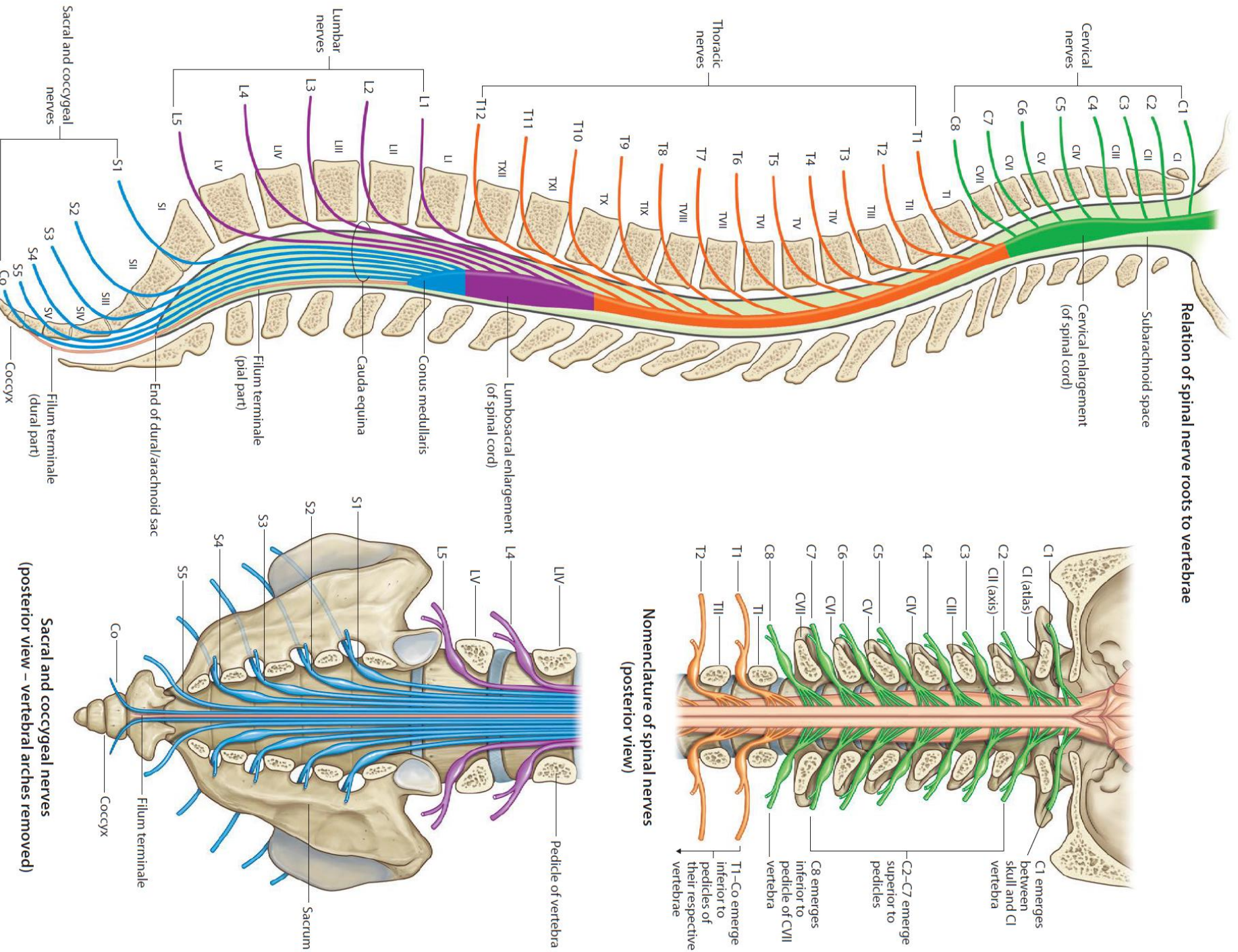
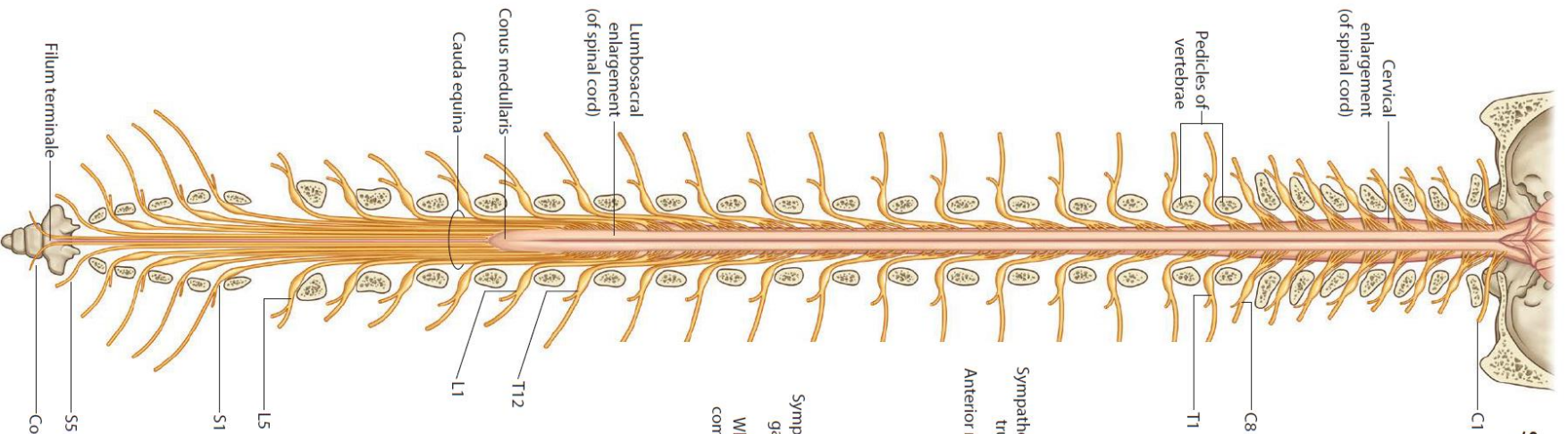


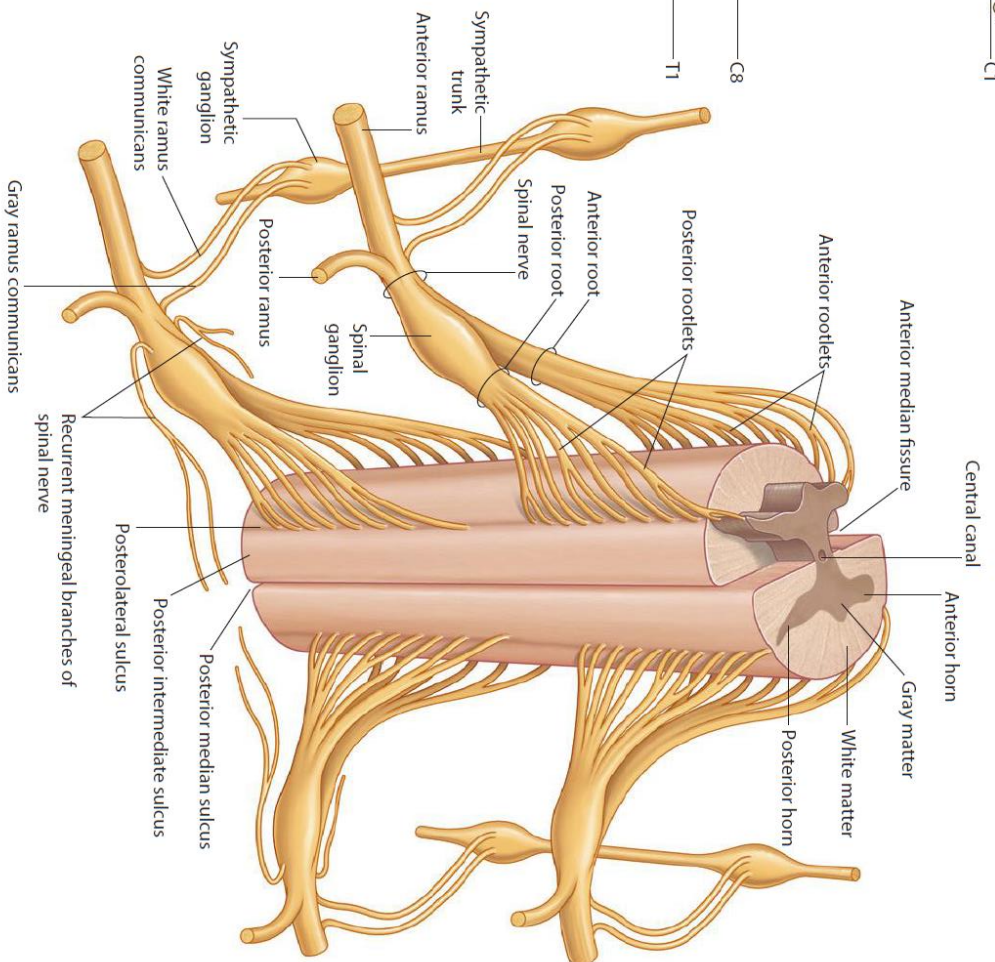
Spinal Nerves & Spinal Canal

Spinal Nerves & Spinal Cord Regions

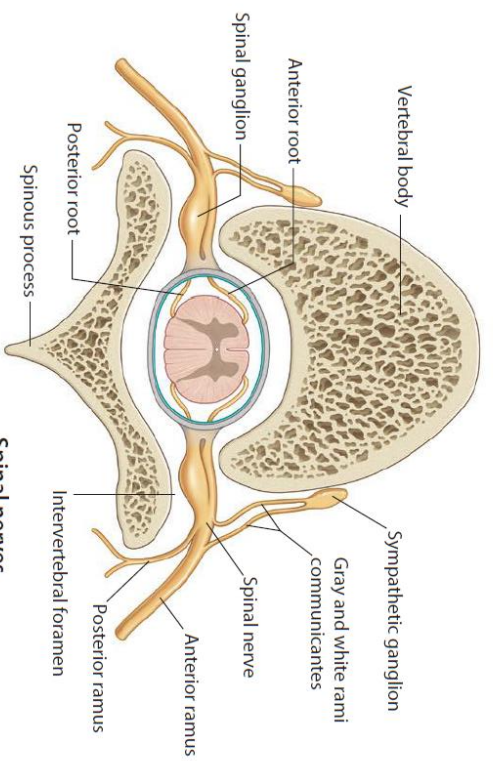




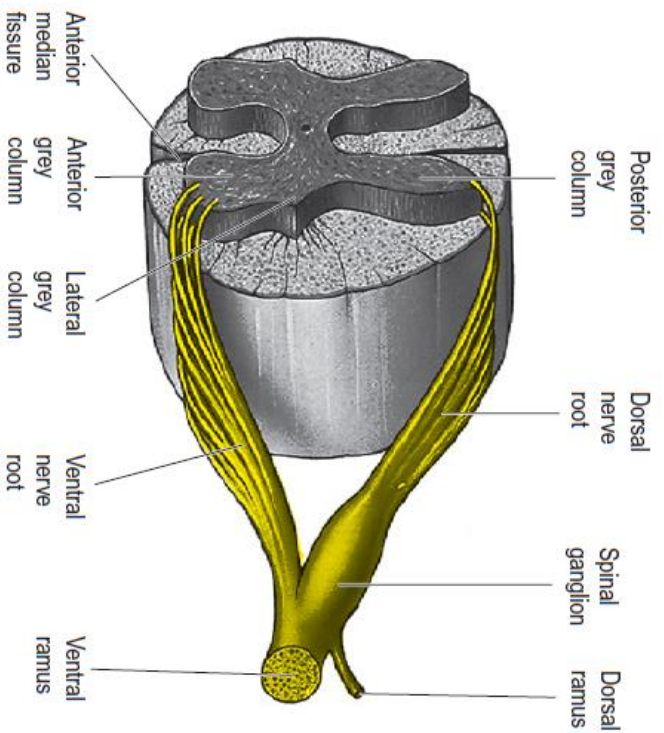
Spinal cord and spinal nerves in vertebral canal



Features of the spinal cord (thoracic region) and basic organization of a spinal nerve (posterior view)

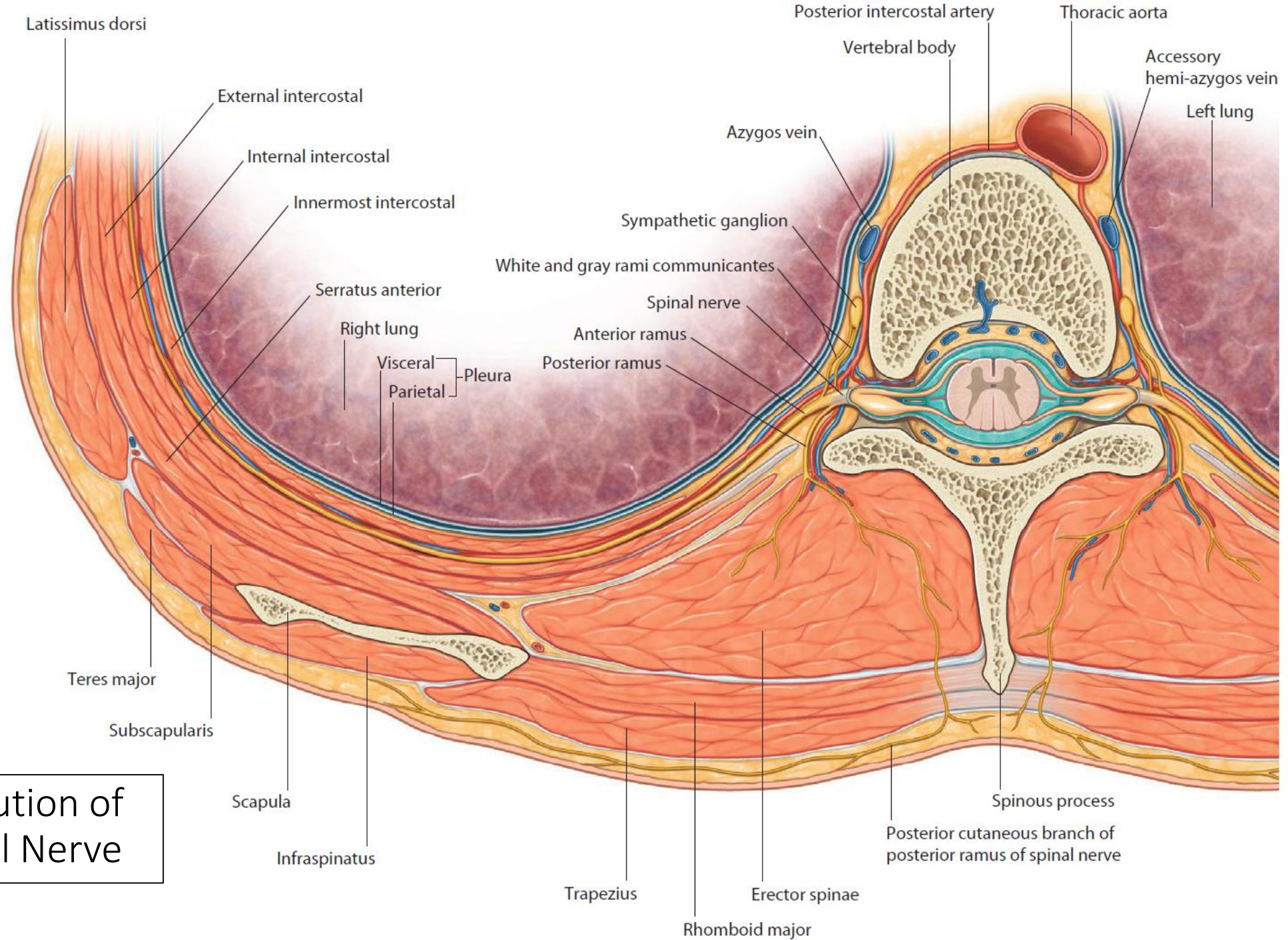


Spinal nerves (transverse section)

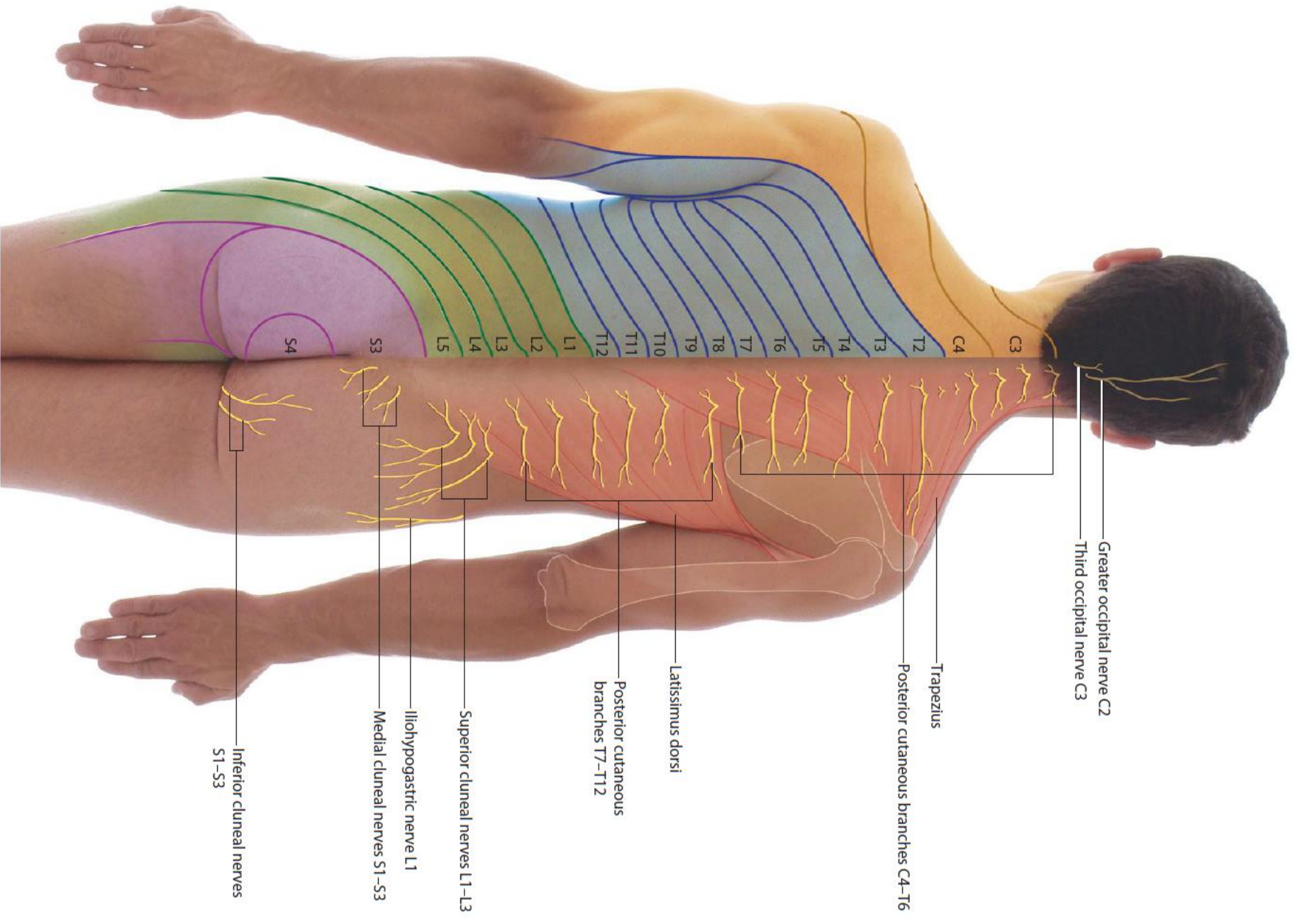


Roots
Nerve
Rami





Distribution of a Spinal Nerve



Dermatomes and cutaneous nerves of the back

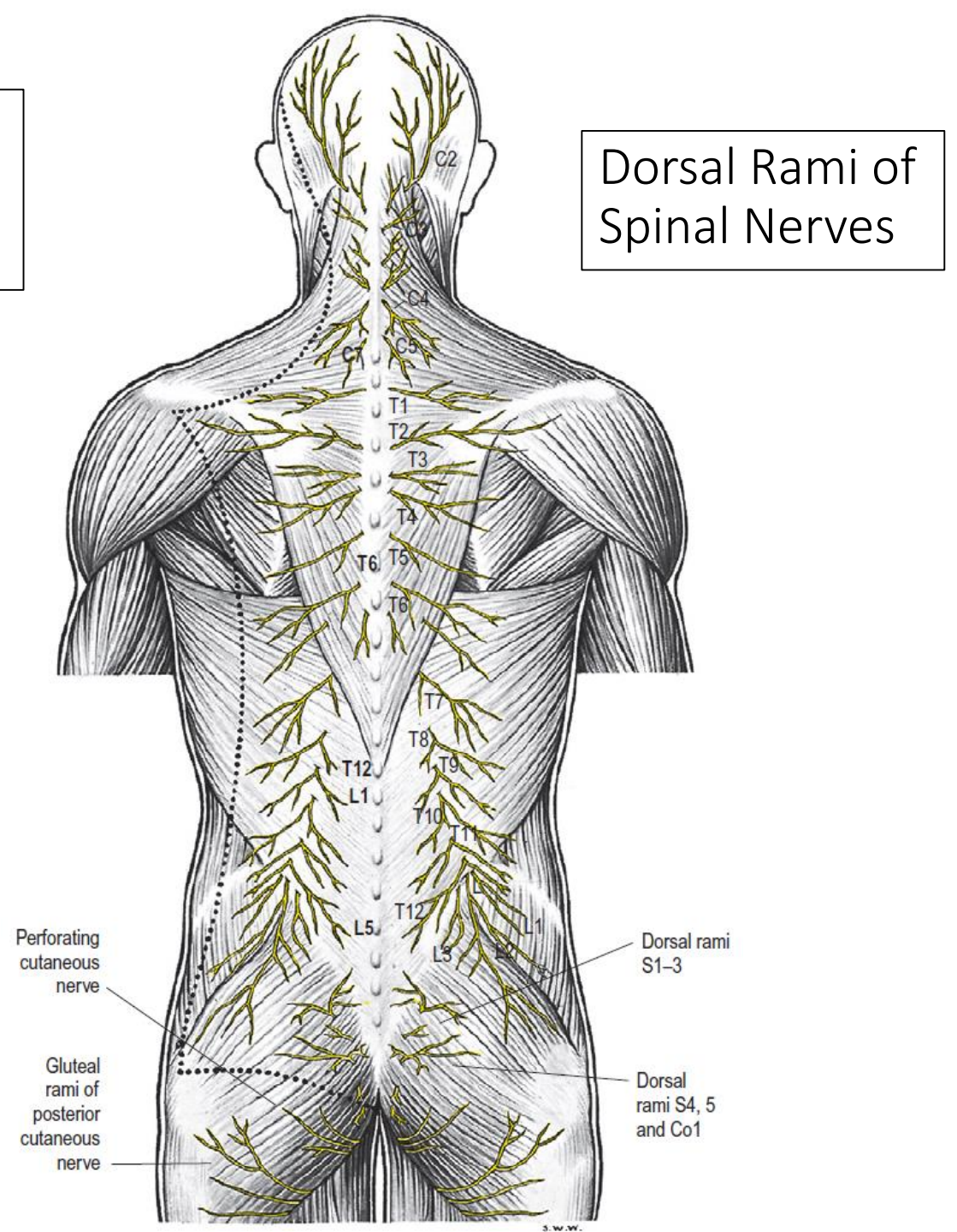
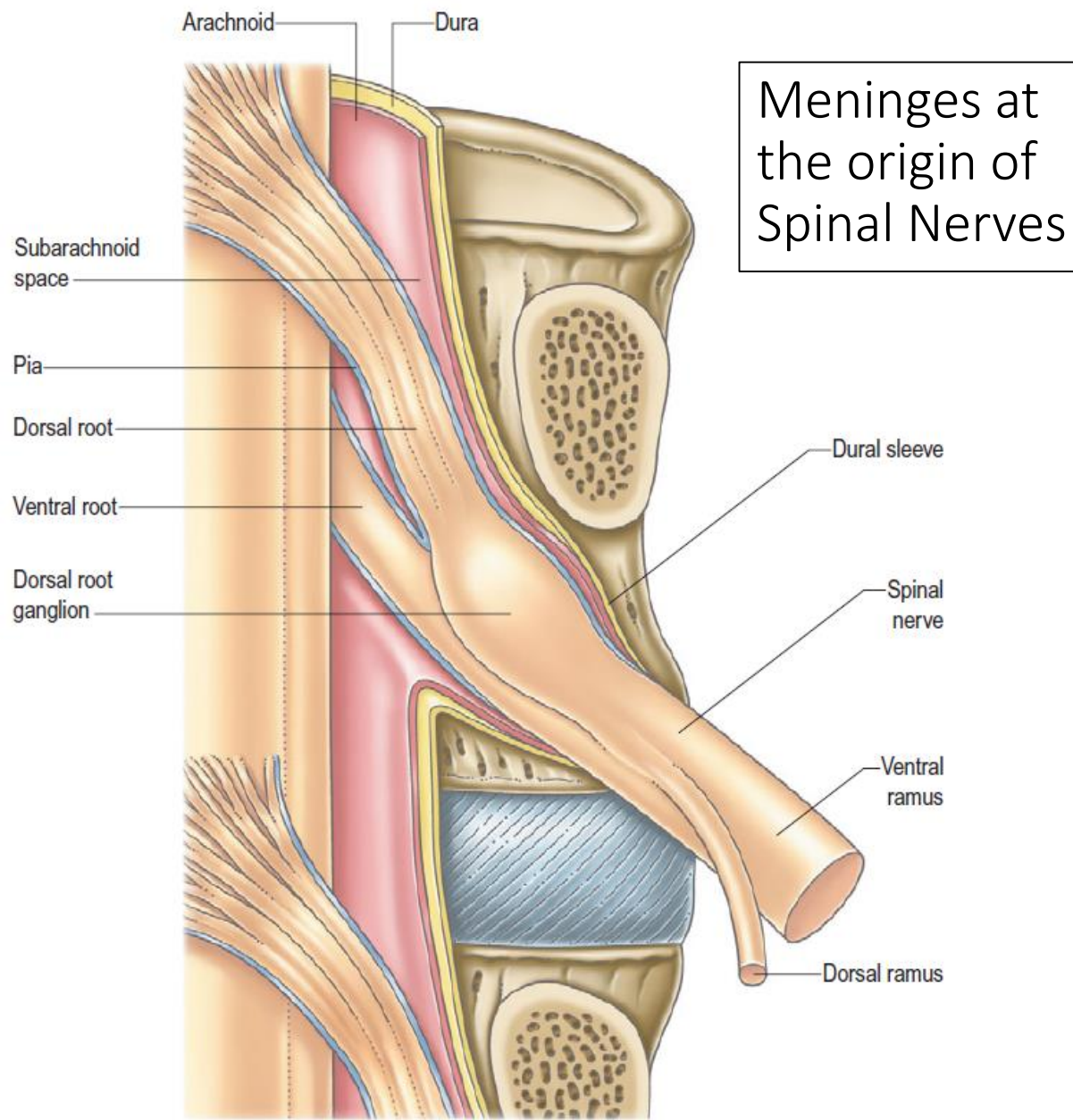


Fig. 8.13 Lumbar spinal nerve and its roots and meningeal coverings.

The Autonomic Nervous System

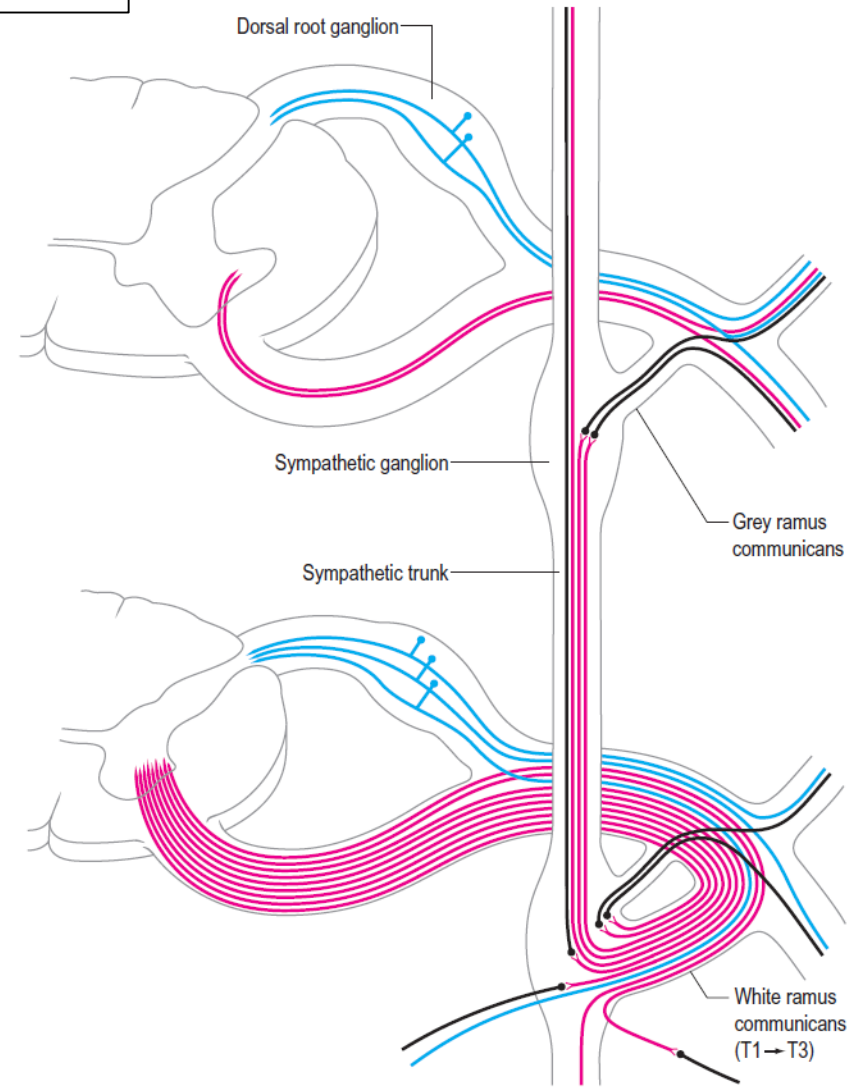
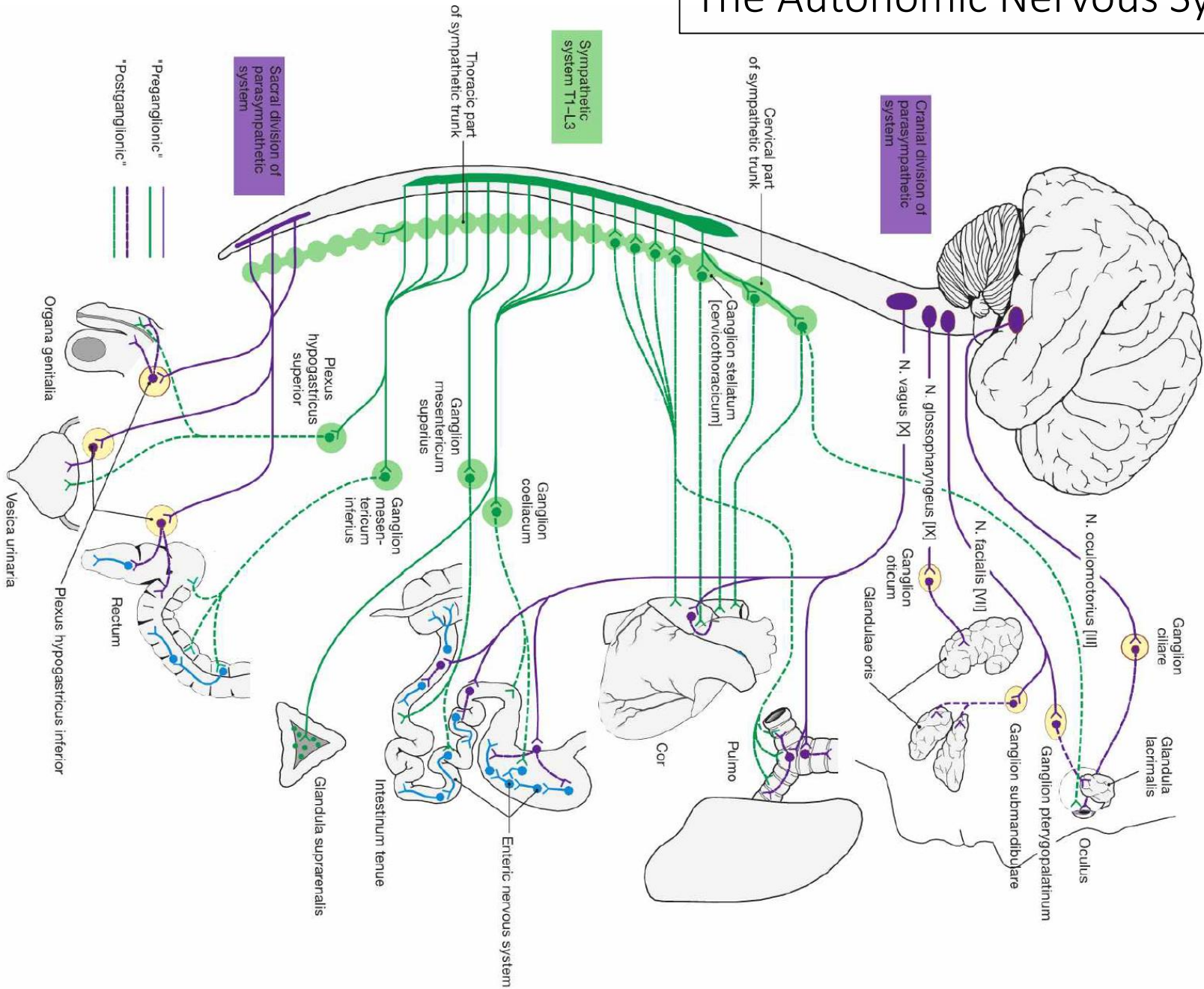
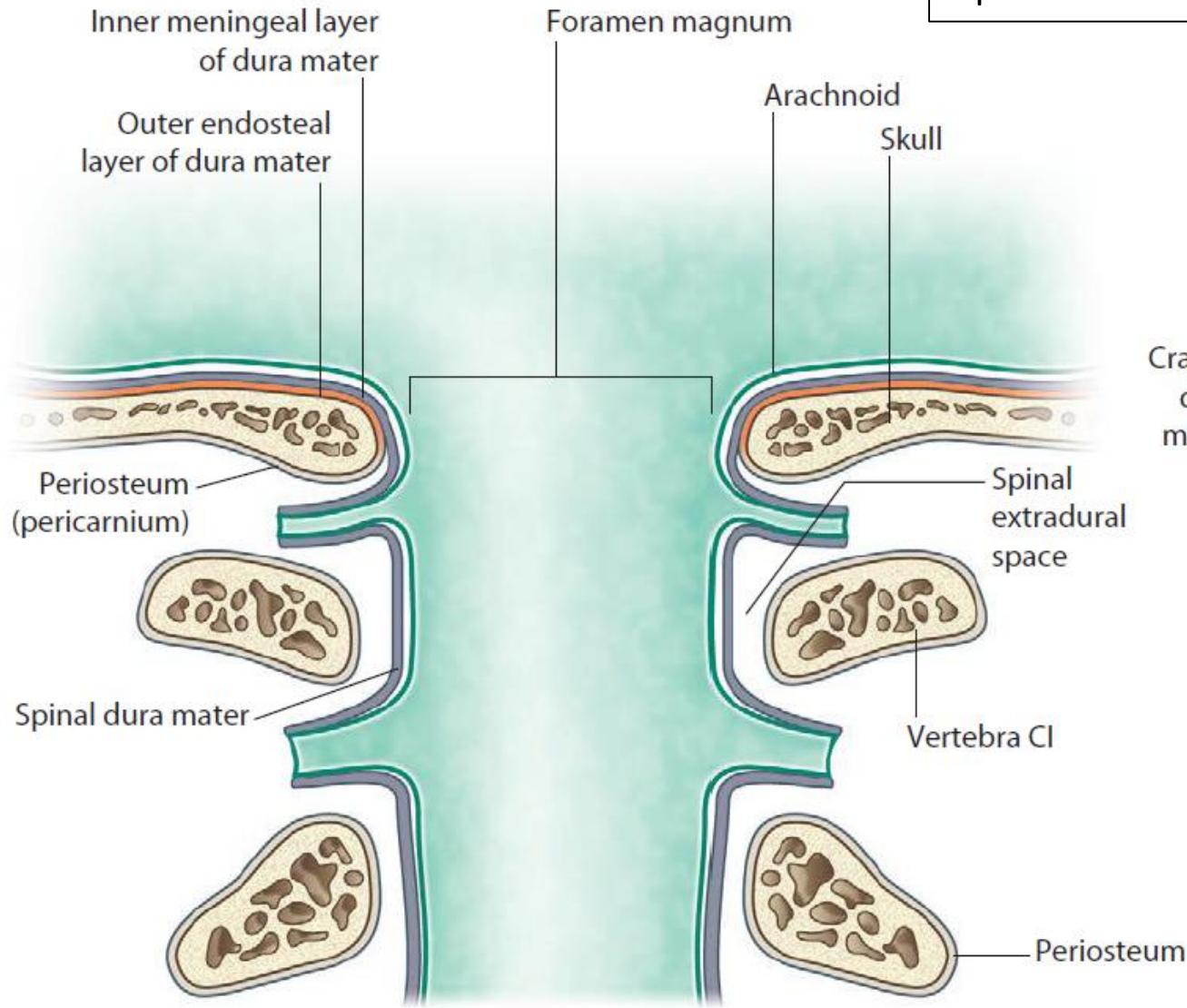
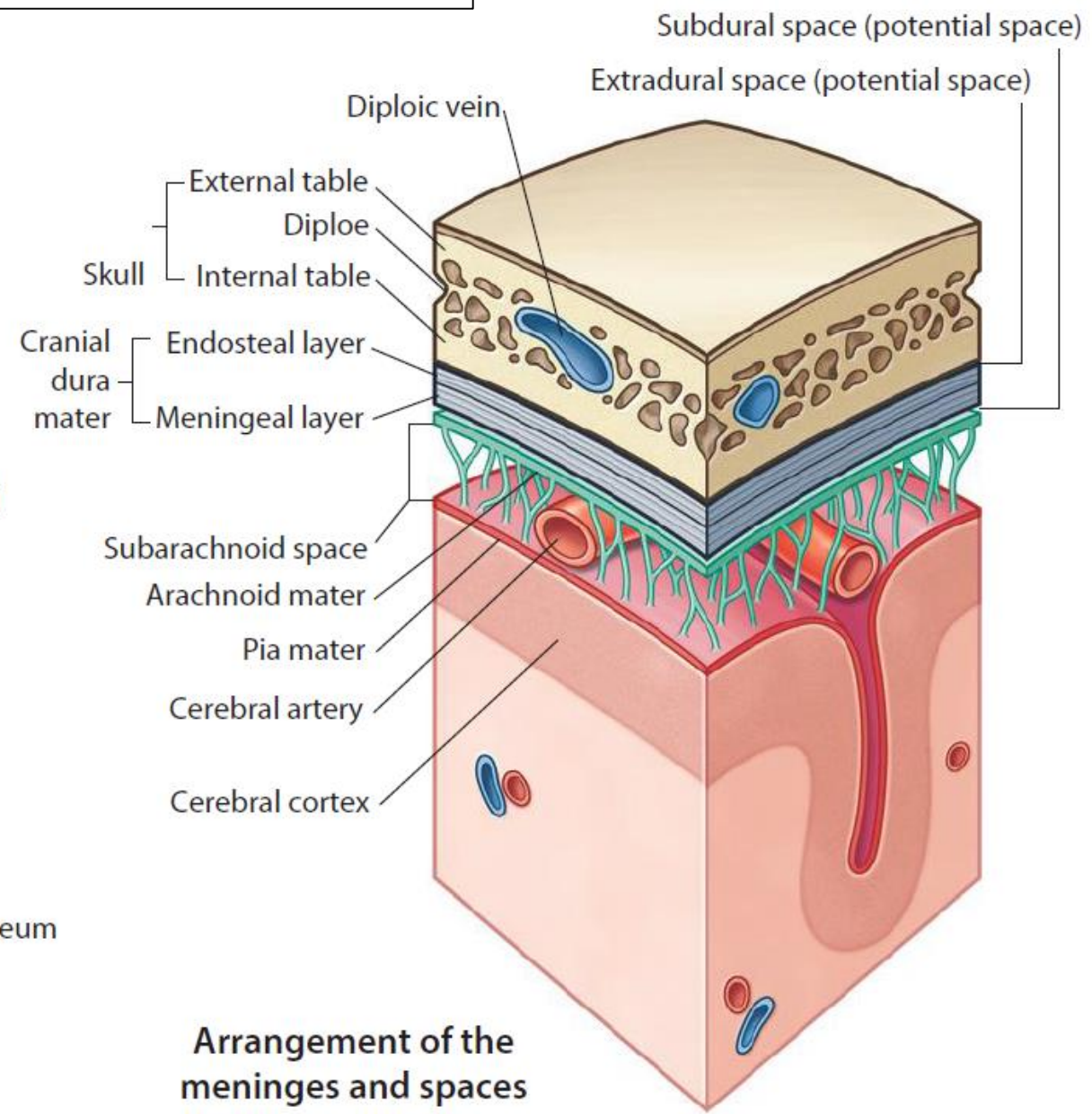


Fig. 8.12 Constitution of a typical spinal nerve. The upper part of the diagram shows the somatic components of the spinal nerve roots; the lower part shows the visceral components: somatic efferent and preganglionic sympathetic fibres (red), somatic and visceral afferent fibres (blue) and postganglionic sympathetic fibres (black).

Spinal & Cranial Meninges

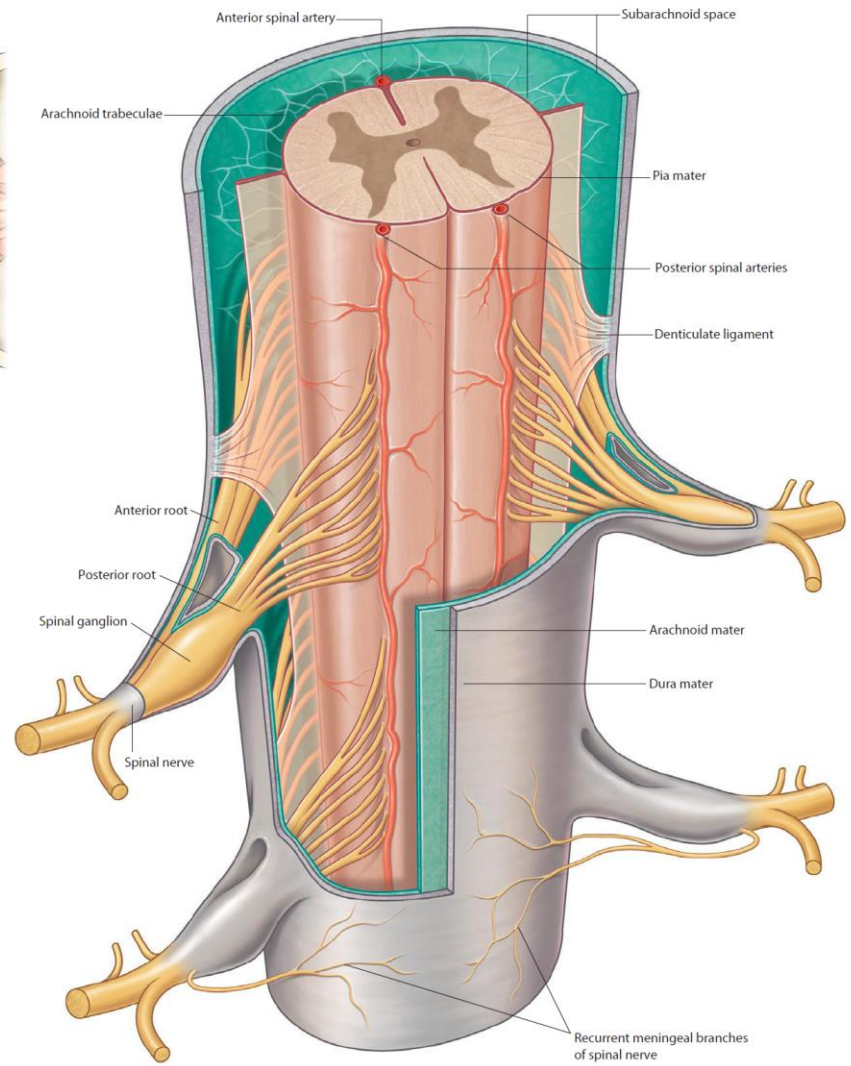


Continuity of cranial meninges with spinal meninges

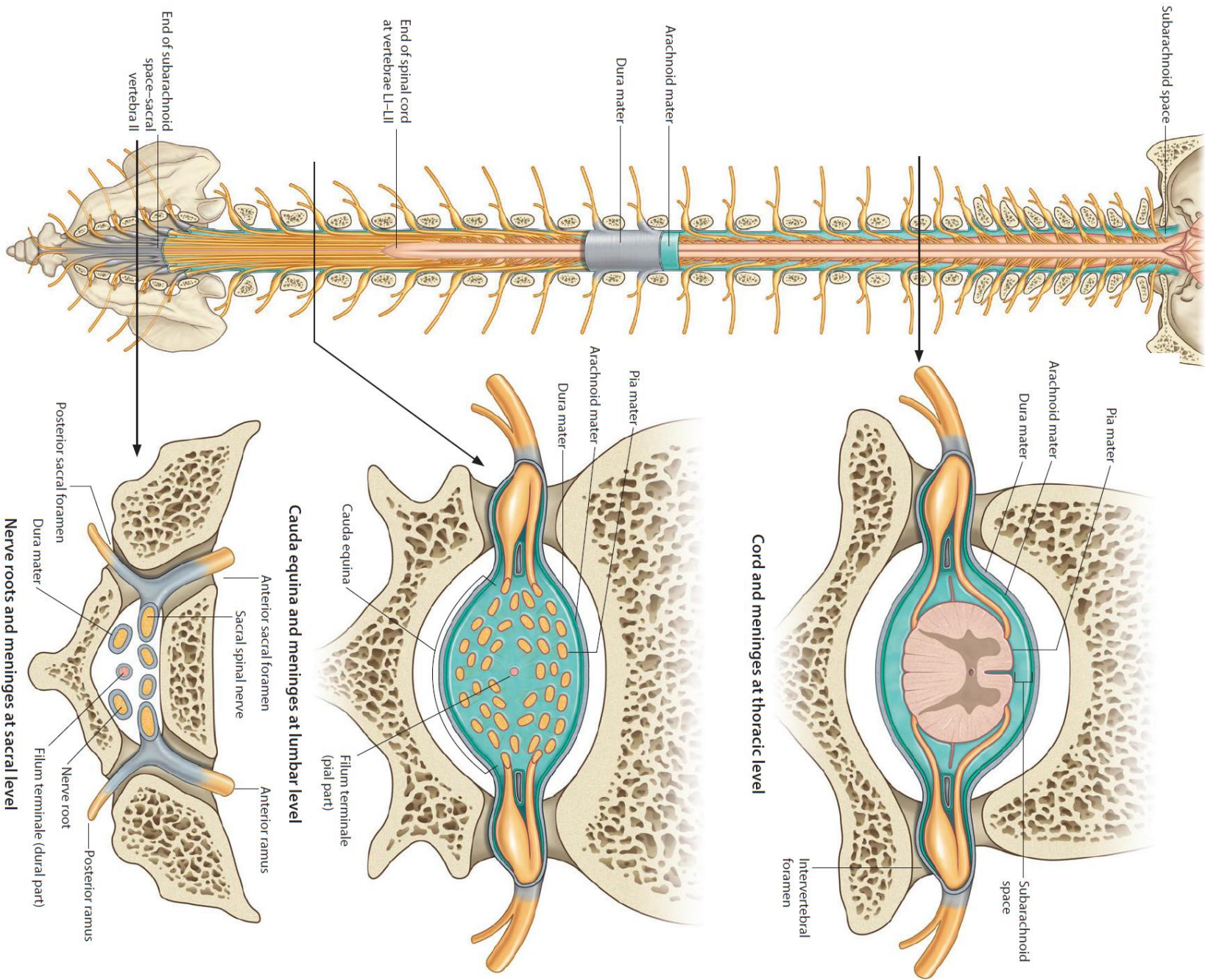


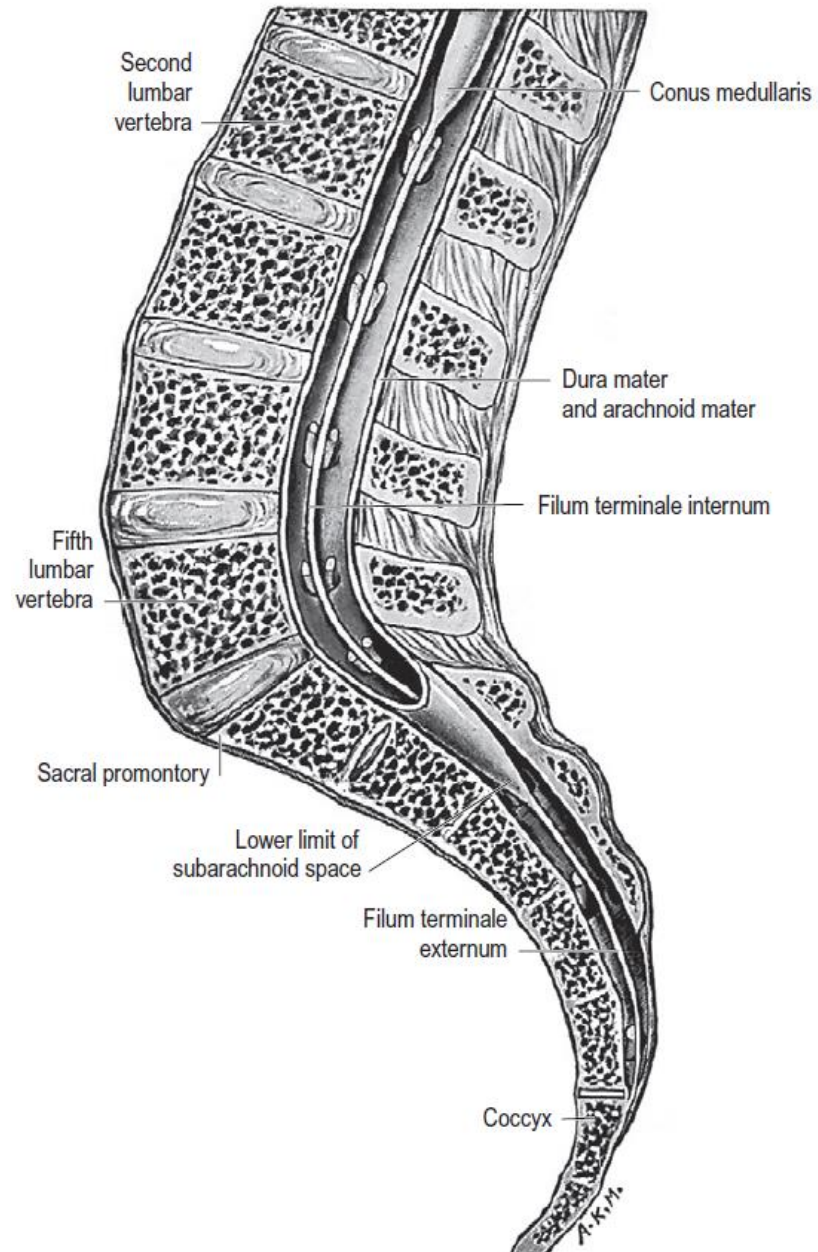
Arrangement of the meninges and spaces

Spinal Meninges



Meninges covering parts of the thoracic region of the spinal cord (posterior view)





Cauda Equina & Filum Terminale

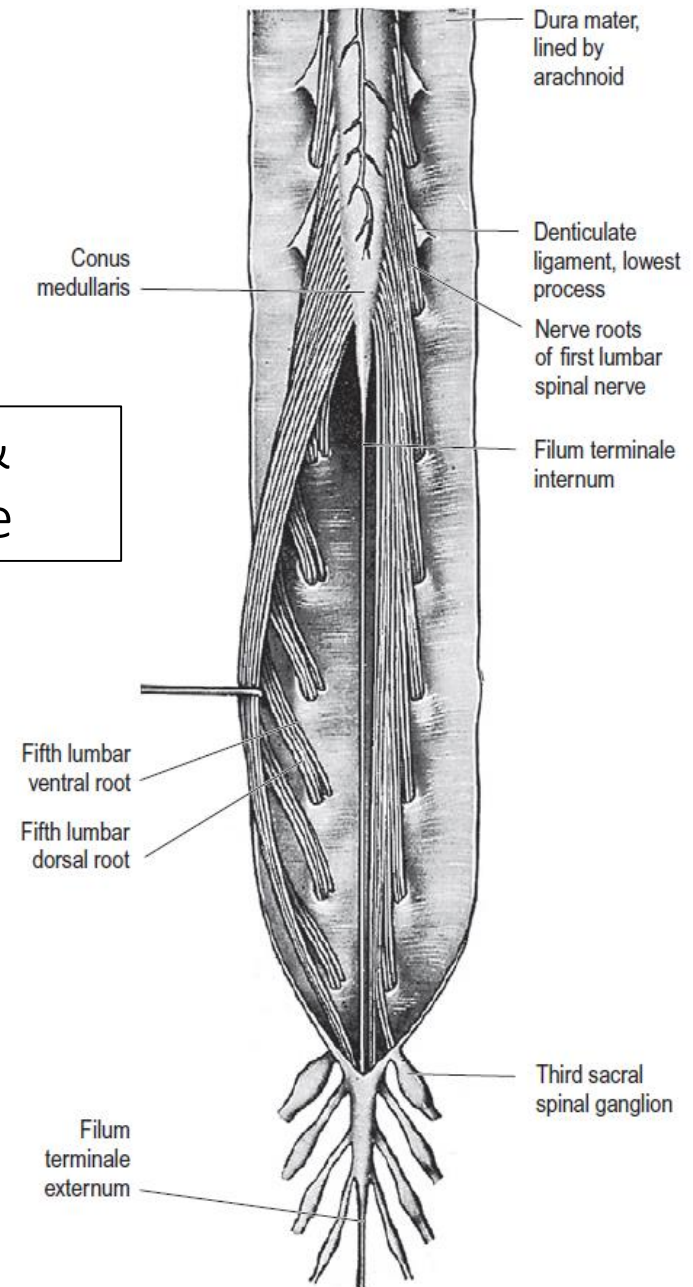


Fig. 8.4 Lower end of the spinal cord, filum terminale and cauda equina exposed from behind. The dura mater and the arachnoid have been opened and spread out.

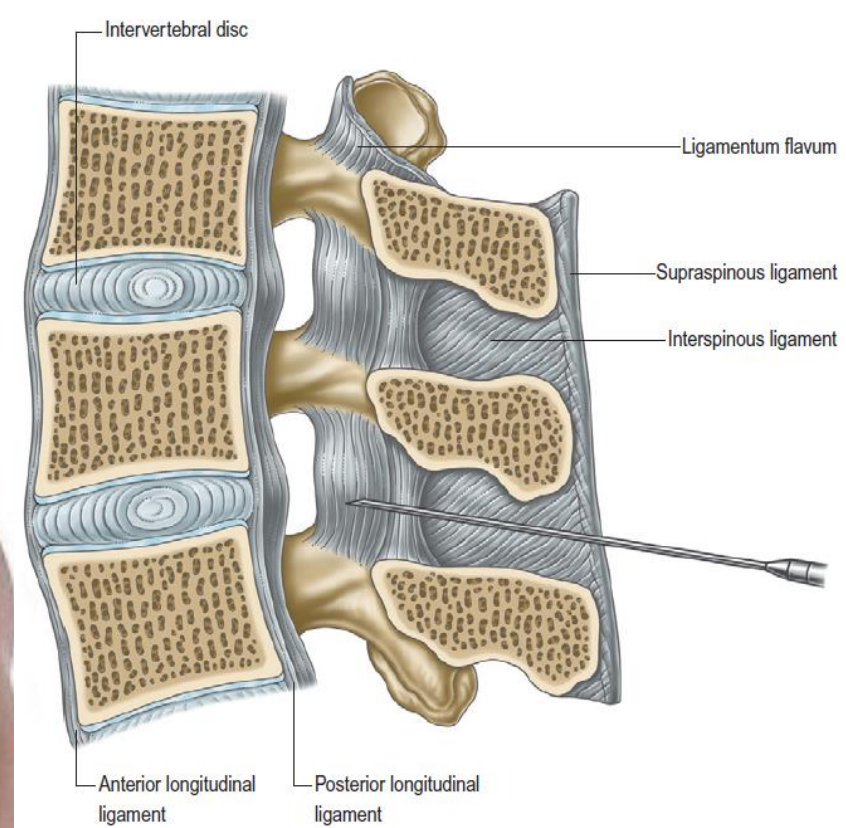
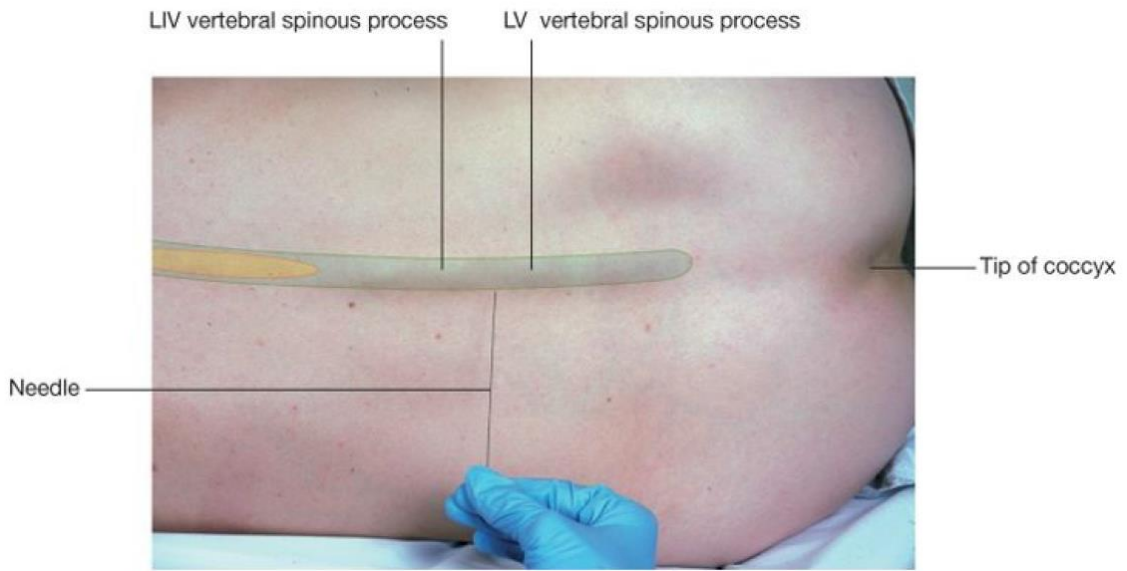


Fig. 7.3 Position of the needle in lumbar puncture.

Inferior end of spinal cord
(normally between
L1 and L2 vertebra)

Inferior end of
subarachnoid space

TXII vertebral spinous process

LIV vertebral spinous process

SII vertebral spinous process

Tip of coccyx

Lumbar Puncture

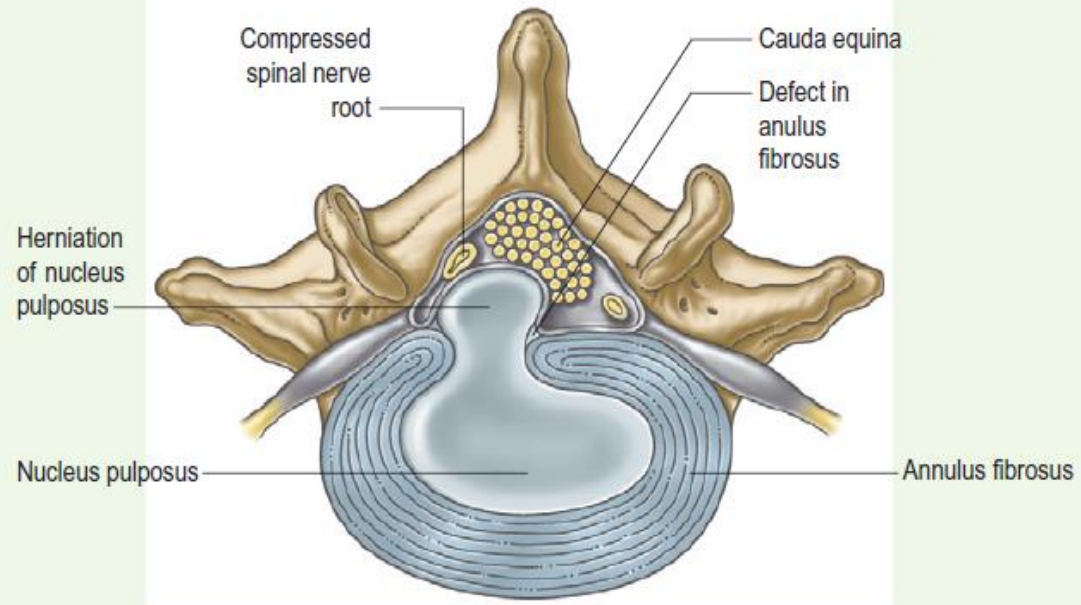
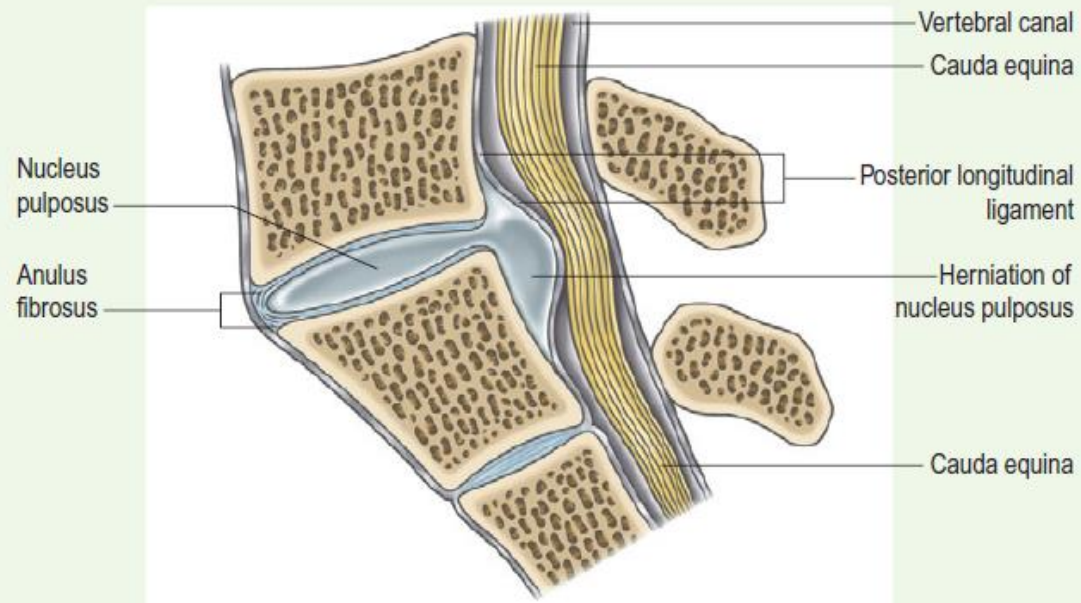


Fig. 7.9 Posterolateral disc prolapse. (By permission from Moore, K.,

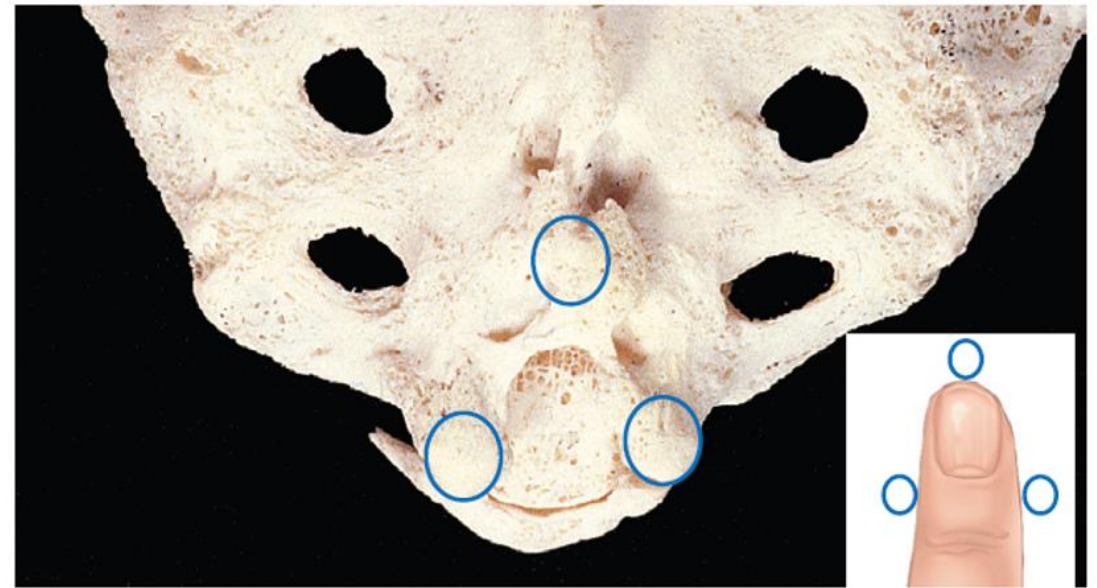


Fig. 7.4 Palpation of the sacral cornua for caudal epidural injection. (With

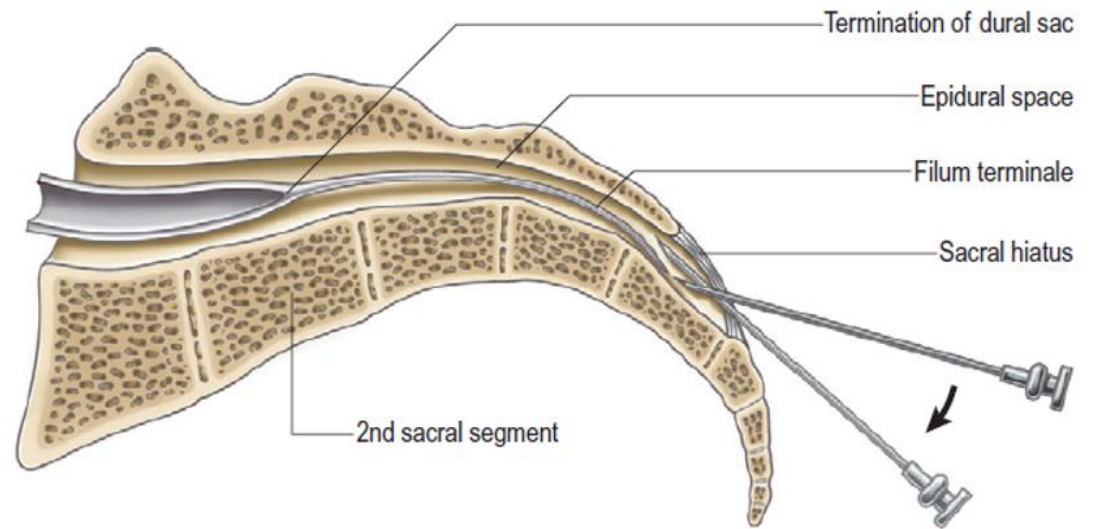
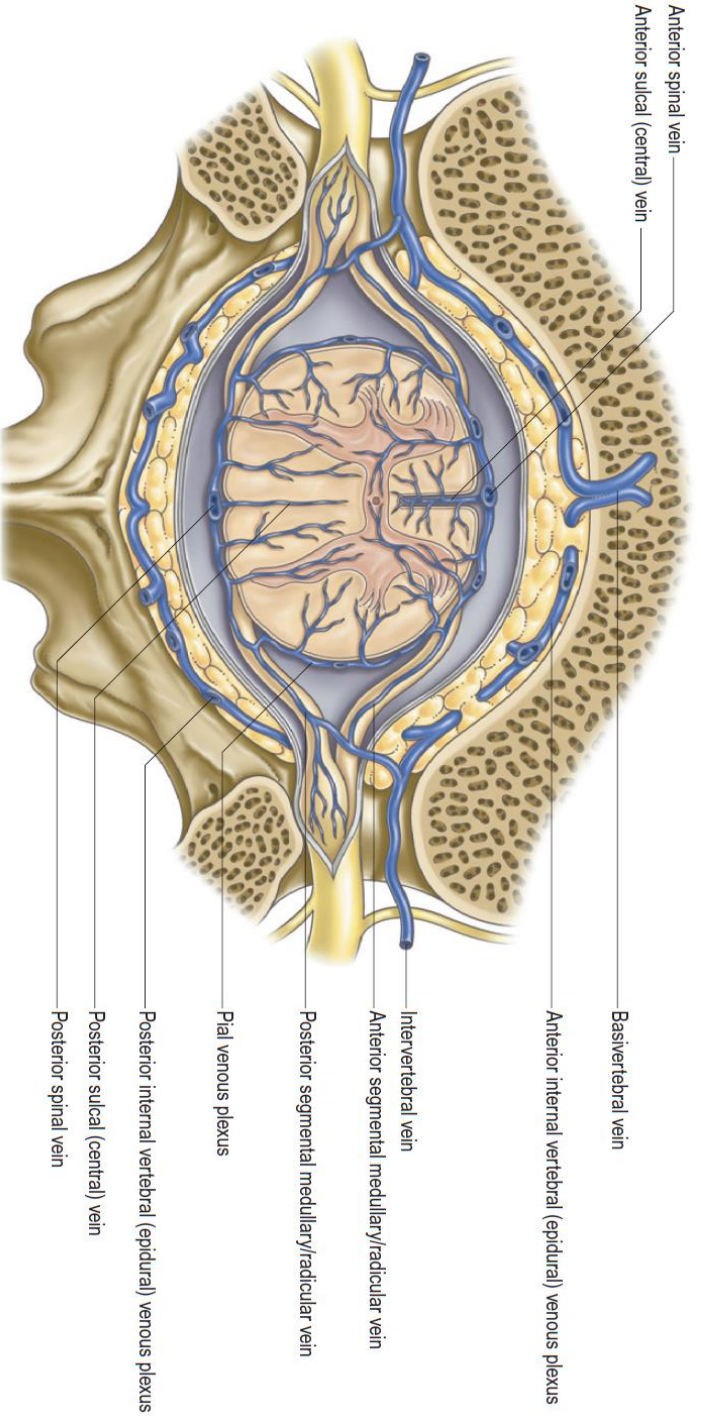
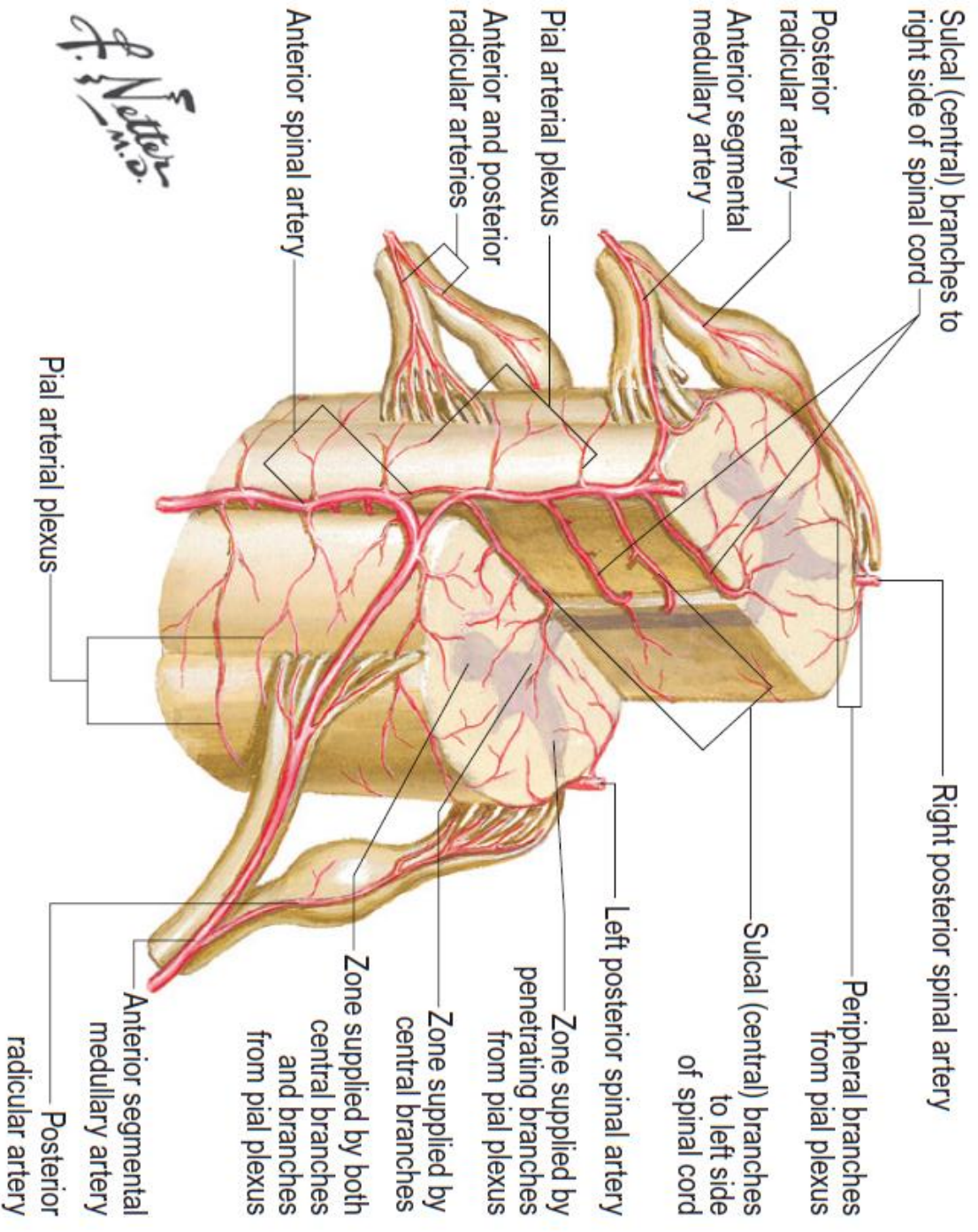


Fig. 7.5 Position of the needle in caudal epidural injection.



Venous Drainage of Spinal Cord & Spinal Nerves

