



Advances in minimally invasive surgery and therapy for spine and nerves /

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Monografía

Radiologists, orthopedic and neurological surgeons present the different minimally invasive methods. Peripheral nerve problems and problems concerning differential diagnosis in special situations such as between radicular and peripheral nerve trunk lesions are discussed, pinpointing the significance of different diagnostic tools. Minimally invasive techniques, utilized nowadays to minimize bone demolition, scarring and risk of recurrence are analyzed. Microdiscectomy is compared with the results of intradiscal techniques, and new methods are discussed facing problems such as epidural fibrosis

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Contenido: Surgical anatomy of the sacral hiatus for caudal access to the spinal canal -- Radiologic anatomy of the sacral canal -- Imaging in degenerative spine pathology -- Operative management of lumbar disc herniation: the evolution of knowledge and surgical techniques in the last century -- Philosophy and concepts of modern spine surgery -- Minimally invasive treatment for refractory low back pain, targeted by epidural endoscopy with O2/O3 and steroid therapy -- Epidural injections: past, present and future -- Long term intrathecal infusion of opiates for treatment of failed back surgery syndrome -- Modic changes: anatomy, pathophysiology and clinical correlation --

Peridurososcopy: general review of clinical features and development of operative models -- The effectiveness of endoscopic epidurolysis in treatment of degenerative chronic low back pain: a prospective analysis and follow-up at 48 months -- Endoscopic approaches to the spinal cord -- Application of pulsed radio frequency to the dorsal horn and dorsal roots -- Automated nucleotomy and nucleolysis with ozone -- Treatment of discogenic low back pain with intradiscal electrothermal therapy (IDET): 24 months follow-up in 50 consecutive patients -- Percutaneous coblation nucleoplasty in patients with contained lumbar disc prolapse: 1 year follow-up in a prospective case series -- Plasma-mediated disc decompression for contained cervical disc herniation: results through 5 years -- Percutaneous laser discectomy: experience and long term follow-up -- Mechanism of action of oxygen ozone therapy in the treatment of disc herniation and low back pain Treatment of symptomatic lumbar spinal degenerative pathologies by means of combined conservative biochemical treatments -- Oxygen-ozone therapy for degenerative spine disease in the elderly: a prospective study -- Ozone: the one and only drug -- Vertebral augmentation: 7 years experience -- Kyphoplasty in the treatment of osteoporotic vertebral compression fractures (VCF) procedure description and analysis of the outcomes of 128 patients -- Experience with coflex interspinous implant -- DIAM device for low back pain in degenerative disc disease: 24 months follow-up -- Percutaneous surgical treatment in lumbar spinal stenosis with Aperius-PercLID: indications, surgical technique and results -- Six level cervico-thoracic circumferential reconstruction: report of the second case of the literature -- Percutaneous vertebral augmentation: StabilitiT: a new delivery system for vertebral fractures -- Minimally invasive disc preserving surgery in cervical radiculopathies: the posterior microscopic and endoscopic approach -- The fullendoscopic anterior cervical fusion: a new horizon for selective percutaneous endoscopic cervical decompression -- Leucocyte-platelet haemocomponents for topical use: regenerative potentiality -- Current surgical options for articular cartilage repair -- Facial-hypoglossal nerve end-to-side neuroorrhaphy: anatomical study in rats -- Anatomic study in cadaver of the motor branch of the musculocutaneous nerve -- Exposure of the sciatic nerve in the gluteal region without sectioning the gluteus maximus: an anatomical and microsurgical study -- Experimental and clinical employment of end-to-side coaptation: our experience -- Considerations on the treatment of anterior interosseous nerve syndrome -- Percutaneous balloon compression of the gasserian ganglion for the treatment of trigeminal neuralgia: personal experience of 206 patients

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