

Arthroscopic And Endoscopic Spinal Surgery Text And Atlas

This book aims to familiarize readers with the overall scope of endoscopic surgeries for the treatment of various types of spinal disease. State of the art techniques for minimally invasive endoscopic procedures to the cervical, thoracic, and lumbar spine are precisely described. The coverage includes cutting-edge endoscopic solutions for spinal canal stenosis or instability and low back pain. All technical aspects are explained in detail, and the text is complemented by many helpful illustrations. A further key feature is the provision of accompanying surgical videos, which will be of value to both novice and experienced surgeons. As a result of recent technological advances, minimally invasive endoscopic procedures are now being used for the treatment of patients with spinal problems in various institutes across the world. It can be anticipated that, in the near future, these procedures will be regarded as mainstream in spine surgery. The authors hope that this book will motivate the reader to participate in this trend, which promises important benefits for patients.

This book provides detailed information in foot and ankle arthroscopy and endoscopy. It explores and introduces these surgical techniques for the treatment of foot and ankle diseases, which have better surgical outcome, lesser surgical morbidity over conventional open surgery. In each chapter, it includes extensive cases and techniques' illustration about arthroscopy, tendoscopy and endoscopy. Case demonstration with well-illustrated arthroscopic and endoscopic photos for common clinical conditions was provided. It is also written in the same structure and style for each techniques. Step-by-step procedures are compiled with pictures and illustrations for easy reference, particularly for surgeons in their clinical practice.

Minimally invasive spinal surgery has made tremendous strides in the past decade, with advances in instrumentation and techniques rapidly changing the scope of these procedures. Highlighted by nearly 650 high-quality images, this is the first text to comprehensively review the critical aspects and developments in the field. It features in-depth guidelines and approaches for performing cervical, thoracic, and lumbar spine surgery: percutaneous procedures; and image-guided and robotic surgery. You will also find key discussions of minimally invasive interbody fusion, thoracic discectomy, trauma stabilization, lumbar decompression, tumor resection, and more.With contributions from leading surgeons throughout the country, this text provides a solid foundation in minimally invasive spinal techniques. For all neurosurgeons, orthopedic surgeons, and spinal surgeons, it is both a useful tool and an educational resource for integrating these operative methods into practice.

Thoroughly revised to present the very latest in PACS-based multimedia in medical imaging informatics—from the electronic patient record to the full range of topics in digital medical imaging—this new edition by the founder of PACS and multimedia image informatics features even more clinically applicable material than ever before. It uses the framework of PACS-based image informatics, not physics or engineering principles, to explain PACS-based multimedia informatics and its application in clinical settings and labs. New topics include Data Grid and Cloud Computing, IHE XDS-I Workflow Profile (Integrating the Healthcare Enterprise Cross-enterprise Document Sharing for Imaging), extending XDS to share images, and diagnostic reports and related information across a group of enterprise health care sites. PACS-Based Multimedia Imaging Informatics is presented in 4 sections. Part 1 covers the beginning and history of Medical Imaging, PACS, and Imaging Informatics. The other three sections cover Medical Imaging, Industrial Guidelines, Standards, and Compliance: Informatics, Data Grid, Workstation, Radiation Therapy, Simulators, Molecular Imaging, Archive Server, and Cloud Computing; and multimedia Imaging Informatics, Computer-Aided Diagnosis (CAD), Image-Guide Decision Support, Proton Therapy, Minimally Invasive Multimedia Image-Assisted Surgery, BIG DATA. New chapter on Molecular Imaging Informatics Expanded coverage of PACS and eHR's (Electronic Health Record), with HIPPA compliance New coverage of PACS-based CAD (Computer-Aided Diagnosis) Reorganized and expanded clinical chapters discuss one distinct clinical application each Minimally invasive image assisted surgery in translational medicine Authored by the world's first and still leading authority on PACS and medical imaging PACS-Based Multimedia Imaging Informatics: Basic Principles and Applications, 3rd Edition is the single most comprehensive and authoritative resource that thoroughly covers the critical issues of PACS-based hardware and software design and implementation in a systematic and easily comprehensible manner. It is a must-have book for all those involved in designing, implementing, and using PACS-based Multimedia Imaging Informatics.

Endoscopic Spine Surgery and Instrumentation

A Step-by-Step Atlas

PACS-Based Multimedia Imaging Informatics

Surgical Management of Cervical Disc Herniation

Arthroscopy and Endoscopy of the Hand, Wrist and Elbow

Novel Techniques and Recent Advancements

This book explores the numerous recent advances in arthroscopic and endoscopic surgery of the smaller joints of the upper extremity – elbow, wrist, and hand. Providing readers with all necessary information, i.e. relevant surgical anatomy and a clear description of technical steps, it uniquely and comprehensively presents arthroscopic and endoscopic techniques of small joints in one publication. The procedures are subdivided according to the pathology (instability, fractures, etc.) or grouped by the region within the anatomical area and include the relevant anatomy, extensive cadaveric dissections, devices and instrumentation, surgical procedures, pearls and pitfalls. High-quality colour illustrations further simplify and complement the description of surgical techniques. Written by pioneers of these techniques, the book is designed to be an up-to-date reference resource for both new and advanced orthopaedic surgeons wanting to become familiar with these techniques.

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.

Edited by Sudhir Diwan, a former Director of Pain Medicine fellowship program at Ivy League Weill Cornell Medical College, and Timothy R. Deer, an internationally renowned expert in neuromodulation and minimally invasive spinal procedures, this atlas covers advanced procedures that normal residency and fellowship programs may not cover. It consolidates information pain fellows usually amass by traveling throughout the country to various specialized weekend courses. Advanced Procedures for Interventional Pain Management: A Step-by-Step Atlas is for physicians that know the fundamentals of pain medicine and want to push their knowledge further. Through easy-to-digest bullet points, extensive diagrams, hundreds of figures, and expanded legends beneath each illustration, this compendium covers techniques such as fluoroscopic guidance and radiation safety, endoscopic transforaminal discectomy, endoscopic direct-percutaneous discectomy, transforaminal myelogram, percutaneous facet fusion, percutaneous sacroplasty, vertebral augmentations, percutaneous tumor ablation, percutaneous spinal fusion, minimally invasive spinal decompression (MILD), Interspinous Spacer Placement and advanced neuroaugmentation techniques like high frequency stimulation and DRG stimulation. This book also has a dedicated section on Regenerative Medicine with chapters on platelet rich plasma, stem cell therapy, and intradiscal regenerative therapy. Each chapter has a strict chapter format that includes the indications and contraindications for each procedure, a list of equipment and drugs, a step-by-step illustration-focused how-to, a list of possible post-procedural complications, and bullet-pointed clinical pearls and pitfalls. Within each chapter the authors will also cover the variations of each procedure due to different equipment. This book is ideal for pain medicine fellows, spine surgeons, and interventional pain physicians who want access to the best minds and specialized procedures in a single package.

Biportal endoscopic spine surgery has been rapidly developed recently, and Unilateral biportal endoscopic spine (UBE) surgery may be new stream in spine surgery. UBE surgery is a new concept of surgery that is different from the existing one portal endoscopic surgery, and has the advantage of being familiar with spinal surgeons as the surgical anatomy is similar to a general surgical method, and the learning curve period is short. The 4mm diameter endoscope provides a very clear image, and it can be safely operated under magnified and clear endoscopic view. It is also available to use general surgical instruments in addition to endoscopic surgical instruments during UBE approaches. Currently it is being performed not only in the lumbar spine, but also in the cervical and thoracic spine. In addition, simple laminectomy, disc removal, and spinal fusion are possible. With the advancement of UBE surgery, spinal surgeons from various countries have been performing UBE in recent years, and it is gradually spreading to the world. This will be the first book summarizing from basic to advanced techniques with abundant illustrations and video aid for easy understanding.

Rothman-Simeone *The Spine E–Book*

Principle and Practice

Endoscopy

Percutaneous Lumbar Discectomy

Text and Atlas

Since the introduction of laser technology into medicine, quite a number of clinical applications in orthopaedics have been developed. This text is the first to provide comprehensive guidelines and how-to-do instructions for the application of lasers in orthopaedics. These cover patient selection and decision-making as well as the benefits and risks of the clinical application of lasers in arthroscopic surgery, spine surgery and open surgery. An overview is given on the basics of laser technology and the various laser types are evaluated in terms of optimal use.

The latest edition of the critically acclaimed Small Animal Endoscopy presents informative, practical, and up-to-date guidance on endoscopic indications, instrumentation, patient preparation, and techniques. Todd R. Tams and Clarence A. Rawlings, the foremost experts in veterinary endoscopy, provide the novice as well as the advanced practitioner with the information needed to deliver the safest, high-quality endoscopic services for small animals, including avian and exotics. Chapters are organized consistently and lavishly illustrated to help you easily find and understand key concepts and procedures. This edition includes a companion website with expert demonstrations of techniques. Enables you to deliver the safest, high quality care and a wider range of services to the pets of increasingly concerned and savvy owners. Features cutting-edge information on minimally invasive procedures to improve diagnostic accuracy, reduce operating time, improve success, minimize post-operative stress and pain, and promote faster healing. Helps you recognize the many indications for endoscopy in everyday practice. Covers a vast range of topics in a clear, concise and readable style. Describes instrumentation, examination, and sample procurement techniques in detail. Shows both normal and abnormal findings you may encounter during a procedure in an atlas of images in relevant chapters. Provides minimally invasive examination and surgical options for veterinarians treating uniquely sensitive avian and exotic patients. Provides step-by-step instructions on specific techniques. Helps beginners master endoscopic diagnosis and treatment and more experienced endoscopists utilize their endoscopic equipment to its fullest capacity.

The term "minimally invasive spinal surgery" was coined in early 1990 following pub- cation of the first edition of this text entitled Arthroscopic Microdiscectomy: Minimal Intervention in Spinal Surgery, and subsequent establishment of the International Society for Minimal Intervention in Spinal Surgery (ISMISS) under the auspices of the International Society of Orthopaedic Surgery and Traumatology (SICOT) in April 1990. The orthopedic and neurological surgeons who participated in lectures and hands-on wo- shops both in Philadelphia and abroad have witnessed the evolution of minimally invasive spinal surgery from blind nucleotomy to endoscopic fragmentectomy, decompression of l- eral recess stenosis, foraminoplasty, and spinal stabilization. In Arthroscopic and Endoscopic Spinal Surgery: Text and Atlas, Second Edition, experts describe and illustrate various techniques and approaches that are currently used in this field. In addition, the ongoing research for the betterment of spine care via minimally invasive approaches is briefly reviewed. I would like to express my sincere appreciation to so many of my colleagues who s- ported my efforts in the field of minimally invasive spinal surgery throughout the years. Many of them participated in our teaching symposiums and have provided valuable cont- butions to this text.

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.

Endoscopy of the Hip and Knee

Operative Techniques in Orthopaedic Surgery

Minimal Intervention in Spinal Surgery

A Surgical Manual

Hip Preservation Surgery

Advanced Procedures for Pain Management

Written in a succinct format, this book presents a variety of pain conditions seen in acute or sub-acute rehabilitation hospitals and in outpatient clinical settings. Bio-medical and bio-psychosocial perspectives, as well as theory, clinical practice, and practical aspects of managing pain are offered throughout this volume.

Chapters are organized by sections, beginning with an introduction to pain as well use of the multi-disciplinary treatment approach. Additional sections cover headache management, pain diagnostics, medication management, rehabilitation, injections and procedures, behavioral management, complementary and alternative medicine, neuromoduation, neuroablation, surgical management of pain, and novel techniques. Business and legal perspectives of pain medicine are also addressed. Comprehensive Pain Management in the Rehabilitation Patient is a handy resource for any medical, interventional, surgical, rehabilitative, behavioral, or allied health provider who treats pain across the rehabilitation continuum.

In this volume, world authorities on spinal surgery from the fields of Neurosurgery, Orthopaedic Surgery, and Neuroscience present current data on the basic science and clinical management of the unstable spine. Unique to this book: a frank presentation of controversies in the field.

This heavily revised second edition covers minimally invasive and open surgical techniques for treating a variety of common and rare of cervical pathologies. Extensively revised chapters detail how to successfully perform a variety of the latest procedures for conditions including cervical spine fractures, cervical tumours and cranio cervical anomalies. Guidance on the appropriate techniques for decompression and fusion with cages and autologous bone graft are also described. Cervical Spine: Minimally Invasive and Open Surgery satisfies the need for a multi-disciplinary text covering open and minimally invasive techniques available for treating ailments of the cervical spine. Practicing and trainee orthopedic surgeons, neurosurgeons, radiologists, anesthesiologists and pain management specialists will all find the content of this work to be of a great help to them when seeking guidance on the latest advances in the field.

Minimally invasive techniques are now the preferred method for spine surgery because the incision is much smaller, causing less damage to surrounding muscles, pain is usually greatly reduced, and recovery time is faster. This book is a practical guide to minimally invasive diagnostic and surgical techniques for spine operations. Beginning with an overview of spinal anatomy and the basics of minimally invasive surgery, the following chapters examine the management of numerous different spinal conditions. A complete chapter is dedicated to patients with spinal cord injury and rehabilitation. More than 200 clinical photographs, diagrams and tables enhance the comprehensive text, making it an invaluable resource for both trainees and practising spine surgeons. Key points Comprehensive guide to minimally invasive spine surgery Covers diagnosis and treatment of numerous spinal disorders Complete chapter dedicated to spinal injury and rehabilitation

Includes more than 200 photographs and illustrations

Laparoscopic Ventral Hernia Repair

Arthroscopy and Endoscopy of the Elbow, Wrist and Hand

Spinal Instability

Minimally Invasive and Open Surgery

Ankle Arthroscopy

Diagnostic and Surgical Arthroscopy in the Horse - E-Book

In vivid, step-by-step illustrative detail, Foot and Ankle Arthroscopy, Second Edition thoroughly describes arthroscopic techniques used in the surgical treatment of foot and ankle disorders. Now fully up-to-date, this edition details the advances that have affected the use of arthroscopy in foot and ankle surgery in recent years. The text covers both the basics of equipment, instrumentation and surgical anatomy, as well as the practical steps surgeons must take to optimize results for each procedure.

Ankle injuries are often sport related and pose a diagnostic and therapeutic challenge. Over the past 25 years, Niek van Dijk, founder of the Amsterdam Foot and Ankle School and author of this book, has developed a new philosophy of ankle arthroscopy. It entails a comprehensive approach which includes various diagnostic strategies and the application of a number of minimally invasive endoscopic techniques. Use of these techniques has spread throughout the world; they are now recognized as the state of the art and have been used to treat many leading professional athletes. This diagnostic and operating manual presents the Amsterdam Foot and Ankle School approach for a wide variety of ankle and hindfoot problems. Clear step-by-step instructions are provided with the help of numerous high-quality illustrations, most of which are in color. Access to a web-based educational site is also available to readers.

This book provides detailed advancement endoscopy procedures of hip and knee. It covers basic knowledge of procures and dedicated introduction of surgical techniques for disease management. Endoscopic procedures with their advantage in surgical exposure and post-operative rehabilitation have been extensively performed in orthopedic diseases. Cases presentation with well-illustrated arthroscopic and endoscopic photos for common clinical conditions was provided. The format is a step-by-step procedure for easy reference, particularly for surgeons in their training.

Endoscopic technology has advanced to the point where practitioners can now access, visualize, and treat spine pathologies previously only accessible through open surgical approaches. Endoscopic Spine Surgery 2nd Edition provides a comprehensive background on endoscopic spine surgery and covers an unparalleled number of minimally invasive spine procedures that have revolutionized the spine treatment paradigm. Readers will greatly benefit from many years of expertise and wisdom shared by master spine surgeons Daniel Kim, Gun Choi, Sang-Ho Lee, and Richard Fessler, and their expert contributors. Due to the narrow endoscopic view, subtle microanatomical differences in the lumbar, thoracic, and cervical regions are not always easy to visually discern. To address this challenge, the book contains detailed procedural descriptions and images mirroring endoscopic views spine surgeons encounter in the OR. Organized anatomically, 53 chapters guide readers systematically through lumbar, thoracic, cervical, and craniocervical junction procedures for pathologies ranging from low back pain and deformities to tumors, lesions, infections, and trauma. Key Features More than 1000 high quality images including color procedural photographs and medical illustrations provide in-depth visual understanding. Spinal pathologies and procedures delineated in 75 videos accessible via the Media Center - from case studies to step-by-step technique tutorials. Covers the full spectrum of spine endoscopy

including percutaneous approaches, microdiscectomy, laminectomy, discectomy foraminotomy, hemilaminectomy, thoracic decompressions, fusion, fixation, and thoracoscopic procedures. The use of state-of-the-art technology such as ultrasonic bone dissectors, endoscopic radiofrequency denervation, the video telescope operating monitor (VTOM), minimally invasive tubular retractors, and 3D stereo-tubular endoscopic systems. Neurosurgical and orthopaedic residents, spine fellows, and seasoned spine surgeons will all greatly benefit from the significant knowledge and insights revealed in this remarkable multimedia resource. This book may also be of interest to neurosurgical and orthopaedic nurses, physical therapists, chiropractors, and medical device professionals.

Endoscopic Spine Surgery

56 Tables

Minimally Invasive Spine Surgery

Arthroscopic and Endoscopic Spinal Surgery

Advanced Arthroscopy

Endoscopic Procedures on the Spine

Minimally Invasive Spine Surgery is a beautifully illustrated atlas describing the 18 most widely accepted minimally invasive procedures in spine surgery. Written by leaders in both neurologic and orthopedic spine surgery, this book offers the most up-to-date material and the broadest perspective on the subject.

Procedures range from simple to complex and cover the cervical, thoracic and lumbar regions of the spine.

Lavishly illustrated, comprehensive in scope, and easy to use, the second edition of Operative Techniques in Orthopaedic Surgery guides you to mastery of every surgical procedure you're likely to perform - while also providing a thorough understanding of how to select the best procedure, how to avoid complications, and what outcomes to expect. More than 800 global experts take you step by step through each procedure, and 13,000 full-color intraoperative photographs and drawings clearly demonstrate how to perform the techniques. Extensive use of bulleted points and a highly templated format allow for quick and easy reference across each of the four volumes.

Primary and incisional ventral hernias are common conditions often encountered in surgical practice. Because of the frequency of this problem it has come to be managed by surgeons in general, regardless of the type of hospital or the conditions dealt with in their daily practice. Laparoscopic surgery has demonstrated to have an important role among the different technique described to repair ventral hernia with less recurrent rate, less morbidity and less overall cost than open conventional repair, with all the advange of the laparoscopic approach. As a result the indications for this surgical technique are currently being debated since the advantages are evident and progressive implementation is ensured. Now is the time to analyze the usefulness, results, technical variants, anatomic, physiologic and scientific basis and implications involved in implementation of laparoscopy as the technique of choice.

From the worldwide leader in equine surgery, Wayne McIlwraith, comes the new fourth edition of Diagnostic and Surgical Arthroscopy in the Horse. Completely revised and expanded, this comprehensive atlas covers all the need-to-know information within equine arthroscopy: instrumentation, general techniques, carpal joints, metacarpal and metatarsophalangeal joints, and tarsocrural joints. All the advances that have taken place in the field over the last decade are covered, particularly in the areas of postoperative management and rehabilitation. This trusted reference also provides an in-depth view of surgical procedures with new high-definition diagnostic and surgical arthroscopic images, as well as radiographs and composite illustrations. There is no better way to learn and master equine surgical procedures! Diagnostic images with side-by-side radiographs and illustrations offer multiple points of view and directional guidance on surgical procedures. Expert authorship features helpful insights and expertise from the worldwide leader and speaker on equine arthroscopy, Wayne McIlwraith. Specially commissioned artwork clearly illustrates local anatomy and key stages of surgical procedures. Coverage of choice, use, and maintenance of equipment provides a basic understanding of arthroscopic technique and reasoning behind various practices. Content dedicated to diagnostic and surgical arthroscopy of the horse provides authoritative, comprehensive information on this specialized subject. NEW! Updated high-definition images provide a crystal clear view of surgical procedures from multiple views. NEW! Companion website features 48 high-resolution digital videos that link back to the textbook for a vivid demonstration of surgical techniques. NEW! Expanded content ensures you are up to date on the latest developments in the field - particularly in the areas of tenoscopy, bursoscopy, and arthroscopic methods for cartilage repair. NEW! Chapter on postoperative management, adjunctive therapies, and rehabilitation procedures keeps you abreast of best practices when it comes to taking care of the horse post-operation.

Surgical Anatomy and Techniques

Open, Arthroscopic, and Endoscopic Techniques

Unilateral Biportal Endoscopic Spine Surgery

Arthroscopy and Endoscopy of the Foot and Ankle

Manual of Spine Surgery

Full Endoscopic Lumbar Discectomy

This book is devoted to the full endoscopic transforaminal approach, which is the beginning and basis of all spinal endoscopic interventions and was prepared digitally in Epub-3 format. It is planned to appeal to neurosurgeons and orthopedic surgeons who are new to or currently practicing endoscopic surgery. We gave wide coverage to endoscopic anatomy of the intervertebral foramen, the basis of a successful transforaminal intervention. All anatomical studies in the literature were reviewed and the anatomical structures that make up the intervertebral foramen were presented to the reader with endoscopic surgery videos. We hope that these videos will, to some extent, fill the lack of visual material in the field of endoscopic surgical anatomy. Preoperative planning is discussed under a separate chapter. Preoperative planning for different cases is clarified in detail and supported by rich radiology galleries. The basic stages of surgical intervention (spinal needle placement, discography, guiding rod and cannula placement) are presented to the reader with anatomical models combined with surgical videos. Lumbar disc herniations are discussed in separate groups as non-migrated, migrated and extraforaminal herniations. To that end, the videos of 22 surgeries performed on 19 patients were included in the book as the case studies. In these case studies, pre-operative and post-operative radiological examinations of patients are presented to the reader in the galleries. Operative videos were specially edited and enriched with operative X-Ray images to provide anatomical orientation of the reader. Another feature of the book is its format. The frequently used hard copy format prevents the authors from using sufficient visual material. Using excessive visual material especially in textbooks where radiological studies are predominant, breaks the connection between images and text and puts the reader in a challenging reading process. Current digital book formats, on the other hand, oblige the reader to constantly access the video over the internet and then return to the text. All visual material in Epub-3 format used in our book is embedded in the book. Thus, the reader can access any material in the text without an internet connection and without being distracted from the text and can watch the visual material on a full screen if desired. The Epub-3 format also makes it easier for the reader to navigate and search within the book. In addition, when the reader downloads the book, they have the opportunity to read it offline on their phone, tablet, or laptop whenever they desire. Detailed info and example videos: www.endotextbook.com www.endodiscectomy.com Key features: 56 Galleries 72 Videos (Anatomy, preoperative planning, needle/cannula placement, surgical technique) 22 operative videos from 19 cases 3-D Drawings Model videos combined with surgery EPUB-3 Format Single format for both android and IOS Contents: CHAPTER 1. HISTORY CHAPTER 2. NOMENCLATURE and DEFINITION CHAPTER 3. ENDOSCOPIC ANATOMY CHAPTER 4. PREOPERATIVE PLANNING CHAPTER 5. SURGICAL APPROACH CHAPTER 6. NON MIGRATED HERNIATIONS CHAPTER 7. FORAMINAL AND EXTRAFORAMINAL HERNIATIONS CHAPTER 8. MIGRATED HERNIATIONS CHAPTER 9. COMPLICATIONS REFERENCES

Focusing on the most current, cutting-edge, innovative, and advanced arthroscopic techniques for wrist and hand, elbow, shoulder, hip, knee, ankle, foot, and spine, this book presents orthopaedic surgeons with the detailed procedures needed to stay competitive in the age of managed care. With contributions from specialist leaders in orthopaedic and arthroscopic surgery, the text is supplemented by full-color arthroscopic views and custom illustrations, detailing complex procedures for rotator cuff tear, TFCC repair, meniscus repair, ACL reconstruction, intraarticular fractures and many others. Special sections on laser applications in arthroscopy and office arthroscopy make this volume a must for every practicing orthopaedic surgeon.

This book offers practical guidance on all procedures that may be performed within the field of hip preservation surgery, arthroscopy, and endoscopy. European experts share their experiences on everything from basic injections to the most challenging hip procedures, offering step-by-step tutorials and highlighting important tips and tricks. Whereas most books on hip arthroscopy and hip preservation surgery concentrate on pathologies, surgical indications, and the basics of the treatment, here the focus is very much on the individual techniques and recognized variants. These techniques are clearly and precisely described with the aid of a wealth of photo and video illustrations. The coverage encompasses procedures applicable in the widest range of scenarios, including synovial pathologies, labral, chondral, and bony injuries, hip impingement, dysplasia and instability, snapping hips, gluteus medius and minimus tendonitis and tears, other tendinopathies, post-arthroplasty complications, and rehabilitation. The book is published in cooperation with ESSKA and will be an essential aid for orthopaedic surgeons at all levels of experience.

This book is a superbly illustrated guide to the latest endoscopic approaches employed in surgery to the lumbar spine. In the past, spinal endoscopic surgeries have been performed mainly in the treatment of lumbar disc herniation, but indications have now expanded owing to breakthroughs in surgical methods and instruments. Furthermore, in addition to the traditional percutaneous transforaminal approach, various other approaches are now feasible, including the posterior, paraspinal, transpedicular, and contralateral. This book describes and illustrates the full array of approaches in indications including lumbar central stenosis, lumbar foraminal stenosis, and lumbar disc herniation. Detailed guidance is also provided on endoscopic lumbar interbody fusion, covering the oblique, uniportal, and biportal approaches. Supplementary surgical videos further facilitate understanding and execution of the described procedures. Written by expert spinal endoscopy surgeons with extensive practical experience and a record of academic achievement, the book will be an ideal aid for spine surgeons at all levels of experience.

Modern Techniques in Spine Surgery

Comprehensive Pain Management in the Rehabilitation Patient

Basic and Advanced Technique

Foot & Ankle Arthroscopy

Advanced Techniques of Endoscopic Lumbar Spine Surgery

Lasers in the Musculoskeletal System

Arthroscopic and Endoscopic Spinal SurgeryText and AtlasSpringer Science & Business Media

Endoscopic techniques are widely used for screening, diagnostic and therapeutic maneuvers in all groups of patients and for a large spectrum of complaints. The availability of basic iterations of endoscopic techniques made screening programs for various diseases viable in most parts of the world, while the advent of modern techniques opens new perspectives for rapid and correct diagnosis. Going beyond normal human vision, innovative techniques opened the prospect of in-situ pathology. Endoscopic ultrasound has made incredible progress in recent years. Reaching the smaller orifices by endoscopy was a major step forward in the surveillance of previously inaccessible lesions. Investigatory techniques were complemented by advances in therapy, with novel applications in many major areas of medicine.

Endoscopic Spinal Surgery provides a comprehensive, practical and timely review of the minimally invasive endoscopic surgical techniques used to treat conditions of the cervical, thoracic, and lumbar spine. Recent advances in technology, together with improved clinical outcomes, have established percutaneous endoscopic spinal procedures as alternatives to traditional open spinal surgery. This text describes the most effective endoscopic techniques currently available and discusses indications, surgical approaches, complications, and clinical outcomes. An authoritative, international team of contributors provides surgical insight and expert guidance. Provides a definitive 'go to' reference for spinal surgeons, orthopaedic surgeons and neurosurgeons Gives expert guidance on the full range of minimally invasive endoscopic techniques used in the management of spinal disorders, in chapters organized by spinal section Includes general chapters on instrumentation, relevant neuroanatomy, and anesthetic considerations Dedicates a chapter to classification and coding issues

Over the past decade, minimally invasive techniques have developed rapidly and are widely applied in the management of spine disorders. With the development of enabling technologies, including specifically designed spinal retractor systems, intraoperative imaging and navigation technologies, and real-time neural monitoring, minimally invasive spine surgery (MISS) techniques are safe, effective and reproducible. Indeed, studies have confirmed the clinical and economic advantages of these procedures. Minimally Invasive Spine Surgery includes detailed discussions of enabling technologies, surgical techniques (including posterior decompression and fusion), approaches to specific diseases and conditions, as well as strategies to manage the unique risks and complications of MISS. Generously illustrated, this will be an essential reference for orthopedic surgeons, neurosurgeons and all health care professionals who treat the spine.

Techniques Developed by the Amsterdam Foot and Ankle School

Basic Principles and Applications

Operative Hip Arthroscopy

Surgical Techniques and Disease Management

Small Animal Endoscopy - E-Book

A Practical Guide to Anatomy and Techniques

Percutaneous lumbar discectomy is a new surgical method for treating lumbar disc diseases. The goal of the procedure is decompression of the spinal nerve root by percutaneous removal of the nucleus pulposus under local anesthesia. Probably 20 % of all patients requiring lumbar disc surgery can be successfully treated by this method. During the past two years, percutaneous discectomy has spread rapidly, and it is now performed in most clinical departments engaged in spinal surgery. The first International Symposium on Percutaneous Lumbar Discectomy, held in Berlin in August 1988, covered all current procedures known as "percutaneous discectomy" and the entire range of percutaneous techniques, both clinical and experimental. Its publication is important because of the recency of this new surgical procedure, the outstanding experience of the speakers - including the Japanese, American, and European "pioneers" of the technique - and last but not least the gaps in the knowledge of physicians concerning this topic. This procedure opens up new perspectives in the surgical treatment of degenerative diseases of the lumbar spine.

Get comprehensive, practical coverage of both surgical and non-surgical treatment approaches from the world ' s most trusted authorities in spine surgery and care. Rothman-Simeone and Herkowitz ' s The Spine, 7th Edition, edited by Drs. Steven R. Garfin, Frank J. Eismont, Gordon R. Bell, Jeffrey S. Fischgrund, and Christopher M. Bono, presents state-of-the-art techniques helping you apply today ' s newest developments in your practice. Highlights critical information through the use of pearls, pitfalls, and key points throughout the text, as well as more than 2,300 full-color photographs and illustrations. Offers a newly revised, streamlined format that makes it easier than ever to find the information you need. Contains new chapters on the clinical relevance of finite element modeling and SI joint surgery. Includes an expanded section on minimally invasive spine surgery, including recent developments and future directions. Provides the latest evidence-based research from high-quality studies, including new randomized controlled trials for lumbar stenosis, surgery, fusion, and injections. Presents the knowledge and expertise of new international contributors, as well as new editorial leadership from Dr. Steven Garfin.

Doody Rating : 3 stars : This is a comprehensive monograph on surgical management of the herniated cervical intervertebral disc includes all possible approaches used by surgeons to manage a common problem. Both advantages and disadvantages for anterior or posterior surgical approach are discussed. This book includes chapters such as Clinical Anatomy of Subaxial Cervical Spine, Genetic Susceptibility of Cervical Disc Herniation, Applied Anatomy of Cervical Spine, etc. which will help young doctors to understand cervical spine better. Cover special chapter on review of literature on outcome of s.

Biportal endoscopic spine surgery has been rapidly developed recently, and Unilateral biportal endoscopic spine (UBE) surgery may be new stream in spine surgery. UBE surgery is a new concept of surgery that is different from the existing one portal endoscopic surgery, and has the advantage of being familiar with spinal surgeons as the surgical anatomy is similar to a general surgical method, and the learning curve period is short. The 4mm diameter endoscope provides a very clear image, and it can be safely operated under magnified and clear endoscopic view. It is also available to use general surgical instruments in addition to endoscopic surgical instruments during UBE approaches. Currently it is being performed not only in the lumbar spine, but also in the cervical and thoracic spine. In addition, simple laminectomy, disc removal, and spinal fusion are possible. With the advancement of UBE surgery, spinal surgeons from various countries have been performing UBE in recent years, and it is gradually spreading to the world. This will be the first book summarizing from basic to advanced techniques with abundant illustrations and video aid for easy understanding. .

Endoscopic Spinal Surgery

Recent Advances in Arthroscopic Surgery

Cervical Spine

Arthroscopic Microdiscectomy

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

This book provides detailed advancement on arthroscopy and endoscopy of hand, wrist and elbow. It covers basic knowledge of procedures and dedicated introduction of surgical techniques for disease management. Endoscopic procedures with their advantage in surgical exposure and post-operative rehabilitation have been extensively performed in upper limb diseases. Cases presentation with well-illustrated arthroscopic and endoscopic photos for common clinical conditions was provided. The format is a step-by-step procedure for easy reference, particularly for surgeons in their training.

This book is aimed at providing an overview of arthroscopic joint surgery involving major joints in the body. It discusses all aspects of arthroscopy including complex surgical procedures, feasibility of performing surgery as an OPD procedure, and complications associated with these surgeries. The chapters are organised in regional basis and presented in an easy-to-understand format. This book will benefit all sports medicine physicians, orthopaedic surgeons and trainees, physiotherapists, and all clinicians involved in treating joint diseases. The combination of the authors' shared experiences with facts and presentation of figures and photographs will help the reader in understanding the complex principles involved. This can be used as a text for an individual or a "must have" reference book for any medical library.