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KENT COCHRAN

Spinal Tumor Surgery Simon and Schuster

A history of a remarkable political party that saw government as a practical tool for creating conditions in which individuals can thrive--and why its practices are needed today.

Spine in Sports Mosby

Woodward exposes one of the final pieces of the Richard Nixon puzzle, examining the untold story of Alexander Butterfield, the Nixon aide who disclosed the secret White House taping system that changed history and led to Nixon's resignation. In forty-six hours of interviews with Butterfield, supported by thousands of documents, many of them original and not in the presidential archives and libraries, Woodward has uncovered new dimensions of Nixon's secrets, obsessions, and deceptions.

Neurosurgery Oral Board Review Thieme Medical Publishers

The first comprehensive book dedicated solely to the evaluation and treatment of cervical spine deformity! The number of cervical fusion procedures has increased in the U.S. and globally during the last decade, in part due to an aging population and higher incidence of complex cervical problems. Despite advances in the surgical treatment of cervical deformities, few resources detail modern clinical assessment, radiographic evaluation, and surgical approaches. *Cervical Spine Deformity Surgery* by world-renowned spine surgeons Christopher Ames, K. Daniel Riew, Justin Smith, and Kuniyoshi Abumi fills a void in the literature. It provides a concise, state-of-the-art resource on current cervical deformity knowledge compiled from the literature and recognized masters in the field. The generously illustrated text begins with a background on the marked health impact of cervical deformity. Opening chapters provide primers on the clinical and radiographic assessment of patients, malalignment and disability scores, and the physical exam. Subsequent chapters detail surgical planning and approaches for a full spectrum of cervical spine conditions, such as semi-rigid and rigid deformities, sagittal deformities, distal junctional kyphosis, congenital cervical deformity, and hemivertebra. Key Features Insightful technical nuances and pearls on managing surgical, neurological, and medical complications associated with cervical procedures, as well as risk stratification and patient frailty Diverse osteotomies including low grade, uncovertebral joint (anterior view), cervical pedicle subtraction, cervical opening wedge, upper thoracic, C1-2 joint, and cervical pedicle screw fixation Focused discussion on continuing efforts to create a clinically meaningful comprehensive cervical osteotomy classification system Neurosurgical and orthopaedic residents and practicing spine surgeons who treat patients with cervical deformities will greatly benefit from consulting this comprehensive and unique resource. This book includes complimentary access to a digital copy on <https://medone.thieme.com>.

The Degenerative Cervical Spine JP Medical Ltd

ritten by leading orthopaedic, neurosurgical, and neurologic authorities from Europe and the United States, this volume describes the most successful approaches to the diagnosis and management of degenerative cervical spine disorders. Coverage includes all the essential information on anatomy, biomechanics, clinical presentation, diagnosis, surgical and nonsurgical treatments, management of complications, and economic and ethical considerations. Chapters discuss the use of current imaging modalities--including CT and MRI--in the diagnostic workup. Nonsurgical therapies described include steroidal agents, cervical facet blocks, trigger point injections, spinal cord stimulation, and radiofrequency interventions. A major section details current surgical approaches, both with and without instrumentation

Balloon Kyphoplasty Elsevier Health Sciences

Written by leading authorities in the field of spine care, this book is a comprehensive reference for the latest techniques for managing intervertebral disc disorders affecting the lumbar spine. Divided into four main sections, the book opens with a review of fundamental basic science concepts, including epidemiology, anatomy, pathophysiology, biology, biomechanics, and mechanisms of pain. The second section focuses on the management of disc herniation, with chapters guiding clinicians from the pathophysiology of the herniated disc to clinical presentation to various treatment strategies. The final sections of the book present in-depth coverage of degenerative disc disease and provide essential information for imaging and testing, diagnosis, patient screening, treatment, and rehabilitation. Highlights: Detailed coverage of the latest innovations in the field, including nonsurgical treatments, minimally invasive procedures, biologic techniques, and motion-preserving procedures, enables clinicians to select the appropriate treatment for each clinical situation More than 200 high-quality illustrations and images demonstrate key concepts Valuable discussion of safety considerations and how to avoid and manage potential complications Ideal for practitioners and trainees with a focus on spinal disorders, this book will be an invaluable resource for orthopaedists, neurosurgeons, pain specialists, physiatrists, neuroradiologists, and researchers in these specialties.

Neuroanatomy and Neurophysiology CRC Press

This book contains 10 chapters and 11 quizzes and has a total of 600 multiple choice questions. These questions are designed for easy understanding and memorization. This is an excellent resource for someone who is getting trained or is ready to take a certification exam in IONM. This book can be used by technologists, neurophysiologists, neurologists, anesthesiologists, neurosurgeons, orthopedic surgeons or ENT surgeons as a quick guide to

understanding the basics of surgical neurophysiology. "Dr. Jahangiri provides a clear and concise guide for the technologist preparing for the CNIM. In addition, the book covers the basics of IONM and should be a staple reference for the practicing technologist. The book has an easy style and broad coverage of the field of IONM with questions to challenge the reader...this book should be on the shelf of every IONM laboratory." Jeffery Balzer, PhD, FASN, DABNM Associate Professor of Neurological Surgery University of Pittsburgh Medical Center "Uniquely organized didactic and practical language separates this book. A CNIM myself, I certainly wish I could have benefited from this invaluable source when preparing for the exam! Eliminating the need for multiple handouts on guidelines, sample tests and answer sheets, everything is held in this handy 6"x 9" comprehensive reference and study guide. The author's unique approach to teaching IONM is exemplified in this book." Katrina Huggins, CNIM, FASCN (Vice President) Christopher Townsend, CNIM, FASCN (President) At United Neurodiagnostic Professionals of America

The Last of the President's Men Thieme

The only condensed, full-color reference in the field! Spine in Sports reference includes coverage of general spine fitness/preparation in sports, age related spine changes in the athlete, as well as, sports specific spine disorders/maintenance. Emphasis on individual sports and their affect on the spine. Section on disabled athletes, pediatrics and geriatrics. Experts in the field express personal experiences based on their specialties - spine surgeons, non-operative spine physicians, and therapists.

Fractures of the Cervical, Thoracic, and Lumbar Spine Urban & Schwarzenberg

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.

MRI for Orthopaedic Surgeons CreateSpace

Minimally Invasive Spine Surgery combines up-to-date research on surgical techniques with high-definition surgical video and concise algorithmic evidence. Each of its sixteen chapters begins with a brief summary followed by imaging indications, instrumentation, a step-by-step surgical technique (and video guide), as well as the potential complications and adverse outcomes that may develop. Techniques discussed in the text include: Posterior Cervical Foraminotomy; Percutaneous Posterior Pedicle Screw Placement; Lumbar Discectomy; Transforaminal Lumbar Interbody Fusion (TLIF); Lateral Lumbar Interbody Fusion (LLIF). Also included is a discussion on the types of implants and instrumentation available today and the potential advantages they offer, making Minimally Invasive Spine Surgery an essential and relevant book for orthopaedic and neurosurgeons. Key Points Authored by experts from Rush University Medical Centre and Thomas Jefferson University Hospital in the United States Includes DVD to enhance clinical instruction 273 full colour illustrations

The Leader's Compass for Medical Professionals International Assn for the Study of Pain

This practical, step-wise text covers the surgical approaches, resection strategies and reconstruction techniques used for each type of presenting tumor of the spine. Demonstrating the variety of anterior, posterior and intradural approaches and stabilization techniques, and spanning from pathologies of the craniocervical region to sacral and intradural pathologies, each chapter is generously illustrated with figures, radiographs and intraoperative photos. The chapters themselves follow a consistent and user-friendly format: the anatomy and biomechanics of a specific region, patient evaluation, essential oncologic principles, the decision-making process, and technical steps of surgery. A representative case illustration is provided at the conclusion of each chapter, exemplifying pertinent concepts described. Additionally, video segments accompany selected chapters, providing real-time illustration of surgical techniques. Technical and in-depth, yet highly accessible, *Spinal Tumor Surgery: A Case-Based Approach* is an essential resource for orthopedic spine surgeons, neurosurgeons, and surgical oncologists operating on tumors of the spine.

Cervical Spine Surgery Springer Science & Business Media

Designed specifically for orthopedic surgeons involved in the review of musculoskeletal MRIs, this book enables clinicians to develop a systematic approach to the interpretation of MRI studies. It opens by providing clinicians with a solid understanding of essential concepts, including the physics of MRI, various pulse sequences available for obtaining an MRI, and normal MRI anatomy. The authors then present an overview of core concepts of image interpretation and step-by-step guidance on how to determine which pulse sequences have been utilized, how to evaluate images, and how to correlate imaging findings with patient history and clinical presentation. The remaining sections of the book present protocols for acquiring and interpreting MRIs of the upper extremity, lower extremity, and spine. Additional chapters cover special considerations for imaging articular cartilage and soft-tissue and bone tumors, as well as advanced techniques such as MR arthrography and MR angiography, correlation with other imaging modalities, and safety issues.Features: More than 700 MRIs and instructive illustrations to highlight key concepts related to normal anatomy and pathologic processes Practical discussion of how other imaging modalities correlate with MRI Clinical insights from leading orthopedic surgeons and radiologists An ideal resource for orthopedic surgeons, residents, and fellows, this book provides essential instruction on how to approach MRI studies in everyday practice. With its practical coverage of clinical concepts, this book will also serve as a valuable reference for radiologists, rheumatologists, primary care physicians, and other specialists who care for patients with musculoskeletal conditions.

Cervical Spine Deformity Surgery JP Medical Ltd

Comprehensive coverage of the latest techniques in functional neurosurgery Part of the second edition of the classic Neurosurgical Operative Atlas series, *Functional Neurosurgery* provides step-by-step guidance on the innovative and established techniques for managing epilepsy, pain, and

movement disorders. This atlas covers the current surgical procedures, providing concise descriptions of indications and surgical approaches, as well as recommendations for how to avoid and manage postoperative complications. The authors describe the underlying physiological principles and state-of-the-art recording techniques that are used for brain localization. This edition addresses topics that are rarely covered in other texts, including motor cortex stimulation for neuropathic pain, novel technical approaches for insertion of deep brain stimulator electrodes, and radiosurgery for movement disorders. Highlights: New chapters on the evolving indications for deep brain stimulation, frameless neuronavigation techniques, and interventional MRI-guided treatments More than 650 high-quality images demonstrating anatomy and surgical steps Consistent format in all chapters to enhance ease of use Ideal for neurosurgeons and residents, this operative atlas is a practical surgical guide that will serve as both a reference and a refresher prior to performing a specific procedure. Series description The American Association of Neurological Surgeons and Thieme have collaborated to produce the second edition of the acclaimed Neurosurgical Operative Atlas series. Edited by leading experts in the field, the series covers the entire spectrum of neurosurgery in five volumes. In addition to Functional Neurosurgery, the series also features: Neuro-Oncology, edited by Behnam Badie Spine and Peripheral Nerves, edited by Christopher Wolfla and Daniel K. Resnick Pediatric Neurosurgery, edited by James Tait Goodrich Vascular Neurosurgery, edited by R. Loch Macdonald

Contextual Cognitive-behavioral Therapy for Chronic Pain Rand Corporation

Intraoperative imaging technologies have taken an ever-increasing role in the daily practice of neurosurgeons and the increasing attention and interest necessitated international interaction and collaboration. The Intraoperative Imaging Society was formed in 2007. This book brings together highlights from the second meeting of the Intraoperative Imaging Society, which took place in Istanbul-Turkey from June 14 to 17, 2009. Included within the contents of the book is an overview of the emergence and development of the intraoperative imaging technology as well as a glimpse on where the technology is heading. This is followed by in detail coverage of intraoperative MRI technology and sections on intraoperative CT and ultrasonography. There are also sections on multimodality integration, intraoperative robotics and other intraoperative technologies. We believe that this book will provide an up-to date and comprehensive general overview of the current intraoperative imaging technology as well as detailed discussions on individual techniques and clinical results.

Surgical Neurophysiology Thieme

New motion-preserving devices are revolutionizing spine surgery...but the learning curve for these operations is steep, and great attention must be given to patient and device selection and the perfect execution of each procedure. Only one reference spells out exactly how to perform these new techniques...and its peerless author team, comprised of key investigators involved in the devices' actual clinical trials, is uniquely qualified to help you get the best results! These global leaders in this area discuss the advantages and disadvantages of the full range of non-fusion technologies...and present the step-by-step, richly illustrated operative guidance you need to achieve optimal outcomes! Select the best device and approach for each patient! * cervical total disc arthroplasty * lumbar total disc arthroplasty * lumbar partial disc replacement: nucleus replacement * lumbar posterior dynamic stabilization: pedicle screw based * lumbar posterior dynamic stabilization: interspinous based * lumbar facet replacement Produce optimal outcomes with detailed advice on... * advantages and disadvantages of each option * indications and contraindications * patient selection * interpretation of imaging studies * surgical anatomy and biomechanics * surgical techniques * tips and pearls See how to perform each technique, thanks to step-by-step, full-color illustrations

Controversies in Spine Surgery Lippincott Williams & Wilkins

This reference focuses on individualized spinal injury assessments, immobilization techniques, nonoperative and operative indications, operative fixation strategies, and prognoses. Containing over 1900 references, Fractures of the Cervical, Thoracic, and Lumbar Spine is an invaluable resource for orthopedic, spinal, and trauma surgeons; neurosurgeon

Coding Companion for Neurosurgery/ Neurology Springer Nature

From imaging modalities, to anesthesia considerations, to intraoperative monitoring techniques, this introductory text presents a thorough overview

of all key concepts for the accurate diagnosis and successful treatment of spinal deformity. The authors cover the principles of sagittal and coronal balance and address the role of flexible versus fixed deformity in treatment planning. Straightforward explanations of the etiology, pathogenesis, radiologic and clinical findings, differential diagnosis, and both surgical and nonoperative treatment options for each disorder provide the reader with the information necessary for handling each clinical situation with confidence. Highlights: More than 400 drawings, radiographs, and photographs demonstrate pathology of spinal deformities and the techniques to address them Coverage of possible anatomical variations of the deformed spine prepares the clinician for managing complex cases Discussion of general medical issues including pain management through medication, the potential for postoperative pulmonary complications, and how to manage metabolic bone disorders A review of the latest technological advances using image guidance and robotics in deformity surgery Descriptions of bracing and casting techniques, with a brief literature review on outcomes Written by a multidisciplinary team of experts, this book is invaluable for all beginning and experienced neurosurgeons, orthopedic surgeons, residents and fellows in those specialties, and allied health professionals requiring a comprehensive reference and review. Cover Art Illustrator: Chadi Tannoury, M.D.

Lumbar Intervertebral Disc Elsevier Health Sciences

Designed to provide all the information needed by residents during spine surgery rotations, this long-awaited second edition is your go-to source of essential information on every key aspect of spine surgery. Written by established and upcoming leaders and pioneers in the field, this single-volume resource can easily be read cover to cover during a rotation or used for quick reference before a patient workup or operation. Thoroughly revised and updated, it not only provides the high-yield information you must know, but also gives you a practical understanding of treatment options for a wide variety of spinal problems.

Minimally Invasive Spine Fusion: Techniques and Operative Nuances Thieme

This is the first book to cover minimal-invasive treatment of osteoporotic, tumorous and traumatic vertebral fractures in the English language. In addition to detailed descriptions of the techniques, including tips and tricks from experts, the book contains a chapter about the medical treatment of osteoporosis, which is indispensable in the interdisciplinary approach to osteoporosis. This acclaimed innovative concept unites several treatment aspects. More conservative treatment methods are also presented in this work. All chapters reflect new developments and clinical findings in the field of orthopaedics, surgery, traumatology and neurosurgery.

Neurosurgical Operative Atlas Thieme

This comprehensive surgical atlas, designed to complement the definitive textbook, The Cervical Spine 2nd ed, presents the most common operative techniques used for treating disorders of the cervical spine in full illustrative detail. Coverage includes a complete discussion of surgical approaches. Prepared by the Cervical Spine Research Society under the direction of Dr Sherk, this surgical manual offers the expert advice of 27 leading authorities in the field. The narrative text that accompanies the visual presentation of each procedure highlights pertinent anatomy, physiology, biomechanics and complications.

The Cervical Spine Springer Science & Business Media

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.