

Transforaminal Epidural Steroid Injection

This procedure is performed to relieve low back and radiating leg pain. The steroid medication can reduce the swelling and inflammation caused by spinal conditions, such as spinal stenosis, radiculopathy, sciatica and herniated discs. In some cases it may be necessary to repeat the procedure. However many patients get significant relief from only one or two injections.

POSITIONING THE PATIENT

The patient lies face down and a cushion is placed under the stomach to provide comfort and to flexe the back. A fluoroscope is used to locate the appropriate lumbar vertebra and nerve root, and a local anesthetic is used to numb the skin.

STEP 1

All the tissue down to the surface of the vertebral transverse process is anesthetized.

STEP 2

The physician then slides a thin needle with a slightly bent point through the anesthetized track.

STEP 3

Using the fluoroscope to see, the physician guides the needle carefully into the foraminal space near the nerve root.

STEP 4

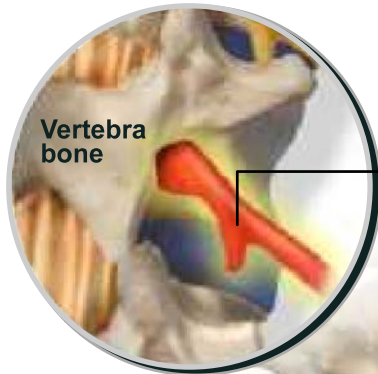
A contrast solution is injected so the physician can use the fluoroscope to see the painful areas and to confirm the correct location of the needle tip.

STEP 5

A steroid-anesthetics mix is injected into the foraminal epidural space, bathing the painful nerve root with soothing medication.

STEP 6

The needle is removed and a small band-aid is used to cover the tiny needle surface wound.



LUMBAR NERVE ROOT PAIN BEFORE INJECTION

Vertebra bone

Nerve root

Spinal column

Vertebra bone

Vertebra disc

1 An anesthetic numbs the skin and all the tissue.

3 The needle slides into foraminal space near the nerve root.

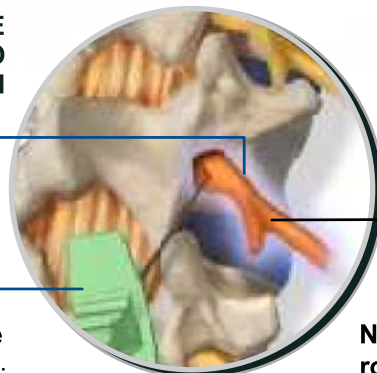
4 A contrast solution is injected.

2 A thin needle with a slightly bent tip is inserted.

LUMBAR NERVE ROOT PAIN RELIEVED AFTER INJECTION

5 A steroid-anesthetics mix is injected.

6 The needle is removed.



Nerve root