

1. Record Nr.	UNINA9910731483903321
Titolo	Core Techniques of Minimally Invasive Spine Surgery / / edited by Yong Ahn, Jin-Kyu Park, Chun-Kun Park
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	981-19-9849-3
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (403 pages)
Disciplina	617.560597
Soggetti	Nervous system - Surgery Endoscopic surgery Neurosurgery Minimally Invasive Surgery Columna vertebral Malalties de la columna vertebral Neurocirurgia Cirurgia endoscòpica Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Part 1.Introduction -- 1. History of minimal invasive spine surgery -- 2. Learning curve and complications of minimal invasive spine surgery -- 3. Basic concepts and nomenclature of minimal invasive spine surgery -- Part 2. Endoscopic spine surgery -- 1. History and basic concepts of full-endoscopic spine surgery -- 2. Transforaminal endoscopic lumbar discectomy -- 3. Interlaminar endoscopic lumbar discectomy -- 4. Full-endoscopic decompression for thoracolumbar spinal stenosis -- 5. Transforaminal endoscopic lumbar lateral recess decompression -- 6. Transforaminal endoscopic lumbar foraminotomy/foraminoplasty -- 7. Full-endoscopic anterior cervical spine surgery -- 8. Full-endoscopic posterior cervical spine surgery -- 9. Transforaminal thoracic discectomy and decompression -- 10. Miscellaneous approaches in full-endoscopic spine surgery -- 11. History and basic concepts of unilateral biportal endoscopic surgery (UBE) -- 12. Unilateral biportal endoscopic surgery (UBE) for lumbar disc herniation andstenosis -- 13.

Unilateral biportal endoscopic surgery (UBE) for cervical and thoracic spine -- 14. Endoscopic lumbar interbody fusion : Full-endoscopic approach -- 15. Endoscopic lumbar interbody fusion : Unilateral biportal endoscopic approach -- 16. Management of complicated cases in endoscopic spine surgery -- Part 3. Minimally invasive spinal procedure -- 1. Overview of minimally invasive spinal surgery with tubular retractor -- 2. Minimally invasive spinal decompression for lumbar and thoracic spine -- 3. Minimally invasive spinal decompression for cervical spine -- 4. Overview of minimally invasive approach for spinal fusion -- 5. Minimally invasive spinal posterior/transforaminal lumbar interbody fusion -- 6. Anterior lumbar interbody fusion (ALIF) -- 7. Oblique lumbar interbody fusion (OLIF) -- 8. Minimally invasive spinal deformity correction -- 9. Spinal blocks and radiofrequency techniques -- 10. Percutaneous epidural neuroplasty -- 11. Percutaneous transforaminal annuloplasty and decompression -- 12. Trans-sacral epiduroscopic laser disc decompression (SELD) -- 13. Vertebroplasty and kyphoplasty -- Part 4. Motion preservation techniques -- 1. History and basic concepts of motion preservation techniques -- 2. Artificial disc replacement for cervical spine -- 3. Artificial disc replacement for lumbar spine -- 4. Posterior dynamic stabilization(Interspinous process device) -- 5. Posterior dynamic stabilization(screw and dynamic rod) -- Part 5. New technologies in minimally invasive spine surgery -- 1. Navigation-guided spine surgery -- 2. Robotic surgery -- 3. Artificial intelligence in minimally invasive spine surgery.

Sommario/riassunto

This book issues all aspects of minimally invasive spine surgery. From interventional techniques such as nerve block to multilevel fusion surgery, the field of minimally invasive surgery is organized by chapter from basics to the end. Each chapter will include various figures and tables, and videos will be added in the surgery-related parts. A special focus will be placed on spinal endoscopic surgery, which has undergone rapid development in recent years. Both full-endoscopic spine surgery and uni-portal bilateral endoscopic will be dealt. Various surgical approaches and procedures will be presented for disc-herniated disease and stenotic lesion from cervical to lumbar. The new technology solution such as navigation-guided spine surgery and robot surgery and artificial and augmented reality will be introduced. .