

## Aospine Masters Series Volume 2 Primary Spinal Tu

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 Sagittal Balance of the Spine  
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*Aospine Masters Series Volume 2 Primary Spinal Tu*

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### HURLEY VALENCIA

*AOSpine Masters Series, Volume 4: Adult Spinal Deformities* Thieme

An expert reference on the thoracolumbar area of the spine FOUR STARS from Doody's Star Ratings™ This sixth volume in the AOSpine Masters Series provides expert guidance on making an accurate diagnosis and classification of injuries to the thoracolumbar area of the spine. Chapters include: Radiographic Assessment of Thoracolumbar Fractures, Posterior and Anterior MIS in TL Fractures, and Thoracolumbar Fracture Fixation in the Osteoporotic Patient. Key Features: Each chapter provides historic literature as well as a synthesized analysis of current literature and proposes an evidence-based treatment plan Editors are international authorities on thoracolumbar spine trauma Expert tips and pearls included in every chapter The AOSpine Masters Series, a copublication of Thieme and AOSpine, a Clinical Division of the AO Foundation, addresses current clinical issues whereby international masters of spine share their expertise and recommendations

on a particular topic. The goal of the series is to contribute to an evolving, dynamic model of an evidence-based medicine approach to spine care. All spine surgeons and orthopaedic surgeons, along with residents and fellows in these areas, will find this book to be an excellent reference that they will consult often in their treatment of patients with thoracolumbar spine injuries.

**AOSpine Masters Series, Volume 1: Metastatic Spinal Tumors** Thieme

An estimated 9 million children every year are affected by pediatric spinal deformities, encompassing a broad spectrum of pathologies. New classification systems, innovative imaging modalities, and advances in surgical techniques have contributed to a continually evolving, evidence-based treatment paradigm. Patient variables such as the age of onset, severity, course of deformity progression, as well as the availability of technology pose individualized challenges. AOSpine Masters Series, Volume 9: Pediatric Spinal Deformity is a concise yet comprehensive review of fundamental surgical and nonsurgical approaches, contemporary issues, and treatment obstacles. Internationally renowned spine surgeons Luis Roberto Vialle, Marinus de Kleuver, and Sigurd Berven and a cadre of esteemed contributors deliver a state-of-the-art reference on

deformities of the pediatric spine. From early childhood to adolescent spine disorders, 17 richly illustrated chapters cover diagnosis, preoperative evaluation, imaging, spine surgery interventions, non-fusion procedures, and long-term management. Key Highlights Overviews on the classification and natural history of early onset scoliosis and adolescent idiopathic scoliosis, with subsequent chapters covering non-operative management and contemporary surgical techniques Evidence-based discussion of long-term surgical care outcomes, indications for revision surgery, and strategies for achieving optimal results Management of congenital and developmental kyphosis, lordosis, syndromic conditions, and low and high grade spondylolisthesis Clinical pearls on spine surgery in the developing world, safety issues and complications, and the importance of developing outcome metrics The AOSpine Masters series, a copublication of Thieme and the AOSpine Foundation, addresses current clinical issues featuring international masters sharing their expertise in the core areas in the field. The goal of the series is to contribute to an evolving, dynamic model of evidence-based approach to spine care. This outstanding textbook is a must have for spine surgeons, in particular those who specialize in treating childhood spine disorders.

Orthopaedic and neurosurgery residents, as well as veteran surgeons with extensive knowledge will find this an indispensable tool for daily practice.

[Neurosurgery Updates, Vol. I](#) Thieme

A focused guide from the world's experts on metastatic spine tumors" This first volume in the AOSpine Masters Series integrates the expertise of oncologists and radiology interventionalists with that of master spine surgeons, all of whom are actively involved in the care of patients with metastatic spine tumors. The book provides expert guidance to help clinicians make the right treatment decisions and provide the best care for their patients. Chapter topics range from evaluation and decision-making principles to a spectrum of non-operative and operative treatment options that have been rapidly evolving over the past decade. Key Features: Editors are internationally-recognized authorities on metastatic spine tumors Includes contributions from key opinion leaders working in spine oncology Synthesizes the best available evidence and consensus expert advice on metastatic spine tumors, leading to optimal clinical recommendations Each chapter includes clinical pearls, tips on complication avoidance, and "top 5 must-read references" The AOSpine Masters Series, a co-publication of Thieme and the AOSpine Foundation, addresses current clinical issues whereby international masters of spine share their expertise and recommendations on a particular topic. The goal of the series is to contribute to an evolving, dynamic model of an evidence-based medicine approach to spine care. All neurosurgeons, orthopedic surgeons, neuro-oncologists, and orthopedic oncologists specializing in spine, along with residents and fellows in these areas, will find this book to be an excellent guide that they will consult often in their treatment of patients with metastatic spine tumors. nbsp;

[Neurosurgery Fundamentals](#) Thieme

This first volume in the AOSpine Masters Series integrates the expertise of oncologists and radiology interventionalists with that of master spine surgeons, all of whom are actively involved in the care of patients with metastatic spine tumors. The book provides expert guidance to help clinicians make the right treatment decisions and provide the best care for their patients. Chapter topics range from evaluation and decision-making principles to a spectrum of non-operative and operative treatment options that have been rapidly evolving over the past decade. Key Features: Editors are internatio.

[AOSpine Masters Series](#) Thieme

This textbook provides a practically applicable sport-centred guide to fracture management for athletes. It features extensive evidence-based guidance on how fracture management can be adapted in athletic patients, to facilitate an accelerated return to sport. Descriptions of a variety of both acute and stress fracture types are included, covering both the appendicular and axial skeleton, in locations such as the shoulder, knee, ankle and spine. Throughout the book, the focus is on enabling the reader to develop a deeper understanding of the ideal management principles that are available for managing fractures in high-functioning patients. Fractures in Sport comprehensively covers the available strategies for managing fractures in professional and amateur athletes, and is ideal for use by practising and trainee orthopaedic surgeons, sports physicians, and general practitioners.

[Spinal Neurosurgery](#) Thieme

Widely regarded as the definitive reference in the field, Youmans and Winn Neurological Surgery offers unparalleled, multimedia coverage of the entirety of this complex specialty. Fully updated to reflect recent advances in the basic and clinical neurosciences, the 8th Edition covers everything you need to know about functional and restorative neurosurgery, deep brain stimulation, stem cell biology, radiological and nuclear imaging, and neuro-oncology, as well as minimally invasive surgeries in spine and peripheral nerve surgery, and endoscopic and other approaches for cranial procedures and cerebrovascular diseases. In four comprehensive volumes, Dr. H. Richard Winn and his expert team of editors and authors provide updated content, a significantly expanded video library, and hundreds of new video lectures that help you master new procedures, new technologies, and essential anatomic knowledge in neurosurgery. Discusses current topics such as diffusion tensor imaging, brain and spine robotic surgery, augmented reality as an aid in neurosurgery, AI and big data in neurosurgery, and neuroimaging in stereotactic functional neurosurgery. 55 new chapters provide cutting-edge information on Surgical Anatomy of the Spine, Precision Medicine in Neurosurgery, The Geriatric Patient, Neuroanesthesia During Pregnancy, Laser Interstitial Thermal Therapy for Epilepsy, Fetal Surgery for Myelomeningocele, Rehabilitation of Acute Spinal Cord Injury, Surgical Considerations for Patients with Polytrauma, Endovascular Approaches to Intracranial Aneurysms, and much more. Hundreds of all-new video lectures clarify

key concepts in techniques, cases, and surgical management and evaluation. Notable lecture videos include multiple videos on Thalamotomy for Focal Hand Dystonia and a video to accompany a new chapter on the Basic Science of Brain Metastases. An extensive video library contains stunning anatomy videos and videos demonstrating intraoperative procedures with more than 800 videos in all. Each clinical section contains chapters on technology specific to a clinical area. Each section contains a chapter providing an overview from experienced Section Editors, including a report on ongoing controversies within that subspecialty. Enhanced eBook version included with purchase. Your enhanced eBook allows you to access all of the text, figures, and references from the book on a variety of devices.

[Epidemiology of Brain and Spinal Tumors](#) Thieme

8 Burst Fracture Treatment -- 9 Differentiating Lumbar Fractures from Thoracolumbar Fractures -- 10 Thoracolumbar Fracture Fixation in the Osteoporotic Patient -- 11 Correction of Posttraumatic Deformity -- 12 Fractures in Ankylosing Conditions -- 13 Spinopelvic Fixation -- Index

[AOSpine Masters Series, Volume 7: Spinal Cord Injury and Regeneration](#) Thieme

A focused guide from the world's experts on metastatic spine tumors" This first volume in the AOSpine Masters Series integrates the expertise of oncologists and radiology interventionalists with that of master spine surgeons, all of whom are actively involved in the care of patients with metastatic spine tumors. The book provides expert guidance to help clinicians make the right treatment decisions and provide the best care for their patients. Chapter topics range from evaluation and decision-making principles to a spectrum of non-operative and operative treatment options that have been rapidly evolving over the past decade. Key Features: Editors are internationally-recognized authorities on metastatic spine tumors Includes contributions from key opinion leaders working in spine oncology Synthesizes the best available evidence and consensus expert advice on metastatic spine tumors, leading to optimal clinical recommendations Each chapter includes clinical pearls, tips on complication avoidance, and "top 5 must-read references" The AOSpine Masters Series, a co-publication of Thieme and the AOSpine Foundation, addresses current clinical issues whereby international masters of spine share their expertise and recommendations on a particular topic. The goal of the series is to contribute to an evolving, dynamic model of an evidence-based medicine approach to spine care. All neurosurgeons, orthopedic surgeons, neuro-oncologists, and orthopedic oncologists specializing in spine, along with residents and fellows in these areas, will find this book to be an excellent guide that they will consult often in their treatment of patients with metastatic spine tumors.

[Fractures of the Pelvis and Acetabulum](#) Thieme

A focused reference from the world's experts on degenerative cervical conditions This third volume in the AOSpine Masters Series covers the most common operative techniques for treating degenerative cervical conditions. The book provides expert guidance to help clinicians make the right treatment decisions and provide the best care for their patients. Chapter topics range from "Laminectomy and Fusion for Cervical Spondylotic Myelopathy" to "Complications on Anterior Surgery: VA Injury, Esophageal Perforation, and Dysphagia." Key Features: Synthesizes the best available evidence and consensus expert advice on each operative technique for degenerative cervical conditions, leading to optimal clinical recommendations Editors are internationally recognized authorities on the treatment of degenerative cervical conditions Each chapter includes tips and pearls from leaders in the field The AOSpine Masters Series, a co-publication of Thieme and the AOSpine Foundation, addresses current clinical issues whereby international masters of spine share their expertise and recommendations on a particular topic. The goal of the series is to contribute to an evolving, dynamic model of an evidence-based medicine approach to spine care. All neurosurgeons and orthopedic surgeons, along with residents and fellows in these areas, will find this book to be an excellent guide that they will consult often in their treatment of patients with degenerative cervical conditions.

[AOSpine Masters Series, Volume 4: Adult Spinal Deformities](#) Academic Press

This book covers all aspects and dimensions of tuberculosis affecting the spine, starting from its historical perspective to modern trends in early diagnosis, management, and rehabilitation. This book is a treatise fulfilling all the existing wide lacunae in suspicion, clinical examination, diagnosis, and management of this disease which still dwells as a mystery in modern medicine. It presents very easy to follow management plan algorithms and keynotes for easy and ready reference in each chapter. It describes the recent advances in diagnostic modalities and the treatment regimes, along with controversies, that have been elucidated and concluded with firm and sound references from evidence-based literature. This book also showcases the varied

presentations of the disease as per varied socio-economic strata and in different geographic regions along with the different, principle-based approach to the disease spectrum shall be discussed at length. It also includes different clinical settings and scenarios in the concerned chapters. This book is a ready reference guide for postgraduate trainees, post-doctoral trainees, and faculty and consultants of orthopedics and neurosurgery.

[AOSpine Masters Series, Volume 3: Cervical Degenerative Conditions](#) Thieme

This second volume in the AOSpine Masters Series balances critical appraisal of current evidence in spine oncology with the opinions of experienced spine surgeons to create a unique clinical reference for spine oncology surgeons. The book provides expert guidance to help clinicians make the right treatment decisions and provide the best care for their patients. The chapters have been written and researched by key leaders in spine oncology and range from general evaluation, staging, and decision making principles to histology-specific oncologic patient management. Key Features: Editors are internationally-recognized authorities on the treatment of primary spine tumors Synthesizes the best available evidence and consensus expert advice on primary spine tumors, leading to optimal clinical recommendations Each chapter includes clinical pearls, tips on complication avoidance, and top 5 must-read references The AOSpine Masters Series, a co-publication of Thieme and the AOSpine Foundation, addresses current clinical issues whereby international masters of spine share their expertise and recommendations on a particular topic. The goal of the series is to contribute to an evolving, dynamic model of an evidence-based medicine approach to spine care. All neurosurgeons, orthopedic surgeons, neuro-oncologists, and orthopedic oncologists specializing in spine, along with residents and fellows in these areas, will find this book to be an excellent resource that they will often refer to in their treatment of patients with primary tumors of the spine.

[AOSpine Masters Series, Volume 9: Pediatric Spinal Deformities](#) Thieme

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

[AOSpine Masters Series, Volume 5: Cervical Spine Trauma](#) Springer Nature

An expert reference on the management of adult spinal deformities In this fourth volume of the AOSpine Masters Series experts from around the world share their strategies for managing the most common adult spinal deformities. This book gives clinicians the guidance they need to make the right treatment decisions and provide the best care for their patients. Chapter topics include osteotomies for rigid spinal deformities, postoperative coronal decompensation in adult deformity, and biomechanics and material science for deformity correction. Key Features: The issues of patient selection, outcomes, and complications along with all the essential preoperative and intraoperative factors are discussed in detail in every chapter Editors are internationally recognized authorities on the management of adult spinal deformities Each chapter includes expert tips and pearls The AOSpine Masters Series, a co-publication of Thieme and AOSpine, a Clinical Division of the AO Foundation, addresses current clinical issues whereby international masters of spine share their expertise and recommendations on a particular topic. The goal of the series is to contribute to an evolving, dynamic model of an evidence-based medicine approach to spine care. All spine surgeons, orthopaedic surgeons, and neurosurgeons, along with residents and fellows in these areas, will find this book to be an excellent reference that they will consult often.

[AOSpine Masters Series, Volume 8: Back Pain](#) Thieme

Leading spinal trauma surgeons share their expertise on the cervical spine FOUR STARS from Doody's Star Ratings™ This fifth volume in the AOSpine Masters Series presents a detailed analysis

of the essential aspects of managing the most common cervical spine injuries. World-renowned cervical spine experts discuss anatomy, biomechanics, patient evaluation, and critical steps in the decision-making process for the treatment of these complex injuries. Chapters include: Anatomy of the Cervical Spine, Nonoperative Management of Cervical Spine Trauma, and Subaxial Cervical Spine Injuries. Key Features: Each chapter provides historic literature as well as a synthesized analysis of current literature and proposes an evidence-based treatment plan. Editors are international authorities on the management of cervical spine injuries. Expert tips and pearls included in every chapter. The AOSpine Masters Series, a co-publication of Thieme and AOSpine, a Clinical Division of the AO Foundation, addresses current clinical issues whereby international masters of spine share their expertise and recommendations on a particular topic. The goal of the series is to contribute to an evolving, dynamic model of an evidence-based medicine approach to spine care. All spine surgeons, orthopaedic surgeons, and neurosurgeons, along with residents and fellows in these areas, will find this book to be an excellent reference that they will consult often in their treatment of patients with cervical spine injuries.

#### Cervical Degenerative Conditions Thieme

Current statistics indicate that 75-80% of people worldwide will experience some form of back pain during their lifetime. Lumbar pain is a leading cause of disability - a global public health burden with serious economic implications. Written by internationally renowned spine experts, the 8th volume in the AOSpine Masters series is a concise, state-of-the-art overview on fundamental management strategies and current issues and challenges. The text covers the full age spectrum - from childhood to older adulthood - and contributing factors such as the sacroiliac joints, genetics, and spine infections. Clinical evaluation, treatment options, recent research advances, and future perspectives are systematically examined and presented in a clear format. With commentary from leading authorities, this compendium presents candid discussion of significant challenges faced by clinicians who treat back pain. Among the issues addressed are managing patients who have undergone multiple operations, chronic back pain, failed spine surgery, and what to do when all nonsurgical and surgical options have been exhausted. Key Highlights Economic considerations, risk factors, and legal aspects Neurological causes, including myopathies, neuromuscular disease, Parkinson disease, and dystonia Conservative treatment options such as drugs, physiotherapy, and complementary medicine The role of minimally invasive surgery in treating degenerative lumbar spine disease Must-read bibliographic references in every chapter Bullet lists of pearls and pitfalls summarize critical points and key concepts The AOSpine Masters series, a co-publication of Thieme and the AOSpine Foundation, addresses current clinical issues featuring international masters sharing their expertise in the core areas in the field. The goal of the series is to contribute to an evolving, dynamic model of evidence-based approach to spine care.

AOSpine Masters Series, Volume 6: Thoracolumbar Spine Trauma Lippincott Williams & Wilkins An estimated 9 million children every year are affected by pediatric spinal deformities, encompassing a broad spectrum of pathologies. New classification systems, innovative imaging modalities, and advances in surgical techniques have contributed to a continually evolving, evidence-based treatment paradigm. Patient variables such as the age of onset, severity, course of deformity progression, as well as the availability of technology pose individualized challenges. AOSpine Masters Series, Volume 9: Pediatric Spinal Deformity is a concise yet comprehensive review of fundamental surgical and nonsurgical approaches, contemporary issues, and treatment obstacles. Internationally renowned spine surgeons Luis Roberto Vialle, Marinus de Kleuver, and Sigurd Berven and a cadre of esteemed contributors deliver a state-of-the-art reference on

deformities of the pediatric spine. From early childhood to adolescent spine disorders, 17 richly illustrated chapters cover diagnosis, preoperative evaluation, imaging, spine surgery interventions, non-fusion procedures, and long-term management. Key Highlights Overviews on the classification and natural history of early onset scoliosis and adolescent idiopathic scoliosis, with subsequent chapters covering non-operative management and contemporary surgical techniques Evidence-based discussion of long-term surgical care outcomes, indications for revision surgery, and strategies for achieving optimal results Management of congenital and developmental kyphosis, lordosis, syndromic conditions, and low and high grade spondylolisthesis Clinical pearls on spine surgery in the developing world, safety issues and complications, and the importance of developing outcome metrics The AOSpine Masters series, a copublication of Thieme and the AOSpine Foundation, addresses current clinical issues featuring international masters sharing their expertise in the core areas in the field. The goal of the series is to contribute to an evolving, dynamic model of evidence-based approach to spine care. This outstanding textbook is a must have for spine surgeons, in particular those who specialize in treating childhood spine disorders. Orthopaedic and neurosurgery residents, as well as veteran surgeons with extensive knowledge will find this an indispensable tool for daily practice.

#### Bridwell and DeWald's Textbook of Spinal Surgery Thieme

Eighty percent of Americans experience back pain in varying degrees at some point in their lives. In fact, back pain is second only to the common cold as a reason why people visit a doctor. In *The Back Book*, Johns Hopkins surgeons Ziya L. Gokaslan and Lee Hunter Riley explain the causes and complexities of back pain and the various paths to diagnosis and treatment. Stressing the importance of individualized treatment, they discuss the process of establishing a treatment plan that is acceptable to the person with pain as well as to the attending physician. They also: • lay out reasonable expectations for surgical and nonsurgical treatment • illuminate the possibilities, risks, and limitations of back surgery • describe how to select a surgeon and the importance of choosing the right one Informative and reassuring, *The Back Book* provides readers with the knowledge they need to understand their back pain and get started on the route to relief.

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

The quintessential guide providing a one-stop roadmap to a neurosurgical career! Neurological surgery is a complex, highly selective specialty. For medical students and residents, navigating a huge array of neurosurgical information can be overwhelming. *Neurosurgery Fundamentals* by Nitin Agarwal is a portable reference enabling swift assimilation of neurosurgical care essentials. The book starts with a roadmap to a career in neurosurgery. It concludes with Advice from the Masters, featuring invaluable resources and insights from prominent neurosurgeons. Comprehensive technical overviews are provided on the neurological exam, neuroanatomy, neuroradiology, neurocritical care, traumatic brain and spinal cord injury, degenerative and deformity spine, neurovascular surgery, neurosurgical oncology, pediatric neurosurgery, functional neurosurgery, stereotactic radiosurgery, neurological infectious diseases, and interdisciplinary care. Socioeconomic topics include training, licensure, credentialing, and advocacy. Key Features Fundamental diseases, tests, and operative approaches are summarized. Top Hits feature the most salient questions, aiding in retention of knowledge. High-yield resources are highlighted to augment reader identification. Neurosurgical Pearls offer advice from the masters relevant to each chapter. High-quality illustrations, photographs, and radiographs enrich understanding. Aspiring neurosurgical providers will benefit from the easy-to-digest wealth of information in this concise, yet comprehensive guide.

**AOSpine Masters Series, Volume 3: Cervical Degenerative Conditions** Thieme Medical

#### Publishers

This fifth volume in the AOSpine Masters Series presents a detailed analysis of the essential aspects of managing the most common cervical spine injuries. World-renowned cervical spine experts discuss anatomy, biomechanics, patient evaluation, and critical steps in the decision-making process for the treatment of these complex injuries. Chapters include: Anatomy of the Cervical Spine, Nonoperative Management of Cervical Spine Trauma, and Subaxial Cervical Spine Injuries. Key Features: Each chapter provides historic literature as well as a synthesized analysis of current literature and proposes an evidence-based treatment plan. Editors are international authorities on the management of cervical spine injuries. Expert tips and pearls included in every chapter. The AOSpine Masters Series, a copublication of Thieme and AOSpine, a Clinical Division of the AO Foundation, addresses current clinical issues whereby international masters of spine share their expertise and recommendations on a particular topic. The goal of the series is to contribute to an evolving, dynamic model of an evidence-based medicine approach to spine care. All spine surgeons, orthopaedic surgeons, and neurosurgeons, along with residents and fellows in these areas, will find this book to be an excellent reference that they will consult often in their treatment of patients with cervical spine injuries.

#### AOSpine Masters Series, Volume 5: Cervical Spine Trauma Thieme

Part of the Neurosurgery by Example series, this volume on spinal neurosurgery presents exemplary cases in which renowned authors guide readers through the assessment and planning, decision making, surgical procedure, after care, and complication management of common and uncommon disorders. The cases explore the spectrum of clinical diversity and complexity within spinal neurosurgery, including occipital cervical dislocation, cervical myelopathy, thoracic cord compression, lumbar stenosis, and more. Each chapter also contains 'pivot points' that illuminate changes required to manage patients in alternate or atypical situations, and pearls for accurate diagnosis, successful treatment, and effective complication management. Containing a focused review of medical evidence and expected outcomes, Spinal Neurosurgery is appropriate for neurosurgeons who wish to learn more about a subspecialty, and those preparing for the American Board of Neurological Surgery oral examination. Advance Praise for Spinal Neurosurgery "I congratulate Drs. Harrop and Maulucci for this well done book that utilizes a unique and very effective format to cover the gamut of spine surgery and spine care topics. The book is well organized, lavishly illustrated with numerous figures and images, and includes oral board review pearls that are of particular value for those studying for their neurosurgery board examinations." -- Edward Benzel, MD, Emeritus Chair of Neurosurgery, Cleveland Clinic, Cleveland, OH "Through this extensive collection of various spine related clinical scenarios, the reader is able to learn very pertinent management principles and pearls. This book is particularly useful for those who are preparing for the oral boards, but also serves as excellent reading material for neurosurgeons and orthopedic spine surgeons at any stage in their career." -- Charles Sansur, MD, Associate Professor of Neurosurgery, University of Maryland School of Medicine, Baltimore, MD "Drs. Harrop and Maulucci have assembled an excellent compendium of cases/pathologies. The "Case-based" approach of this text lends itself to an easy readability as well as a compartmentalization of the reading for busy practitioners. This book is extremely useful to practitioners at all stages in their career, as it covers both basic and controversial information for each topic, and may be particularly useful for those surgeons reviewing for their oral board examination." -- Michael Y. Wang, MD, FACS, Professor of Neurological Surgery and Rehab, Medicine Spine Fellowship Director, Chief of Neurosurgery, University of Miami Hospital and Miller School of Medicine, Miami, FL