

## REVIEW CRITERIA FOR CERVICAL SURGERY FOR ENTRAPMENT OF A SINGLE NERVE ROOT

PROCEDURE	CONSERVATIVE CARE	CLINICAL FINDINGS		
		SUBJECTIVE	OBJECTIVE	IMAGING
Cervical Discectomy Laminectomy Laminotomy Foraminotomy With or without fusion Excluding fractures	6-8 weeks of: Physical therapy <b>OR</b> Medications <b>OR</b> Cervical traction	Sensory symptoms in a dermatomal distribution that correlates with involved cervical level <sup>1</sup> <b>OR</b> Positive Spurling test	Motor deficit <b>OR</b> Reflex changes <b>OR</b> Positive EMG Changes should correlate with involved cervical level	Abnormal imaging that correlates nerve root involvement with subjective and objective findings, on: Myelogram with CT scan <b>OR</b> MRI
<b>A positive response to <u>Selective Nerve Root Block (2)</u> that correlates with imaging abnormality is required if there are complaints of radicular pain with no motor, sensory, reflex or EMG changes.</b>				

Relative Contraindication: current cigarette smoking/nicotine use. See here for the department’s coverage policy on [tobacco cessation](#)<sup>1</sup> prior to spinal fusion.

Cases to be referred for physician review include:

- Repeat surgery at the same level
- Request for surgery at C3-4 level or above
- Objective findings indicating myelopathy

When requesting authorization for decompression of multiple nerve roots levels, each level is subject to the review criteria.

1. Sensory deficit, motor weakness, and reflex changes may vary depending on innervation.
  - C4-5 disc herniation with compression of C5 nerve root may produce sensory deficit in the lateral upper arm and elbow; motor weakness in the deltoid and variably in the biceps (elbow flexion); and reflex changes variably in the biceps.
  - C5-6 disc herniation with compression of the C6 nerve root may produce sensory deficit in the radial forearm, thumb, and index finger; motor weakness in the biceps, forearm supination, and wrist extension; and reflex changes in the biceps and brachioradialis.
  - C6-7 disc herniation with compression of the C7 nerve root may produce sensory deficit in the index and middle fingers; motor weakness in the triceps (elbow extension), wrist flexion, and variably in the finger flexors; and reflex changes in the triceps.
2. A selective nerve root block may be considered “positive” if it:
  - Initially produces pain in the distribution of the nerve root being blocked, and
  - Produces at least 75% reduction in pain for a duration consistent with the type of local anesthetic used for the block.

<sup>1</sup> <https://lni.wa.gov/patient-care/treating-patients/conditions-and-treatments/tobacco-cessation-treatment-for-surgical-care>

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