

ViaVerte™ procedure at a glance

Long-term pain relief†,3

FDA cleared

Minimally invasive

Implant-free

Go home the same day

†96.5% clinical success rate for pain reduction (defined as a 2-point decrease in patient-reported pain on a 0-10 scale, single-center study, n=56) at 12 months.



Talk with your doctor to learn whether the ViaVerte™ procedure may be an option for you.

Important safety information

Indications

The ViaVerte™ BVNA system is used to treat chronic low back pain by targeting and ablating the basivertebral nerves in the L3 through S1 vertebrae. It is intended for patients who:

- Have had chronic low back pain for at least 6 months
- Have not improved after at least 6 months of conservative treatments such as oral medications or nerve injections.
- Have MRI findings showing either Type 1 or Type 2 Modic changes - indicating damage at the vertebral endplates has led to inflammation

Contraindications

This device should not be used in:

- Patients with implantable pulse generators, such as pacemakers or defibrillators
- Patients with an active infection throughout the body or an infection in the area being treated
- Patients who are pregnant
- Patients who are still growing skeletally, generally age 18 or younger

Risks

As with any procedure, there are possible risks and side effects, including:

1. Because this procedure uses electrical energy, there is a risk of accidental damage to nearby tissue.
2. If the instruments or probe break, slip, are used incorrectly, or are damaged, including from contact with sharp edges, they could cause burns or injuries to the patient or medical staff.
3. Nerve injury can occur, including heat-related injury or puncture of the spinal cord or nerve root. This could lead to nerve pain, weakness, or paralysis.
4. Fat, blood clots, or other material could enter the bloodstream and travel to the lungs or other parts of the body, which could cause serious complications, including a symptomatic pulmonary embolism.
5. Bleeding can occur.
6. Blood or air can collect in the chest cavity, which may lead to conditions called hemothorax or pneumothorax.
7. A hematoma, which is a collection of blood under the skin or in tissue, can occur.
8. Infection can occur, either deep in the wound or closer to the skin surface.
9. Pain can occur.
10. Unintended punctures can occur, including injury to a blood vessel or a tear in the protective covering around the spinal cord.
11. A bone fracture of the pedicle or vertebral body can occur.
12. The tip of the device contains stainless steel parts. If small metal fragments are left behind, they could cause long-term inflammation, a reaction to a foreign object in the body, infection, movement of the fragments, interference with future imaging tests, or possible nerve-related complications.

This information should not be used as a substitute for talking with your doctor. Always talk with your doctor about diagnosis and treatment information.

References

1. Koreckij T, Kreiner S, Khalil JG, et al. Prospective, randomized, multicenter study of intraosseous basivertebral nerve ablation for the treatment of chronic low back pain: 24-Month treatment arm results. *N Am Spine Soc J.* 2021;8:100089.
2. Lorio M, Clerk-Lamallice O, Rivera M, Lewandrowski KU. ISASS Policy Statement 2022: Literature Review of Intraosseous Basivertebral Nerve Ablation. *Int J Spine Surg.* 2022;16(6):1084- 1094. doi:10.14444/8362.
3. De Vivo, A. E., et al. (2021). Intra-osseous basivertebral nerve radiofrequency ablation (BVA) for the treatment of vertebrogenic chronic low back pain. *Neuroradiology*, 63 (6), 809-815.

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Basivertebral nerve ablation (BVNA)

Relief for chronic low back pain

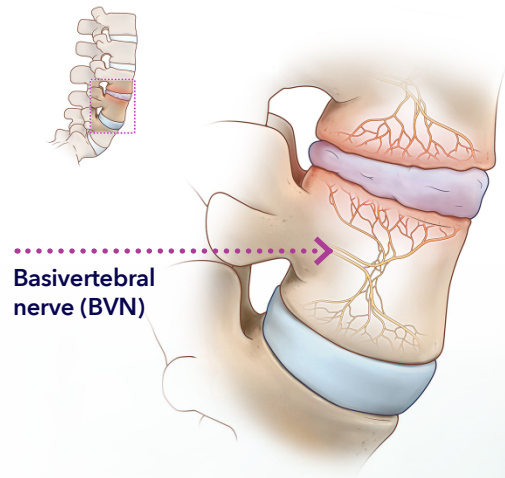
Discover the ViaVerte™ procedure—
a minimally invasive option for
treating chronic vertebrogenic
low back pain



What is vertebrogenic pain?

Living with chronic low back pain can affect nearly every part of life, from work and daily routines to time with family and friends.

Vertebrogenic pain is one cause of chronic low back pain. This type of pain is caused by damage to the ends of the vertebra adjacent to the discs.



Pain signals from the damaged vertebra are sent to the brain through a nerve called the basivertebral nerve (BVN).

This type of pain is often felt deep in the center of the low back and may worsen with:



Understanding the ViaVerte™ procedure

ViaVerte™ basivertebral nerve ablation, or BVNA, is a minimally invasive procedure used to treat chronic vertebrogenic low back pain.

During the procedure, your doctor uses X-ray guidance to place a specially designed needle through the bone next to the basivertebral nerve.

Controlled heat is then used to destroy the nerve, so the brain no longer receives pain signals from the damaged vertebral endplates.



Who may be a candidate?

Your doctor will review your symptoms and medical history to determine whether the ViaVerte™ procedure may be an option.

The ViaVerte™ procedure may be an option for people with:

- Chronic central low back pain for at least six months
- Endplate changes (often described as Modic changes) on MRI
- Insufficient relief from physical therapy, medications, and injections. These options need to have been tried for at least six months.

