairments. Am J Occup Ther 1991 Jan;45(1):76-9.

Barbenel JC. Pressure management. Prosthet Orthot Int 1991 Dec;15(3):225-31.

Bergen AF. The prescriptive wheelchair: an orthotic device. In: O'Sullivan SB, Schmitz TJ. Physical rehabilitation: assessment and treatment. 2nd ed. Philadelphia: F.A. Davis; 1988. p. 615-28.

Blocker WP Jr. How to help your patient choose the right wheelchair. Postgrad Med 1990 Oct;88(5): 243, 246, 251-2.

Britell CW. Wheelchair prescription. In: Kottke FJ, Lehman JF. Krusen's handbook of physical medicine and rehabilitation. 4th ed. Philadelphia: Saunders; 1990. p. 548-63.

Canale I, Felici F, Marchetti M, Ricci B. Ramp length/grade prescriptions for wheelchair dependent individuals. Paraplegia 1991 Sep;29(7):479-85.

Choosing a wheelchair system. J Rehabil Res Dev Clin Suppl 1990;(2):1-116.

Cornall C. Self propelling wheelchairs: The effects on spasticity in hemiplegic patients. Physiother Theory Pract 1991;7(1):13-21.

Crenshaw RP, Vistnes LM. A decade of pressure sore research: 1977-1987. J Rehabil Res Dev 1989 Winter;26(1):63-74.

Cupo M. Application of rehabilitation engineering for a bilateral hemipelvectomy amputee with chronic sacral decubitus ulcers. Clin Kinesiol 1991 Spring; 45(1):22-5.

Davis GM, Shephard RJ. Strength training for wheelchair users. Br J Sports Med 1990 Mar; 24(1):25-30.

Franklin BA, Swantek KI, Grais SL, Johnstone KS, Gordon S, Timmis GC. Field test estimation of maximal oxygen consumption in wheelchair users. Arch Phys Med Rehabil 1990 Jul;71(8):574-8.

Gordon J, Kauzlarich JJ, Thacker JG. Tests of two new polyurethane foam wheelchair tires. J Rehabil Res Dev 1989 Winter;26(1):33-46.

Krome RL. Electric wheelchair precautions [letter]. J Emerg Med 1991 Nov-Dec;9(6):511.

Martin GM, Gamble GL. Prescription writing in physical medicine and rehabilitation. In: Kottke FJ, Lehman JF. Krusen's handbook of physical medicine and rehabilitation. 4th ed. Philadelphia: Saunders; 1990. p. 647-55.

McMahon M, Dudley NJ. General practitioners and wheelchair prescribing. Br J Occup Ther 1992 May;55(5):183-5.

Norrgard L, Crimaldi E, Wylde M. AARP product report on manual wheelchairs. Washington (DC): American Association of Retired Persons; 1992.

Paquet JB. Wheelchair prescription. Clin Manage 1991 May-Jun;11(3):32-6.

Prosthetics Research and Development Center (US). Office of Technology Transfer. Choosing a wheelchair system. Washington (DC): Dept. of Veterans Affairs, Veterans Health Services and Research Administration, Rehabilitation Research and Development Service, Prosthetics Research and Development Center, Office of Technology Transfer; 1990 Mar. 118 p. (Journal of rehabiliation research and development; clinical supplement no. 2).

Todd BA. Finite element analysis of the stress distribution within the seated and supine human buttocks [dissertation]. Charlottesville (VA): University of Virginia; 1992. 252 p.

Trefler E, Taylor SJ. Prescription and positioning: evaluating the physically disabled individual for wheelchair seating. Prosthet Orthot Int 1991 Dec; 15(3):217-24.

van Oers CAJM, van der Woude LHV, Roebroeck ME, Rozendal RH. A failure diary for hand-propelled wheelchairs. J Rehabil Sci 1991 Dec;4(4):123-33.

Webster JS, Cottam G, Gouvier WD, Blanton P, Beissel GF, Wofford J. Wheelchair obstacle course performance in right cerebral vascular accident victims. J Clin Exp Neuropsychol 1989 Mar;11(2):295-310.

Werner R, Waring W, Davidoff G. Risk factors for median mononeuropathy of the wrist in postpoliomyelitis patients. Arch Phys Med Rehabil 1989 Jun;70(6):464-7.

White GW, Mathews RM, Fawcett SB. Reducing risk of pressure sores: effects of watch prompts and alarm avoidance on wheelchair push-ups. J Appl Behav Anal 1989 Fall;22(3):287-95.

Wilson AB Jr. How to select and use manual wheelchairs. Topping (VA): Rehabilitation Press; 1992. 67 p.

Wilson AB Jr. Wheelchairs: a prescription guide. 2nd ed. New York: Demos Publications; 1992. 96 p.

Wolf LS, Massagli TL, Jaffe KM, Deitz J. Functional assessment of the Joncare Hi Lo Master power wheelchair for children. Phys Occup Ther Pediatr 1991;11(3):57-72.

Adverse Effects

Barbenel JC. Pressure management. Prosthet Orthot Int 1991 Dec;15(3):225-31.

Bryan JA 2d. Hazards of wheelchairs [letter]. N C Med J 1990 Jan;51(1):58.

Calder CJ, Kirby RL. Fatal wheelchair-related accidents in the United States. Am J Phys Med Rehabil 1990 Aug;69(4):184-90.

Chariots of fear: wheelchair-related accidents [editorial]. Lancet 1992 Nov 21;340(8830):1263.

Crenshaw RP, Vistnes LM. A decade of pressure sore research: 1977-1987. J Rehabil Res Dev 1989 Winter;26(1):63-74.

Ernest M. Avoidable injuries [letter]. Can Med Assoc J 1993 Mar 1;148(5):716.

Gray B, Hsu JD, Furumasu J. Fractures caused by falling from a wheelchair in patients with neuromuscular disease. Dev Med Child Neurol 1992 Jul;34(7):589-92.

Hartigan JD, Connolly TJ. Is "wheelchair wrist drop" a new syndrome to watch for? Geriatrics 1990 Jun;45(6):63-5, 68, 71.

Krome RL. Electric wheelchair precautions [letter]. J Emerg Med 1991 Nov-Dec;9(6):511.

Odderson IR, Jaffe KM, Sleicher CA, Price R, Kropp RJ. Gel wheelchair cushions: a potential cold weather hazard. Arch Phys Med Rehabil 1991 Nov;72(12):1017-20.

van Oers CAJM, van der Woude LHV, Roebroeck ME, Rozendal RH. A failure diary for hand-propelled wheelchairs. J Rehabil Sci 1991 Dec;4(4):123-33.

White GW, Mathews RM, Fawcett SB. Reducing risk of pressure sores: effects of watch prompts and alarm avoidance on wheelchair push-ups. J Appl Behav Anal 1989 Fall;22(3):287-95.

WALKERS

Ambulation aids. Health Devices 1991 Jan;20(1):5-22.

Ball NA, Stempien LM, Pasupuleti DV, Wertsch JJ. Radial nerve palsy: a complication of walker usage. Arch Phys Med Rehabil 1989 Mar;70(3):236-8.

Banta JV, Bell KJ, Muik EA, Fezio J. Parawalker: energy cost of walking. Eur J Pediatr Surg 1991 Dec;1 Suppl 1:7-10.

Berko VG, Tomchuk VN, Shevchuk VI, Kisil' IIu. [A device used in early rehabilitation of invalids with amputation defects of 4 extremities]. Ortop Travmatol Protez 1989 Feb;(2):59-60. (Rus).

Cahan LD, Adams JM, Perry J, Beeler LM. Instrumented gait analysis after selective dorsal rhizotomy. Dev Med Child Neurol 1990 Dec;32(12):1037-43.

Caring for people at home. Aids to walking. Aust Fam Physician 1989 Jul;18(7):860.

Deathe AB. Canes, crutches, walkers and wheelchairs: a review of metabolic energy expenditure. Can J Rehabil 1992 Summer;5(4):217-30.

Deathe AB, Hayes KC, Winter DA. The biomechanics of canes, crutches, and walkers. Curr Rev Phys Rehabil Med 1993;5(1):15-30.

Diaz Llopid I, Bea Munoz M, Martinez Agullo E, Lopez Martinez A, Garcia Aymerich V, Forner Valero JC. Ambulation in patients with myelomeningocele: a study of 1500 patients. Paraplegia 1993 Jan;31(1):28-32.

Dickstein R, Smolinski Z, Pillar T. Self-propelled weight-relieving walker for gait rehabilitation. J Biomed Eng 1992 Jul;14(4):351-5.

Dobrin L. Origin and evolution of the walkerette. Mt Sinai J Med 1980 Mar-Apr;47(2):172-4.

Eblen C. An evaluation program examining two experimental walkers. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 266-7.

Eblen C, Koeneman J. A multidimensional evaluation of a four-wheeled walker. Assist Technol 1991; 3(1):32-7.

Franks CA, Palisano RJ, Darbee JC. The effect of walking with an assistive device and using a wheelchair on school performance in students with myelomeningocele. Phys Ther 1991 Aug;71(8): 570-7; discussion 577-9.

Granat M, Keating JF, Smith AC, Delargy M, Andrews BJ. The use of functional electrical stimulation to assist gait in patients with incomplete spinal cord injury. Disabil Rehabil 1992 Apr-Jun;14(2):93-7.

Graupe D. EMG pattern analysis for patient-responsive control of FES in paraplegics for walker-supported walking. IEEE Trans Biomed Eng 1989 Jul;36(7):711-9.

Greiner BM, Czerniecki JM, Deitz JC. Gait parameters of children with spastic diplegia: a comparison of posterior and anterior walkers. Arch Phys Med Rehabil 1993 Apr;74(4):381-5.

Hall J, Clarke AK. Walking frames [letter]. BMJ 1990 May 5;300(6733):1199.

Isakov E, Douglas R, Berns P. Ambulation using the reciprocating gait orthosis and functional electrical stimulation. Paraplegia 1992 Apr;30(4):239-45.

Johnson CF, Ericson AK, Caniano D. Walker related burns in infants and toddlers. Pediatr Emerg Care 1990;6(1):58-61.

Joyce BM, Kirby RL. Canes, crutches and walkers. Am Fam Physician 1991 Feb;43(2):535-42.

Kirshblum SC, Bach JR. Walker modification for ventilator-assisted individuals. Case report. Am J Phys Med Rehabil 1992 Oct;71(5):304-6.

Levangie PK, Guihan MF, Meyer P, Stuhr K. Effect of altering handle position of a rolling walker on gait in children with cerebral palsy. Phys Ther 1989 Feb;69(2):130-4.

Logan L, Byers-Hinkley K, Ciccone CD. Anterior versus posterior walkers: a gait analysis study. Dev Med Child Neurol 1990 Dec;32(12):1044-8.

Mahoney J, Euhardy R, Carnes M. A comparison of a two-wheeled walker and a three-wheeled walker in a geriatric population. J Am Geriatr Soc 1992 Mar;40(3):208-12.

McConnell EA. Using a stationary walker. Nursing 1992 Oct;22(10):75.

Moore P, Stallard J. A clinical review of adult paraplegic patients with complete lesions using the Orlau Parawalker. Paraplegia 1991 Mar;29(3): 191-6.

Mossberg KA, Linton KA, Friske K. Ankle-foot orthoses: effect on energy expenditure of gait in spastic diplegic children. Arch Phys Med Rehabil 1990 Jun;71(7):490-4.

Mulley G. Walking frames. BMJ 1990 Apr 7; 300(6729):925-7.

Nabizadeh SA, Hardee TB, TOwler MA, CHen VT, Edlich RF. Technical considerations in the selection and performance of walkers. J Burn Care Rehabil 1993 Mar-Apr;14(2 Pt 1):182-8.

Nene AV, Jennings SJ. Hybrid paraplegic locomotion with the ParaWalker using intramuscular stimulation: a single subject study. Paraplegia 1989 Apr;27(2):125-32.

Nene AV, Jennings SJ. Physiological cost index of paraplegic locomotion using the ORLAU ParaWalker. Paraplegia 1992 Apr;30(4):246-52.

Nene AV, Kim Y, Spelman FA. An assessment of the ORLAU ParaWalker-electrical stimulation hybrid orthosis. In: Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 11th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1989 Nov 9-12; Seattle, WA. Vol 3. Piscataway (NJ): IEEE; 1989. p. 1016-7.

Nene AV, Patrick JH. Energy cost of paraplegic locomotion using the ParaWalker--electrical stimulation "hybrid" orthosis. Arch Phys Med Rehabil 1990 Feb;71(2):116-20.

Nene AV, Patrick JH. Energy cost of paraplegic locomotion with the ORLAU ParaWalker. Paraplegia 1989 Feb;27(1):5-18.

Ogilvie C, Bowker P, Rowley DI. The physiological benefits of paraplegia orthotically aided walking. Paraplegia 1993 Feb;31(2):111-5.

Phillips CA, Hendershot DM. Functional electrical stimulation and reciprocating gait orthosis for ambulation exercise in a tetraplegic patient: a case study. Paraplegia 1991 May;29(4):268-76.

Phillips DP, Lindseth RE. Ambulation after transfer of adductors, external oblique, and tensor fascia lata in myelomeningocele. J Pediatr Orthop 1992 Nov-Dec;12(6):712-7.

Product comparison and evaluation: canes, crutches, and walkers. Washington (DC): National Rehabilitation Hospital, Rehabilitation Engineering Center; 1990 Jun.

Richard JR. Gracias, Doctor. Am Fam Physician 1990 Dec;42(6):1520.

Sorock GS, Labiner DM. Peripheral neuromuscular dysfunction and falls in an elderly cohort. Am J Epidemiol 1992 Sep 1;136(5):584-91.

Stallard J, Henshaw JH, Lomas B, Poiner R. The ORLAU VCG (variable centre of gravity) swivel walker for muscular dystrophy patients. Prosthet Orthot Int 1992 Apr;16(1):46-8.

Stallard J, Major R, Butler PB. The orthotic ambulation performance of paraplegic myelomeningocele children using the orlau parawalker treatment system. Clin Rehabil 1991 May;5(2):111-4.

Stallard J, Major RE, Patrick JH. A review of the fundamental design problems of providing ambulation for paraplegic patients. Paraplegia 1989 Feb;27(1):70-5.

Thompson NP. Three-wheeled walkers [letter]. J Am Geriatr Soc 1992 Jul;40(7):735-6.

Thompson-Rangel T, Smith S, Griner D. Customized walker adations for a child with cerebral palsy. J Assoc Child Prosthet Orthot Clin 1992 Winter; 27(3):97-103.

Toms J. Mobility and ambulatory aids. In: Scully RM, Barnes MR, Canfield JS, et al., eds. Physical therapy. Philadelphia: Lippincott; 1989. p. 1052-72.

Wright DL, Kemp TL. The dual-task methodology and assessing the attentional demands of ambulation with walking devices. Phys Ther 1992 Apr;72(4): 306-12; discussion 313-5.

Yuge M, Kanda T, Yamori Y, Fukase H. [The comparison of motor developmental processes between spastic diplegic children and athetotic children who have been treated since infancy]. No To Hattatsu 1991 Jul;23(4):342-7. (Jpn).

CANES

Basmajian JV. Crutch and cane exercises and use. In: Basmajian JV, Wolf SL, eds. Therapeutic exercise. Baltimore: Williams & Wilkins; 1990. p. 125-38.

Berg KO, Maki BE, Willaims JI, Hilliday PJ, Wood-Dauphinee SL. Clinical and laboratory measures of postural balance in an elderly population. Arch Phys Med Rehabil 1992 Nov;73(11):1073-80.

Cheng CL, Lau S, Hui PW, Chow SP, Pun WK, Ng J, Leong JC. Prognostic factors and progress for ambulation in elderly patients after hip fracture. Am J Phys Med Rehabil 1989 Oct;68(5):230-3.

Crosbie WJ, Nicol AC. Aided gait in rheumatoid arthritis following knee arthroplasty. Arch Phys Med Rehabil 1990 Apr;71(5):299-303.

Deathe AB. Canes, crutches, walkers and wheelchairs: a review of metabolic energy expenditure. Can J Rehabil 1992 Summer;5(4):217-30.

Deathe AB, Hayes KC, Winter DA. The biomechanics of canes, crutches, and walkers. Curr Rev Phys Rehabil Med 1993;5(1):15-30.

Dudley NJ. Aids for visual impairment. BMJ 1990 Nov 17;301(6761):1151-3.

Gerasimov AI. [A cane with a sliding-prevention device]. Ortop Travmatol Protez 1991 Dec;(12): 47-9. (Rus).

Jantra P, Monga TN, Press JM, Gervais BJ. Management of apraxic gait in a stroke patient. Arch Phys Med Rehabil 1992 Jan;73(1):95-7.

McConnell EA. Teaching a patient to use a cane correctly. Nursing 1991 Sep;21(9):83.

Milczarek JJ, Kirby RL, Harrison ER, MacLeod DA. Standard and four-footed canes: their effect on the standing balance of patients with hemiparesis. Arch Phys Med Rehabil 1993 Mar;74(3):281-5.

Mossberg KA, Linton KA, Friske K. Ankle-foot orthoses: effect on energy expenditure of gait in spastic diplegic children. Arch Phys Med Rehabil 1990 Jun;71(7):490-4.

Neumann DA. Biomechanical analysis of selected principles of hip joint protection. Arthritis Care Res 1989 Dec;2(4):146-55.

Podsiadlo D, Richardson S. The timed "Up & Go": a test of basic functional mobility for frail elderly persons. J Am Geriatr Soc 1991 Feb;39(2):142-8.

Ragnarsson B, Mjoberg B. Arthrosis after surgically treated acetabular fractures. A retrospective study of 60 cases. Acta Orthop Scand 1992 Oct;63(5): 511-4.

Reding MJ, McDowell FH. Focused stroke rehabilitation programs improve outcome. Arch Neurol 1989 Jun;46(6):700-1.

Saito S, Saito M, Nishina T, Ohzono K, Ono K. Long-term results of total hip arthroplasty for osteonecrosis of the femoral head. A comparison with osteoarthritis. Clin Orthop 1989 Jul;(244): 198-207.

Sorock GS, Labiner DM. Peripheral neuromuscular dysfunction and falls in an elderly cohort. Am J Epidemiol 1992 Sep 1;136(5):584-91.

Tanton JH. Falls in elderly patients with glaucoma [letter]. Arch Ophthalmol 1992 Feb;110(2):169-70.

Vargo MM, Robinson LR, Nicholas JJ. Contralateral v ipsilateral cane use. Effects on muscles crossing the knee joint. Am J Phys Med Rehabil 1992 Jun; 71(3):170-6.

CRUTCHES

Ambulation aids. Health Devices 1991 Jan;20(1):5-22.

Anderson LS, Davis RJ, Simonet M, Jewell ER, Persson AV. New mechanism for disruption of axillofemoral bypass [letter]. J Vasc Surg 1992 Jan;15(1):255-6.

Annesley AL, Almada-Norfleet M, Arnall DA, Cornwall MW. Energy expenditure of ambulation using the Sure-Gait crutch and the standard axillary crutch. Phys Ther 1990 Jan;70(1):18-23.

Basford JR, Rhetta HL, Schleusner MP. Clinical evaluation of the rocker bottom crutch. Orthopedics 1990 Apr;13(4):457-60.

Basmajian JV. Crutch and cane exercises and use. In: Basmajian JV, Wolf SL, eds. Therapeutic exercise. Baltimore: Williams & Wilkins; 1990. p. 125-38.

Bauer DM, Finch DC, McGough KP, Benson CJ, Finstuen K, Allison SC. A comparative analysis of several crutch-length-estimation techniques. Phys Ther 1991 Apr;71(4):294-300.

Bhambani Y, Clarkson H. Acute physiologic and perceptual responses during three modes of ambulation: walking, axillary crutch walking, and running. Arch Phys Med Rehabil 1989 Jun;70(6): 445-50.

Bhambhani YN, Clarkson HM, Gomes PS. Axillary crutch walking: effects of three training programs. Arch Phys Med Rehabil 1990 Jun;71(7):484-9.

Cahan LD, Adams JM, Perry J, Beeler LM. Instrumented gait analysis after selective dorsal rhizotomy. Dev Med Child Neurol 1990 Dec; 32(12):1037-43.

Cavlak Y, Wylutzki G. [The use and advantages of walking aids with shock absorbers]. Aktuel Traumatol 1990 Apr;20(2):110-1. (Ger).

Cooley WC, Melkonian G, Moses C, Moeschler JB. Autosomal dominant familial spastic paraplegia: description of a large New England family and a study of management. Dev Med Child Neurol 1990 Dec;32(12):1098-104.

Corwin D, Miller CA. Get your patient off on the right foot. RN 1990 Nov;53(11):44-6.

Cowart J. Sport adaptations for students with crutches: badminton, golf, archery, tennis. In: Grosse S, ed. Sport instruction for individuals with disabilities: the best of practical pointers. Reston (VA): American Alliance for Health, Physical Education, Recreation and Dance; 1991. p. 166-74.

Crosbie WJ, Nicol AC. Aided gait in rheumatoid arthritis following knee arthroplasty. Arch Phys Med Rehabil 1990 Apr;71(5):299-303.

Crosbie WJ, Nicol AC. Reciprocal aided gait in paraplegia. Paraplegia 1990 Jul;28(6):353-63.

Crutchwalking: an overview for nurses [videocassette]. [Spokane (WA)]: I.C.N.E., Learning Resources Unit; 1989. 1 videocassette: sound, color, 1/2 in.

Deathe AB. Canes, crutches, walkers and wheelchairs: a review of metabolic energy expenditure. Can J Rehabil 1992 Summer;5(4):217-30.

Deathe AB, Hayes KC, Winter DA. The biomechanics of canes, crutches, and walkers. Curr Rev Phys Rehabil Med 1993;5(1):15-30.

DeValles JH. Crutch walking and discharge instructions [letter]. J Emerg Nurs 1989 Mar-Apr; 15(2 Pt 1):74-5.

Engebretsen L, Tegnander A. Short-term results of the nonoperated isolated anterior cruciate ligament tear. J Orthop Trauma 1990;4(4):406-10.

Franks CA, Palisano RJ, Darbee JC. The effect of walking with an assistive device and using a wheelchair on school performance in students with myelomeningocele. Phys Ther 1991 Aug;71(8): 570-7; discussion 577-9.

Hall J, Clarke AC. Open-cuff crutches. Physiotherapy 1990 May;76(5):271.

Hall J, Elvins DM, Burke SJ, Ring EF, Clarke AK. Heart rate evaluation of axillary and elbow crutches. J Med Eng Technol 1991 Nov-Dec; 15(6):232-8.

Hjeltnes N, Lannem A. Functional neuromuscular stimulation in 4 patients with complete paraplegia. Paraplegia 1990 May;28(4):235-43.

Indelicato PA, Hermansdorfer J, Huegel M. Nonoperative management of complete tears of the medial collateral ligament of the knee in intercollegiate football players. Clin Orthop 1990 Jul;(256):174-7.

Joyce BM, Kirby RL. Canes, crutches and walkers. Am Fam Physician 1991 Feb;43(2):535-42.

Kirkwood CA, Granat MH, Andrews BJ. Measurement of sway when using hand supports. Med Biol Eng Comput 1991 Nov;29(6):601-2.

Lane PL, LeBlanc R. Crutch walking. Orthop Nurs 1990 Sep-Oct;9(5):31-8.

Liptak GS, Shyrtleff DB, Bloss JW, Baltus-Hebert E, Manitta P. Mobility aids for children with high-level myelomeningocele: parapodium versus wheelchair. Dev Med Child Neurol 1992 Sep; 34(9):787-96.

Nielsen DH, Harris JM, Minton YM, Motley NS, Rowley JL, Wadsworth CT. Energy cost, exercise intensity, and gait efficiency of standard versus rocker-bottom axillary crutch walking. Phys Ther 1990 Aug;70(8):487-93.

Ogilvie C, Bowker P, Rowley DI. The physiological benefits of paraplegia orthotically aided walking. Paraplegia 1993 Feb;31(2):111-5.

Okawa A, Kajiura I, Hiroshima K. Physical therapeutic and surgical management in spastic diplegia. A Japanese experience. Clin Orthop 1990 Apr;(253):38-44.

Parziale JR, Daniels JD. The mechanical performance of ambulation using spring-loaded axillary crutches. A preliminary report. Am J Phys Med Rehabil 1989 Aug;68(4):192-5.

Phillips DP, Lindseth RE. Ambulation after transfer of adductors, external oblique, and tensor fascia lata in myelomeningocele. J Pediatr Orthop 1992 Nov-Dec;12(6):712-7.

Potter BE, Wallace WA. Crutches. BMJ 1990 Nov 3; 301(6759):1037-9.

Pryor SR. Getting back on your feet: how to recover mobility and fitness after injury or surgery to your foot, leg, hip, or knee. Post Mills (VT): Chelsea Green Pub. Co.; 1990. 215 p.

Roberts P, Carnes S. The orthopaedic scooter. An energy-saving aid for assisted ambulation. J Bone Joint Surg [Br] 1990 Jul;72(4):620-1.

Roberts P, Grimer RJ. Crutches [letter]. BMJ 1990 Dec 1;301(6763):1278.

Savvidis E, Loer F. [The magnitude of forces acting on the proximal femur in various weight alleviating gait forms with reduced ground reaction forces]. Z Orthop 1989 Jan-Feb;127(1):111-7. (Ger).

Street SA, Curl WW. Using standard crutches for persons over seven feet tall. Athl Train 1991 Fall; 26(3):268-9.

Yrjonen T. Prognosis in Perthes disease after noncontainment treatment. 106 hips followed for 28-47 years. Acta Orthop Scand 1992 Oct;63(5): 523-6.

FUNCTIONAL ELECTRICAL STIMULATION & DEVICES

Abbas JJ, Chizeck HJ. Feedback control of coronal plane hip angle in paraplegic subjects using functional neuromuscular stimulation. IEEE Trans Biomed Eng 1991 Jul;38(7):687-98.

Akazawa K, Makikawa M, Kawamura J, Aoki H. Functional neuromuscular stimulation system using an implantable hydroxyapatite connector and a microprocessor-based portable stimulator. IEEE Trans Biomed Eng 1989 Jul;36(7):746-53.

Alm AC, Triolo RJ, Kobetic R, Smith B, Buckett JR, Borges G, Kim Y, Spelman FA. The design of output stage circuitry for constant current neuromuscular stimulation. In: Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 11th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1989 Nov 9-12; Seattle, WA. Vol. 3. Piscataway (NJ): IEEE; 1989. p. 1051-2.

Anciaux M, Lenaert A, Van Beneden ML, Blonde W, Vercauteren M. Transcutaneous electrical stimulation (TCES) for the treatment of adolescent idiopathic scoliosis: preliminary results. Acta Orthop Belg 1991;57(4):399-405.

Andrews BJ, Barnett RW, Phillips GF, Kirkwood CA, Donaldson N, Rushton DN, Perkins TA. Rule-based control of a hybrid FES orthosis for assisting paraplegic locomotion. Automedica 1989;11: 175-99.

Andrews BJ, Cobelli C, Mariani L. Rule based control of hybrid FES orthoses. In: Cobelli C, Mariani L, eds. Modelling and control in biomedical systems: selected papers from the 1st IFAC Symposium; 1988 Apr 6-8; Venice, Italy. Oxford: Pergamon Press; 1989. p. 287-94.

Andrews BJ, Kirkwood CA, Kim Y, Spelman FA. Control of hybrid FES orthoses. In: Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 11th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1989 Nov 9-12; Seattle, WA. Vol. 5. Piscataway (NJ): IEEE; 1989. p. 1473-4.

Arnold PB, McVey PP, Farrell WJ, Deurloo TM, Grasso AR. Functional electric stimulation: its efficacy and safety in improving pulmonary function and musculoskeletal fitness. Arch Phys Med Rehabil 1992 Jul;73(7):665-8.

Bajd T, Kralj A, Turk R, Benko H. Symmetry of FES responses in the lower extremities of paraplegic patients. J Biomed Eng 1990 Sep;12(5):415-8.

Bajd T, Kralj A, Turk R, Benko H, Sega J. Use of functional electrical stimulation in the rehabilitation of patients with incomplete spinal cord injuries. J Biomed Eng 1989 Mar;11(2):96-102.

Barbenel JC, Paul JP. Bioengineering developments for paraplegic patients. Paraplegia 1992 Jan;30(1): 61-4.

Barnett RW. Paraplegic standing and reciprocal gait using a floor reaction hybrid F.E.S. orthosis [dissertation]. Glasgow (UK): University of Strathclyde; 1990. 174 p.

Block JE, Steinbach LS, Friedlander AL, Steiger P, Ellis W, Morris JM, Genant HK. Electrically-stimulated muscle hypertrophy in paraplegia: assessment by quantitative CT. J Comput Assist Tomogr 1989 Sep-Oct;13(5):852-4.

Bogataj U, Gros N, Malezic M, Kelih B, Kljajic M, Acimovic R. Restoration of gait during two to three weeks of therapy with multichannel electrical stimulation. Phys Ther 1989 May;69(5):319-27.

Borges G, Ferguson K, Kobetic R. Development and operation of portable and laboratory electrical stimulation systems for walking in paraplegic subjects. IEEE Trans Biomed Eng 1989 Jul;36(7): 798-801.

Bremner LA, Sloan KE, Day RE, Scull ER, Ackland T. A clinical exercise system for paraplegics using functional electrical stimulation. Paraplegia 1992 Sep;30(9):647-55.

Carroll SG, Bird SF, Brown DJ. Electrical stimulation of the lumbrical muscles in an incomplete quadriplegic patient: case report. Paraplegia 1992 Mar;30(3):223-6.

Carroll SG, Triolo RJ, Chizeck HJ, Kobetic R, Marsolais EB. Tetanic responses of electrically stimulated paralyzed muscle at varying interpulse intervals. IEEE Trans Biomed Eng 1989 Jul; 36(7):644-53. Published erratum appears in IEEE Trans Biomed Eng 1989 Nov;36(11):1143.

Chizeck HJ, Lan N, Palmieri LS, Crago PE. Feedback control of electrically stimulated muscle using simultaneous pulse width and stimulus period modulation. IEEE Trans Biomed Eng 1991 Dec; 38(12):1224-34.

Cioni B, Meglio M, Prezioso A, Talamonti G, Tirendi M. Spinal cord stimulation (SCS) in spastic hemiparesis. PACE Pacing Clin Electrophysiol 1989 Apr;12(4 Pt 2):739-42.

Cioni B, Meglio M, Zamponi A. Effect of spinal cord stimulation on motor performances in hemiplegics. Stereotact Funct Neurosurg 1989;52(1):42-52.

A compendium of rehabilitation technology research supported by NIDRR: national workshop on rehabilitation technology; 1990 Oct 3-4; Washington, DC. Washington (DC): Electronic Industries Foundation, Rehabilitation Center; 1990. 278 p.

Crago PE, Nakai RJ, Chizeck HJ. Feedback regulation of hand grasp opening and contact force during stimulation of paralyzed muscle. IEEE Trans Biomed Eng 1991 Jan;38(1):17-28.

Debnath N, Anand A, Guha SK. Electrical current distribution analysis for functional electrical stimulation (FES) of paraplegics. Automedica 1989; 11(1-3):5-13.

Delitto A, Snyder-Mackler L. Two theories of muscle strength augmentation using percutaneous electrical stimulation. Phys Ther 1990 Mar;70(3):158-64.

Durfee WK, Hausdorff JM. Regulating knee joint position by combining electrical stimulation with a controllable friction brake. Ann Biomed Eng 1990; 18(6):575-96.

Durfee WK, Mariano TR, Zahradnik JL. Simulator for evaluating shoulder motion as a command source for FES grasp restoration systems. Arch Phys Med Rehabil 1991 Dec;72(13):1088-94.

Durham JW, Moskowitz A, Whitney J. Surface electrical stimulation versus brace in treatment of idiopathic scoliosis. Spine 1990 Sep;15(9):888-92.

Edwards BG, Marsolais EB. Energy costs of ambulation with reciprocal gait orthosis, electrical stimulation, long leg braces and hybrids: A case study. Clin Kinesiol 1990;44(2):43-7.

Edwards BG, Marsolais EB. Metabolic responses to arm ergometry and functional neuromuscular stimulation. J Rehabil Res Dev 1990 Spring;27(2): 107-13; discussion 113-4.

Ewins DJ. Investigation into the restoration of simple standing and walking function for mid-low thoracic paraplegics through the use of electrical stimulation [dissertation]. Claverton Down (UK): University of Bath; 1990. 447 p.

Ezenwa BN, Glaser RM, Couch W, Figoni SF, Rodgers MM. Adaptive control of functional neuromuscular stimulation-induced knee extension exercise. J Rehabil Res Dev 1991 Fall;28(4):1-8.

Ezenwa BN, Reynolds DB, Rowley BA. Characterization of the lower limb of quadriplegics for the design of a controller for funtional electrical stimulation. Automedica 1989;11(1-3):43-52.

Ferguson ACB, Granat MH. Evaluation of functional electrical stimulation for an incomplete spinal cord injured patient. Physiotherapy 1992 Apr;78(4):253-6.

Figoni SF. Exercise responses and quadriplegia. Med Sci Sports Exerc 1993 Apr;25(4):433-41.

Fujita K, Noguchi T, Minamitani H, Tomatsu T. [Feedback control method for paraplegic standing by functional electrical stimulation]. Trans Inst Electr Inf Commun Eng;1992 Apr;J75D-II(4): 791-8. (Jpn).

Granat M, Keating JF, Smith AC, Delargy M, Andrews BJ. The use of functional electrical stimulation to assist gait in patients with incomplete spinal cord injury. Disabil Rehabil 1992 Apr-Jun;14(2):93-7.

Granat MH, Heller BW, Nicol DJ, Baxendale RH, Andrews BJ. Improving limb flexion in FES gait using the flexion withdrawal response for the spinal cord injured person. J Biomed Eng 1993 Jan;15(1): 51-6.

Graupe D. EMG pattern analysis for patient-responsive control of FES in paraplegics for walker-supported walking. IEEE Trans Biomed Eng 1989 Jul;36(7):711-9.

Handa Y, Handa T, Ichie M, Murakami H, Hoshimiya N, Ishikawa S, Ohkubo K. Functional electrical stimulation (FES) systems for restoration of motor function of paralyzed muscles--versatile systems and a portable system. Front Med Biol Eng 1992;4(4):241-55.

Handa Y, Hoshimiya N, Kim Y, Spelman FA. Multichannel FES for motor control of the disabled. In: Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 11th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1989 Nov 9-12; Seattle, WA. Vol. 3. Piscataway (NJ): IEEE; 1989. p. 1002-3.

Handa Y, Ohkubo K, Hoshimiya N. A portable multi-channel FES system for restoration of motor function of the paralyzed extremities. Automedica 1989;11:221-31.

Hatwell MS, Oderkerk BJ, Sacher CA, Inbar GF. The development of a model reference adaptive controller to control the knee joint of paraplegics. IEEE Trans Automat Control 1991 Jun;36(6): 683-91.

Hausdorff JM, Durfee WK. Open-loop position control of the knee joint using electrical stimulation of the quadriceps and hamstrings. Med Biol Eng Comput 1991 May;29(3):269-80.

Hirokawa S. [Energy consumption of paraplegics-ambulation-relation between the application of functional electrical stimulation and energy consumption]. Jpn J Med Electr Biol Eng 1991 Mar;29(1):1-8. (Jpn).

Hirokawa S, Grimm M, Le T, Solomonow M, Baratta RV, Shoji H, D'Ambrosia RD. Energy consumption in paraplegic ambulation using the reciprocating gait orthosis and electric stimulation of the thigh muscles. Arch Phys Med Rehabil 1990 Aug;71(9):687-94.

Hjeltnes N, Lannem A. Functional neuromuscular stimulation in 4 patients with complete paraplegia. Paraplegia 1990 May;28(4):235-43.

Hooker SP, Figoni SF, Glaser RM, Rodgers MM, Ezenwa BN, Faghri PD. Physiologic responses to prolonged electrically stimulated leg-cycle exercise in the spinal cord injured. Arch Phys Med Rehabil 1990 Oct;71(11):863-9.

Hooker SP, Figoni SF, Rodgers MM, Glaser RM, Mathews T, Suryaprasad AG, Gupta SC. Physiologic effects of electrical stimulation leg cycle exercise training in spinal cord injured patients. Arch Phys Med Rehabil 1992 May;73(5): 470-6.

Hoshimiya N, Handa Y. A master-slave type multi-channel functional electrical stimulation (FES) system for the control of the parlyzed extremities. Automedica 1989;11:209-20.

Hoshimiya N, Naito A, Yajima M, Handa Y. A multichannel FES system for the restoration of motor functions in high spinal cord injury patients: a respiration-controlled system for multijoint upper extremity. IEEE Trans Biomed Eng 1989 Jul; 36(7):754-60.

Ichie M, Handa T, Handa Y, Hoshimiya N, Naito A, Ushikoshi K, Fukamachi H, Yajima M, Ito T, Kim Y, Spelman FA. Control of locomotion by multi-channel portable FES system. In: Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 11th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1989 Nov 9-12, Seattle, WA. Vol. 3. Piscataway (NJ): IEEE; 1989. p. 1018-9.

Iguchi Y, Fujita K, Minamitani H. [Closed-loop control of FES joint movement with feed-forward element]. Trans Inst Electr Inf Commun Eng 1990 Oct;J73D-II(10):1813-6. (Jpn).

Isakov E, Douglas R, Berns P. Ambulation using the reciprocating gait orthosis and functional electrical stimulation. Paraplegia 1992 Apr;30(4):239-45.

Ishal VA. [Possibilities of conservative treatment of scoliosis]. Ortop Travmatol Protez 1990 Mar;(3): 74-7. (Rus).

Jaeger RJ, Yarkony GM, Roth EJ, Lovell L. Estimating the user population of a simple electrical stimulation system for standing. Paraplegia 1990 Oct;28(8):505-11.

Jaeger RJ, Yarkony GM, Smith RM. Standing the spinal cord injured patient by electrical stimulation: refinement of a protocol for clinical use. IEEE Trans Biomed Eng 1989 Jul;36(7):720-8.

Javidan M, Elek J, Prochazka A. Attenuation of pathological tremors by functional electrical stimulation. II: Clinical evaluation. Ann Biomed Eng 1992;20(2):225-36.

Karmel-Ross K, Cooperman DR, Van Doren CL. The effect of electrical stimulation on quadriceps femoris muscle torque in children with spina bifida. Phys Ther 1992 Oct;72(10):723-30.

Kazmin AI, Belenkii VE, Cherkashov AM. [Electric stimulation of spinal muscles during walking as a method of the treatment of scoliosis]. Ortop Travmatol Protez 1990 Nov;(11):1-5. (Rus).

Keith MW, Peckham PH, Thrope GB, Buckett JR, Stroh KC, Menger V. Functional neuromuscular stimulation neuroprostheses for the tetraplegic hand. Clin Orthop 1988 Aug;(233):25-33.

Keith MW, Peckham PH, Thrope GB, Stroh KC, Smith B, Buckett JR, Kilgore KL, Jatich JW. Implantable functional neuromuscular stimulation in the tetraplegic hand. J Hand Surg [Am] 1989 May; 14(3):524-30.

Khang G, Zajac FE. Paraplegic standing controlled by functional neuromuscular stimulation: Part I--computer model and control-system design. IEEE Trans Biomed Eng 1989 Sep;36(9):873-84.

Khang G, Zajac FE. Paraplegic standing controlled by functional neuromuscular stimulation: Part II--Computer simulation studies. IEEE Trans Biomed Eng 1989 Sep;36(9):885-94.

Kilgore KL, Peckham PH, Keith MW, Thrope GB. Electrode characterization for functional application to upper extremity FNS. IEEE Trans Biomed Eng 1990 Jan;37(1):12-21.

Kilgore KL, Peckham PH, Thrope GB, Keith MW, Gallaher-Stone KA. Synthesis of hand grasp using functional neuromuscular stimulation. IEEE Trans Biomed Eng 1989 Jul;36(7):761-70.

Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 11th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1989 Nov 9-12; Seattle, WA. Piscataway (NJ): IEEE; 1989. 6 vols.

Kirkwood CA, Andrews BJ, Kim Y, Spelman FA. Finite state control of FES systems: application of AI inductive learning techniques. In: Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 11th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1989 Nov 9-12; Seattle, WA. Vol. 3. Piscataway (NJ): IEEE; 1989. p. 1020-1.

Kirtley C. Control of functional electrical stimulation with extended physiological proprioception [dissertation]. Glasgow (UK): University of Strathclyde; 1989. 167 p.

Kirtley C, Andrews BJ. Control of functional electrical stimulation with extended physiological proprioception. J Biomed Eng 1990 May;12(3): 183-8.

Koubek RJ, Phillips CA, Allread WG, Barnaba JE, McClain JE, Kim Y, Spelman FA. The effects of training on a vibrotacticle cognitive feedback system. In: Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 11th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1989 Nov 9-12; Seattle, WA. Vol. 5. Piscataway (NJ): IEEE; 1989. p. 1518-9.

Kraft GH, Fitts SS, Hammond MC. Techniques to improve function of the arm and hand in chronic hemiplegia. Arch Phys Med Rehabil 1992 Mar; 73(3):220-7.

Kubo K, Itakura N, Iguchi Y, Fujita K. Disturbance suppression on two joints controller using FES with antagonist muscle stiffness control. Syst Comput Jpn 1992;23(7):56-65.

Malezic M, Bogataj U, Gros N, Decman I, Vrtacnik P, Kljajic M, Acimovic-Janezic R. Application of a programmable dual-channel adaptive electrical stimulation system for the control and analysis of gait. J Rehabil Res Dev 1992 Fall;29(4):41-53.

Marsolais EB, Kim Y, Spelman FA. FNS application for restoring function in stroke patients. In: Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 11th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1989 Nov 9-12; Seattle, WA. Vol. 3. New York: IEEE; 1989. p. 829-30.

McDowell CL, Rago TA, Gonzalez SM. Tetraplegia. Hand Clin 1989 Aug;5(3):343-8.

Merletti R, Knaflitz M, DeLuca CJ. Electrically evoked myoelectric signals. Crit Rev Biomed Eng 1992;19(4):293-340.

Miller LJ, Peckham PH, Keith MW. Elbow extension in the C5 quadriplegic using functional neuromuscular stimulation. IEEE Trans Biomed Eng 1989 Jul;36(7):771-80.

Mulder AJ, Hermens HJ, Janssen F, Zilvold G. A low-cost FES exercise bicycle for training paraplegics at home. J Med Eng Technol 1989 Jan-Apr;13(1-2):90-2.

Mulder AJ, Veltink PH, Boom HB. On/off control in FES-induced standing up: a model study and experiments. Med Biol Eng Comput 1992 Mar; 30(2):205-12.

Mulder AJ, Veltink PH, Boom HB, Zilvold G. Low-level finite state control of knee joint in paraplegic standing. J Biomed Eng 1992 Jan;14(1):3-8.

Nash RS, Davy MS, Orpwood R, Swain ID. Development of a wheelchair-mounted folding standing frame. J Biomed Eng 1990 May;12(3): 189-92.

Nathan RH. FNS of the upper limb: targeting the forearm muscles for surface stimulation. Med Biol Eng Comput 1990 May;28(3):249-56.

Nathan RH. An FNS-based system for generating upper limb function in the C4 quadriplegic. Med Biol Eng Comput 1989 Nov;27(6):549-56.

Nathan RH, Ohry A. Upper limb functions regained in quadriplegia: a hybrid computerized neuromuscular stimulation system. Arch Phys Med Rehabil 1990 May;71(6):415-21.

Nene AV, Jennings SJ. Hybrid paraplegic locomotion with the ParaWalker using intramuscular stimulation: a single subject study. Paraplegia 1989 Apr;27(2):125-32.

Nene AV, Kim Y, Spelman FA. An assessment of the ORLAU ParaWalker-electrical stimulation hybrid orthosis. In: Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 11th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1989 Nov 9-12; Seattle, WA. Vol 3. Piscataway (NJ): IEEE; 1989. p. 1016-7.

Nene AV, Patrick JH. Energy cost of paraplegic locomotion using the ParaWalker--electrical stimulation "hybrid" orthosis. Arch Phys Med Rehabil 1990 Feb;71(2):116-20.

Oderkerk BJ, Inbar GF. Walking cycle recording and analysis for FNS-assisted paraplegic walking. Med Biol Eng Comput 1991 Jan;29(1):79-83.

Patterson RP, Lockwood JS, Dykstra DD. A functional electric stimulation system using an electrode garment. Arch Phys Med Rehabil 1990 Apr;71(5):340-2.

Peckham PH, Creasey GH. Neural prostheses: clinical applications of functional electrical stimulation in spinal cord injury. Paraplegia 1992 Feb;30(2): 96-101.

Petrofsky JS, Smith J. A combined computer-controlled walking and exercise system. J Clin Eng 1991 May-Jun;16(3):223-35.

Petrofsky JS, Smith JB. Physiologic costs of computer-controlled walking in persons with paraplegia using a reciprocating-gait orthosis. Arch Phys Med Rehabil 1991 Oct;72(11):890-6.

Pettine KA, Salib RM, Walker SG. External electrical stimylation and bracing for treatment of spondylolysis. A case report. Spine 1993 Mar 15; 18(4):436-9.

Philips CA, Hendershot D, Elzayat S, Granek H, Granek M, Kim Y, Spelman FA. A systems approach to physician prescribed FES ambulation. In: Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 11th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; Nov 9-12; Seattle, WA. Vol. 5. Piscataway (NJ): IEEE; 1989. p. 1492-3.

Philips CA, Koubek RJ, Hendershot DM. Walking while using a sensory tactile feedback system: potential use with a functional electrical stimulation orthosis. J Biomed Eng 1991 Mar;13(2):91-6.

Phillips CA. Electrical muscle stimulation in combination with a reciprocating gait orthosis for ambulation by paraplegics. J Biomed Eng 1989 Jul;11(4):338-44.

Phillips CA. Functional electrical rehabilitation: technological restoration after spinal cord injury. New York: Springer-Verlag; 1991. 209 p.

Phillips CA. Functional electrical stimulation and lower extremity bracing for ambulation exercise of the spinal cord injured individual: a medically prescribed system. Phys Ther 1989 Oct;69(10): 842-9.

Phillips CA. An interactive system of electronic stimulators and gait orthosis for walking in the spinal cord injured. Automedica 1989;11:247-61.

Phillips CA, Hendershot DM. Functional electrical stimulation and reciprocating gait orthosis for ambulation exercise in a tetraplegic patient: a case study. Paraplegia 1991 May;29(4):268-76.

Phillips CA, Hendershot DM. A systems approach to medically prescribed functional electrical stimulation. Ambulation after spinal cord injury. Paraplegia 1991 Oct;29(8):505-13.

Phillips CA, Hendershot DM, Koubek RJ. Technology transfer of a system for medically prescribed FES walking exercise. J Clin Eng 1992 Jan-Feb;17(1):69-77.

Pollack SF, Axen K, Spielholz N, Levin N, Haas F, Ragnarsson KT. Aerobic training effects of electrically induced lower extremity exercises in spinal cord injured people. Arch Phys Med Rehabil 1989 Mar;70(3):214-9.

Popovic DJ, ed. Advances in external control of human extremities. Belgrade: Nauka; 1990. 616 p.

Popovic D, Tomovic R, Schwirtlich L. Hybrid assistive system--the motor neuroprosthesis. IEEE Trans Biomed Eng 1989 Jul;36(7):729-37.

Prochazka A, Davis LA. Clinical experience with reinforced, anchored intramuscular electrodes for functional neuromuscular stimulation. J Neurosc Meth 1992 May;42(3):175-84.

Quintern J, Minwegen P, Mauritz KH. Control mechanisms for restoring posture and movements in paraplegics. Prog Brain Res 1989;80:489-502; discussion 479-80.

Rabischong E, Sgarbi F, Rabischong P, Detriche JM, Pinguet N, Riwan A. Control and command of a six degrees of freedom active electrical orthosis for paraplegic patient. In: Towards a new frontier of applications: IROS '90: proceedings of the IEEE International Workshop on Intelligent Robots and Systems '90; 1990 Jul 3-6; Ibaraki, Japan. Vol. 2. New York: IEEE; 1990. p. 987-91.

Rabischong P, Weber JL, Rabischong E, Micallef JP, Peruchon E, Gilbert B, Jullian JM, Kim Y, Spelman FA. Computer-aided locomotion by implanted electrical stimulation (CALIES project). In: Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 11th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1989 Nov 9-12; Seattle, WA. Vol. 3. Piscataway (NJ): IEEE; 1989. p. 985.

Ragnarsson KT. Functional electrical stimulation and suppression of spasticity following spinal cord injury. Bull N Y Acad Med 1992 Mar-Apr;68(2): 351-64.

Riso RR, Ignagni AR, Keith MW. Cognitive feedback for use with FES upper extremity neuroprostheses. IEEE Trans Biomed Eng 1991 Jan;38(1):29-38.

Schlenzka D, Ylikoski M, Poussa M. [Experiences with lateral electric surface stimulation in the treatment of idiopathic scoliosis]. Beitr Orthop Traumatol 1990 Jul;37(7):373-8. (Ger).

Schupp W, Jund R. [Spastic movement disorders: non-medicamentous therapies based on neurophysiologic principles]. Nervenarzt 1991 Dec;62(12):711-21. (Ger).

Seeger BR, Law D, Creswell JE, Stern LM, Potter G. Functional electrical stimulation for upper limb strengthening in traumatic quadriplegia. Arch Phys Med Rehabil 1989 Sep;70(9):663-7.

Smith LE. Restoration of volitional limb movement of hemiplegics following patterned functional electrical stimulation. Percept Mot Skills 1990 Dec; 71(3 Pt 1):851-61.

Solomonow M, Baratta R, Hirokawa S, Rightor N, Walker W, Beaudette P, Shoji H, D'Ambrosia R. The RGO Generation II: muscle stimulation powered orthosis as a practical walking system for thoracic paraplegics. Orthopedics 1989 Oct;12(10):1309-15. Published erratum appears in Orthopedics 1989 Dec;12(12):1522.

Stallard J, Major RE, Patrick JH. A review of the fundamental design problems of providing ambulation for paraplegic patients. Paraplegia 1989 Feb;27(1):70-5.

Stefanovska A, Vodovnik L, Gros N, Rebersek S, Acimovic-Janezic R. FES and spasticity. IEEE Trans Biomed Eng 1989 Jul;36(7):738-45.

Stein RB, Capaday C. [Improvement of prostheses and orthotic aids for the handicapped using electric stimulation and the registration of bioelectric signals]. Union Med Can 1990 May-Jun;119(3): 102-8. (Fre).

Stein RB, Peckham PH, Popovic DB, eds. Neural prostheses: replacing motor function after disease or disability. New York: Oxford University Press; 1992. 345 p.

Thrope G, Stroh K, Baco A (Case Western Reserve University, Veterans Administration Medical Center). Standardized object test for quantitative assessment of hand grasp function using the C.W.R.U. upper extremity neuroprosthesis. In: Technology for the next decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 181-2.

Vossius G. [Possibilities of functional electrostimulation in clinical use]. Biomed Tech (Berlin) 1990;35 Suppl 3:115-7. (Ger).

Vossius G, Hollander HJ, Frech R. [Functional electrostimulation in spasticity]. Biomed Tech (Berlin) 1990;35 Suppl 3:118-9. (Ger).

Willemsen AT, Frigo C, Boom HB. Lower extremity angle measurement with accelerometers--error and sensitivity analysis. IEEE Trans Biomed Eng 1991 Dec;38(12):1186-93.

Willemsen ATM, Bloemhof F, Boom HBK. Automatic stance-swing phase detection from accelerometer data for peroneal nerve stimulation. IEEE Trans Biomed Eng 1990 Dec;37(12):1201-8.

Winter DA. CNS stategies in human gait: implications for FES control. Automedica 1989;11:163-74.

Yamaguchi GT. Feasibility and conceptual design of functional neuromuscular stimulation systems for the restoration of natural gait to paraplegics based on dynamic musculoskeletal models [dissertation]. Palo Alto (CA): Stanford University; 1989. 264 p.

Yamaguchi GT, Zajac FE. Restoring unassisted natural gait to paraplegics via functional neuromuscular stimulation: a computer simulation study. IEEE Trans Biomed Eng 1990 Sep;37(9): 886-902.

Yarkony GM, Jaeger RJ, Roth E, Kralj AR, Quintern J. Functional neuromuscular stimulation for standing after spinal cord injury. Arch Phys Med Rehabil 1990 Mar;71(3):201-6.

Yarkony GM, Roth EJ, Cybulski GR, Jaeger RJ. Neuromuscular stimulation in spinal cord injury. II: Prevention of secondary complications. Arch Phys Med Rehabil 1992 Feb;73(2):195-200.

COMPUTERS & COMMUNICATIONS DEVICES

Angelo J. Comparison of three computer scanning modes as an interface method for persons with cerebral palsy. Am J Occup Ther 1992 Mar;46(3): 217-22.

Anschutz JR. Chairsim: a power wheelchair simulator. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 353.

Antczak JM, Snell E. Quad comparator circuit. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 9-10.

Arnold ME, Penn B. Expert systems and occupational therapy. Br J Occup Ther 1990 Sep;53(9):365-8.

Augmentative and alternative communication: 1989. Presentations at the RESNA 12th annual conference and USSAAC 1st national conference; 1989 Jun 26-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. 120 p.

Blackstien-Adler S, Ryan S, Naumann S, Parnes P. Development of an integrated wheelchair tray system for augmentative communication. Assist Technol 1990;2(4):142-50.

Borges G, Ferguson K, Kobetic R. Development and operation of portable and laboratory electrical stimulation systems for walking in paraplegic subjects. IEEE Trans Biomed Eng 1989 Jul; 36(7):798-801.

Bresler MI. The tamara system: integrated control of mobility, communication, and environment. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 300-1.

Carrico F. Rapid anthropometry for cad/cam design in prosthetics and orthotics. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 157-8.

Clemmons NW. ABLEDATA: a database of products for the disabled. Med Ref Serv Q 1991 Fall;10(3): 1-15.

Daley TL, Scott RN, Parker PA, Lovely DF. Operator performance in myoelectric control of a multifunction prosthesis stimulator. J Rehabil Res Dev 1990 Winter;27(1):9-20.

Durfee WK, Mariano TR, Zahradnik JL. Simulator for evaluating shoulder motion as a command source for FES grasp restoration systems. Arch Phys Med Rehabil 1991 Dec;72(13):1088-94.

Edwards BG, Marsolais EB. Metabolic responses to arm ergometry and functional neuromuscular stimulation. J Rehabil Res Dev 1990 Spring; 27(2):107-13; discussion 113-4.

El-Shanawany MM. Operation of a car alternator as a three-phase traction motor using microprocessor. In: UPEC'89. Proceedings of the 24th University Power Engineers Conference; 1989 Sep 19-20; Belfast, Northern Ireland, U.K. Belfast (UK): Queen's University; 1989. p. 327-30.

Engsberg JR, Clynch GS, Lee AG, Allan JS, Harder JA. A CAD CAM method for custom below-knee sockets. Prosthet Orthot Int 1992 Dec;16(3):183-8.

Handa Y, Handa T, Ichie M, Murakami H, Hoshimiya N, Ishikawa S, Ohkubo K. Functional electrical stimulation (FES) systems for restoration of motor function of paralyzed muscles--versatile systems and a portable system. Front Med Biol Eng 1992;4(4):241-55.

Hawley MS, Cudd PA, Wells JH, Wilson AJ, Judd PL. Wheelchair-mounted integrated control systems for multiply handicapped people. J Biomed Eng 1992 May;14(3):193-8.

Herman L, Herman B. Elena and her technology. Except Parent 1989 Oct;19(7):35-6.

Hillman M, Jepson J. Evaluation of a robotic workstation for the disabled. J Biomed Eng 1992 May;14(3):187-92.

Hillman MR, Pullin GM, Gammie AR, Stammers CW, Orpwood RD. Clinical experience in rehabilitation robotics. J Biomed Eng 1991 May;13(3):239-43.

Hillman MR, Pullin GM, Gammie AR, Stammers CW, Orpwood RD. Development of a robot arm and workstation for the disabled. J Biomed Eng 1990 May;12(3):199-204.

Kitzenmaier P, Boenick U. [Possibilities of myoelectric control of artificial limb prostheses]. Biomed Tech (Berlin) 1992 Jul-Aug;37(7-8):170-80. (Ger).

Klinger C, Boenick U. [A new procedure for simulation of wheelchair operation]. Biomed Tech (Berlin) 1990;35 Suppl 3:303-4. (Ger).

Krouskop TA, Malinauskas M, Williams J, Barry PA, Muilenburg AL, Winningham DJ. A computerized method for the design above-knee prosthetic sockets. J Prosthet Orthot 1989 Apr;1(3):131-8.

Lasudry N, Warzee G, Van Rolleghem J. [Image processing and use of CAD in prosthesis manufacturing]. Onde Electr 1991 Jul-Aug; 71(4):45-8 (Fre).

Lin JH, Chou YL, Ju MS, Sung YT. [Application and evaluation of the VICON system in gait analysis]. Kao Hsiung I Hsueh Ko Hsueh Tsa Chih 1990 Jan; 6(1):6-11. (Chi).

Lord M, Foulston J. Clinical trial of a computer-aided system for orthopaedic shoe upper design. Prosthet Orthot Int 1991 Apr;15(1):11-7.

McAllister DF, Carver D, Devarajan R, Harrison L, Pietenpol JL, Yang SH. An interactive computer graphics system for the design of molded and orthopedic shoe lasts. J Rehabil Res Dev 1991 Fall;28(4):39-46.

McEwen IR. Assistive positioning as a control parameter of social communicative interactions between students with profound multiple disabilities and classroom staff... including commentary by Palisano RJ with author response. Phys Ther 1992 Sep;72(9):634-47.

Michael JW. Reflections on CAD/CAM in prosthetics and orthotics. J Prosthet Orthot 1989 Apr;1(3): 116-21.

NERAC, Inc. (Tolland, CT). Multifunctional artificial limbs (latest citations from the INSPEC: Information Services for the Physics and Engineering Communities Database. December 1985 - April 1992) [bibliography]. Springfield (VA): NTIS; 1992 Jun. 188 citations. PB92855428XSP.

Neth DC, McGovern TF, Reger SI. Computer aided measurement and fabrication of contoured body supports. In: Technology for the future decade. RESNA '89: proceedings of the 12th annual conference; 1989 Jun 25-30; New Orleans, LA. Washington (DC): RESNA Press; 1989. p. 234-5.

Neth DC, McGovern TF, Reger SI, Kim Y, Spelman FA. Quantification of body shape for contoured support fabrication. In: Kim Y, Spelman FA, eds. Images of the twenty-first century. Proceedings of the 11th Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 1989 Nov 9-12; Seattle, WA. Vol. 5. Piscataway (NJ): IEEE; 1989. p. 1534-5.

Niesing R, Eijskoot F, Kranse R, den Ouden AH, Storm J, Veeger HE, van der Woude LH, Snijders CJ. Computer-controlled wheelchair ergometer. Med Biol Eng Comput 1990 Jul;28(4):329-38.

Oberg K, Kofman J, Karisson A, Lindstrom B, Sigblad G. The capod system - a scandinavian CAD/CAM system for prosthetic sockets. J Prosthet Orthot 1989 Apr;1(3):139-48.

Officer TM. A microprocessor controlled page turner. Biomed Sci Instrum 1991;27:141-4.

Ojala J, Inoue K, Sasaki K, Takamo M. Development of an intelligent wheelchair using computer graphics animation and simulation. Comput Graph Forum 1991 Dec;10(4):285-95.

Peeraer L, Aeyels B, Van der Perre G. Development of EMG-based mode and intent recognition algorithms for a computer-controlled above-knee prosthesis. J Biomed Eng 1990 May;12(3):178-82.

Peeraer L, Tilley K, Van der Perre G. A computer-controlled knee prosthesis: a preliminary report. J Med Eng Technol 1989 Jan-Apr;13(1-2):134-5.

Pelisse F, Marie F, Richard P. The use of a microprocessor for the partial assistance of a prosthesis for above knee amputees. J Microcomp Appl 1990 Apr;13(2):145-53.

Petrillo DK, Wooden VM, Kraft-Fine C, Siegal SG, Cioschi HM. How to equip the quadriplegic patient. Contin Care 1990 Nov;9(11):24-28, 35.

Petrofsky JS, Smith J. A combined computer-controlled walking and exercise system. J Clin Eng 1991 May-Jun;16(3):223-35.

Petrofsky JS, Smith JB. Physiologic costs of computer-controlled walking in persons with paraplegia using a reciprocating-gait orthosis. Arch Phys Med Rehabil 1991 Oct;72(11):890-6.

Phillippe-Auguste JS, Gibbons DT. Simulation and modelling of a microcomputer controlled above-elbow prosthesis. Automedica 1989;11(1-3): 99-109.

Pho RW, Lim SY, Pereira BP. Computer applications in orthopaedics. Ann Acad Med Singapore 1990 Sep;19(5):691-8.

Popovic D, Tomovic R, Tepavac D, Schwirtlich L. Control aspects of active above-knee prosthesis. Int J Man Mach Stud 1991 Dec;35(6):751-67.

Radwin RG, Vanderheiden GC, Lin ML. A method for evaluating head-controlled computer input devices using Fitts' law. Hum Factors 1990 Aug; 32(4):423-38.

Rao S, Kuc R, Buus S. INCH: an intelligent wheelchair prototype. In: Proceedings of the 15th Annual Northeast Bioengineering Conference; 1989 Mar 22-23; Troy, NY. New York: Pergamon Press; 1989. p. 35-6.

Rovetta A. A new technology with an old face and a proud heritage. Mechatron 1991;1(2):117-26.

Rovetta A, Xia W, Cosmi F. Realization of a prosthesis of the lower limb: development of kinematics. Robot Comput Integr Manuf 1991; 8(3):137-42.

Ruder GK. CAD CAM trans-tibial temporary prosthesis: analysis and comparison with an established technique. Prosthet Orthot Int 1992 Dec;16(3):185-95.

Scharer C. A learning man-machine interface for an artificial arm. In: Intelligence for Mechanical Systems. Proceedings IROS '91: IEEE/RSJ International Workshop on Intelligent Robots and Systems '91; 1991 Nov 3-5; Osaka, Japan. Vol. 1. New York: IEEE; 1991. p. 227-30.

Scott Taplin C, Smith M, McLaughlin J, Mathews T. The wheelchair simulator: powered wheelchair assessment and training. Can J Rehabil 1989 Fall; 3(1):49-51.

Sidles JA, Boone DA, Harlan JS, Burgess EM. Rectification maps: a new method for describing residual limb and socket shapes. J Prosthet Orthot 1989 Apr;1(3):149-53.

Snell F. Bringing prosthetics into the 21st century. J Ark Med Soc 1992 Dec;89(7):337-8.

Soh AK, Soh CK, Lau WS. Method for the design and analysis of a non-linear anisotropic lower limb prosthetic socket. J Biomed Eng 1990 Nov;12(6): 470-6.

Sposato BA. Computer-aided shape sensing for prescribing custom contoured seat cushions [master's thesis]. Charlottesville (VA): University of Virginia Press; 1990.

St-Georges M, Valiquette C, Drouin G. Computer-aided design in wheelchair seating. J Rehabil Res Dev 1989 Fall;26(4):23-30.

Stezala D. Application of computer method in motorial stimulation of children with cerebral palsy. Biomed Tech (Berlin) 1990;35 Suppl 2:84-5.

Thornett CE. Designing special switches and control systems for multiply handicapped young people--a problem-led approach. J Med Eng Technol 1990 May-Jun;14(3):87-91.

Thornett CEE. Mobility for very young handicapped children. In: IEE Colloquim on High-Tech Help for the Handicapped 1990 Apr 2; London (UK). London: IEE; 1990. p. 46.

Topper AK, Fernie GR. An evaluation of computer aided design of below-knee prosthetic sockets. Prosthet Orthot Int 1990 Dec;14(3):136-42.

Torres-Moreno R, Morrison JB, Cooper D, Saunders CG, Foort J. A computer-aided socket design procedure for above-knee prostheses. J Rehabil Res Dev 1992 Summer;29(3):35-44.

Torres-Moreno R, Saunders CG, Foort J, Morrison JB. Computer-aided design and manufacture of an above-knee amputee socket. J Biomed Eng 1991 Jan;13(1):3-9.

Tscheuschner R, Rosenberger H. [Computer-assisted optimization of gait assessment--biocybernetic approach for an expert system for designing prostheses]. Biomed Tech (Berlin) 1990; 35 Suppl 3:56-8. (Ger).

Walsh NE, Lancaster JL, Faulkner VW, Rogers WE. A computerized system to manufacture prostheses for amputees in developing countries. J Prosthet Orthot 1989 Apr;1(3):165-81.

Wang TK, Ju MS, Tsuei YG. Adaptative control of above knee electro-hydraulic prosthesis. J Biomech Eng 1992 Aug;114(3):421-4.

Wertsch JJ, Webster JG, Tompkins WJ. A portable insole plantar pressure measurement system. J Rehabil Res Dev 1992 Winter;29(1):13-8.

Wheelchair navigation: a computer-aided primer. Health Care (Don Mills) 1989 Nov-Dec;31(9):11-2, 14.

Wood JE, Meek SG, Jacobsen SC. Quantitation of human shoulder anatomy for prosthetic arm control. I. surface modelling. J Biomech 1989;22(3): 273-92.

Wood JE, Meek SG, Jacobsen SC. Quantitation of human shoulder anatomy for prosthetic arm control--II. anatomy matrices. J Biomech 1989;22(4): 309-25.

Wynarsky GT, Schultz AB. Optimization of skeletal configuration: studies of scoliosis correction biomechanics. J Biomech 1991;24(8):721-32.

Yamaguchi GT. Feasibility and conceptual design of functional neuromuscular stimulation systems for the restoration of natural gait to paraplegics based on dynamic musculoskeletal models [dissertation]. Palo Alto (CA): Stanford University; 1989. 264 p.

Yamaguchi GT, Zajac FE. Restoring unassisted natural gait to paraplegics via functional neuromuscular stimulation: a computer simulation study. IEEE Trans Biomed Eng 1990 Sep;37(9): 886-902.

Zarii KM, Motamedy A, Hashemi RM, Zajc B, Solina F. An approach to redundancy cancelling in order to use a single chip processor for IAV evaluation in cybernetic arm. In: 6th Mediterranean Electrotechnical Conference Proceedings; 1991 May 22-24; Ljublijana, Slovenia. Vol. 1. New York: IEEE; 1991. p. 744-7.

AUDIOVISUALS

Artificial body parts [videocassette]. Princeton (NJ): Films for the Humanities; 1989. 1 videocassette: 26 min., sound, color, 1/2 in.

Assessment and care of the patient with a neck immobilizer [videocassette]. Houston: University of Texas Health Science Center at Houston, UT/TV; 1992. 1 videocassette: 7 min., sound, color; 1/2 in. (Orthopedic nursing series; 1). Credits: Presenter, Lecretia Irrera; content advisor, Velma Fleming; program coordinator, Madeline Bowers. Accompanied by: 1 guide.

Crutchwalking: an overview for nurses [videocassette]. [Spokane (WA)]: I.C.N.E., Learning Resources Unit; 1989. 1 videocassette: sound, color, 1/2 in. Credits: Dena Corwin, Carol Miller, Meryl R. Gersh, project coordinators.

Energy cost of ambulation in paraplegia: comparison of various orthotic management strategies [videocassette]. Washington (DC): Veterans Administration; 1988. 1 videocassette: 46 min., sound, color, 1/2 in. Credits: John L. Merritt. Produced for Seattle VA Medical Center and the Paralyzed Veterans of America.

Evolution of the modern above knee socket [videocassette]. Atlanta: Emory University, Emory Medical Television Network; 1991. 1 videocassette: 46 min., sound, color, 1/2 in. Credits: J. Robin DeAndrade.

Funding of assistive technology for individuals with disabilities [audiocassette]. Washington (DC): RESNA Press; 1990. 6 sound cassettes: 630 min. Credits: Colleen Wieck, Marvin Fifield, Bob Griss, Don Galvin, Karen Vlasch, Allan Bergman, Lewis Golinker, Steven White, J. Plotnik, Ronald Loften, June Kailes, Brenda Carson, et al.

Halo vest orthosis: application & maintenance of the halo vest orthosis [videocassette]. Regional Spinal Cord Injury Center of Delaware Valley. United States: [publisher unknown]; 1991. 1 videocassette: 15 min., sound, color, 1/2 in. Credits: Steve Rizzolo.

Hand splinting for arthritis health professionals [audiocassette]. Atlanta: Arthritis Health Professions Association; 1988. 1 audiocassette: Sides A & B [unknown time]. Recorded at the association's concurrent session, May 23-28, 1988, Houston, TX.

The Henry Ford Hospital cosmetic foot prosthesis [videocassette]. Park Ridge (IL): American Academy of Orthopedic Surgeons; [1991]. 1 videocassette: 8 min., 18 sec., sound, color, 1/2 in. Credits: Kent K. Wu.

Idiopathic scoliosis. Mubarak SJ. Audio Dig Orthop [audiocassette] 1992 Jan;15(1):Side A [presentation 1, 21 min.]. Accompanied by: 1 guide.

Interacting with people in wheelchairs [videocassette]. [Los Angeles]: Medical Electronic Educational Services, Vantage Point Productions; Hospital Satellite Network; 1987. 1 videocassette: 29 min., sound, color with black & white, 1/2 in. Credits: Carol Gill, Richard Mailman, co-hosts.

Knee braces. Drez D Jr. Video J Orthop Surg [videocassette]. 1989;3(5 Pt 2):[presentation 2, 23 min.]. 1 videocassette: sound, color, 1/2 in.

Managing hip dysplasia. Staheli LT. Audio Dig Orthop [audiocassette] 1990 Nov;13(11):Side A [presentation 1, 17 min.]. Accompanied by: 1 guide.

New developments in prosthetics for children Lester EL. Audio Dig Orthop [audiocassette] 1990 Nov; 13(11):Sides A & B [presentation 3, 18 min.]. Accompanied by: 1 guide.

Orthopaedic treatment of spastic diplegia: role of early postoperative mobilization. Sussman M. Audio Dig Orthop [audiocassette] 1989 Feb;12(2):Sides A & B [presentation 1, 40 min.]. Accompanied by: 1 guide.

Orthotic devices for running. D'Ambrosia RD. Audio Dig Orthop [audiocassette] 1991 Nov;14(11):Side B [presentation 2, 18 min.]. Accompanied by: 1 guide.

PTB cast, long-leg cast-braces, and hip spica casts [videocassette]. [United States: American Academy of Orthopedic Surgeons; 1990]. 1 videocassette: 16 min., sound, color, 1/2 in. Credits: Kent K. Wu.

Reach for the stars [videocassette]. Alder D, producer. Vancouver (Canada): Mad Max Music; 1989. 1 videocassette: 22 min., sound, color, 1/2 in.

Rehabilitation: the diabetic amputee [videocassette]. Pechman K. Secaucus (NJ): Network for Continuing Medical Education; 1991. 1 videocassette: 32 min., sound, color, 1/2 in. (NCME telecourse; no. 607). Accompanied by: 1 guide. Issued with: Battered women in your practice?

Rehabilitation technology education for prosthetics, orthotics, and PTA students [computer program + videodisc]. Memphis (TN): Shelby State Community College, Allied Health Department; 1989. Computer disk(s); 1 videodisc: sound, color, 12 in. System requirements: IBM PC, AT, XT, or PS/2 or compatible; IBM InfoWindow and compatible systems.

Sabolich Prosthetic and Research Center documentary [videocassette]. Sabolich J. Oklahoma City: The Center; 1992. 1 videocassette: 120 min., sound, color, 1/2 in.

Shake, rattle & roll: wheelchair dancing [videocassette]. Greenville (NC): East Carolina University, Center for Health Sciences Audiovisual Communication; 1989. 1 videocassette: sound, color, 1/2 in.

Shoes and their modifications [videocassette]. [United States: American Academy of Orthopedic Surgeons; 1991]. 1 videocassette: 15 min., 38 sec., sound, color, 1/2 in. Credits: Kent K. Wu.

Transfer techniques [videocassette]. Garden Grove (CA): Medcom/Trainex; 1990. 2 videocassettes: sound, color, 1/2 in. (Professional skills for the new nursing assistant). Credits: Judith Eighmy, Muriel Greensaft, et al., consultants.

Turning and transferring the patient: good body mechanics are essential [videocassette]. Grisell J. [Houston]: University of Texas Health Science Center at Houston, School of Nursing; 1991. 1 videocassette: 13 min., 30 sec., sound, color, 1/2 in. Credits: Lisa Greenbaum, content expert.

The use of upper extremity prostheses [videocassette]. [United States]: Art Heinze; 1988. 1 videocassette: 49 min., sound, color, 1/2 in.

Wheelchair inspection and cleaning [videocassette]. Austin (TX): Texas Department of Mental Health and Mental Retardation, Richmond State School, Staff Development; 1992. 1 videocassette: 7 min., sound, color, 1/2 in. Accompanied by: 1 guide.

Wheelchair use and safety [videocassette]. Austin (TX): Texas Department of Mental Health and Mental Retardation, Richmond State School, Staff Development; 1992. 1 videocassette: 11 min., sound, color, 1/2 in. Accompanied by: 1 guide.

APPENDIX OF ORGANIZATIONS

AFTER Rehabilitation and Training Center for Limb Birth Deficiencies/Amputations
8408 W. McNab Rd.
Tamarac, FL 33321
Tel. (301) 721-1140

American Academy of Neurological and Orthopaedic Medicine and Surgery
737 N. Michigan Ave., Suite 108
Las Vegas, NV 89102-4592
Tel. (702) 385-6886

American Academy of Orthotists and Prosthetists
1650 King St., Suite 500
Alexandria, VA 22314
Tel. (703) 836-7118

American Academy of Physical Medicine and Rehabilitation
122 South Michigan Ave., Suite 1300
Chicago, IL 60603 (publishes *Archives of Physical Medicine and Rehabilitation*)
Tel. (312) 922-9366

American Academy of Podiatric Sports Medicine (AAPSM)
1729 Glastonberry Rd.
Potomac, MD 20854
Tel. (301) 424-7440

American Amputee Foundation (AAF)
Box 250218, Hillcrest Station
Little Rock, AR 72225
Tel. (501) 666-2523

American Association for Hand Surgery (AAHS)
2934 Fish Hatchery Rd., Suite 210
Madison, WI 53713
Tel. (608) 273-8940

American Board for Certification in Orthotics and Prosthetics (ABC)
1650 King St., Suite 500
Alexandria, VA 22314
Tel. (703) 836-7114

American Board of Orthopaedic Surgery
737 N. Michigan Ave., Suite 1150
Chicago, IL 60611
Tel. (312) 664-9444

American Board of Physical Medicine and Rehabilitation
c/o Dr. Gordon M. Martin
Norwest Center, Suite 674
21 First St., SW
Rochester, MN 55902
Tel. (507) 282-1776

American Burn Association (ABA)
c/o Andrew M. Munster, M.D.
Baltimore Regional Burn Center
Francis Scott Key Hospital
4940 Eastern Ave.
Baltimore, MD 21224
Tel. (800) 548-2876

American College of Foot Surgeons (ACFS)
444 N. Northwest Hwy., Suite 155
Park Ridge, IL 60068
Tel. (708) 292-2237

American Diabetes Association
1660 Duke St.
Alexandria, VA 22314 (publishes *Diabetes*)
Tel. (703) 549-1500, (800) 232-3472

American Occupational Therapy Association (AOTA)
1383 Piccard Dr., P.O. Box 172
Rockville, MD 20849-1725 (publishes *American Journal of Occupational Therapy*)
Tel. (301) 948-9633

American Orthotic and Prosthetic Association (AOPA)
1650 King St., Suite 500
Alexandria, VA 22314 (publishes *Journal of Prosthetics and Orthotics*)
Tel. (703) 836-7116

American Paralysis Association
500 Morris Ave.
Springfield, NJ 07081
Tel. (201) 379-2690, (800) 526-3456

American Physical Therapy Association
1111 North Fairfax St.
Alexandria, VA 22314 (publishes *Physical Therapy* and *Clinical Management in Physical Therapy*)
Tel. (703) 684-2782, ext. 3212

American Podiatric Medical Association
9312 Old Georgetown Rd.
Bethesda, MD 20814 (publishes *Journal of the American Podiatric Association*)
Tel. (301) 571-9200

American Society for Hand Therapists (ASHT)
1002 Vandora Springs Rd., Suite 101
Garner, NC 27529
Tel. (919) 779-ASHT

American Society for Surgery of the Hand (ASSH)
3025 S. Parker Rd., Suite 65
Aurora, CO 80014
Tel. (303) 755-4588

American State of the Art Prosthetic Association
1156 15th St., NW, Suite 1100
Washington, DC 20005
Tel. (202) 659-2909

American Wheelchair Bowling Association (AWBA)
N54 WI5858 Larkspur Ln.
Menomonee Falls, WI 53051
Tel. (414) 781-6876

Amputee Coalition
6300 N. River Rd.
Rosemont, IL 60018
Tel. (708) 698-1628

Amputee Shoe and Glove Exchange (ASGE)
P.O. Box 27067
Houston, TX 77227

Amputee Sports Association, Inc.
P.O. Box 60129
Savannah, GA 31420-0129
Tel. (912) 927-5406

Amputees in Motion (AIM)
P.O. Box 2703
Escondido, CA 92033
Tel. (619) 454-9300

Association of Academic Physiatrists (AAP)
7100 Lakewood Bldg., Suite 112
5987 E. 71st St.
Indianapolis, IN 46220 (publishes *American Journal of Physical Medicine and Rehabilitation*)
Tel. (317) 845-4200

Association of Children's Prosthetic-Orthotic Clinics (ACPOC)
222 S. Prospect Ave.
Park Ridge, IL 60068 (publishes *Journal of the Association of Childrens Prosthetic-Orthotic Clinics*, which includes their annual proceedings)
Tel. (708) 698-1694

Association of Rehabilitation Nurses
5700 Old Orchard Rd., 1st Floor
Skokie, IL 60077 (publishes *Rehabilitation Nursing*)
Tel. (708) 966-0050

Biomedical Engineering Society (BMES)
P.O. Box 2399
Culver City, CA 90231
Tel. (213) 618-9322

Foundation for Hand Research (FHR)
310 E. 30th St.
New York, NY 10016
Tel. (212) 685-3834

Institute of Electrical and Electronics Engineers (IEEE)
345 E. 47th St.
New York, NY 10017
Tel. (212) 705-7900

Institute of Rehabilitation and Research
Information Service Center
1333 Moursund
Houston, TX 77030
Tel. (713) 797-5947

International Association of Orthotists and Prosthetists
108, rue Prince Baudouin
B-1080 Brussels, BELGIUM
Tel. 2 4269966

International Federation of Societies for Surgery of the Hand (IFSSH)
c/o Miguel Vargas Busquest, M.D.
165 E. Mendez Vigo St.
Mayaguez, PR 00680
Tel. (809) 833-3248

International Society for Prosthetics and Orthotics (ISPO)
Borgervaenget 5 (publishes *Prosthetics and Orthotics International*)
DK-2100 Copenhagen, DENMARK

International Stoke Mandeville Wheelchair Sports Federation
Hayward House
Barnard Crescent
Aylesbury, Bucks. HP21 9PP, ENGLAND
Tel. 844 436179

International Wheelchair Aviators (IWA)
c/o Bill Blackwood, Sec.
1117 Rising Hill Way
Escondido, CA 92029
Tel. (619) 746-5018

International Wheelchair Road Racers Club (IWRRC)
c/o Joseph M. Dowling, Pres.
30 Myano Ln., Box 3
Stamford, CT 06902
Tel. (203) 967-2231

March of Dimes Birth Defects Foundation
1275 Mamaroneck Ave.
White Plains, NY 10605
Tel. (914) 428-7100

National Amputation Foundation (NAF)
12-45 150th St.
Whitestone, NY 11357
Tel. (718) 767-0596

National Association of Orthopaedic Nurses (NAON)
North Woodbury Rd., Box 56
Pitman, NJ 08071 (publishes *Orthopaedic Nursing*)
Tel. (609) 582-0111

National Center for Medical Rehabilitation Research
National Institute of Child Health and Human Development
Executive Plaza South, Room 450
Bethesda, MD 20892-9904
Tel. (301) 402-2242

National Diabetes Information Clearinghouse
Box NDIC
Bethesda, MD 20892
Tel. (301) 468-2162

National Foundation of Wheelchair Tennis (NFWT)
940 Calle Amanecer, Suite B
San Clemente, CA 92672
Tel. (714) 361-6811

National Handicapped Sports (NHS)
4405 East-West Hwy., Suite 603
Bethesda, MD 20814
Tel. (301) 652-7505

National Institute for Burn Medicine (NIBM)
909 E. Ann St.
Ann Arbor, MI 48104
Tel. (313) 769-9000

National Institute of Arthritis and Musculoskeletal and Skin Diseases
Information Office
Building 31, Room 4C05
9000 Rockville Pike
Bethesda, MD 20892
Tel. (301) 496-8188

National Institute on Aging
Information Office
Building 31, Room 5C27
9000 Rockville Pike
Bethesda, MD 20892
Tel. (301) 496-1752

National Institute on Disability and Rehabilitation Research
Department of Education
Mary E. Switzer Building
Washington, DC 20202-2572
Tel. (202) 205-9151

National Rehabilitation Association
633 South Washington St.
Alexandria, VA 22314-4193 (publishes *Journal of Rehabilitation Administration*)
Tel. (703) 836-0850

National Rehabilitation Information Center (NARIC)
8455 Colesville Rd., Suite 935
Silver Spring, MD 20910 (produces *NARIC* database)
Tel. (301) 588-9284, (800) 34-NARIC

National Scoliosis Foundation
72 Mt. Auburn St.
Springfield, NJ 07081
Tel. (617) 926-0397

National Spinal Cord Injury Association
600 W. Cummings Park, Suite 2000
Woburn, MA 01801
Tel. (617) 935-2722

National Wheelchair Athletic Association (NWAA)
3595 E. Fountain Blvd., Suite L-1
Colorado Springs, CO 80910
Tel. (719) 574-1150

National Wheelchair Basketball Association (NWBA)
Univ. of Kentucky
110 Seaton Bldg.
Lexington, KY 40506-0219
Tel. (606) 257-1623

National Wheelchair Softball Association (NWSA)
1616 Todd Ct.
Hastings, MN 55033
Tel. (612) 437-1792

Osteogenesis Imperfecta Foundation
c/o Vonnie H. Coleman
5005 W. Laurel, Suite 210
Tampa, FL 33607-3836
Tel. (813) 855-7077

Paralyzed Veterans of America (PVA)
801 18th St. NW
Washington, DC 20006
Tel. (202) 872-1300

Prosthetics Research Study
720 Broadway, 3rd Floor
Seattle, WA 98122
Tel. (206) 328-3116

Rehabilitation Engineering Society of North America (RESNA)
1101 Connecticut Ave., NW, Suite 700
Washington, DC 20036 (publishes *Assistive Technology Journal* and *RESNA Proceedings*)
Tel. (202) 857-1199

Rehabilitation Research and Development Service
Office of Technology Transfer (110A1)
Veterans Administration Prosthetics Research and Development Center
103 South Gay St.
Baltimore, MD 21202 (publishes *Journal of Rehabilitation Research and Development*, its *Supplements*, and annual *Rehabilitation R&D Research Progress Reports*)
Tel. (410) 962-1800

Scoliosis Research Society
222 South Prospect
Park Ridge, IL 60068
Tel. (312) 698-1627

United Cerebral Palsy Associations
Seven Penn Plaza, Suite 804
New York, NY 10001
Tel. (212) 268-5962, (800) USA-1UCP

Wheelchair Motorcycle Association (WMA)
101 Torrey St.
Brockton, MA 02401
Tel. (508) 583-8614

Wheelchair Tennis Players Association (WTPA)
940 Calle Amanecer, Suite B
San Clemente, CA 92672
Tel. (714) 361-6811