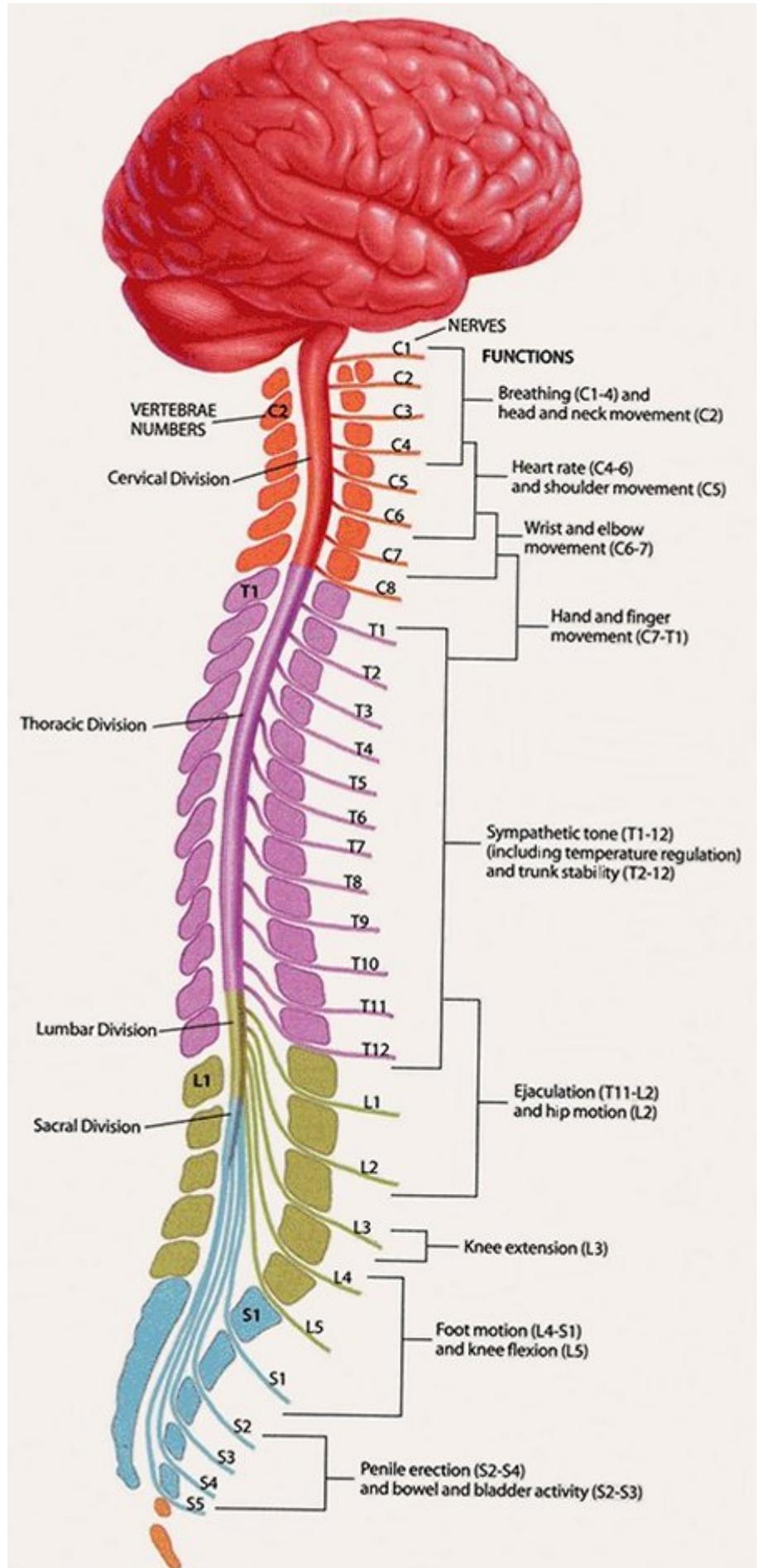


Spinal cord

Journal

Spinal Cord: <http://www.nature.com/sc/index.html>



Spinal Cord Parenchyma

[Spinal Cord Parenchyma](#).

Functions

The spinal cord functions primarily in the transmission of neural signals between the brain and the rest of the body but also contains neural circuits that can independently control numerous reflexes and central pattern generators. The spinal cord has three major functions: as a conduit for motor information, which travels down the spinal cord, as a conduit for sensory information in the reverse direction, and finally as a center for coordinating certain reflexes.

see [Cervical spinal cord](#)

see [Thoracic spinal cord](#)

see [Spinal cord stimulation](#)

see [Spinal cord tumor](#)

see [Spinal cord ischemia](#).

Development

[Spinal cord development](#)

Imaging

see [Spinal Cord Imaging](#).

Books

Vascular Anatomy of the Spinal Cord: Radioanatomy as the Key to Diagnosis and Treatment **Vascular Anatomy of the Spinal Cord: Radioanatomy as the Key to Diagnosis and Treatment By Armin K. Thron**

This book systematically describes the angioarchitecture of the spinal cord. Microradiographs of superficial and intrinsic arterial supply and venous drainage patterns provide the anatomical basis needed to understand spinal vascular disorders. These post mortem studies are supplemented by clinical spinal angiographies and case studies.

Rapid advances in imaging technology have facilitated the solution of many diagnostic problems concerning diseases of the spine and spinal cord. But this is less true for vascular diseases of the spinal cord or diseases secondarily involving them. Furthermore, safely using interventional procedures or open surgery still requires a profound knowledge of the vascular anatomy involved. Accordingly, a growing demand for training in this special field has become evident over the last 25 years, making improvement of this knowledge in all Neuro-Specialities dealing with diagnostic and therapeutic problems of spinal disorders a highly desirable goal.

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Injury

Spinal Cord Injury

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