The cervical enlargement extends from the third cervical to the second thoracic spinal cord segments. Its greatest circumference is at the sixth cervical segment, situated between the C3 and T2 vertebral levels.

The cervical enlargement is the source of large spinal nerves supplying the upper limbs.

The pia mater is the deepest layer of the spinal meninges it closely invests the surface of the spinal cord and passes into the anterior median fissure. Over the surface of the spinal cord there is a subpial collagenous layer, thicker in the cervical region, which is continuous with the ligamentum denticulatum.