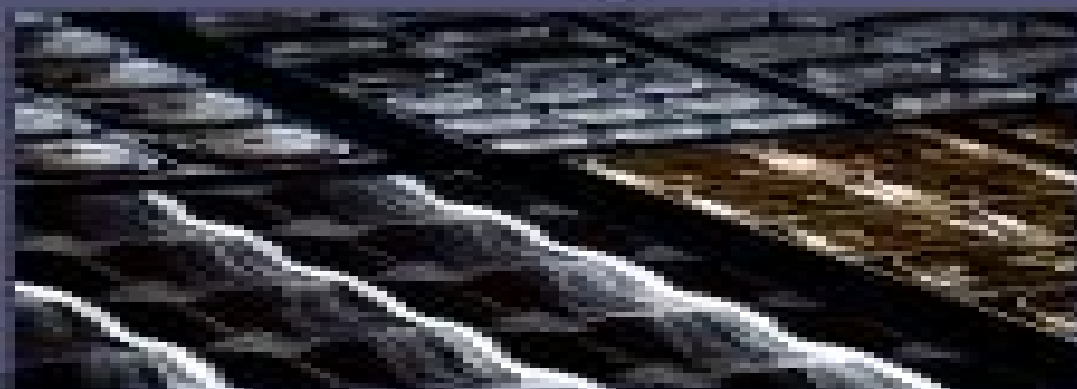


# Neurosurgery Clinics



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July 2024

# Spinal Malformations An Issue Of Neurosurgery Clinics

**Richard G. Fessler**



## **Spinal Malformations An Issue Of Neurosurgery Clinics:**

Spinal Deformity Update, An Issue of Neurosurgery Clinics of North America, E-Book Sigurd H. Berven, Praveen V Mummaneni, 2023-09-22 In this issue of Neurosurgery Clinics guest editors Drs Sigurd Berven and Praveen V Mummaneni bring their considerable expertise to the topic of Spinal Deformity Update Top experts in the field discuss key topics surrounding abnormal curves in the spine covering preoperative planning open surgical approaches minimally invasive surgical approaches postoperative care and more Contains 19 relevant practice oriented topics including preoperative optimization risk factors for perioperative complications and preoperative modification when to do less with adult deformity surgery fusion of the fractional curve vs the entire deformity robotic assisted surgery and navigation in deformity surgery complications and avoidance in adult deformity surgery and more Provides in depth clinical reviews on spinal deformities offering actionable insights for clinical practice Presents the latest information on this timely focused topic under the leadership of experienced editors in the field Authors synthesize and distill the latest research and practice guidelines to create clinically significant topic based reviews *Spinal Deformity Surgery, An Issue of Neurosurgery Clinics* Christopher Ames, Brian Jian, Christopher I. Shaffrey, 2013-04-28 This issue of the Neurosurgery Clinics Guest Edited by Drs Jian Ames and Shaffrey presents updates and state of the art approaches to spinal deformity surgery Spine surgery is a timely topics amongst neurosurgeons and one that is continually evolving Articles in this issue include Radiographic and Clinical Evaluation of Adult Spinal Deformity Use of Surgimap in Osteotomy Planning Correction Calculation and Reciprocal Changes Adolescent Scoliosis Classification and Treatment Osteotomy for Rigid Deformity Coronal Realignment Reduction Techniques and Complication Avoidance Cervical Deformity High Grade Spondylolisthesis Proximal Junctional Kyphosis and The Role of Minimally Invasive Techniques in the Treatment of Adult Spinal Deformity Chiari Malformation, An Issue of Neurosurgery Clinics of North America Jeffrey Leonard, 2016-01-07 This issue will cover chiari malformation in both children and adult populations In the past it was estimated that the condition occurs in about one in every 1 000 births However the increased use of diagnostic imaging has shown that CM may be much more common Complicating this estimation is the fact that some children who are born with the condition may not show symptoms until adolescence or adulthood if at all CMs occur more often in women than in men and Type II malformations are more prevalent in certain groups including people of Celtic descent *Chiari I Malformation, An Issue of Neurosurgery Clinics of North America*, E-Book David D. Limbrick, Jeffrey Leonard, 2022-11-24 In this issue of Neurosurgery Clinics guest editors Drs David D Limbrick and Jeffrey Leonard bring their considerable expertise to Chiari I Malformation Top experts in the field cover key topics such as comorbidities associated with Chiari I malformation orthostatic intolerance and Chiari I malformation clinical manifestations of Chiari I malformation imaging in Chiari I malformation posterior fossa decompression for Chiari I malformation and more Contains 21 relevant practice oriented topics sociodemographics of Chiari I malformation Chiari I malformation and sleep

disordered breathing complex Chiari diagnosis evaluation and treatment new insights into craniovertebral junction instability in Chiari I malformation spine deformity associated with Chiari I malformation and syringomyelia and more Provides in depth clinical reviews on Chiari I malformation offering actionable insights for clinical practice Presents the latest information on this timely focused topic under the leadership of experienced editors in the field Authors synthesize and distill the latest research and practice guidelines to create clinically significant topic based reviews

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**New Technologies in Spine Surgery, An Issue of Neurosurgery Clinics of North America E-Book** Michael Y. Wang, Nathaniel P. Brooks, 2019-11-28 This issue of Neurosurgery Clinics guest edited by Dr Nathaniel P Brooks and Dr Michael Y Wang is devoted to New Technologies in Spine Surgery Articles in this issue include Endoscopic Lumbar Discectomy Endoscopic Cervical Foraminotomy Endoscopic Lumbar Interbody Fusion Endoscopic Lumbar Decompression Lateral Lumbar Interbody Fusion Retropleural Thoracic Approach Novel Intervertebral Technologies Surface Technologies for Fusion Cell derived Stem Cell Technologies for Fusion Disk Replacement Enhanced Recovery in Spine Surgery Perioperative pain management Imaging Technologies Robotic Instrumentation Placement Minimally Invasive Deformity Advances Tissue Engineering Regenerative Treatments Minimally Invasive Tumor Ablation and more

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**Meningioma, An Issue of Neurosurgery Clinics of North America, E-Book** Randy L. Jensen, Gabriel

Zada,2023-05-25 In this issue of Neurosurgery Clinics guest editors Drs Randy L Jensen and Gabriel Zada bring their considerable expertise to the topic of Meningioma Top experts in the field cover key topics such as genomic and epigenomic landscape of meningioma current pathology of meningiomas medical management of meningiomas endoscope endonasal and keyhole surgery for skull base meningiomas open craniotomy for meningiomas and more Contains 17 relevant practice oriented topics including management of intraventricular meningioma spinal meningiomas immunotherapy and other targeted therapies for meningiomas the role of radiotherapy in the treatment of higher grade meningioma advanced meningioma imaging and more Provides in depth clinical reviews on meningioma offering actionable insights for clinical practice Presents the latest information on this timely focused topic under the leadership of experienced editors in the field Authors synthesize and distill the latest research and practice guidelines to create clinically significant topic based reviews

**Degenerative Spinal Deformity: Creating Lordosis in the Lumbar Spine, An Issue of Neurosurgery Clinics of North America** Sigurd H. Berven, Praveen V Mummaneni, 2018-06-23 This issue of Neurosurgery Clinics edited by Drs Sigurd Berven and Praveen V Mummaneni will cover Degenerative Spinal Deformity Creating Lordosis in the Lumbar Spine Topics will include but are not limited to Spinopelvic Parameters Location of lordosis priority for L4 S1 and Age Adjustments Approach Selection Nuances of Pedicle Subtraction Osteotomy Preventing Pseudarthrosis and PJK The Challenge of Creating Lordosis in High Grade Dysplastic Spondylolisthesis Sacropelvic Fixation Evolution of the MISDEF Algorithm Transposas Approach Nuances Lateral Prepsoas Approach Nuances Anterior Column Release Navigation assisted MIS deformity correction MIS TLIF MIS PSO and The challenge of L4 S1 fractional curves *Syndromic Neurosurgery, An Issue of Neurosurgery Clinics of North America , An Issue of Neurosurgery Clinics of North America, E-Book* James A.

Stadler,2021-11-24 In this issue of Neurosurgery Clinics Guest Editor James A Stadler brings his considerable expertise to the topic of syndromic neurosurgery Top experts in the field cover key topics such as Syndromic epilepsy tumor syndromes syndromic craniosynostosis and more Provides in depth clinical reviews on syndromic neurosurgery providing actionable insights for clinical practice Presents the latest information on this timely focused topic under the leadership of experienced editors in the field Authors synthesize and distill the latest research and practice guidelines to create these timely topic based reviews Contains 14 relevant practice oriented topics including The history of syndromic neurosurgery Multidisciplinary evaluation of neurosurgical patients with genetic syndromes Neurosurgical evaluation and management of children with achondroplasia Neurosurgical evaluation and management of patients with connective tissue disorders and more

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Biliary Tract or Primary Liver Tumors Endoscopic and Percutaneous Approaches to Treat of Biliary Tract and Primary Liver Tumors Controversies and Advances Intrahepatic Cholangiocarcinoma Strategies and Options Surgical Considerations of Hilar Cholangiocarcinoma Gall Bladder Cancer Managing the Incidental Diagnosis Approaches and Outcomes to Distal Cholangiocarcinoma Evolving Surgical Options of Hepatocellular Carcinoma Staging of Biliary and Primary Liver Tumors Current Recommendations and Workup Systemic and Targeted Therapy for Biliary Tract Tumors and Primary Liver Tumors Regional Chemotherapy for Biliary Tract and Primary Liver Cancer Role of Radioembolization for Biliary Tract and Primary Liver Cancer Inoperable Biliary Tract and Primary Liver Tumors Palliative Treatment Options Expanding the Surgical Pool for Hepatic Resection to Treat Biliary and Primary Liver Tumors and more      **Chiari Malformation, An Issue of**

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Tandon, 2012      *Low-Grade Glioma, An Issue of Neurosurgery Clinics of North America* Guy M. McKhann II, Hugues Duffau, 2018-11-23 This issue of Neurosurgery Clinics guest edited by Drs Guy McKhann and Hugues Duffau with consulting editors Russell R Lonser and Daniel K Resnick will focus on Low Grade Glioma Topics includes but are not limited to Epidemiology and Molecular Epidemiology WHO Pathological and Molecular Classification Molecular Pathogenesis Glioma Cell Migration and Heterogeneity Clinical Presentation Natural History and Prognosis LGG Epilepsy MRI fMRI DTI Molecular Imaging Brain Mapping Techniques in LGG Surgical Adjuncts to Increase EOR iMRI Fluorescence Raman Histology Mapping Cognition and Emotion Extent of Resection EOR vs Molecular Classification Chemotherapy Treatment and Trials

Radiotherapy Treatment and Trials Higher Order Surgical Questions and Building a Glioma Practice      **Pediatric Neurovascular Disorders, An Issue of Neuroimaging Clinics of North America** Prakash Muthusami, Todd Abruzzo, 2024-10-30 In this issue of Neuroimaging Clinics guest editors Drs Prakash Muthusami and Todd Abruzzo bring their considerable expertise to the topic of Pediatric Neurovascular Disorders Top experts in the field discuss catheter directed cerebral and spinal angiography in children fetal neurovascular malformations intracranial arterial aneurysms in childhood neurovascular trauma in children spinal vascular malformations of childhood and more Contains 11 relevant practice oriented topics including special considerations for cross sectional imaging in the child with neurovascular disease pediatric intracranial vascular malformations arterial ischemic stroke in children hemorrhagic stroke in children neurovascular diseases across the pediatric age spectrum and more Provides in depth clinical reviews on pediatric neurovascular disorders offering actionable insights for clinical practice Presents the latest information on this timely focused topic under the leadership of experienced editors in the field Authors synthesize and distill the latest research and practice guidelines to create clinically significant topic based reviews      **Ablative Therapies in Neurosurgery, An Issue of Neurosurgery Clinics of North America, E-Book** Peter Nakaji, Oliver Bozinov, 2023-03-14 In this issue of Neurosurgery Clinics guest editors Drs Peter Nakaji and Oliver Bozinov bring their considerable expertise to the topic of Ablative Therapies in Neurosurgery Top experts in the field cover key topics such as MR guided laser interstitial thermal therapy for infield of brain metastases awake LITT high frequency ultrasound ablation in neurosurgery current application of ablative therapies for trigeminal neuralgia and more Contains 12 relevant practice oriented topics including laser interstitial thermal therapy for radionecrosis posterior fossa LITT in children neurosurgical applications of magnetic hyperthermia therapy MHT laser interstitial thermal therapy for epilepsy pros and cons of ablation for functional neurosurgery in the neurostimulation age and more Provides in depth clinical reviews on ablative therapies in neurosurgery offering actionable insights for clinical practice Presents the latest information on this timely focused topic under the leadership of experienced editors in the field Authors synthesize and distill the latest research and practice guidelines to create clinically significant topic based reviews

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practising neurosurgeons Key Points Comprehensive review of surgical management of the thoracic spine from the World Federation of Neurosurgical Societies Chapters on anatomy biomechanics spinal conditions and surgical procedures 558 illustrations images and tables *Musculoskeletal MRI* Asif Saifuddin, Philippa Tyler, Rikin Hargunani, 2016-03-23

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Perez-Cruet, Lee-Onn Chieng, 2024-08-21 Written by renowned neurosurgeons and orthopedic spine surgeons *Adult and Pediatric Spinal Deformities Recent Advances and Evolution of Technologies* provides insights into the latest development of technologies and their application in managing both adult and pediatric spinal deformities The primary goal of this book is to help the spine surgeons navigate a daunting number of available devices and modern techniques and leverage the latest technologies to achieve optimal patient outcomes The text combines a thorough review of literature with expert experience to elucidate the advantages and capabilities of currently available techniques and instrumentation options



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