



Oxiplex® Adhesion Barrier Gel for Spine Surgery

The leading choice of spine surgeons worldwide



Dual-Polymer Technology

Even with the best surgical technique, postoperative adhesions can form leading to pain, neurological deficits, and other long-term complications. Oxiplex Adhesion Barrier Gel provides a temporary, protective separation of tissues adjacent to the surgical site during the body's natural healing process, reducing the formation of adhesions that can cause postoperative pain and other complications.

Better outcomes

In clinical studies^{1,2,3} Oxiplex has demonstrated:

- Clinically meaningful reduction of postoperative leg pain at 6 months.
- Fewer neurological and musculoskeletal complications.
- Improved patient satisfaction.
- Fewer reoperations.
- Reduced fibrosis observed in patients requiring reoperation, improving surgical visualization.

Safe and effective

- Proven safe and effective in more than 20 years of clinical use and more than 750,000 procedures worldwide.
- Supported by numerous published clinical studies.
- Contains no pharmaceutical agents or materials of human, animal, or bacterial origin.

Easy to use

- Sterile and ready to use – requires no mixing or special handling or storage conditions.
- Prepackaged, flexible applicator allows easy application.
- Clear, absorbable gel maintains operative site visibility.

Patented technology

- Unique, dual-polymer formula offers advantages that go beyond hyaluronic acid (HA)-based products and other gel, film, and sheet technologies.

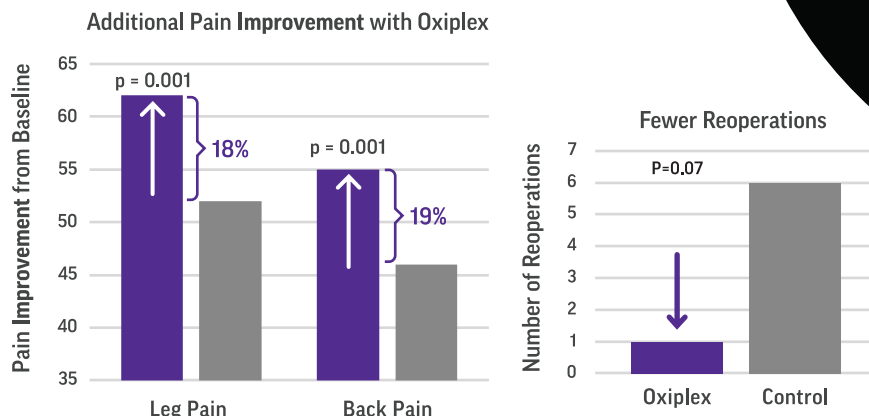
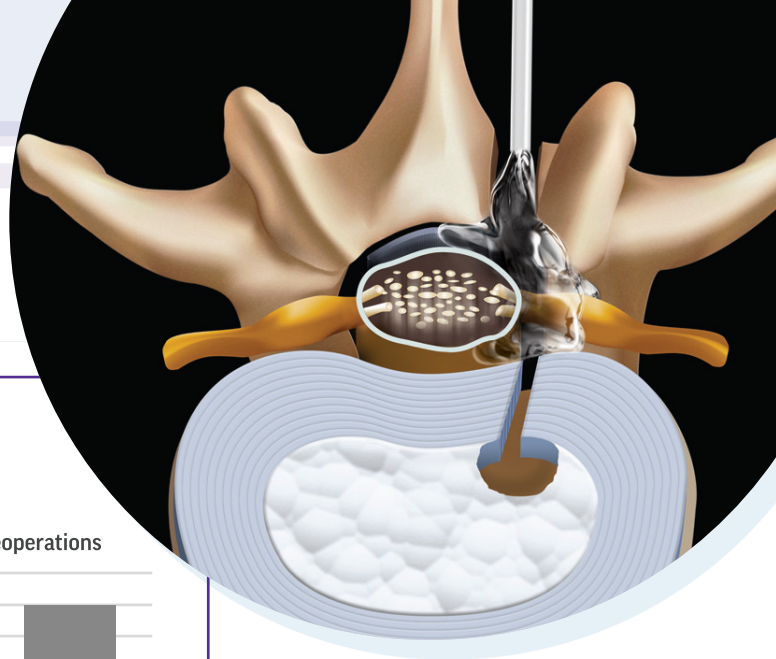
750,000+
patients treated
since 2002

Learn more at fziomed.com



Reduced pain, fewer reoperations

Clinical studies have demonstrated the long-term benefits of postoperative adhesion protection using Oxiplex.^{1,2,3}



Unique dual-polymer technology

Our patented combination of two safe and extensively studied synthetic polymers – carboxymethylcellulose (CMC) and polyethylene oxide (PEO) – offers functional advantages over other standard technologies.

- **Tissue adherence:** The CMC in our gel allows for exceptional adherence to tissues and neural elements in a variety of anatomical environments. Oxiplex gel is designed to stay in place, protecting the surgical site throughout the period of adhesion formation.⁴
- **Adhesion reduction:** The PEO in our gel provides a unique protective function that disrupts fibrin-building protein attachment, preventing fibrin bridge (adhesion) formation. This can also reduce the painful effects of inflammatory cytokines during the healing process.⁴
- **Absorbable:** Oxiplex gel is naturally absorbed over time, remaining at the site of application for up to 30 days.

Optimized for spine procedures

Oxiplex gel is designed for use in a wide variety of spine surgeries, including:

- Discectomy / Microdiscectomy
- Laminectomy / Laminotomy
- Foraminotomy
- Spinal fusion
- Disc replacement

References

1. Rhyne A, et al. Oxiplex reduces leg pain, back pain and associated symptoms following lumbar discectomy. *Spine*. 2012;37:631-41.
2. Fransen P. Safety of carboxymethylcellulose / polyethylene oxide for the prevention of adhesions in lumbar disc herniation, consecutive case series review. *Annals of Surg Inn Res*. 2008.
3. Assietti R, et al. Use of carboxymethylcellulose/polyethylene oxide gel in microdiscectomy with interlaminectomy, a case series comparison with long-term follow-up. *Spine*. 2008.
4. DSouza AA, Amiji MM. Dual-Polymer Carboxymethyl Cellulose and Poly(Ethylene Oxide)-Based Gels for the Prevention of Postsurgical Adhesions. *Journal of Biomedical Materials Research Mater Res A*. 2025 Jan,113(1):e37852.