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KEY=SURGERY - CARLA JIMENEZ

Manual of Spine Surgery

Springer Science & Business Media The success of any spinal operation depends on good definition of the indications, consideration of the contraindications, technical and organizational factors, good operating technique and correct preoperative preparation and positioning of the patient. These points are presented in this book as clearly as possible and are illustrated with detailed high quality artwork.

AO Spine Manual, Books and DVD

Thieme Based on the successful format of AO courses, this two-volume reference is a comprehensive manual for the latest AO spine techniques. Principles and Techniques begins with a complete review of basic science concepts, helping the reader understand the biomechanics, biology, and the surgical anatomy of the spine. This volume provides a systematic overview of spinal instrumentation, computer-assisted surgery, and anesthesia considerations. Clinical Applications presents a compilation of clinical cases addressing the most common spinal problems, such as spinal trauma, tumors, infections, inflammatory processes, deformities, degenerative spinal diseases, and metabolic bone disease. For each case, the book guides the reader from case presentation, through rationale for surgical treatment, and to non-operative treatment options. The authors describe potential complications in spine surgery and outcomes. Throughout both volumes, high-quality photographs and drawings illustrate surgical techniques step-by-step and demonstrate key concepts of management. Clear, easy-to-reference bulleted lists and shaded text boxes facilitate rapid review of important learning points.

Minimally Invasive Spine Surgery

A Surgical Manual

Springer Science & Business Media In the past few years spine surgery has undergone revolutionary changes leading towards minimally invasive techniques. This book is a survey of microsurgical as well as endoscopic surgical techniques for the treatment of a variety of spinal disorders. The structure of the individual chapters includes terminology, history, surgical principles, advantages/disadvantages, indications, surgical technique, complications and hazards as well as results. However all chapters are focused on a very didactic presentation of surgical steps. Thus, the reader will get familiar with a variety of new techniques some of which are already integrated into clinical routine others still being part of ongoing clinical trials and development.

The Step by Step Guide to Cervical Spine Surgery

The Riew-Kim Manual for Cervical Spine Surgery

World Scientific Publishing Company Incorporated Providing a step by step guide to cervical spine surgery, this invaluable covers all the major surgical procedures in cervical spine surgery, including tips and pearls for a safe and efficient surgery. Written by Dr K Daniel Riew, MD and Dr Han Jo Kim MD, this book describes each surgical procedure in fine detail. Each chapter describes a specific procedure, starting with positioning and surgical approach, followed by the technical aspects of the surgery and the reasoning behind why the surgery is performed with these techniques. The step by step explanation of the procedure is accompanied by vivid illustrations, and a surgical video of how the surgery is performed that is included with the book. At the end of each chapter, additional tips and pearls from international experts in cervical spine surgery are listed. The Step-by-Step Guide to Cervical Spine Surgery may be used as a textbook for cervical spine surgeons who want to have a reference for performing cervical spine surgery in a safe and systematized manner in order to minimize complications. The detailed explanations provided are helpful for understanding the fine nuances of cervical spine anatomy that tailor the authors' methods and guide their techniques.

Manual of Spinal Surgery

Butterworth-Heinemann

Manual of Internal Fixation of the Spine

Lippincott Williams & Wilkins This volume provides spinal surgeons with detailed instruction in the latest techniques of spinal instrumentation and fixation. The book is designed to equip the surgeon with the know-how needed to perform these procedures, enhance surgical results, and minimize complications.

AO ASIF Principles in Spine Surgery

Springer Science & Business Media This book has become necessary as a consequence of the rapid expansion of the surgical procedures and implants available for spinal surgery within the "AO Group". We have not attempted to write an in-depth book on spinal surgery, but one which will help the surgeon in the use of AO concepts and implants. We consider the practical courses held all over the world essential for the teaching of sound techniques so that technical complications and poor results can be avoided for both the surgeon and, in particular the patient. This book is a practical manual and an outline of what is taught in the courses. It is intended to help the young spinal surgeon to understand the correct use of AO implants. The indications given will aid the correct use of each procedure. It must be strongly emphasized that surgery of the spine is technically demanding. The techniques described in this book should only be undertaken by surgeons who are trained and experienced in spinal surgery. Certain techniques, in particular pedicle screw fixation and cages, have not yet been fully approved by the FDA in the United States. However, throughout the rest of the world, the use of pedicle screws has become a standard technique for the spine surgeon, since it has been shown to improve fixation techniques and allow segmental correction of the spine. The use of cages has become more and more popular, specifically as a tool of minimally invasive spinal surgery.

Handbook of Minimally Invasive and Percutaneous Spine Surgery

CRC Press Handbook of Minimally Invasive and Percutaneous Spine Surgery, edited by Drs. Wang, Anderson, Ludwig, and Mummaneni, is destined to become a favorite with all students of spine surgery, whether residents in training or experienced practitioners. Small enough to fit in a lab coat pocket, this exceptional manual is just the resource you need. It will prove invaluable as a quick reference in daily practice or simply as a refresher when confronting a difficult clinical problem. This fully illustrated fundamental guide focuses on procedures and techniques that require minimal exposure. Presented in a concise and readable format, this text delivers the basics for those new to minimally invasive surgery as well as pointers and tips for more advanced surgeons. It is destined to become a favorite with all students of spine surgery. Composed of 11 chapters, this practical manual begins with the true foundation of minimally invasive surgery—imaging. Safe and effective surgery performed through minimal exposures demands a thorough mind's-eye understanding of anatomy without visualization. Moreover, it requires a keen ability to mentally translate two-dimensional imaging into three-dimensional anatomy. Next, the most common techniques of cannulation are covered in a logical step-by-step fashion, just as it is taught in the operating room. Minimally invasive options for pedicle screw placement are completed with a chapter describing the mini-open technique. The second half of this book focuses on fusion and pedicle screw insertion. Finally, this handbook does not ignore the endpoint of all these techniques—achieving successful fusion. Techniques to enhance the success of this outcome are discussed in Chapter 9, whereas potential complications and methods to avoid them are outlined in Chapter 8. Each chapter concludes with "Surgical Pearls and Pitfalls," which provide summaries of the salient points discussed in the chapter. Unique to this text are highlighted boxes outlining "Bailouts/Alternative Strategies" for completing the task when classic techniques fail. Furthermore, each chapter is well illustrated, with step-by-step images that clearly demonstrate the points being made. Written by world-recognized minimally invasive spine surgeons, this handbook provides essential coverage of key topics.

The Resident's Guide to Spine Surgery

Springer Nature With an emphasis on set-up and execution and lessons learned from expert practitioners, this concise, practical guide for residents and fellows presents the essentials for both common and complex spine surgery. Proceeding anatomically from the cervical to the sacroiliac, and including chapters on spinal tumors, infection and revision

surgery, nearly 40 different procedures are highlighted, from corpectomy, arthroplasty and laminectomy to percutaneous screws, decompression and fusion. Chapters include all the information a resident will need to know: indications and contraindications, imaging and diagnosis, OR set-up and instrumentation selection, the specific operative technique, post-operative protocols, and clinical pearls and pitfalls. Radiographs and full-color intraoperative photographs accompany each procedure. Whether suturing dura or performing a lateral interbody fusion, spinal surgery is a technical pursuit, and having a firm grasp of the details can ultimately determine the procedure's success. Written and edited by veterans in orthopedic surgery and neurosurgery, *The Resident's Guide to Spine Surgery* is just the detailed, user-friendly resource for up-and-coming clinicians looking to develop and expand their surgical expertise.

Do You Really Need Back Surgery?

A Surgeon's Guide to Neck and Back Pain and How to Choose Your Treatment

Oxford University Press Most people have back surgery to relieve pain, but all too often it doesn't help. For the half million people who undergo back surgery each year, and the additional million who are seriously contemplating it, *Do You Really Need Back Surgery?* is a godsend--an informed, reliable guide to when you should consider surgery and when you should not. Written by an internationally recognized expert in nerve and spinal surgery, this highly readable guide covers everything back patients need to know to make informed decisions about their treatment. The book discusses the details of spinal anatomy; the difference between acute, chronic, and recurring pain; shows how to keep the spine healthy; and explains such terms as spurs, stenosis, and slippage. It also reveals what clues your physician uses to predict whether a given type of pain is likely to go away with rest and exercise, and which types may become emergencies. Dr. Filler discusses the risks of surgery, the decisions you may be faced with and what options you have, and your expectations for recovery. He provides detailed explanations of the wide array of spinal injections and surgeries, including discectomies and fusions, as well as innovative procedures such as electrothermic and laser techniques and artificial disks. He explains the various medical imaging and diagnostic tests available and even covers the complexities of health insurance. From Pilates to pedicle screws, and from osteoporosis to spina bifida, *Do You Really Need Back Surgery?* covers all the questions your doctor usually doesn't have the time to answer. Featuring more than 80 illustrations, it is an essential manual for every neck or back pain sufferer.

Pocket Atlas of Spine Surgery

Thieme Pocket Atlas of Spine Surgery, 2nd Edition by Kern Singh and Alexander Vaccaro is unique in its presentation, utilizing multilayered visuals to delineate the most commonly performed spine procedures. High-definition intraoperative photographs are juxtaposed with translucent anatomic drawings. This facilitates visualization of both the entire surgical field and complex anatomy never "seen" during surgery. It also provides greater insights into the subtleties of both open and technically demanding minimally invasive spine surgery techniques. Unlike many large spine surgery atlases, this is the perfect, on-the-go, pocket-size resource for busy spine surgeons who work in any clinical setting. From the cervical to lumbar spine, 21 concise chapters reflect the collective technical expertise of internationally renowned spine surgeons. Easy-to-follow guidance is provided on fundamental open and minimally invasive techniques, including pedicle screw placement, fusion, discectomy, corpectomy, foraminotomy, laminoplasty, and laminectomy. Each procedural chapter focuses on the importance of accurate visualization, adequate homeostasis, and impacted anatomical structures. Insightful tips, pearls, and potential pitfalls throughout the book expedite acquisition of knowledge Nearly 200 detailed, clearly labeled images of common spine procedures provide invaluable anatomical and clinical guidance Expanded insights on positioning in spine surgery Added discussion of surgical challenges, including warnings and descriptions of internervous planes Orthopaedic surgeons, neurosurgeons, and surgical trainees will discover an indispensable and friendly white coat reference for everyday practice. The visually rich atlas will also benefit physician assistants, surgical nurses, and all practitioners involved in the operative care of spine surgery patients.

Spine Surgery

Tricks of the Trade

Thieme Praise for this book:[Four stars] This book is required reading for orthopedic and neurosurgical fellows and residents...very highly recommend[ed]...outstanding.--Doody's Review This best-selling book returns in a second edition covering the major procedures in spine surgery and the latest technical innovations in the field. Retaining the comprehensive scope and accessible presentation of the previous edition, the book distills the basic elements of each procedure using concise descriptions and simple line drawings. New sections of the book cover minimally invasive exposure methods, motion-sparing techniques, and the latest fixation techniques. Highlights: Each chapter outlines the essentials of the procedure in just a few pages Consistent presentation throughout the book enhances ease of use Tips, pearls, lessons learned, special considerations, pitfalls, and bailout, rescue, and salvage procedures emphasize critical points to help ensure a safe and effective procedure Nearly 500 illustrations demonstrate key technical points Concise and up-to-date, this book serves as an invaluable quick reference prior to surgery. It is ideal for clinicians and residents in spine surgery, orthopedics, and neurosurgery.

Handbook of Spine Surgery

Thieme Handbook of Spine Surgery, Second Edition, is a completely updated and comprehensive reference that distills the basic principles of contemporary spine surgery. Its coverage of both principles and techniques makes it an excellent refresher before surgery or a valuable daily companion for residents and surgeons caring for patients with spinal disorders. Key Features of the Second Edition: New chapters on adult degenerative deformity, pediatric scoliosis and radiographic principles of deformity Expanded spinal trauma section now includes separate chapters on cervical, thoracolumbar, and sacropelvic injuries Common clinical questions (with answers) at the end of each chapter highlight topics frequently encountered in the operating room and on board exams Easy-to-read bulleted format The second edition of this handbook is the go-to guide for all those involved in spine surgery.

Spine Surgery

Elsevier Health Sciences Spine Surgery, 2nd Edition delivers step-by-step, multimedia guidance to help you master the must-know techniques in this field. Part of the popular and practical Operative Techniques series, this orthopaedics reference focuses on individual procedures, each presented in a highly visual, easy-to-follow format for quick reference. Access the entire text, fully searchable, online at www.expertconsult.com. Concentrate on precisely the information you need with brief, highly illustrated coverage of each surgical technique, complemented with just the right amount of relevant science. Find the answers you need quickly and easily with a strictly templated format for consistent and rapid visual reference. View 12 surgical videos at www.expertconsult.com demonstrating how to perform state-of-the-art procedures such as C1-C2 Posterior Cervical Fixation, Minimally Invasive Deformity Correction and Fusion, and Lumbar Disc Arthroplasty. Learn today's hottest techniques with new chapters on C2 translaminar fixation, vertebroplasty/kyphoplasty, internal laminectomy, and interbody fusion. See exactly what to do using step-by-step intraoperative photos demonstrating each technique, and radiographs showing presenting problems and post-surgical outcomes. Achieve optimal results using minimally invasive surgery whenever possible. Contain costs by using new implants related to pedicle screws and interbody devices, as well as new biologics such as BMP (bone morphogenetic protein). Benefit from the latest evidence-based information from randomized trials and retrospective studies.

Surgical Approaches to the Spine

Springer Science & Business Media The second edition of the highly successful *Surgical Approaches to the Spine* will continue the tradition of presenting clearly enumerated and illustrated, step-by-step surgical procedures for the spine. New to this edition are chapters on the anterior approach to clivus C1 & C2, transclavicular cervico-thoracic approach, transsternal approach to the cervico-thoracic & upper thoracic spine, approaches to the sacrum & pelvis, and laparoscopic approaches.

Navigation and Robotics in Spine Surgery

Thieme A unique how-to guide for spine surgeons on state-of-the-art computer-assisted navigation and robotic surgery techniques The past decade has seen major advances in image-guided spine surgery techniques, with robotically assisted approaches emerging in the last five years. While early adopters of this technology paved the way for more widespread use of navigated and robotic systems, barriers still exist. *Navigation and Robotics in Spine Surgery* by master spine surgeon Alexander Vaccaro and esteemed co-editors Jaykar Panchmatia, I. David Kaye, and Srinivas Prasad addresses existing issues such as the perception of increased upfront costs, intrusion on current workflow, and a lack of understanding about the potential ways these technologies can enhance the surgical experience and improve patient outcomes. Organized into six sections, the book starts with evidence-based fundamentals of navigated spine surgery and robotics including discussion of instrumentation and mechanics. Sections 2-5 serve as a surgical handbook for spine surgeons who wish to introduce these technologies into practice or augment their current repertoire with more complex techniques. Topics range from more routine procedures such as navigated and robotic minimally invasive TLIF to complex approaches like intraoperative ultrasound guided intradural spinal tumor resection. The final section looks at future directions and potential new applications for these technologies. Key Highlights An impressive group of international spine surgeons who pioneered navigation and robotic surgery techniques share invaluable tricks of the trade Discussion of fluoroscopy- and intraoperative CT-based platforms, applications for intraoperative sonography, and radiation exposure and minimization strategies Special topics include OR set-up and workflow, surmounting the learning curve, artificial intelligence, and lessons learned from other industries Procedural videos demonstrate the benefits of computer-assisted navigation and robotic techniques This book is essential reading for orthopaedic surgery and neurosurgery residents and spine fellows who wish to learn about and incorporate these technologies into practice. Seasoned spine surgeons seeking to expand the scope of their navigated/robotic practice will benefit from chapters detailing advanced approaches.

AOSpine Manual

Thieme Volume 1 presents basic scientific and technical principles - it provides the reader with the scientific background to understand spine surgery and it teaches how to apply these surgical principles using the instrumentation necessary in a step-by-step manner with exceptional illustrations. Volume 2 presents discussion concerning typical clinical cases. The reader is involved in the development of the rationale of treatment, the indications, the contraindications, the argumentation in favor of a technique or against one, and the outcome. Case examples are outlined with learning points from more than 50 surgeons of which each leader in their surgical field. [taken from back cover] AOSpine teaching videos and clips enhance learning on the accompanying DVDRom.

Orthopaedic Spine Surgery

- An Instructional Course Textbook

Steinkopff Based on the instructional course of orthopaedic spine surgery, the "Ulm Spine Week", which is held annually at the Department of Orthopaedics of the University of Ulm, a panel of experts in the field of spine surgery is presenting a variety of issues related to the treatment of acquired disorders of the cervical, thoracic, and lumbar spine as well as to lumbar non-fusion technology.

Surgical Approaches to the Spine

Springer Now is its revised and expanded third edition, including nine new chapters, this step-by-step, state-of-the-art procedural manual covers over 50 unique surgical approaches for injuries and conditions of the spine. Generously illustrated, various surgical approaches to the cervical, thoracic and lumbar spine are clearly enumerated and described, including anterior, lateral, and posterior approaches and the worldwide movement toward the use of tubular retractors for a multitude of approaches. Written and edited by leaders in the field of spine surgery, this updated edition will be an invaluable resource for orthopedic surgeons, neurosurgeons and sports medicine practitioners alike.

AO Spine Manual, Volume 1: Principles and Techniques Volume 2: Clinical Applications

George Thieme Verlag Based on the successful format of AO courses, this two-volume reference is a comprehensive manual for the latest AO spine techniques. For each case, the book guides the reader from case presentation, through rationale for surgical treatment, and to non-operative treatment options. The authors describe potential complications in spine surgery and outcomes. Volume I, Principles and Techniques, begins with a complete review of basic science concepts, helping the reader understand the biomechanics, biology, and the surgical anatomy of the spine. This volume provides a systematic overview of spinal instrumentation, computer-assisted surgery, and anesthesia considerations. Volume II, Clinical Applications, presents a compilation of clinical cases addressing the most common spinal problems, such as spinal trauma, tumors, infections, inflammatory processes, deformities, degenerative spinal diseases, and metabolic bone disease. Throughout both volumes, high-quality photographs and drawings illustrate surgical techniques step-by-step and demonstrate key concepts of management. Clear, easy-to-reference bulleted lists and shaded text boxes facilitate rapid review of important learning points. An accompanying DVD-ROM with video clips from live surgery symposia and practical exercises also enhance the reader's learning experience.

Spine Essentials Handbook

A Bulleted Review of Anatomy, Evaluation, Imaging, Tests, and Procedures

Thieme A unique, visually appealing, and easy-to-read guide on spinal anatomy, pathology, and management The management of patients with spinal conditions involves a team-based approach, with professionals and trainees contributing through their respective roles. As such, medical trainees need resources that enable them to quickly and adeptly learn spine "basics," such as performing spinal examinations. This handbook is a concise, compact guide on key principles of spine surgical knowledge — from the atlanto-occipital joint to the coccyx. It provides both professionals and medical trainees with user-friendly, insightful text gleaned from the hands-on insights of seasoned spinal surgeons. Core fundamentals cover spine anatomy, clinical evaluations, spine imaging, diagnostic spine tests, and select spine procedures. Common surgical approaches are delineated in succinct bulleted text, accompanied by case studies and radiographic pathology. This format is conducive to learning and provides an ideal spine surgery review for medical students, postgraduate trainees participating in spine rotations, and residents. Key Highlights The only book on spinal pathology and management created with contributions from medical students and residents High-impact citations and questions at the end of each chapter highlight key topics Detailed drawings, diagrams, radiographic images, and MRIs elucidate and expand upon chapter topics Tables provide a quick reference, with concise information including impacted anatomy, nerves, and procedural maneuvers utilized in exams Spine Essentials Handbook: A Bulleted Review of Anatomy, Evaluation, Imaging, Tests, and Procedures is a must-have resource for orthopaedic and neurosurgery residents and medical students. It will also benefit physiatrists, spine practitioners, orthopaedic and neurosurgical trainees and nurses, and chiropractors.

Spine Surgery

Tricks of the Trade

Emory's Illustrated Tips and Tricks in Spine Surgery

Lippincott Williams & Wilkins Part of the popular Tips and Tricks series, Emory Spine: Illustrated Tips and Tricks in Spine Surgery provides succinct and practical advice acquired from years of expert practice in spine surgery. Led by John M. Rhee, MD from the Emory University Department of Orthopaedic Surgery and Emory University Spine Fellowship, this visually stunning reference focuses exclusively on detailed descriptions of technical tips and tricks for all aspects of spine surgery. This unique approach will be highly useful to everyone from orthopaedic and neurosurgery spine fellows and residents, to practicing spinal surgeons - anyone who would benefit from exposure to the wisdom that experienced attending surgeons pass on to those who are training or working in this complex field.

Manual of Spine Surgery

Springer Science & Business Media The success of any spinal operation depends on good definition of the indications, consideration of the contraindications, technical and organizational factors, good operating technique and correct preoperative preparation and positioning of the patient. These points are presented in this book as clearly as possible and are illustrated with detailed high quality artwork.

Spine Surgery

Elsevier Health Sciences Provides guidance on how to perform a wide-variety of techniques in spine surgery. Topics covered include immobilization techniques, anterior and posterior approaches, and thoracic spine surgery.

Manual of Cervical Spine Internal Fixation

The Manual of Cervical Spine Internal Fixation discusses contemporary surgical treatment of the cervical spine as presented by the internationally recognised neurosurgical and orthopaedic members of the Cervical Spine Study Group. The authors describe indications, contraindications, patient preparation and positioning, surgical techniques, and postoperative care for both anterior and posterior cervical procedures. To completely represent clinical considerations, each member of the CSSG has inserted their own insights and pearls, thereby allowing discussion of several opposing opinions and surgical styles. In addition, the unique pathology and anatomy images captured by Wolfgang Rauschnig give the reader detailed exposure to cervical spine anatomy.

Spinal Instrumentation

Surgical Techniques

Thieme Better understanding of biomechanics, improvements in technology, and new knowledge of the disease process in the spine have led to rapid advances in spinal instrumentation. This book is your complete guide to all contemporary forms of spinal implant systems. It not only highlights the newest devices, but also gives you the clinical guidelines you need to choose and apply the best implant for any surgical situation. Along with an all-inclusive list of the spinal instruments available today, the book offers direct comparisons of each system to help you make an informed and confident selection. You will also find valuable tips on insertion techniques and complication avoidance to maximize

success in the operating room. And, thousands of exquisite graphics ensure a lucid understanding of all implants and their applications. Here is your single authoritative source for upgrading your knowledge and skill set in current implant systems. No spine surgeon, orthopedic surgeon, neurosurgeon, or resident should be without this encyclopedic volume.

Neurotrauma and Critical Care of the Spine

Thieme Neurotrauma and Critical Care of the Spine provides a concise review of the current surgical interventions and medical treatments for patients with traumatic spine injuries. Experts in the fields of neurosurgery and orthopedic surgery lead clinicians through each stage of patient care, from prehospital care to initial assessment to diagnostic work up and finally through operative and nonoperative treatments. The book places special emphasis on critical care of the patient and provides insight into future techniques for management. Features: Review of fundamental science concepts, including pathophysiology, spinal cord regeneration, and the biomechanics of the spine Guidelines for selecting appropriate imaging modalities and administering diagnostic tests, such as electrophysiological studies Thorough descriptions of preoperative evaluation and medical optimization of the patient Chapters covering such important topics as pediatric management, multidisciplinary approaches to rehabilitation and recovery, socioeconomic issues, and ethical issues Summary tables that synthesize the literature and provide an overview of treatment options More than 130 high-quality illustrations demonstrating key concepts Guiding clinicians from assessment through rehabilitation, this book presents a comprehensive, multidisciplinary approach that will enable neurosurgeons, orthopedic surgeons, trauma and emergency specialists, and residents in these specialties to optimize patient care. The companion volume to this book is Neurotrauma and Critical Care of the Brain.

Operative Manual of Neurosurgery: A Step by Step Pictorial Atlas

Two Volume Set

Jaypee Brothers Medical Publishers Pvt Limited Comprising two volumes, this pictorial atlas is a comprehensive guide to operative neurosurgery for trainees. Divided into 21 sections across more than 1700 pages, the book begins with discussion on preoperative and intraoperative considerations, and basic techniques. Each of the following sections covers numerous surgical procedures for disorders in the brain and spine including trauma, tumours, skull base surgery, vascular surgery, cervical spine, minimally invasive spine surgery, peripheral nerve surgery, and many more. A complete section is dedicated to paediatric neurosurgery and the book concludes with chapters on postoperative management. Presented in a step by step format, the atlas explains procedures using detailed photographs and illustrations. Each chapter begins with an introduction, then radiological imaging, guidance on positioning, and direction on the surgical technique. Authored by recognised experts in the field, this book is an invaluable resource for junior and trainee neurosurgeons.

The Textbook of Spinal Surgery

Vol. 2

The Neck Pain Guide

Answers Your Most Common Questions About Diagnosis, Non-surgical Treatment Options, And Cervical Spine Surgery

Weatherly Press LLC Dr. George M. Ghobrial's handbook for neck pain encompasses all aspects of diagnosis and care of acute and chronic neck pain: early and late management, resources, facilities, physicians and other healthcare providers and their roles, medication, physical therapy, imaging, as well as surgical and nonsurgical treatments. The Neck Pain Guide follows the recently published book of the Spine Health Learning Series, The Low Back Pain Guide (2019), with the goal to answer the most common questions encountered in the clinic and emergency department about neck pain. Using over 60 illustrations, Dr. Ghobrial introduces the anatomical and clinical issues related to degenerative disorders of the spine in a clear manner, explaining many terms such as disc herniations, spondylosis, degenerative disc disease, radiculopathy, and more. Topics include: common diagnostic imaging techniques such as X-ray, CT, MRI, as well as spinal injections, physical therapy, electrodiagnostic testing, discectomy, foraminotomy, laminotomy, fusion, disc replacement, scoliosis, bracing, minimally-invasive surgery, endoscopic surgery, laser spine surgery, and other emerging topics such as 'stem cell' injections and more. Suffering From Acute Neck and Arm Pain? Overwhelmed by the vast treatment options and not sure which to start with, or where to go? The Neck Pain Guide is a unique and comprehensive reference to assessing acute neck pain. Learn about concerning red flag symptoms, understand the available resources, and learn commonly avoidable options such as opiates and early imaging and invasive pain treatments. Nearly 100 of the most common questions asked by patients in the clinic, are answered in a clear manner, including over 200 references for easy review. Dr. Ghobrial reinforces a system that may help patients organize and guide their own care more efficiently, limit redundancy and waste, and expedite their journey to alleviate pain. Moreover, this guidebook teaches a basic process to confidently assess the evidence behind healthcare and advertising treatment claims, including research. These techniques for organization and rapid assessment are useful not only with neck pain, but for any aspect of care and also for the rapid emergency of new technologies and treatments, ultimately building confidence in managing one's own healthcare. This book is ideal for all audiences interested in learning more about the basics of neck pain management, modern healthcare treatments, and a strategy to get better. Having a medical background is not necessary to understand this book as the goal of this work is to educate patients and provide them with all the information in the same place, and to organize that information into a question and answer reference. Since not everyone has the precious free time to read lengthy nonfiction books on a single technical subject, this book is organized to allow for questions and topics to be more rapidly found among the table of contents and index, directing the reader to a helpful explanation and illustration. Despite being a highly prevalent healthcare problem in North America (also worldwide), there are no comprehensive, patient-centered books that cover the full scope of modern back pain management, which was the motivation for providing the Low Back Pain and Neck Pain Guides. Also, unlike the majority of patient-centered educational materials, a truly unique perspective is shared, which is that of a neurosurgeon with expertise and fellowship training in spinal surgery. This book will emphasize non-surgical treatments, since they comprise the majority of spinal care. The author, is a fellowship-trained spinal surgeon and neurosurgeon with an interest in public health and education. With that in mind, this book is for patients who wish to demystify neck and low back pain, critically assess their healthcare options, and maximize informed decision making.

Decision Making for Minimally Invasive Spine Surgery

Thieme Decision Making for Minimally Invasive Spine Surgery provides the critical tools needed to determine exactly when, for whom, and why minimally invasive spine surgery (MISS) is a viable option. Ten tightly focused chapters each begin with a decision making algorithm that explains how to ascertain if MISS will benefit the patient more than traditional open surgery. Following each algorithm, concise yet detailed information on the preoperative evaluation, surgical techniques, and possible outcomes helps the reader to formulate a clear surgical strategy. The book closes with an incisive analysis of radiosurgery, instrumentation systems, image guidance, and promising advances in MISS that will stimulate further discussion of this emerging area. Features A realistic assessment of both the advantages and drawbacks of MISS by pioneers in the field Evaluative algorithms allow readers to form rapid, fully informed treatment decisions Intuitive organization by spinal region facilitates quick reference Spine surgeons, residents, or fellows in orthopedic surgery or neurosurgery will refer to this easily accessible manual every time they consider performing a minimally invasive spine procedure. This is an excellent book with no comparisons, useful for neurosurgeons, spine surgeons, and radiologists.--Doody's

Reconstruction of Upper Cervical Spine and Craniovertebral Junction

Springer Science & Business Media An illustrative manual for general spine surgeons, this text atlas covers all currently available techniques of upper cervical spine and craniovertebral junction reconstruction. All the surgical risks and benefits are discussed and compared with the outcome of more than 300 surgeries of this region. The surgical procedures are demonstrated step-by-step in instructive drawings and illustrations describing the approach, technique of implant introduction and spine reconstruction. A special focus is on realtime and virtual navigation techniques as well as potential complications and their avoidance.

Muscle Chains

Spiral Stabilization of the Spine : Manual Techniques, Movement Therapy for a Herniated Intervertebral Disc Without Surgery, for Post Spinal Surgery Complications,

for Scoliosis Without a Brace Or Surgery : Method Spiral Stabilization of the Spine : SMíšek System

AO ASIF Principles in Spine Surgery

Springer This book has become necessary as a consequence of the rapid expansion of the surgical procedures and implants available for spinal surgery within the "AO Group". We have not attempted to write an in-depth book on spinal surgery, but one which will help the surgeon in the use of AO concepts and implants. We consider the practical courses held all over the world essential for the teaching of sound techniques so that technical complications and poor results can be avoided for both the surgeon and, in particular the patient. This book is a practical manual and an outline of what is taught in the courses. It is intended to help the young spinal surgeon to understand the correct use of AO implants. The indications given will aid the correct use of each procedure. It must be strongly emphasized that surgery of the spine is technically demanding. The techniques described in this book should only be undertaken by surgeons who are trained and experienced in spinal surgery. Certain techniques, in particular pedicle screw fixation and cages, have not yet been fully approved by the FDA in the United States. However, throughout the rest of the world, the use of pedicle screws has become a standard technique for the spine surgeon, since it has been shown to improve fixation techniques and allow segmental correction of the spine. The use of cages has become more and more popular, specifically as a tool of minimally invasive spinal surgery.

Rehabilitation Protocols for Surgical and Nonsurgical Procedures: Lumbar Spine

North Atlantic Books This manual, written for healthcare professionals, explores the pros and cons of a wide range of currently practiced rehabilitation methods, and includes tests, illustrated exercises, and worksheets for evaluating patients.

Anesthesia for Spine Surgery

Cambridge University Press A comprehensive guide to anesthesia specifically for spine surgery, explaining procedures from the point of view of both anesthesiologists and surgeons.

AO spine Manual

Thieme Medical Pub Based on the successful format of AO courses, this two-volume reference is a comprehensive manual for the latest AO spine techniques. For each case, the book guides the reader from case presentation, through rationale for surgical treatment, and to non-operative treatment options. The authors describe potential complications in spine surgery and outcomes. Volume I, Principles and Techniques, begins with a complete review of basic science concepts, helping the reader understand the biomechanics, biology, and the surgical anatomy of the spine. This volume provides a systematic overview of spinal instrumentation, computer-assisted surgery, and anesthesia considerations. Volume II, Clinical Applications, presents a compilation of clinical cases addressing the most common spinal problems, such as spinal trauma, tumors, infections, inflammatory processes, deformities, degenerative spinal diseases, and metabolic bone disease. Throughout both volumes, high-quality photographs and drawings illustrate surgical techniques step-by-step and demonstrate key concepts of management. Clear, easy-to-reference bulleted lists and shaded text boxes facilitate rapid review of important learning points. An accompanying DVD-ROM with video clips from live surgery symposia and practical exercises also enhance the readers learning experience.

Michigan Manual of Plastic Surgery

Lippincott Williams & Wilkins The first and only pocket-sized, practical manual on plastic surgery, The Michigan Manual of Plastic Surgery is written by residents in the University of Michigan's renowned plastic surgery training program. This multidisciplinary review features contributions from senior residents in related fields including general surgery, oral and maxillofacial surgery, otolaryngology, orthopaedics, neurosurgery, and urology. Features: Easy-to-follow outline format covers the full range of clinical problems commonly encountered by plastic surgeons. Core content addresses fundamental principles and techniques, skin and soft tissue lesions, head and neck, facial reconstruction, craniofacial, aesthetic surgery, breast, hand and upper extremities, trunk, lower extremities, genitalia, and burns. Interdisciplinary versatility makes the handbook ideal for medical students and surgical residents seeking clinical consultations and pre-, intra-, and postoperative care. Additionally, the review provides a quick consult for practitioners whose work interacts with plastic and reconstructive surgery, as well as for those preparing for the in-service and written board examinations. NEW to the Second Edition... New full-color illustrations improve visual learning and enhance retention of key concepts. Carefully selected topics correspond to topics on plastic surgery in-service and specialty Board examinations. Helpful icons highlight material covered on the In-Service Board Exam.

Early Onset Scoliosis

Guidelines for Management in Resource-Limited Settings

CRC Press This book follows a context-based approach to management of early-onset scoliosis (EOS) in countries with limited resources in education, finance, and research. Due to the great variety in etiology, onset age, progression rate, and severity associated with EOS, it calls for a unique treatment plan. This book enumerates the optimal provision of surgical and non-surgical services, from education/training of local surgeons, to effective teamwork, to implementing an effective data collection system; helping the surgeon to gain a hands-on experience. It also illustrates the successful execution of deformity correction using real life experiences from countries in Asia, Africa, and Latin America. Key Features Discusses biomedical principles that will help to get universally standard implants that are credible and affordable for countries with limited resources. Specific surgical Guidelines and the ability to develop evidence-based practice for this service would be an interesting read for surgeons working in global organizations as well as to local surgeons. First book to focus on countries with limited resources for the management of early onset scoliosis.