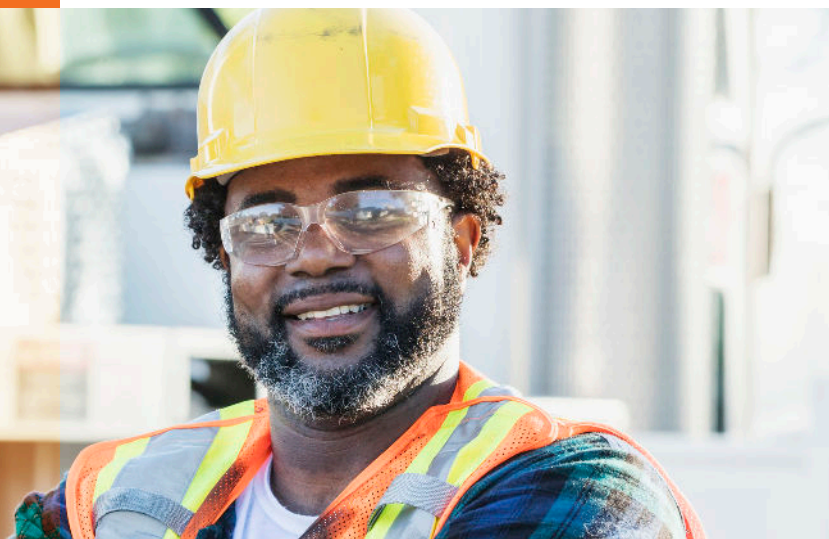


Basivertebral Nerve Ablation



WHAT IS BASIVERTEBRAL NERVE ABLATION?

Basivertebral nerve ablation is a minimally invasive medical procedure used to treat chronic low back pain. This procedure targets the basivertebral nerves, which are small nerves that provide sensation to the vertebral endplates or the bony surfaces of the spinal vertebrae. These nerves are believed to play a key role in sending pain signals from the vertebral endplates to the brain.

HOW DOES IT WORK?

The primary benefit of basivertebral nerve ablation is the potential to alleviate pain. Chronic low back pain, especially when associated with the vertebral endplates and basivertebral nerves, can be debilitating. The procedure relies on radiofrequency energy, whereby a specialized probe is carefully inserted into the affected vertebrae. This probe administers controlled radiofrequency energy to the basivertebral nerves, effectively disrupting their ability to transmit pain signals potentially offering relief.

Basivertebral nerve ablation is a minimally invasive procedure, which involves smaller incisions and less body trauma than traditional open surgeries. This can lead to quicker recovery times, reduced post-operative pain, and a lower risk of complications.



WHO IS A GOOD CANDIDATE FOR BASIVERTEBRAL NERVE ABLATION?

Not all patients with chronic low back pain are candidates for this procedure. The procedure is typically considered when conservative treatments, such as physical therapy, medications, and injections, have not provided sufficient relief, and the pain is believed to originate from the vertebral endplates. Our team will review your MRI to determine if basivertebral nerve ablation is the right procedure for your low back pain.

It's important to recognize that the extent of pain relief may vary from person to person, and the procedure may not provide complete or permanent relief for everyone.

WHAT TO EXPECT?

- 1 One of our pain specialists will evaluate you to confirm that your chronic low back pain originates from the vertebral endplates and that conservative treatments have not provided sufficient relief. Imaging techniques such as MRI or CT scans are used to identify the affected vertebral levels and the location of the basivertebral nerves.
- 2 Our team will provide instructions to help you prepare for your appointment. The procedure is performed in our outpatient surgery center under local anesthesia.
- 3 During the procedure a specialized probe is inserted into the affected vertebrae through a small incision. Based on pre-procedure imaging, the probe is guided to a specific location, ensuring it reaches the nerves responsible for transmitting pain signals. Once the probe is positioned, controlled radiofrequency energy is delivered to the basivertebral nerves. This energy heats the nerves and effectively disrupts their function, preventing them from sending pain signals to the brain.
- 4 To confirm the success of the procedure, you may be asked to provide feedback, such as describing any sensations during the ablation process. Additionally, specialized monitoring equipment may be used to ensure that the appropriate nerves have been treated.
- 5 After the procedure, the probe is removed, and the small incision is typically closed with a few stitches or adhesive strips.
- 6 You will be monitored briefly in our recovery area until you are cleared to go home. Some soreness at the site of the procedure is common but usually resolves within a few days. You can generally resume your normal activities relatively quickly.

INSURANCE AND BILLING

Your eligibility for this procedure is contingent upon the benefits outlined by your insurance provider.

IMPROVE YOUR QUALITY OF LIFE

Relief from low back pain can significantly improve your overall quality of life, enabling a return to work, physical activities, and daily routines without chronic discomfort.

