

Nerves

- I. Typical spinal nerve
 - A. Ventral root
 - function – carries axons from lower motor neurons (skeletal muscle innervation), preganglionic sympathetic motor neurons (ventral roots T1–L2) and preganglionic parasympathetic motor neurons (ventral roots S2–4)
 - B. Dorsal root
 - function – carries axons from primary sensory neurons innervating skin, fascia, joints, muscles, bones, blood vessels and/or viscera
 - 1. Dorsal root ganglion
 - function – houses cell bodies of primary sensory neurons
 - C. Ventral ramus
 - function – carries axons from primary sensory neurons, lower motor neurons and postganglionic sympathetic neurons (ventral rami S2–4 also carry axons from preganglionic parasympathetic neurons) innervating anterior neck, thoracic wall, abdominal wall, pelvic wall, upper extremity and lower extremity
 - D. Dorsal ramus
 - function – carries axons from primary sensory neurons, lower motor neurons and postganglionic sympathetic neurons innervating posterior neck and back structures (skin, fascia, muscles, ligaments, bones, joints & vessels)
- II. Spinal Cord
 - A. Surface features
 1. Cervical enlargement
 2. Lumbar enlargement
 3. Conus [L. cone] medularis
 - B. Meninges
 1. Dura [L. hard] mater
 2. Arachnoid [G. spider like] mater
 3. Pia [L. tender] mater