

# Recurrent meningeal nerves

The meningeal branches of the [spinal nerves](#) (also known as recurrent meningeal nerves, [sinuvertebral nerves](#), or recurrent nerves of Luschka) are a number of small nerves that branch from the spinal nerve near the origin of the anterior and posterior rami, but before the rami communicantes branch. They then re-enter the intervertebral foramen, and innervate the facet joints, the anulus fibrosus of the intervertebral disc, and the ligaments and periosteum of the spinal canal, carrying pain sensation. The nucleus pulposus of the intervertebral disk has no pain innervation.

The [lumbar intervertebral discs](#) are innervated posteriorly by the sinuvertebral nerves, but laterally by branches of the ventral rami and grey rami communicantes. The posterior longitudinal ligament is innervated by the sinuvertebral nerves and the anterior longitudinal ligament by branches of the grey rami. Lateral and intermediate branches of the lumbar dorsal rami supply the iliocostalis lumborum and longissimus thoracis, respectively. Medial branches supply the multifidus, intertransversarii mediales, interspinales, interspinous ligament, and the lumbar zygapophysial joints. The distribution of the intrinsic nerves of the lumbar vertebral column systematically identifies those structures that are potential sources of primary low-back pain <sup>1)</sup>.

Transforaminal Epiduroscopic Laser Ablation of Sinuvertebral Nerve in Patients with Chronic Diskogenic Back Pain: Technical Note and Preliminary Result <sup>2)</sup>.

<sup>1)</sup>

Bogduk N. The innervation of the lumbar spine. Spine (Phila Pa 1976). 1983 Apr;8(3):286-93. PubMed PMID: 6226119.

<sup>2)</sup>

Kim HS, Paudel B, Chung SK, Jang JS, Oh SH, Jang IT. Transforaminal Epiduroscopic Laser Ablation of Sinuvertebral Nerve in Patients with Chronic Diskogenic Back Pain: Technical Note and Preliminary Result. J Neurol Surg A Cent Eur Neurosurg. 2017 Sep 4. doi: 10.1055/s-0037-1604361. [Epub ahead of print] PubMed PMID: 28869992.

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