

# **Pdf free Atlas of endoscopic spine surgery 1e (Download Only)**

Unilateral Biportal Endoscopic Spine Surgery Endoscopic Spine Surgery Endoscopic Spine Surgery and Instrumentation Endoscopic Spinal Surgery Transforaminal Endoscopy for Lumbar Spine Endoscopic spine surgery: New concepts and advancements Advanced Techniques of Endoscopic Lumbar Spine Surgery Endoscopic Spine Procedures Atlas of Full-Endoscopic Spine Surgery Unilateral Biportal Endoscopy of the Spine Endoscopic Procedures on the Spine Core Techniques of Minimally Invasive Spine Surgery Arthroscopic and Endoscopic Spinal Surgery Minimally Invasive Spine Surgery Endoscopic Spine Surgery and Instrumentation Advanced Technique of Endoscopic Cervical and Thoracic Spine Surgery Endoscopy of the Spine Endoscopic Procedures on the Spine Endoscopic Spine Surgery Endoscopic Spine Surgery and Instrumentation Advanced Technologies Minimally Invasive Spine Surgery Laparoscopic Lumbar Fusion Minimally Invasive Thoracic Spine Surgery Transforaminal Full-Endoscopic Lumbar Surgery Under the Local Anesthesia Endoscopic Spine Surgery Percutaneous Lumbar Discectomy Cervical Spine Manual of Spine Surgery Technical Advances in Minimally Invasive Spine Surgery Modern Techniques in Spine Surgery Lumbar Spine Atlas of Minimal Access Spine Surgery, Second Edition Endoscopic Spine Surgery Improving Patient Outcomes and Education in Minimally Invasive Spine Surgery Minimally Invasive Spine Surgery Atlas of Endoscopic Spine Surgery Atlas of Endoscopic Spine Surgery Advanced Technologies Cervical Spine

# Unilateral Biportal Endoscopic Spine Surgery

2022-05-22

biportal endoscopic spine surgery has been rapidly developed recently and unilateral biportal endoscopic spine 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 Spine Surgery

2018-01-10

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. The book is 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 include more than 1000 high-quality images, including color procedural photographs and medical illustrations, providing in-depth visual understanding of spinal pathologies and procedures. Delineated in 75 videos accessible via the media center, from case studies to step-by-step technique tutorials, the book 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 vitom 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 and Instrumentation***

2011-01-01

minimally invasive surgery has made tremendous strides in recent years with exciting advances in instrumentation and techniques rapidly changing the scope of these procedures here is the first text to comprehensively review the newest developments shaping the field today and in the future you will find in depth guidelines and approaches for performing cervical thoracic and lumbar spine surgery percutaneous procedures and state of the art image guided and robotic surgery enhanced by nearly 650 high quality images this text is an essential resource for all specialists who want to fully understand these operative methods and integrate them into their practice key features technique oriented text that also provides the fundamentals for a complete understanding of the minimally invasive approach organized into seven clear well defined sections for quick reference key discussions of minimally invasive interbody fusion thoracic discectomy trauma stabilization lumbar decompression tumor resection and much more for all neurosurgeons orthopedic surgeons and spinal surgeons this is an invaluable and practical tool as well as an educational resource you will not find a more thorough and current review of minimally invasive spinal techniques written by the leading surgeons in the country upgrade and expand your practice with this key information

## ***Endoscopic Spinal Surgery***

2013-02-27

covers the latest developments in minimally invasive techniques now used in spinal surgery applied anatomy indications and outcomes are all addressed by an international team of experienced contributors

## ***Transforaminal Endoscopy for Lumbar Spine***

2023-05-30

endoscopic spine surgery is the essence of the minimally invasive surgery technique it

As a gradually developing field of spine surgery nevertheless many doctors still have difficulties in acquiring an endoscope by themselves this is especially true for transforaminal approach endoscopy the editors of the book are pioneers in endoscopy and have had many interesting experiences related to transforaminal endoscopy since each patient has a different anatomy and disc shape there are numerous practical techniques suitable for it but few are specifically able to describe it the main purpose of this book is to provide the essence of endoscopy to date based on actual video images and practical techniques of transforaminal endoscopy accumulated over decades

## ***Endoscopic spine surgery: New concepts and advancements***

2023-05-08

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

## **Advanced Techniques of Endoscopic Lumbar Spine Surgery**

2020-12-16

a highly visual guide to minimally invasive endoscopic techniques for the spine endoscopic spine procedures combines the vast experience of internationally recognized spine surgery experts and provides detailed coverage of operative techniques for the cervical thoracic and lumbar spine this book begins with an overview of the principles of percutaneous endoscopic spine surgery followed by a detailed discussion of applied anatomy surgical approaches and techniques and potential complications for the different spine regions each chapter contains concise

step by step descriptions of the procedures enhanced by clearly labeled illustrations features bullet point format enables rapid reference prior to surgery high resolution videos one for every procedure described in the book appear on an accompanying dvd more than 600 high quality illustrations prepare readers for surgery including radiographs full color endoscopic views detailed drawings and 3 d surgical views clinical cases demonstrate how to tell the differences between spine levels and between disease states this concise technical guide is an essential resource for neurosurgeons orthopedic surgeons interventional radiologists or anyone involved in the care of patients with spine disorders

## ***Endoscopic Spine Procedures***

2011-03-06

endoscopic spine surgery essentials from expert spine surgeons atlas of full endoscopic spine surgery by internationally renowned spine surgeons christoph hofstetter sebastian ruetten yue zhou and michael wang provides concise step by step guidance on the latest full endoscopic spine procedures the book is targeted at practicing spine surgeons fellows and residents currently not trained in endoscopic spine surgery who have the desire to learn and incorporate these techniques into clinical practice it is also an excellent curriculum resource for cadaveric training courses taught at the national and international level the book lays a solid foundation with opening chapters on anesthesia or setup and endoscopic tools applied anatomy basic endoscopic surgical tasks and preoperative diagnostics additional sections include step by step descriptions of the full spectrum of cervical thoracic and lumbar endoscopic approaches the last section provides invaluable pearls on overcoming challenges avoiding pitfalls and optimizing postoperative care key features transforaminal endoscopic lumbar and thoracic discectomy approaches trans saph endoscopic approach for foraminal and lateral recess decompression interlaminar endoscopic lumbar discectomy cervical thoracic and lumbar unilateral laminotomy for bilateral decompression special topics including endoscopic management of challenging cases endoscopic revision surgery and management of complications neurosurgery residents fellows young practicing neurosurgeons and all healthcare practitioners involved in the care of endoscopic spine surgery patients will gain invaluable insights from this book

## ***Atlas of Full-Endoscopic Spine Surgery***

2019-12-16

endoscopic spinal surgery has become popular due its procedure related benefits the biportal endoscopic surgery is a recent technique which has gained popularity in asia europe and latin america since it can be applied to treat many diseases of the whole

spine as cervical thoracic lumbar and sacral divided into thirty four chapters this first ever book on unilateral biportal endoscopic spine surgery presents the technique history review and its current applications the currently available technology and basic principles of this surgery anesthesia position and operative room setup endoscopic instruments hydrostatic pressure and intraoperative radiology as well as anatomical considerations of basic approaches it also details the techniques to resolve lumbar cervical and thoracic spine diseases written by the world s most influential groups that perform the method unilateral biportal endoscopy of the spine an atlas of surgical techniques will certainly be widely accepted by all surgeons interested to improve their daily practice in minimally invasive spine surgery

## **Unilateral Biportal Endoscopy of the Spine**

2022-12-01

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

## **Endoscopic Procedures on the Spine**

2019-09-03

this book issues all aspects of minimally invasive spine surgery from interventional techniques such as nerve block to multilevel fusion surgery the field of minimally invasive surgery is organized by chapter from basics to the end each chapter will include various figures and tables and videos will be added in the surgery related parts a special focus will be placed on spinal endoscopic surgery which has undergone rapid development in recent years both full endoscopic spine surgery and uni portal bilateral endoscopic will be dealt various surgical approaches and procedures will be presented for disc herniated disease and stenotic legion from cervical to lumbar the new technology solution such as navigation guided spine surgery and robot surgery and artificial and augmented reality will be introduced

## ***Core Techniques of Minimally Invasive Spine Surgery***

2023-06-19

the term minimally invasive spinal surgery was coined in early 1990 following publication 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 workshops both in philadelphia and abroad have witnessed the evolution of minimally invasive spinal surgery from blind nucleotomy to endoscopic fragmentectomy decompression of lateral 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 supported 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 contributions to this text

## ***Arthroscopic and Endoscopic Spinal Surgery***

2007-10-28

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

## ***Minimally Invasive Spine Surgery***

2009-10-08

in the past the cervical and thoracic vertebrae were areas that were not well performed by spinal endoscopy however with the rapid development of spinal endoscopic surgery techniques and instruments various kinds of spinal endoscopic approaches are currently performing and developing in the cervical and thoracic spine this is the first book covering the latest knowledge of cervical and thoracic spinal endoscopic surgery this book will provide abundant illustrations and also surgical videos so that it can be easily understood by spinal surgeons who are learning and



studying spinal endoscopy in addition the prevention of complications associated with endoscopic surgery will be discussed in detail

## **Endoscopic Spine Surgery and Instrumentation**

2005

this book provides detailed advancement of endoscopic procedures of the spine it covers basic knowledge of endoscopic procedures and dedicated introduction of surgical techniques for treatment of diseases in spine with better surgical outcome and less surgical morbidity endoscopic procedures with their advantage in surgical exposure and post operative rehabilitation have been extensively performed in orthopedic diseases cases presentation with well illustrated 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

## ***Advanced Technique of Endoscopic Cervical and Thoracic Spine Surgery***

2023-07-05

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

## **Endoscopy of the Spine**

2023-02-17

minimally invasive surgery has made tremendous strides in recent years with exciting advances in instrumentation and techniques rapidly changing the scope of these



# Endoscopic Procedures on the Spine

2020

contemporary endoscopic spine surgery brings the reader the most up to date information on the endoscopy of the spine key opinion leaders from around the world have come together to present the clinical evidence behind their competitive endoscopic spinal surgery protocols chapters in the series cover a range of aspects of spine surgery including spinal pain generators preoperative workup with modern independent predictors of favorable clinical outcomes with endoscopy anesthesia in an outpatient setting management of complications and a fresh look at technology advances in a historical context the reader will have a first row seat during the illustrative discussions of expanded surgical indications from herniated disc to more complex clinical problems including stenosis instability and deformity in patients with advanced degenerative disease of the human spine contemporary endoscopic spine surgery is divided into three volumes cervical spine lumbar spine and advanced technologies to capture an accurate snapshot in time of this fast moving field it is intended as a comprehensive go to reference text for surgeons in graduate residency and postgraduate fellowship training programs and for practicing spine surgeons interested in looking for the scientific foundation for expanding their clinical practice towards endoscopic surgery this volume advanced technologies covers the following endoscopic spine surgery topics in 19 detailed chapters endoscopic intradiscal therapy and foraminoplasty evidence based medicine in spine surgery artificial intelligence for spine surgery postoperative management transforaminal lumbar endoscopy and associated complications laser applications in full endoscopy of the spine high frequency surgery for the treatment of herniated discs lumbar mri cost and maintenance management of endoscopic spine systems regenerative medicine interbody fusion endoscopic intravertebral canal decompression after spinal fracture treatment of lumbar tuberculosis treatment of degenerative scoliosis treatment of thoracic meningioma with spinal canal decompression and cervical endoscopic unilateral laminotomy for bilateral decompression ce ulbd

## ***Endoscopic Spine Surgery***

2019-11-06

the use of minimally invasive spine surgery miss has grown rapidly over the last decade and remains the fastest growing area in spine surgery now in a revised and expanded second edition including 19 new chapters this comprehensive textbook provides an updated presentation of the field of miss highlighting surgical techniques and clinical outcomes as well as providing a unique focus on how these techniques are applied for specific spinal conditions minimally invasive spine surgery second edition includes detailed discussions of enabling technologies surgical techniques approaches

to specific diseases and conditions a new section on out patient ambulatory spine surgery and strategies to manage the unique risks and complications associated with miss each chapter whether revised or new is formatted in a consistent manner including bulleted key learning points as well as review questions pearls and pitfalls and generous illustrations and intra operative photographs written and edited by thought leaders in the field this user friendly textbook will be an essential resource for orthopedic and neurosurgery trainees as well as a valuable reference and review for spine surgeons and health care professionals who treat the spine

## **Endoscopic Spine Surgery and Instrumentation**

2004

this book describes and illustrates a variety of minimally invasive approaches to the thoracic spine covering procedures applicable in not only degenerative diseases but also deformities and trauma surgery to the thoracic spine is demanding because of the surrounding ribs lungs heart and large blood vessels and the challenges posed by the vulnerable spinal cord within a relatively small spinal canal consequently postsurgical morbidity is often high in this context minimally invasive surgery offers significant benefits but to date comprehensive coverage in textbooks is lacking owing to the limited experience in the use of minimally invasive surgical techniques this book will be ideal for all who are searching for clear guidance that is faithful to the established principles of spine surgery and evidence based medicine in addition to the comprehensive coverage of procedures appropriate in different pathologies including thoracic disc herniation ossification of the posterior longitudinal ligament ossification of the ligamentum flavum and stenosis individual chapters address the transforaminal endoscopic approach interventional treatment intraoperative neuromonitoring and navigation for thoracic spine surgery

## **Advanced Technologies**

2022-09-14

this book presents the latest devices and techniques in transforaminal full endoscopic lumbar discectomy told this minimally invasive procedure can be used to treat various spinal conditions such as herniated nucleus pulposus discogenic pain foraminal stenosis lateral recess stenosis and infection the book offers an overview of told and discusses discectomy thermal annuloplasty ta and other trending topics it also explores the history and anatomy of transforaminal full endoscopic lumbar surgery complications told techniques and told and ta for athletes as such the book provides a much needed foundation for the further development of this increasingly widespread procedure transforaminal full endoscopic lumbar surgery under the local anesthesia is a valuable resource for orthopedic surgeons clinical residents and medical students

alike

## ***Minimally Invasive Spine Surgery***

2020-01-13

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

## **Laparoscopic Lumbar Fusion**

2000-01-01

contemporary endoscopic spine surgery brings the reader the most up to date information on the endoscopy of the spine key opinion leaders from around the world have come together to present the clinical evidence behind their competitive endoscopic spinal surgery protocols chapters in the series cover a range of aspects of spine surgery including spinal pain generators preoperative workup with modern independent predictors of favorable clinical outcomes with endoscopy anesthesia in an outpatient setting management of complications and a fresh look at technology advances in a historical context the reader will have a first row seat during the illustrative discussions of expanded surgical indications from herniated disc to more complex clinical problems including stenosis instability and deformity in patients with advanced degenerative disease of the human spine contemporary endoscopic spine surgery is divided into three volumes cervical spine lumbar spine and advanced technologies to capture an accurate snapshot in time of this fast moving field it is intended as a comprehensive go to reference text for surgeons in graduate residency and postgraduate fellowship training programs and for practicing spine surgeons interested in looking for the scientific foundation for their practice expansion into endoscopic surgery this volume cervical spine covers the following topics cervical endoscopy historical perspectives present future anesthesia for minimally invasive

surgery of the cervical algorithms to choose between anterior and posterior cervical endoscopy contemporary clinical decision making in full endoscopic cervical spine surgery indications and outcomes with endoscopic posterior cervical rhizotomy anterior endoscopic cervical discectomy anterior transcorporeal approach of percutaneous endoscopic cervical discectomy anterior endoscopic cervical discectomy and foraminoplasty for herniated disc and lateral canal stenosis posterior full endoscopic cervical discectomy foraminotomy endoscopic decompression for cervical spondylotic myelopathy

## **Minimally Invasive Thoracic Spine Surgery**

2020-12-12

this manual has been compiled in response to the rapid expansion of instrumented spinal surgery using minimally invasive and non fusion techniques with a view to meeting the needs of spinal surgeons orthopaedic and neurosurgeons the various open less invasive and minimally invasive techniques are presented step by step in a clear and instructive way with the aid of more than 600 high quality illustrations careful attention is paid to all aspects vital to the success of any spinal operation precise definition of indications and contraindications technical and organizational factors good operating technique and correct preoperative preparation and positioning of the patient this second edition of the manual takes full account of the latest developments in spinal instrumentation and implants and new surgical techniques it is authoritative concise and portable ideal for use in a fast paced clinical setting and will serve as a daily companion for spinal surgeons and others who care for patients with spinal disorders

## **Transforaminal Full-Endoscopic Lumbar Surgery Under the Local Anesthesia**

2020-10-13

this book is a comprehensive guide to the application of recently introduced and emerging technologies in minimally invasive spine surgery miss these technologies including 2d and 3d navigation endoscopy virtual and augmented reality robotics and 3d printing are helping to overcome previous limitations of miss such as the steep learning curve and the need for a great deal of experience in order to achieve optimal outcomes compared with traditional techniques their use is designed to reduce local operative tissue damage alleviate systemic surgical stress and enable earlier return to function the book provides detailed and extensively illustrated accounts of the role of the new technologies and techniques in a wide range of indications in essence all spine conditions whether degenerative traumatic or oncologic will in the near future be amenable to miss using these approaches the book will be a source of insight and

practical assistance for all surgeons who perform miss regardless of their level of experience

## **Endoscopic Spine Surgery**

2017

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

## **Percutaneous Lumbar Discectomy**

2012-12-06

contemporary endoscopic spine surgery brings the reader the most up to date information on the endoscopy of the spine key opinion leaders from around the world have come together to present the clinical evidence behind their competitive endoscopic spinal surgery protocols chapters in the series cover a range of aspects of spine surgery including spinal pain generators preoperative workup with modern independent predictors of favorable clinical outcomes with endoscopy anesthesia in an outpatient setting management of complications and a fresh look at technology advances in a historical context the reader will have a first row seat during the illustrative discussions of expanded surgical indications from herniated disc to more complex clinical problems including stenosis instability and deformity in patients with advanced degenerative disease of the human spine contemporary endoscopic spine surgery is divided into three volumes cervical spine lumbar spine and advanced technologies to capture an accurate snapshot in time of this fast moving field it is intended as a comprehensive go to reference text for surgeons in graduate residency and postgraduate fellowship training programs and for practicing spine surgeons interested in looking for the scientific foundation for their practice expansion into endoscopic surgery this volume lumbar spine covers the following topics in 18 detailed chapters lumbar endoscopy historical perspectives present future endoscopic lumbar discectomy anatomy nomenclature indications and advanced techniques current

approaches for the treatment of endstage vacuum degenerative lumbar disc disease advanced endoscopic techniques of lumbar foraminotomy and treatment of degenerative spondylolisthesis endoscopic treatment of lumbar facet cysts endoscopic techniques for the treatment of a wide range of chronic low back pain endoscopic spine surgery techniques in the elderly endoscopic fusion techniques endoscopic resection of schwannoma technical notes for difficult cases controversies and complications of lumbar endoscopy

## **Cervical Spine**

2021-10-18

in this second edition of the classic atlas of endoscopic spine surgery atlas of minimal access spine surgery provides the authoritative operative reference for both the novice and the experienced spine surgeon this extensively illustrated new edition stands as a comprehensive thesis on the rapidly evolving field of minimally invasive spine surgery greatly expanded over the previous edition this volume prepares surgeons to effectively meet the increased demand for minimal access spine surgery with smaller incisions less pain shortened hospital stays substantial savings in health care dollars and lower morbidity it is clearly the preferred method for both patient and surgeon written by the world's foremost endoscopic surgeons this volume provides expert advice tips and caveats plus step by step operative guidance to a full range of minimal access spine surgery techniques hundreds of photographs and precise illustrations mostly in color guide the surgeon through each major step of every procedure detailing anatomic structure and instrument positioning to complement this book two cds are included with operative video the atlas of minimal access spine surgery explores in detail procedures that have been developed to utilize advancements in fiber optics versatile spinal implants and computer image guided assistance to improve outcomes in the management of spinal disorders it incorporates procedures such as endoscopic scoliosis correction micro endoscopic discectomy and the latest advances in artificial disc replacement the authors examine every significant topic anesthetic considerations indications and contraindications instrumentation and surgical systems complications outcomes and more

## **Manual of Spine Surgery**

2023-10-16

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

## ***Technical Advances in Minimally Invasive Spine Surgery***

2022-06-15

includes indications contraindications operating room setup equipment instrumentation 5 to 7 minute segments on each surgical technique covered in the book

## ***Modern Techniques in Spine Surgery***

2014-11-30

john regan demonstrates the procedures discussed in the book contains footage of operations with narration reviews indications contraindications description of pertinent anatomy recommendations for operating room set up and tips about complications

## ***Lumbar Spine***

2022-04-13

contemporary endoscopic spine surgery brings the reader the most up to date information on the endoscopy of the spine key opinion leaders from around the world have come together to present the clinical evidence behind their competitive endoscopic spinal surgery protocols chapters in the series cover a range of aspects of spine surgery including spinal pain generators preoperative workup with modern independent predictors of favorable clinical outcomes with endoscopy anesthesia in an outpatient setting management of complications and a fresh look at technology advances in a historical context the reader will have a first row seat during the illustrative discussions of expanded surgical indications from herniated disc to more complex clinical problems including stenosis instability and deformity in patients with advanced degenerative disease of the human spine contemporary endoscopic spine surgery is divided into three volumes cervical spine lumbar spine and advanced technologies to capture an accurate snapshot in time of this fast moving field it is intended as a comprehensive go to reference text for surgeons in graduate residency and postgraduate fellowship training programs and for practicing spine surgeons interested in looking for the scientific foundation for expanding their clinical practice towards endoscopic surgery this volume advanced technologies covers the following



endoscopic spine surgery topics in 19 detailed chapters endoscopic intradiscal therapy and foraminoplasty evidence based medicine in spine surgery artificial intelligence for spine surgery postoperative management transforaminal lumbar endoscopy and associated complications laser applications in full endoscopy of the spine high frequency surgery for the treatment of herniated discs lumbar mri cost and maintenance management of endoscopic spine systems regenerative medicine interbody fusion endoscopic intravertebral canal decompression after spinal fracture treatment of lumbar tuberculosis treatment of degenerative scoliosis treatment of thoracic meningioma with spinal canal decompression and cervical endoscopic unilateral laminotomy for bilateral decompression ce ulbd

## **Atlas of Minimal Access Spine Surgery, Second Edition**

2003-10-30

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

## ***Endoscopic Spine Surgery***

2005

## **Improving Patient Outcomes and Education in Minimally Invasive Spine Surgery**

2023-07-04

## ***Minimally Invasive Spine Surgery***

2013-03-09

## **Atlas of Endoscopic Spine Surgery**

1995-01-01

## **Atlas of Endoscopic Spine Surgery**

1995

## **Advanced Technologies**

2022-09-14

## ***Cervical Spine***

2022-05-10

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