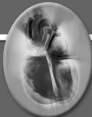
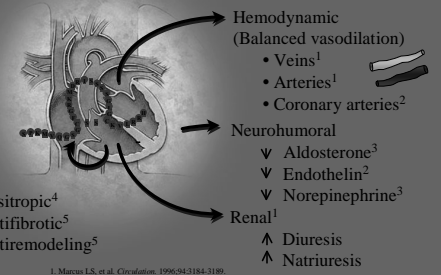


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Pharmacologic Actions of Endogenous hBNP



Hemodynamic
(Balanced vasodilation)

- Veins¹
- Arteries¹
- Coronary arteries²

Neurohumoral

- ▼ Aldosterone³
- ▼ Endothelin²
- ▼ Norepinephrine³

Renal¹

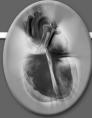
- ▲ Diuresis
- ▲ Natriuresis

Cardiac

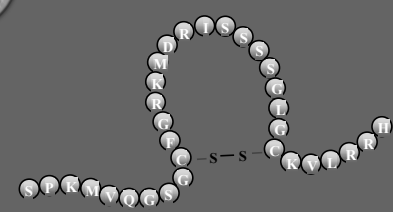
- Lusitropic⁴
- Antifibrotic⁵
- Antiremodeling⁵

1. Marcus LS, et al. *Circulation*. 1996;94:3184-3189.
2. Zellmer C, et al. *Am J Physiol*. 1999;278(3 pt 2):H1049-H1057.
3. Abraham WT, et al. *J Card Fail*. 1998;4:37-44.
4. Clarkson PM, et al. *Circulation*. 1996;93:2037-2042.
5. Tamura N, et al. *Proc Natl Acad Sci USA*. 2003;100:4239-4244.

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Nesiritide: Recombinant Human BNP



- Nesiritide hBNP
- Recombinant DNA technology
- Same amino acid sequence as endogenous hBNP

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Nesiritide [package insert], Sunnyvale, CA: Scios Inc; August 2001.

