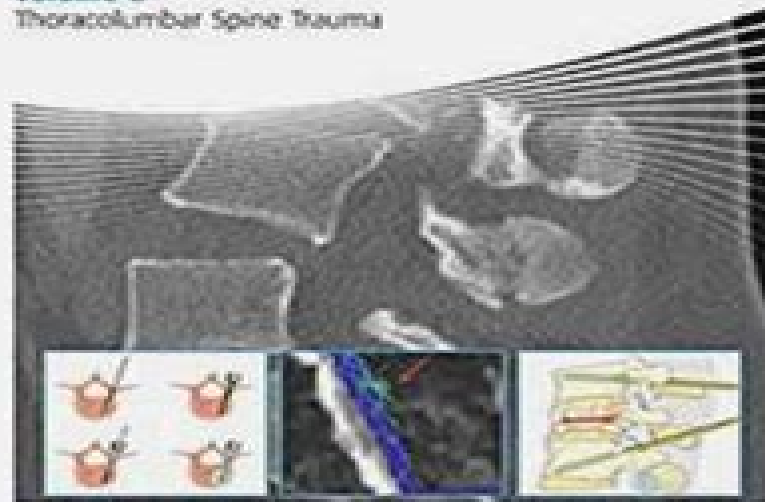




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Volume 6
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AOSpine Masters Series, Volume 6: Thoracolumbar Spine Trauma Carlo Bellabarba, Frank Kandziora, 2015-10-16
An expert reference on the thoracolumbar area of the spine FOUR STARS from Doody's 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 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 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 6: Thoracolumbar Spine Trauma*, **Thoracolumbar Spine Trauma** Luiz Roberto Vialle, Carlo Bellabarba, Frank Kandziora, 2015-11-24 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 5: Cervical Spine Trauma** Luiz Roberto Gomes Vialle, 2015-07-30 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 *Fractures in Sport* Greg A. J. Robertson, Nicola Maffulli, 2021-07-29 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

Rothman-Simeone The Spine E-Book Steven R. Garfin, Frank J. Eismont, Gordon R. Bell, Christopher M. Bono, Jeffrey S. Fischgrund, 2017-09-11 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 Expert Consult™ eBook version included with purchase This enhanced eBook experience allows you to search all of the text figures and references from the book on a variety of devices

AOSpine Masters Series, Volume 1: Metastatic Spinal Tumors Ziya L. Gokaslan, Charles G Fisher, Stefano Boriani, 2014-09-30 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 *AOSpine Masters Series, Volume 7: Spinal Cord Injury and Regeneration* Michael Fehlings,Norbert Weidner,2016-10-12 World renowned experts share the latest updates in translational research as well as surgical and nonsurgical strategies for treating spinal cord injury Spinal cord injury SCI is a devastating clinically challenging injury leading to varying degrees of neurological function impairment and paralysis Underlying biological mechanisms either inhibit or promote new growth in the spinal cord Researchers have been making important discoveries about how neurons and their axons grow in the central nervous system and why they fail to regenerate after SCI Although progress has been steady there remains an urgent need to address issues in acute management such as early decompression and the use of biologics as well as potential solutions for regeneration Written by renowned experts in the ever evolving field of SCI research and clinical practice the 7th volume in the AOSpine Masters series is a state of the art compendium on the latest in SCI diagnosis spine surgery interventions and long term management Each chapter contains pearls from leading spine specialists gleaned from the research laboratory and years of hands on experience treating SCI patients in the emergency setting and long term Key Features Pathobiology assessment and diagnostic considerations The use of biomarkers as predictors of functional recovery Surgical and nonsurgical interventions for traumatic SCI The role of neural stem cells and biologics in spinal cord repair Functional and epidural stimulation and brain computer interfaces 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 essential textbook delivers invaluable insights to spine surgeons spinal cord injury clinicians and researchers and trainees from translational researchers to experienced researchers and clinicians experienced in the operative and non operative management of spinal cord injury *AOSpine Masters Series, Volume 9: Pediatric Spinal Deformities* Marinus de Kleuver,Sigurd H. Berven,2017-09-01 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 **AOSpine**

Masters Series, Volume 4: Adult Spinal Deformities Lawrence G Lenke,Kenneth M.C. Cheung,2015-06-15 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 **AO Spine Manual, Volume 1: Principles and Techniques;**

Volume 2: Clinical Applications Max Aebi,2007-02-21 Based on the successful format of AO courses this two volume reference is a comprehensive manual for the latest AO spine techniques For each case the book guides the reader from case presentation through rationale for surgical treatment and to non operative treatment options The authors describe potential complications in spine surgery and outcomes Volume I Principles and Techniques begins with a complete review of basic science concepts helping the reader understand the biomechanics biology and the surgical anatomy of the spine This volume

provides a systematic overview of spinal instrumentation computer assisted surgery and anesthesia considerations Volume II Clinical Applications presents a compilation of clinical cases addressing the most common spinal problems such as spinal trauma tumors infections inflammatory processes deformities degenerative spinal diseases and metabolic bone disease Throughout both volumes high quality photographs and drawings illustrate surgical techniques step by step and demonstrate key concepts of management Clear easy to reference bulleted lists and shaded text boxes facilitate rapid review of important learning points An accompanying DVD ROM with video clips from live surgery symposia and practical exercises also enhance the reader's learning experience *AOSpine Masters Series, Volume 10: Spinal Infections* Shanmuganathan

Rajasekaran, Rishi Kanna, Giuseppe Barbagallo, 2018-09-05 Renowned spine experts share recent advances on the management of spinal infections AOSpine Masters Series Volume 10 Spinal Infections is a concise state of the art review covering all aspects of spinal infections from basic science and epidemiology to fundamental surgical and nonsurgical approaches Internationally renowned spine surgeons Luis Roberto Vialle S Rajasekaran Rishi Kanna Giuseppe Barbagallo and many experts across the world provide clinical pearls and insights gleaned from years of hands on expertise This book provides discussion of underlying pathologies imaging and diagnosis and surgical techniques with a focus on issues specific to children co infection with HIV postoperative problems geriatric patients and pseudoarthrosis Key Highlights Overviews on the epidemiology microbiology and pathology of spinal infections Detailed review of imaging and other investigations Treatment planning and surgical techniques Risk stratification and prevention of post operative infection Pathogenesis clinical features diagnosis and treatment of pyogenic spondylodiscitis in various regions of the spine Clinical pearls on the management of spinal tuberculosis including drug therapy and surgery 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 evidence based approach to spine care This textbook is essential reading for all spine surgeons Orthopaedic and neurosurgery residents as well as veteran surgeons will find this a useful tool for daily practice **AOSpine Masters Series, Volume 6** AOSpine International Staff, 2015

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 8: Back Pain** Jeffrey Wang, Claudio Lamartina, 2016-12-01 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

Spine and Spinal Cord Trauma Alexander R. Vaccaro, Michael G. Fehlings, 2011-01-01 Representing the collective efforts of a multinational multidisciplinary panel of spine and spinal cord trauma masters this beautifully illustrated evidence based textbook does more than provide multiple treatment options it offers unique access to insights from recognized spine experts and a thoughtful yet practical review of the most relevant literature and clinical evidence available in the field today Each chapter centers on pertinent questions and objective reviews of state of the art procedures that guide readers from an evaluation of the evidence through practical recommendations they can easily apply to their own practices Features Succinct outline format easy to read and reference 138 detailed evidentiary tables appear throughout the text An innovative new classification system for spine trauma developed by The Spine Trauma Study Group composed of 50 internationally recognized spine experts High quality radiographs and full color drawings and photographs complement the text Practical recommendations for the treatment of many common spinal injuries including odontoid fractures central cord injuries and thoraco lumbar flexion distraction injuries in depth information on everything from intensive care to rehabilitation Accompanying MediaCenter web content contains 15 narrated videos over one hour of footage of actual procedures by the authors *Spine and Spinal Cord Trauma Evidence Based Management* is an invaluable reference for orthopaedic surgeons neurosurgeons residents and fellows in those specialties and allied health professionals who care for spine injury patients

AOSpine Masters Series, Volume 2: Primary Spinal Tumors Luiz Roberto Gomes Vialle, Ziya L. Gokaslan, Stefano Boriani, 2014-11-22 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 *Management of Thoracolumbar Fractures* Charles A. Reitman, 2004 The newest addition to the AAOS Monograph series this title offers orthopaedic surgeons detailed information and instruction relating to thoracolumbar fractures AO Spine Manual, Volume 1: Principles and Techniques Volume 2: Clinical Applications Max Aebi, 2007-02-21 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 3: Cervical Degenerative Conditions Manabu Ito, K. Daniel Riew, 2014-12-01 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 Adult and Pediatric Spine Trauma, An Issue of Neurosurgery Clinics of North America Douglas L. Brockmeyer, Andrew T. Dailey, 2016-11-26 This issue will focus on both adult and pediatric spine trauma Featured articles are as follows Pharmacologic Treatment of SCI Classification of Adult Subaxial Cervical Trauma Classification and Management of Pediatric Craniocervical Injuries Classification and Management of Pediatric Subaxial Injuries Classification of Adult Thoracolumbar Injuries Management of Pediatric Thoracolumbar Injuries Treatment of Odontoid Fractures in the Aging Population Treatment of Facet Fractures in the Cervical Spine and many more

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