

What can I expect
after the procedure?

**How do I care for the incision site
after the ION 3D™ procedure?**

The incision, typically about 2cm due to the size of the ION 3D implant, usually requires just a few stitches or staples. Keeping the incision clean and dry until your first followup visit is key. Your physician will provide detailed care instructions tailored to your recovery.

**Are there any restrictions after the
procedure?**

After the ION 3D procedure you'll be guided to gradually resume activities. Generally, it's advisable to limit bending and strenuous activities for six weeks to ensure optimal healing. Adhering to your physician's post-surgical care instructions is crucial for a smooth recovery and achieving the best possible outcome.



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**LOW
BACK
PAIN?**

Understanding
causes,
diagnosis,
treatment &
other options



 **ION^{3D}**
FACET SCREW SYSTEM



Steps Towards Recovery: Learn about ION 3D™

You may be a candidate for the ION 3D procedure if you have back pain from:

- **Degenerative disc disease**
- **Instability**
- **Degenerative facet disease**
- **Spondylolysis**
- **Spondylosis**
- **Pseudarthrosis or failed previous fusions**

When you have exhausted multiple treatment options and normal daily activities have become a burden, you may feel like pain has taken over. The ION 3D procedure from SurGenTec® may help you get back to life.

Your back pain may be a result of numerous conditions such as degenerative disc disease, instability, stenosis, facet pain among others. These conditions may develop over time as your spine ages. This is a normal degenerative cascade of events that may worsen over time.

How is the ION 3D™ procedure different?



The ION 3D procedure was developed to provide relief when conservative care and other procedures have failed.

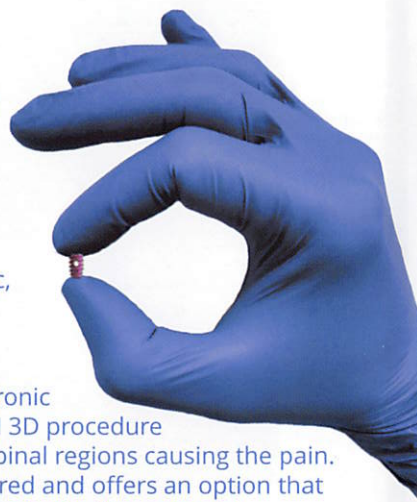
This is considered a step procedure, and is designed to be an effective option for patients seeking solutions beyond conservative care but not yet requiring more aggressive treatments.

Most traditional spinal stabilization products require large bulky metallic implants that may cause tissue irritation from large incisions. At SurGenTec, our focus is delivering intuitive, advanced, minimally invasive procedures to treat chronic low back pain. The ION 3D procedure stabilizes the painful spinal regions causing the pain. The system is FDA cleared and offers an option that may allow patients to go home the same day depending on individual circumstances.

The ION 3D procedure offers a focused approach to spinal fusion aiming for less disruption while effectively stabilizing the facet joints. ION 3D utilizes titanium implants with Nanotex®¹ surface technology to assist with the healing process². ION 3D provides stabilization of the pathological level(s) of the posterior lumbar spinal column.

1. Taniguchi, N., Fujibayashi, S., Takemoto, M., Sasaki, K., Otsuki, B., Nakamura, T., ... & Matsuda, S. (2016). Effect of pore size on bone ingrowth into porous titanium implants fabricated by additive manufacturing: An in vivo experiment. *Materials Science and Engineering: C*, 59, 690-701

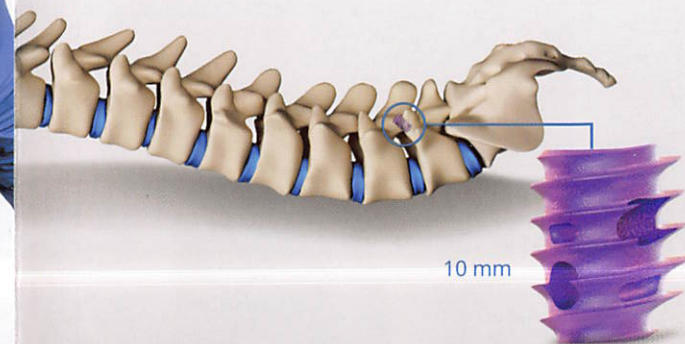
2. This information is based on an animal study of the Ion 3D device, and may not be representative of clinical performance



How does the ION 3D™ procedure work?

The ION 3D procedure, often performed in an outpatient surgery center, represents a new era in spinal care. By employing micro implants, smaller than a dime, painful regions of the spine are targeted using a minimally invasive approach. The approach was designed to facilitate a swift recovery process, supporting your body's natural spinal structure, while preserving the option for future treatments if necessary.

This advanced technique aims to expedite your journey back to daily activities, emphasizing minimal downtime so you can quickly return to enjoying life. Every patient's situation is unique, and while the ION 3D procedure offers an innovative solution for many it's important to consult with your physician to determine if it aligns with your specific spinal health needs.



ION 3D advantages:

- Targets lumbar stabilization
- Minimally invasive solution
- Option to be performed in a surgery center
- Designed to minimize tissue disruption
- Potential to be discharged the same day