Surgical Care of the Painful Degenerative Lumbar Spine: Evaluation, Decision-Making, Techniques

This title reflects more than 35 years of neurosurgical practice devoted to refining degenerative spine disease evaluation and techniques. It emphasizes and instructs a symptom-focused approach in the surgical decision-making process, with determinant radiographic features used mainly supportively. The text begins with a thorough overview of anatomy, spino-pelvic and sagittal balance metrics, stabilization, and clinical evaluations. Throughout 11 chapters, step-by-step guidance is provided on therapeutic decision-making to achieve optimal individualized outcomes. From the fundamentals of open and minimally invasive techniques to the impact of socioeconomic factors on the treatment of PDLS patients, the authors offer invaluable firsthand insights.

Key Features:
- Discussion of techniques including en bloc laminectomy, the U-turn approach to root decompression, hemilaminectomy – a safe and versatile decompressive technique, and the lateral intra-muscular planar (LIMP) procedure
- The use of a descriptive clinical sub-classification system for low back pain and grading scale based on a simple testing maneuver
- Extensive post-operative care chapter emphasizes pain and infection control
- Challenges including chronic axial lumbar pain, post-operative junctional stress, sagittal imbalance, spondylolisthesis, and coronal deformity

Uniquely insightful, this concise guide covers the fundamental clinical and technical skills necessary to care for patients with degenerative lumbar spine pain. It is essential reading for neurosurgical and orthopedic residents, spine fellows, spine surgeons and all clinicians involved in administrating surgical and nonsurgical spine care.

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