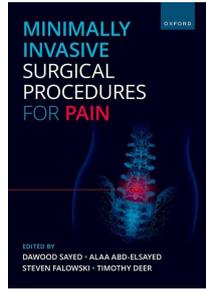


**MINIMALLY INVASIVE SURGICAL PROCEDURES FOR PAIN**



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**ISBN:** 9780197616734

**Páginas:** 408

**Año:** 2024

**Edición:** 1

**Idioma:** Ingles

**Disponible:** Próxima publicación

**Precio:** ~~129.81~~  
123.32

Iva no incluido

**DESCRIPTION:**

In the last decade, a significant paradigm shift has occurred in the way complex spinal disorders are treated. Historically, after patients failed conservative treatments—largely consisting of therapy, medications, and injections—they would be left with only highly invasive open surgical options. Now, with the development of minimally invasive surgical techniques, patients often have significantly more effective and safer treatment options available.

Minimally Invasive Surgical Procedures for Pain looks at the minimally invasive approaches that can be done percutaneously and under image guidance, instead of the traditional open approaches under direct visualization. The book discusses the basic concepts of spinal surgical approaches combined with an in-depth approach to the various techniques, with the overall goals of enhancing physician knowledge and leading to improved patient outcomes and safety. Topics include decompressive procedures, spinal implants, vertebral augmentation procedures, sacroiliac joint therapies, neuromodulation procedures, and more. The topics covered in the book are important to interventionalists, as well as physicians from traditional surgical backgrounds like neurosurgery and orthopedics. A first of its kind, this text details a balanced look at the proper surgical techniques for pain, as well as best practices.

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2. A Surgeon's Perspective
3. Surgical Instruments
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5. Spinal Diagnostics for Interventional Pain and Surgery

**Part 2 Decompressive Procedures**

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7. Endoscopic Discectomy
8. Uniportal, Percutaneous Microdiscectomy with Annulo-nucleoplasty

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10. Minimally Invasive Posterior Lumbar Fusion—A New Approach to a Standard Procedure

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