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**Lumbar Nerve**

The lumbar plexus is a complex neural network formed by the lower thoracic and lumbar ventral nerve roots. They are formed where T12 to L5 exit the [spinal cord](https://www.physio-pedia.com/Spinal_cord_anatomy) via intervertebral foramina. The supply motor and sensory innervation to the lower limb and [pelvic](https://www.physio-pedia.com/Pelvic_Floor_Anatomy) girdle.

The nerves arising from the lumbar plexus are important for functioning of the lower extremity function and movement allowing knee extension, hip flexion and adduction of the thigh

**Sacral Nerve**

The sacral plexus is a network of nerves emerging from the lower part of the spine. These nerves provide motor control to and receive sensory information from most of the pelvis and leg.

A plexus is a web of nerves that share roots, branches, and functions. There are several plexi (plural of plexus) throughout the body, and the sacral plexus covers a large area of the body in terms of its motor and sensory nerve function. Often described as part of the lumbosacral plexus, the sacral plexus is located lower in the body than any of the other nerve plexi.

**Brachial Nerve**

The brachial plexus is a network of nerves that gives rise to all the motor and sensory [nerves of the upper extremity](https://www.kenhub.com/en/library/anatomy/neurovasculature-of-the-upper-limb). This plexus arises from the anterior rami of [spinal nerves](https://www.kenhub.com/en/library/anatomy/spinal-nerves) **C5-T1** that undergo several mergers and splits into trunks and divisions, until they finally give rise to their **terminal branches**. These terminal branches are responsible for motor and sensory innervation of the upper limb, and they include the [musculocutaneous](https://www.kenhub.com/en/library/anatomy/the-musculocutaneous-nerve), [axillary](https://www.kenhub.com/en/library/anatomy/axillary-nerve), [radial](https://www.kenhub.com/en/library/anatomy/radial-nerve), [median](https://www.kenhub.com/en/library/anatomy/the-median-nerve) and [ulnar](https://www.kenhub.com/en/library/anatomy/the-ulnar-nerve) nerves.