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Surgical Management of Low Back Pain

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Surgical Management Of Low Back Pain

**Alexander Vaccaro, John D.
Koerner, David H. Kim**



Surgical Management Of Low Back Pain:

Textbook of Surgical Management of Lumbar Disc Herniation PS Ramani,2013-12-30 Low back pain and sciatica may often be attributed to herniation of the lumbar intervertebral disc This book is a comprehensive guide to surgical procedures for the management of lumbar disc herniation Divided into seven sections the first few chapters discuss historical aspects and basics and radiological investigations The following section provides in depth coverage surgical techniques for different lumbar spine disorders Each procedure is described step by step with intraoperative photographs and diagrams helping to explain the methodology The final sections examine complications and follow up This invaluable manual is authored by internationally acclaimed spinal surgeons and is commissioned by the World Federation of Neurological Societies WFNS Key points Comprehensive guide to surgical procedures for management of lumbar disc herniation Covers procedures for numerous associated disorders Authored by internationally acclaimed spinal surgeons Commissioned by WFNS

Surgical Management of Low Back Pain Jeffrey C. Wang,2009 The second edition presents the current diagnostic and surgical treatments for low back pain as well as the anatomic and physiologic rationale for their application New sections cover the evidence based assessment of emerging biological strategies for the treatment of degenerative disk disease and more

WHO guideline for non-surgical management of chronic primary low back pain in adults in primary and community care settings World Health Organization,2023-12-07 The purpose of the guideline is to provide evidence based recommendations on nonsurgical interventions for chronic primary LBP CPLBP in adults including older people that can be delivered in primary and community care settings to improve CPLBP related health and well being outcomes For this reason the guideline does not consider interventions typically delivered in secondary or tertiary care settings e g surgical or other invasive procedures or workplace interventions The target audience is health workers of all disciplines working in the primary and community care settings In this context the guideline is intended to be discipline neutral The guidelines will be of use to clinical staff including medical doctors nurses allied health workers including chiropractors occupational therapists physiotherapists pharmacists psychologists and community health workers as well as public health programme and system managers

Advancing the understanding of surgical management for degenerative spine conditions Lingxiao Chen,Shiqing Feng,Wei Zeng,Hengxing Zhou,2023-02-08

The Spine: Medical & Surgical Management Alexander Vaccaro,2019-04-30 The Spine Medical and Surgical Conditions is a complete two volume evidence based study edited by an internationally recognised team of spine surgeons based in the USA China Canada Germany Japan Brazil Egypt and India The two volumes are divided into 137 chapters across fourteen sections The first section covers general topics in spinal medicine including anatomy biomechanics physical and neurological examination interventional diagnostics and therapeutics and anaesthesia This is followed by sections on the development of the spine metabolic disorders and bone grafting Subsequent sections focus on surgery for particular parts of the spine including cervical lumbar and thoracic as well as sections on spinal

cord injuries and motor preservation Later sections in the book provide information on the spine in paediatrics adult deformity tumours vascular malformations and infections complications of spinal surgery and a final section on minimally invasive techniques Enhanced by 1500 full colour images The Spine Medical and Surgical Conditions is also made available online complete with text images and video with each physical copy Key Points Comprehensive two volume guide to spinal medicine Covers anatomy biomechanics examination diagnostics therapeutics anaesthesia surgery and complications Enhanced by 1500 full colour images Includes access to online version with complete text images and video *Surgical Management of Low Back Pain* D. K. Resnick, R. Haid, 2002-11 [Surgical Management of Spinal Deformities E-Book](#) Thomas J. Errico, Baron S. Lonner, Andrew W. Moulton, 2008-11-18 A who s who in this challenging field brings you state of the art approaches to the full range of surgical management options including reconstructive procedures for the pediatric and adult patient with spinal deformity Experts discuss the course of treatment for patients in different age groups and take into consideration the extent of the curve at the time of diagnosis and during follow up the patient s stage of bone growth the amount of pain and deformity associated with the condition and the patient s willingness and ability to withstand surgery Plus a section on general information such as practical surgical anatomy imaging applied biomechanics and instrumentation helps you approach each patient more effectively Emphasizes technical skills and surgical decision making including pearls pitfalls and illustrative case studies offering you expert advice on technically challenging surgeries Provides the very latest information on minimally invasive endoscopic and mini open approaches to broaden your surgical options and minimize post operative complications Discusses peri operative considerations including anesthesia blood loss management bone graft and fusion enhancement neural monitoring and complications keeping you prepared for any event Presents full color line artwork of surgical procedures as well as diagnostic and clinical photographs for superb visual guidance Offers a consistent format throughout and a full color design for ease of reference *Evidence-Based Management of Low Back Pain - E-Book* Simon Dagenais, Scott Haldeman, 2011-01-31 Covering all commonly used interventions for acute and chronic low back pain conditions Evidence Based Management of Low Back Pain consolidates current scientific studies and research evidence into a single practical resource Its multidisciplinary approach covers a wide scope of treatments from manual therapies to medical interventions to surgery organizing interventions from least to most invasive Editors Simon Dagenais and Scott Haldeman along with expert contributors from a variety of clinical and academic institutions throughout the world focus on the best available scientific evidence summarizing the results from the strongest to the weakest types of studies No other book makes it so easy to compare the different interventions and treatment approaches giving you the tools to make better more informed clinical decisions A multidisciplinary approach covers treatments from manual therapies to medical interventions to surgery and many others in between An interdisciplinary approach enables health care providers to work together A logical easy to follow organization covers information by intervention type from least invasive to most invasive

Integration of interventions provides information in a clinically useful way so it's easier to consider more than one type of treatment or intervention for low back pain and easier to see which methods should be tried first 155 illustrations include x rays photos and drawings Tables and boxes summarize key information Evidence based content allows you to make clinical decisions based on the ranking the best available scientific studies from strongest to weakest Patient history and examination chapters help in assessing the patient's condition and in ruling out serious pathology before making decisions about specific interventions Experienced editors and contributors are proven authors researchers and teachers and practitioners well known in the areas of orthopedics pain management chiropractic physical therapy and behavioral medicine as well as complementary and alternative medicine the book's contributors include some of the leading clinical and research experts in the field of low back pain Coverage based on The Spine Journal special issue on low back pain ensures that topics are relevant and up to date A systematic review of interventions for low back pain includes these categories patient education exercise and rehabilitation medications manual therapy physical modalities complementary and alternative medicine behavioral modification injections minimally invasive procedures and surgery Surgical interventions include decompression fusion disc arthroplasty and dynamic stabilization Additional coverage includes patient education and multidisciplinary rehabilitation

Surgical Management of Cervical Disc Herniation PS Ramani,P. S. Ramani,2012-05-18 Cervical disc herniations occur in the neck and are usually the result of a medical condition caused by trauma or disease Symptoms can affect the back of the skull the neck shoulder girdle scapula shoulder arm and hand This book discusses the surgical management of a herniated cervical intervertebral disc Beginning with an introduction to the clinical and applied anatomy of subaxial cervical spine the following chapters examine surgical procedures for different spinal diseases and disorders The final chapter describes the advantages and disadvantages of anterior and posterior surgical approaches With contributions from recognised authors from Europe the USA and Asia this manual includes more than 250 colour images and illustrations

Minimally Invasive Spinal Surgery Kai-Uwe Lewandrowski,Michael Schubert,Jorge F Ramírez León,Richard G Fessler,2018-03-13 This book provides a timely comprehensive and evidence based review of minimally invasive surgery of the cervical thoracic and lumbar spine Minimally invasive techniques are now aided by more advanced endoscopic instruments video and computerised navigation systems broadening the range of surgical procedures that can be carried out with similar efficacy as traditional open spinal surgeries without the significant burden on the patient recovery and rehabilitation This book thoroughly reviews the preclinical and clinical data on minimally invasive spinal surgery and describes and illustrates the current effective techniques An authoritative international team of contributors add their clinical experience and expertise to provide a clear authoritative and practical guide The book is organised in four sections covering cervical thoracic and lumbar spine regions with a final section on the latest advances in technologies and the cost effectiveness of current treatments

Recent Advances in Spinal Surgery Alexander Vaccaro,John D. Koerner,David H.

Kim,2016-02-12 Recent Advances in Spinal Surgery is a comprehensive illustrated collection of the most recent developments in the field An editorial team of US based experts ensures authoritative content throughout Divided into seventeen chapters this book covers the full spectrum of spinal conditions and interventions All information is thoroughly up to date including reviews of novel neuroprotective and neuroregenerative strategies and new tools for predicting surgical outcomes and collecting data Recent Advances in Spinal Surgery also features discussion on surgical options for patients for whom non operative interventions are unsuccessful and covers total disc replacement for both the cervical and lumbar spines 88 full colour illustrations enhance this important update in the field of spinal surgery Key Points Reviews of the most recent developments in the field of spinal surgery New neuroprotective and neuroregenerative strategies for spinal cord injuries 88 full colour illustrations

Motion Preservation Surgery of the Spine James J. Yue,2008 New motion preserving devices are revolutionizing spine surgery Global leaders in the area discuss the advantages and disadvantages of the full range of non fusion technologies and present the step by step richly illustrated operative guidance surgeons need to achieve optimal outcomes This edition includes access to the text online

Geriatric Palliative Care Suzanne Goldhirsch,2014-03-21 The growing geriatric population in the United States has created an increasing need for palliative medicine services across the range of medical and surgical specialties Yet palliative medicine lacks the resources to carry such a workload itself Geriatric Palliative Care addresses this need by encouraging individual specialties to own the management of elderly with the same vigor as they own other key management competencies within their specialty This clinically focused and highly practical handbook which compliments the more comprehensive text Geriatric Palliative Care by Sean Morrison and Diane Meier Oxford University Press 2003 encourages this process of learning and ownership across many medical specialties Designed to be readable and easily accessible to a range of health care providers Geriatric Palliative Care outlines specific strategies for caring for specific palliative care issues common in elderly patients The handbook also provides evidence based advice for helping patients relatives and staff cope with such issues as polypharmacy dementia and consent multiple pathologies home care elderly caregivers and supporting the elderly in the place where they would like to be

Benzel's Spine Surgery E-Book Michael P Steinmetz,Edward C. Benzel,2016-06-29 In the latest edition of Benzel s Spine Surgery renowned neurosurgery authority Dr Edward C Benzel along with new editor Dr Michael P Steinmetz deliver the most up to date information available on every aspect of spine surgery Improved visuals and over 100 brand new illustrations enhance your understanding of the text while 26 new chapters cover today s hot topics in the field A must have resource for every neurosurgeon and orthopedic spine surgeon Benzel s Spine Surgery provides the expert step by step guidance required for successful surgical outcomes Glean essential up to date information in one comprehensive reference that explores the full spectrum of techniques used in spine surgery Covers today s hot topics in spine surgery such as pelvic parameters in planning for lumbar fusion minimally invasive strategies for the treatment of tumors and trauma of the spine and biologics

and stem cells A total of 18 intraoperative videos allow you to hone your skills and techniques New editor Michael P Steinmetz brings fresh insights and improvements to the text Features the addition of 26 chapters including Biologics in Spine Fusion Surgery Endoscopic and Transnasal Approaches to the Craniocervical Junction Cellular Injection Techniques for Discogenic Pain Minimally Invasive Techniques for Thoracolumbar Deformity Spinal Cord Herniation and Spontaneous Cerebrospinal Fluid Leak MIS Versus Open Spine Surgery Extensive revisions to many of the existing chapters present all of the most up to date information available on every aspect of spine surgery Improved visuals and over 100 brand new illustrations enhance learning and retention

Spine Disorders J. D. Bartleson, H. Gordon Deen, 2009-07-23 An essential one stop reference guide to the evaluation and treatment of patients with cervical thoracic and lumbar spine disease Based on a course taught by these highly respected authors at the American Academy of Neurology's Annual Meeting this volume gives concise descriptions of the anatomy of spine conditions neurologic and physical findings advice on diagnostic tests and when to order them and medical and surgical treatment options Commonly performed spinal procedures are also described including the rapidly changing field of minimally invasive surgery Pitfalls of evaluating and treating spine patients are highlighted along with advice on how to approach the patient who does not improve or worsens after spine surgery *Spine Disorders Medical and Surgical Management* is an essential purchase for all practitioners in this field

Advanced Concepts in Lumbar Degenerative Disk Disease João Luiz Pinheiro-Franco, Alexander R. Vaccaro, Edward C. Benzel, H. Michael Mayer, 2015-10-09 In this book leading international specialists in the field join forces to discuss topics issues and approaches that are of key importance in the optimal treatment of lumbar degenerative disk disease The coverage is wide ranging from current understanding of physiopathology and genetics and modern imaging techniques through to the diverse minimally invasive non fusion and fusion surgical techniques Detailed attention is drawn to the most important aspects to be considered when approaching the patient and making treatment decisions The role of conservative management is appraised and surgical techniques and their indications are carefully described In the concluding section some of the top specialists from across the world reflect on the lessons that they have learned during lifetimes in spinal surgery *Advanced Concepts in Lumbar Degenerative Disk Disease* will be an instructive and fascinating source of information for all spine surgeons and other spine care providers

Cumulated Index Medicus , 1989

Integrated care for older people (ICOPE) World Health Organization, 2025-01-15 The second edition of the ICOPE guidance for person centred assessment and pathways in primary care ICOPE handbook second edition aims to support health workers in primary care put the recommendations outlined in the ICOPE Guidelines <https://iris.who.int/handle/10665/258981> into practice Reflecting field experience the ICOPE handbook second edition details the four steps of the ICOPE care pathway in primary care basic assessment in depth assessment developing a personalized care plan and implementing and monitoring It includes an expanded first step and NEW urinary incontinence care pathway Greater focus is given to the community level than the first edition both what can

happen within older people's communities and how community health workers and other stakeholders can be engaged This includes conducting a basic assessment of the loss of intrinsic capacity cognition mobility vitality vision hearing and psychological capacity plus social support support for carers and urinary incontinence provision of health and lifestyle advice screening for cardiovascular disease risk factors and community based interventions for losses in intrinsic capacity

Arthritis and Arthroplasty Francis H. Shen, Christopher I. Shaffrey, 2010 The Spine a volume in the new Arthritis and Arthroplasty series offers expert guidance on everything from patient selection and pre operative planning to surgical approaches and techniques Francis H Shen and Christopher I Shaffrey present clear evidence based coverage detailing which technology and methodology is best for each patient Access discussions of debates on anterior versus posterior approaches for the surgical management of cervical myelopathy indications for thoracoscopic surgery options for minimally invasive surgery MIS in degenerative spinal conditions and more Explore the role for evolving technologies and non fusion techniques for the management of various spinal pathologies and view expertly narrated video demonstrations of surgical techniques In addition to providing practical pragmatic advice in a concise readable format this Expert Consult title offers the full text of the book as well as links to PubMed and periodic content updates online at www.expertconsult.com Access the full text of the book as well as links to PubMed and periodic content updates online at www.expertconsult.com Provides evidence based clinically focused guidance on patient selection pre operative planning surgical approach and techniques instrumentation disease specific options the management and avoidance of complications and more Discusses variations in technique including thoracoscopy microdiscectomy interbody fusion osteotomies laminectomy MIS decompression techniques and more Explores alternatives to fusion in younger arthritic patients including disc arthroplasty facet joint replacement nucleus replacement Includes a review page in every chapter for quick reference to pearls and pitfalls for each topic Presents photographs and interpretive drawings of surgical techniques in full color to bring out intraoperative details as they appear in the operating room Features procedural videos narrated by experts on the included DVD so you can see how to perform particular techniques

Surgery for Low Back Pain Marek Szpalski, Robert Gunzburg, Björn L. Rydevik, Jean-Charles Le Huec, H. Michael Mayer, 2010-03-26 Low back pain is a very common problem that is increasingly being treated surgically This book aims to evaluate carefully the possible surgical approaches to low back pain with detailed appraisal of the factors leading to their success or failure It begins by explaining the scientific basis for surgery and considering the different diagnostic techniques that may be employed thereby elucidating the surgical rationale indications and contraindications The value of conservative options is also assessed to help the reader weigh the need for surgery The various surgical modalities including the most recent are then fully described and evaluated with the aid of numerous illustrations The book concludes with a chapter devoted to evidence based analysis of the outcome of surgery in patients with low back pain This book will be invaluable to orthopaedic and neurosurgeons rheumatologists neurologists and all who are

concerned with the effective treatment of this often debilitating condition

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