

# Neurosurgery

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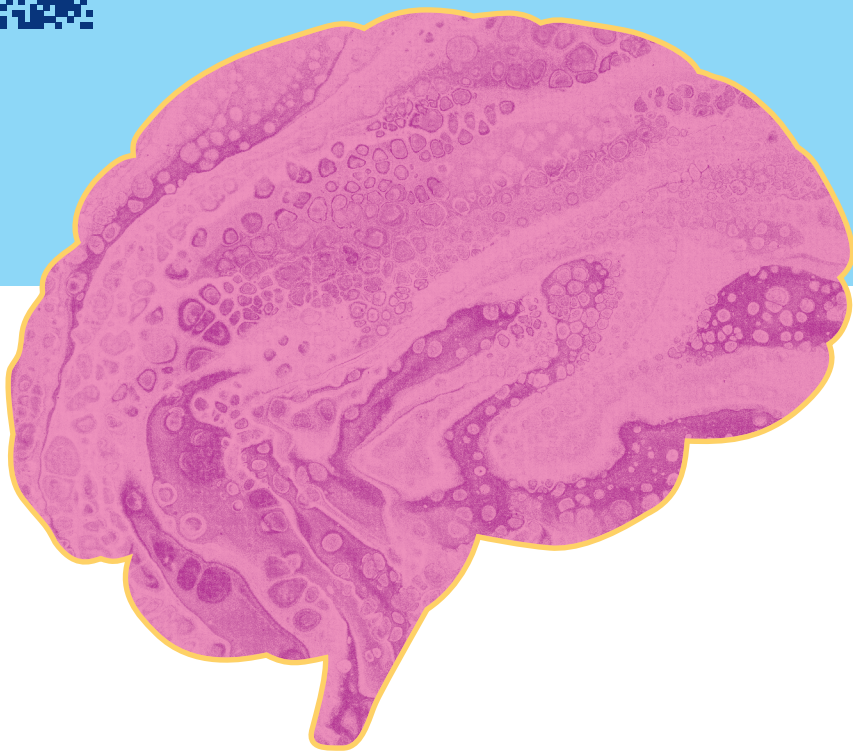
2020

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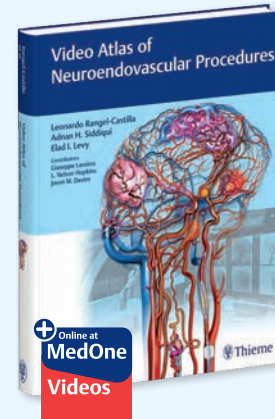
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*New!*

### Video Atlas of Neuroendovascular Procedures

Rangel-Castilla et al.

2020/540 pp./1065 illus./hardcover & ebook

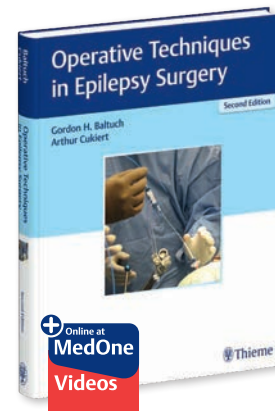
ISBN 978 1 68420 118 1/\$249.99\*

eISBN 978 1 68420 119 8/\$174.99

**The go-to guide on safely performing state-of-the-art neuroendovascular procedures from top experts!**

#### KEY HIGHLIGHTS

- More than 600 relevant, high quality neuroimaging findings and artist illustrations enhance understanding of impacted anatomy and approaches
- Specific techniques and key steps are brought to life through more than 140 outstanding videos narrated by highly experienced endovascular neurosurgeons – conveniently accessible via smart phones or tablets using QR technology
- Essential diagnostic procedures such as cerebral and spinal angiography, cerebral venogram, and balloon test occlusion
- Complex neuroendovascular procedures including various angioplasty and stenting approaches for extracranial vessel disease, carotid and vertebral arteries, and venous sinus; thrombectomy procedures to treat acute ischemic stroke; and coiling, flow diversion, and embolization techniques for intracranial aneurysms, brain/spinal
- AVMs and fistulas, and select CNS and extracranial tumors



*New!*

### Operative Techniques in Epilepsy Surgery Second edition

Baltuch/Cukiert

2019/260 pp./437 illus./hardcover & ebook

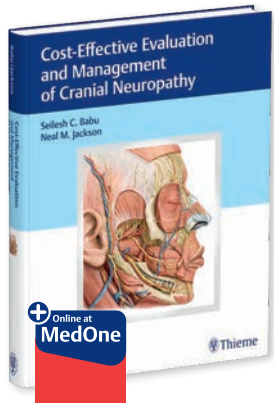
ISBN 978 1 62623 818 3/\$189.99\*

eISBN 978 1 62623 819 0/\$134.99

**An indispensable, single-volume resource on state-of-the-art epilepsy procedures from renowned international experts!**

#### KEY FEATURES

- Chapters new to this edition include endoscopic callosotomy, laser-induced thermal therapy (LITT), and focused ultrasound
- High-quality illustrations, superb operative and cadaver photographs, radiologic images, and tables enhance understanding of impacted anatomy and specific techniques
- The addition of videos provides insightful step-by-step procedural guidance



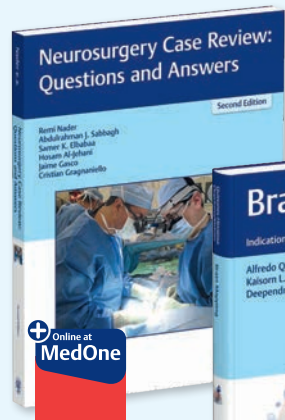
### Cost-Effective Evaluation and Management of Cranial Neuropathy

Babu/Jackson

2019/142 pp./136 illus./hardcover & ebook  
ISBN 978 1 68420 019 1/  
\$99.99\*  
eISBN 978 1 68420 020 7/  
\$69.99

#### KEY FEATURES

- Unique algorithms provide clinicians with simple-to-follow, cost-effective methods for managing complex disorders that result in facial nerve weakness, hearing loss, and swallowing problems
- Pathology-specific chapters cover a wide range of conditions including olfactory disorders, vision disorders, audio vestibular disorders, facial and trigeminal nerve disorders, and spinal accessory nerve disorders
- Diagnosis and management of cranial nerve disorder symptoms such as vision loss, dysphagia, and dysphonia



### Neurosurgery Case Review: Questions and Answers

Second edition

Nader et al. (Ed.)

2020/646 pp./760 illus./softcover & ebook  
ISBN 978 1 62623 198 6/\$149.99\*  
eISBN 978 1 62623 199 3/\$104.99

The second edition expands on the highly successful first edition, presenting 149 cases commonly encountered by neurosurgeons in clinical practice. The cases are broadly divided into seven sections—tumor, vascular intracranial pathology, trauma, pediatric, functional, spine, and peripheral nerves. The chapters are arranged in a manner that mirrors the oral board exam.

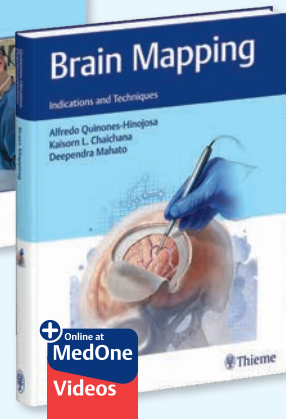
### Brain Mapping

Indications and Techniques

Quinones-Hinojosa/Chaichana/Mahato

2020/212 pp./120 illus./hardcover & ebook  
ISBN 978 1 68420 092 4/\$149.99\*  
eISBN 978 1 68420 093 1/\$104.99

Brain mapping is a groundbreaking technology which greatly enhances the neurosurgeon's ability to safely resect challenging lesions located in eloquent areas of the brain. This book gives a comprehensive overview of the most critical aspects of brain mapping from leaders in the field.



### Endoscopic Transnasal Anatomy of the Skull Base and Adjacent Areas

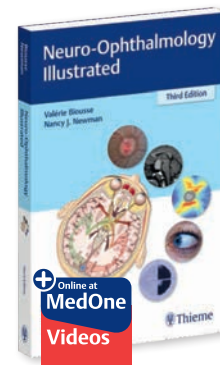
A Lab Dissection and Radiological Atlas

Nicolai et al. (Ed.)

2019/472 pp./1070 illus./hardcover & ebook  
ISBN 978 3 13 241562 1/\$184.99\*  
eISBN 978 3 13 241563 8/\$129.99

#### KEY FEATURES:

- Provides the basis for cultivating a firm and confident understanding of the 3D anatomy of this intricately complex region
- Emphasizes the ability of the endoscopic surgeon to integrate CT and MRI findings into the surgical planning process
- A logical and modular organization of the contents intends to make for easy correlation with the surgical literature
- Brilliant step-by-step presentation of dissections using cadavers, helping readers to fully understand all the anatomical nuances



### Neuro-Ophthalmology Illustrated

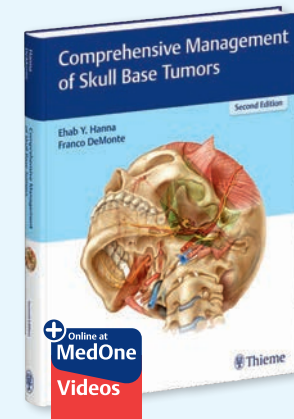
Third edition

Biousse/Newman

2019/696 pp./662 illus./softcover & ebook  
ISBN 978 1 68420 074 0/\$119.99\*/eISBN 978 1 68420 075 7/\$84.99

#### A richly illustrated modern classic in neuro-ophthalmology now in an exciting new edition with video clips!

This work expands on the widely acclaimed prior editions, lauded with awards by the Association of American Publishers and the British Medical Association. The updated text reflects diagnostic advances such as optical coherence tomography and features new high-quality images and videos.



### Comprehensive Management of Skull Base Tumors

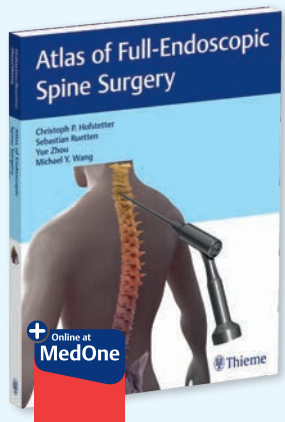
Second edition

Hanna/DeMonte

2020/approx. 752 pp./approx. 662 illus./hardcover & ebook  
ISBN 978 1 62623 532 8/\$249.99\*  
eISBN 978 1 62623 533 5/ \$174.99

#### KEY FEATURES

- In-depth discussion of anatomic regions of the cranial base, including surgical anatomy, regional pathology, differential diagnosis, clinical assessment, diagnostic imaging, and surgical approaches
- Incidence, epidemiology, pathology, staging, multidisciplinary treatment, outcome, and prognosis for a wide range of neoplasms including squamous cell carcinoma, chondrosarcomas, chordomas, meningiomas, schwannomas, paragangliomas, and many more



*New!*

**Atlas of Full-Endoscopic Spine Surgery**

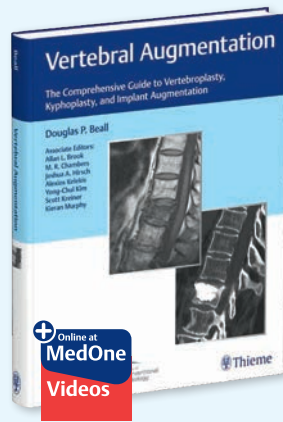
Hofstetter et al.

2019/160 pp./488 illus./softcover & ebook  
 ISBN 978 1 68420 023 8/\$99.99\*  
 eISBN 978 1 68420 024 5/\$69.99

This work provides concise, step-by-step guidance on the latest full endoscopic spine procedures. It 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.

**KEY FEATURES**

- Transforaminal endoscopic lumbar and thoracic discectomy approaches
- Trans-SAP 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.



*New!*

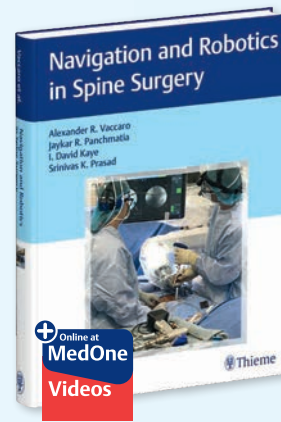
**Vertebral Augmentation  
 The Comprehensive Guide to Vertebroplasty,  
 Kyphoplasty, and Implant Augmentation**

Beall  
 2020/300 pp./524 illus./hardcover & ebook  
 ISBN 978 1 68420 015 3/\$149.99\*  
 eISBN 978 1 68420 016 0/\$104.99

This resource fills a gap in the literature, with extensive updates on a vast amount of new information and techniques that have been introduced during the past decade.

**KEY FEATURES**

- Procedural chapters cover vertebroplasty, sacroplasty, cervical and posterior arch augmentation, balloon kyphoplasty, and vertebral augmentation with implants and for challenging pathologies
- Special topics include radiation exposure and protection, post-procedure physical therapy, osteoporosis treatment, postural fatigue syndrome, the effect on morbidity and mortality, and cementoplasty outside the spine
- Treatment of complex cases are also discussed extensively including chronic vertebral compression fractures, neoplastic vertebral compression fractures, instrumented spinal fusions, and severe benign and malignant fractures
- Personal tips, tricks, and pearls from global masters of vertebral augmentation



*New!*

**Navigation and Robotics in Spine Surgery**

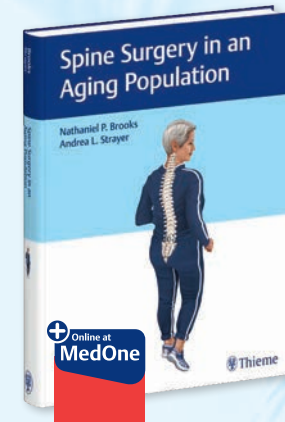
Vaccaro et al.

2019/230 pp./125 illus./hardcover & ebook  
 ISBN 978 1 68420 031 3/\$149.99\*  
 eISBN 978 1 68420 032 0/\$104.99

**A unique how-to guide for spine surgeons on state-of-the-art computer-assisted navigation and robotic surgery techniques**

**KEY FEATURES**

- An impressive group of international spine surgeons who pioneered navigation and robotic surgery techniques share invaluable tricks of the trade
- Discussion of fluoroscopy- and intraoperative CT-based platforms, applications for intraoperative sonography, and radiation exposure and minimization strategies
- Special topics include OR set-up and workflow, surmounting the learning curve, artificial intelligence, and lessons learned from other industries
- Procedural videos demonstrate the benefits of computer-assisted navigation and robotic techniques



*New!*

**Spine Surgery in an Aging Population**

Brooks/Strayer

2019/208 pp./83 illus./hardcover & ebook  
 ISBN 978 1 62623 914 2/\$159.99\*  
 eISBN 978 1 62623 915 9/\$109.99

**KEY HIGHLIGHTS**

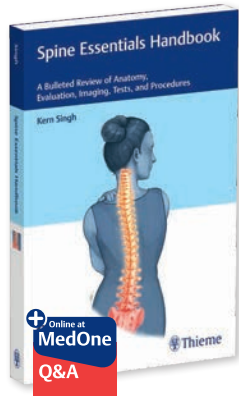
- Diagnosis and treatment of osteoporosis to help prevent fractures and optimize treatment approaches prior to elective surgery
- Management of common pathologies of the aging spine such as cervical spondylosis, lumbar stenosis, spondylolisthesis, degenerative scoliosis and trauma
- Special topics include value-based care, nonsurgical management of spinal pain, vertebral augmentation, minimally invasive surgery, and instrumentation considerations

*Forthcoming*

**Minimally Invasive Spine Surgery  
 A Primer**

Tumialan, 2020

ISBN 978 1 62623 218 1 / \$ 199.99\*  
 eISBN 978 1 62623 219 8 / \$ 139.99



**Spine Essentials Handbook**  
A Bulleted Review of Anatomy, Evaluation, Imaging, Tests, and Procedures

Singh  
2019/262 pp./165 illus./softcover & ebook  
ISBN 978 1 62623 507 6 / \$ 79.99\*/eISBN 978 1 62623 510 6 / \$ 54.99

This handbook is a concise, compact guide on key principles of spine surgical knowledge - from the atlanto-occipital joint to the coccyx. It provides both professionals and medical trainees with user-friendly, insightful text gleaned from the hands-on insights of seasoned spinal surgeons.

**KEY HIGHLIGHTS**

- High-impact citations and questions at the end of each chapter highlight key topics
- Detailed drawings, diagrams, radiographic images, and MRIs elucidate and expand upon chapter topics
- Tables provide a quick reference, with concise information including impacted anatomy, nerves, and procedural maneuvers utilized in exams



**Spinal Injection Techniques**  
Second edition

Theodoridis/Krämer (Eds.)  
2019/308 pp./503 illus./hardcover & ebook  
ISBN 978 3 13 241447 1  
\$194.99\*  
eISBN 978 3 13 241448 8  
\$134.99

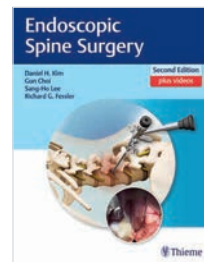
This book presents all common methods for the injection of local anesthetics to address pain from the cervical spine to the sacrum. The authors describe techniques that are viable alternatives to spine surgery and that do not rely on diagnostic imaging.

**KEY FEATURES**

- Provides detailed coverage of injection therapy without the use of image guidance
- Features inpatient and outpatient minimally invasive spine therapy, and concomitant pharmaceutical treatments
- Includes essential information on contraindications and patient consent
- More than 400 color illustrations and photographs demonstrate the relevant anatomy, patient positioning, and accurate needle placement



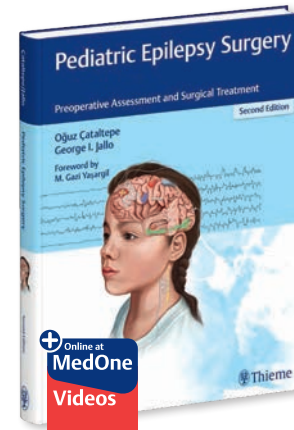
**ALSO RECOMMENDED**



Kim et al. (Ed.), 2018  
ISBN 978 1 62623 264 8  
\$189.99\*  
eISBN 978 1 62623 265 5  
\$189.99



Singh/Vaccaro, 2018  
ISBN 978 1 62623 623 3  
\$69.99  
eISBN 978 1 62623 624 0  
\$69.99



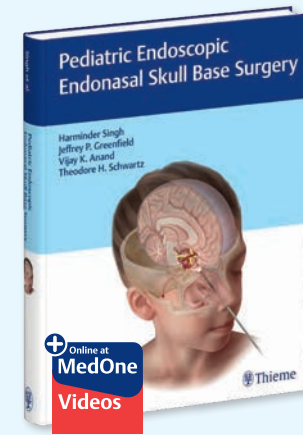
**Pediatric Epilepsy Surgery**  
Preoperative Assessment and Surgical Treatment  
Second Edition

Oğuz Cataltepe  
George I. Jallo  
2019/736 pp./600 illus./hardcover & eBook  
ISBN 978-1-62623-816-9/\$299.99\*  
eISBN 978-1-62623-817-6/\$209.99

This cutting-edge book provides essential information about the preoperative assessment of and surgical approaches to the treatment of epilepsy in children.

**HIGHLIGHTS:**

- Complete coverage of the selection of surgical candidates, including young patients with congenital or early lesions
- Detailed discussion of the latest surgical techniques such as hippocampal transection, cortical and deep brain stimulation and radiosurgery
- Comprehensive presentation of all major hemispherectomy and hemispherotomy techniques



**Pediatric Endoscopic Endonasal Skull Base Surgery**

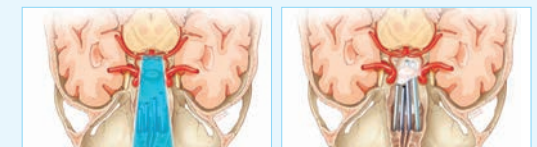
Harminder Singh Jeffrey P. Greenfield  
Vijay K. Anand Theodore H. Schwartz  
2019/224 pp./500 illus./hardcover  
ISBN 978-1-62623-501-4/\$129.99\*  
eISBN 978-1-62623-502-1/\$89.99

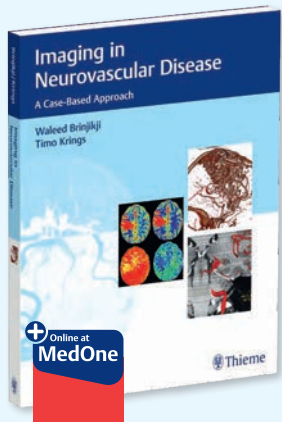
**The state-of-the-art resource on pediatric endoscopic endonasal approaches**

The first textbook focused solely on endoscopic endonasal management of cranial base pathologies in children. The book reflects in-depth expertise from an extraordinary group of international contributors from five continents, who share extensive knowledge on this emerging field.

**KEY FEATURES**

- Core topics including anatomy, rhinological and anesthetic considerations, patient positioning and OR set-up, instrumentation, and endonasal corridors and approaches
- Detailed endoscopic treatment of a full spectrum of pediatric pathologies, such as craniopharyngioma, meningoencephalocele, basilar invagination, and benign and malignant tumors, among others
- Discussion of multiple skull-base closure techniques, managing complications, and neurosurgical and otolaryngological postoperative care





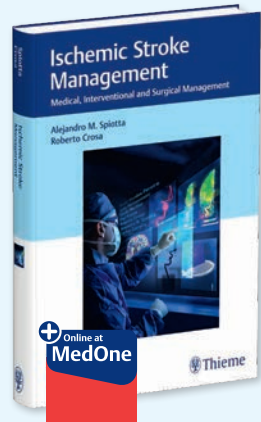
**New!**

**Imaging in Neurovascular Disease**  
A Case-Based Approach  
Brinjikji/Krings

2019/240 pp./793 illus./  
softcover & ebook  
ISBN 978 1 68420 053 5/\$149.99\*  
eISBN 978 1 68420 054 2/\$104.99

**KEY HIGHLIGHTS**

- About 600 high-quality noninvasive images, such as MR angiography/MR imaging, CT angiography/CT perfusion, with angiography where applicable, elucidate a spectrum of findings
- Analysis of the imaging appearance of a diverse array of common to rare neurovascular diseases provides diagnostic and treatment insights
- Each case concludes with the most important points clinicians need to know, high-yield facts about a specific cerebrovascular disease, and suggested readings for further exploration



**New!**

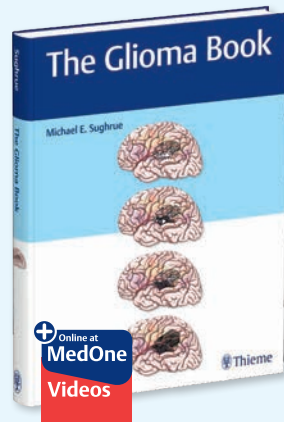
**Ischemic Stroke Management**  
Medical, Interventional and Surgical Management  
Spiotta/Crosa

2019/151 pp./46 illus./  
hardcover & ebook  
ISBN 978 1 62623 908 1/\$129.99\*  
eISBN 978 1 62623 909 8/\$89.99

**A complete guide to improving stroke treatment and patient outcomes from international experts!**

**KEY HIGHLIGHTS**

- International authors share diverse experiences treating stroke patients, delivering a unique international perspective
- Endovascular neurosurgery ischemic stroke approaches and discussion of scientific evidence
- Mechanical thrombectomy utilizing Catch, Trevo, and Solitaire stent retrievers and the evolution of direct clot aspiration approaches
- Special topics include neurocritical care of acute ischemic stroke, pediatric stroke, and emerging state-of-the-art techniques



**New!**

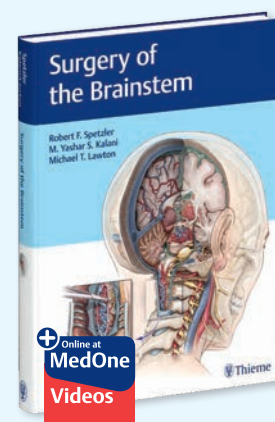
**The Glioma Book**  
Sughrue

2019/350 pp./345 illus./  
hardcover & ebook  
ISBN 978 1 62623 444 4/\$179.99\*  
eISBN 978 1 62623 445 1/\$124.99

**A unique resource on glioma leverages advances and firsthand insights to enact meaningful change**

**KEY FEATURES**

- Numerous case examples illuminate concepts introduced earlier in the book and explain how to perform these procedures
- About 30 high quality videos posted online provide insightful procedural guidance
- The role of connectomic imaging in visualizing the cerebrum, and other innovative techniques including awake brain mapping and diffusion tensor tractography



**New!**

**Surgery of the Brainstem**

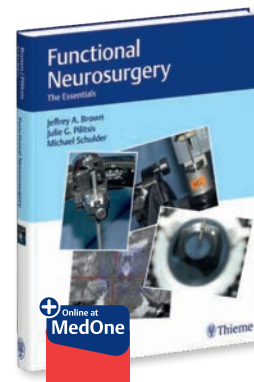
Spetzler/Kalani/Lawton (Eds.)

2019/492 pp./325 illus./hardcover & ebook  
ISBN 978 1 62623 291 4/\$259.99\* eISBN 978 1 62623 292 1/\$179.99

**The ultimate guide to navigating and treating brainstem pathologies from master neurosurgeon Robert Spetzler**

**KEY HIGHLIGHTS**

- A full spectrum of treatment modalities and outcomes, including open surgery, endoscopic approaches, stereotactic radiosurgery, radiotherapy, endovascular techniques, and revascularization
- An anatomy chapter featuring stunning Rhoton-style anatomical dissections delineates critical landmarks in the brainstem, thalamus, pineal region, and cranial nerves
- Detailed discussion of patient positioning and exposure of various brainstem domains
- Pearls on overcoming psychological, pathological, and anatomical barriers and managing complications

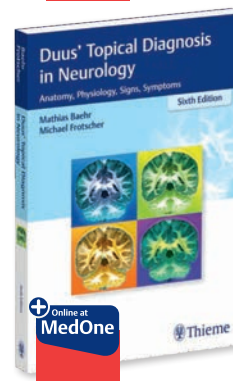


**Functional Neurosurgery**  
The Essentials

Brown/Pilitsis/Schuller

2019/168 pp./70 illus./hardcover & ebook  
ISBN 978 1 62623 774 2/\$159.99\*  
eISBN 978 1 62623 775 9/\$109.99

This book is a reader-friendly introduction to this fascinating and rapidly evolving field. It features contributions from authors with expertise spanning the disciplines of neurosurgery, neurology, rehabilitation and physical medicine, neurophysiology, bioengineering, psychiatry and ophthalmology.



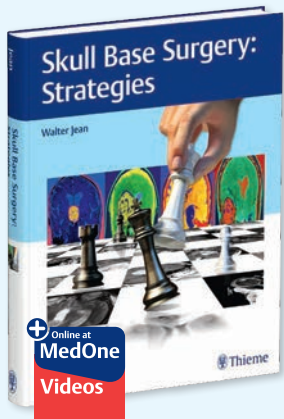
**Topical Diagnosis in Neurology**

Anatomy, Physiology, Signs, Symptoms  
Sixth edition

Bähr/Frotscher

2019/332 pp./429 illus./softcover & ebook  
ISBN 978 3 13 240958 3/\$69.99\*  
eISBN 978 3 13 240959 0/\$49.99

The sixth edition builds on the clear, integrated presentation of anatomy, function, and disorders of the central nervous system. It elucidates the neuroanatomical pathways that lead to specific clinical syndromes and demonstrates how comprehensive anatomical knowledge combined with a thorough neurological examination can help localize and categorize a lesion and arrive at a differential diagnosis.



### Skull Base Surgery Strategies

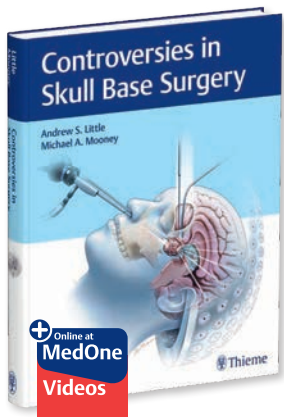
Jean

2019/455 pp./505 illus./hardcover & ebook  
ISBN 978 1 62623 957 9/\$249.99\*/eISBN 978 1 62623 958 6/\$174.99

This work provides eloquent expression to the inner voices that speak to surgeons during each stage of battle. Unlike other textbooks, this resource focuses on state-of-the-art skull-base procedures, important thought processes, and vital strategies required to perform them.

#### KEY FEATURES

- Nine sections organized by anatomy cover tumors in the anterior, anterolateral, lateral, central, postero-superior, and postero-inferior skull base regions, and clivus, petrous bone, and ventricles
- Thirty-two systematically organized chapters flow from clinical presentation and radiographic/anatomical findings of specific patients and tumors – to decision-making and execution of the surgical approach
- Real-life cases enhance understanding of all the elements that go into each operation
- Perspectives sections at the end of each chapter embrace the concept of diverse surgeon viewpoints on similar ideas, techniques, and approaches



### Controversies in Skull Base Surgery

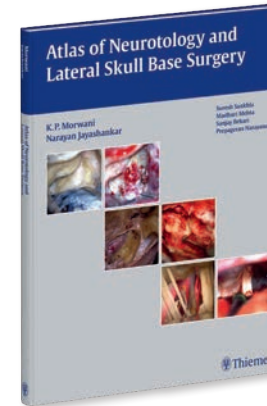
Little/Mooney

2019/324 pp./99 illus./hardcover & ebook  
ISBN 978 1 62623 953 1/\$199.99\*/eISBN 978 1 62623 954 8/\$139.99

This book focuses on management strategies and treatment options for a wide range of tumors affecting the skull base, while addressing the most urgent and challenging questions facing skull base surgeons today.

#### KEY HIGHLIGHTS

- Reader-friendly tables feature concise summaries, author pearls, and levels of available evidence
- Pearls and insights on hotly debated issues such as the role of radiosurgery, surgery vs. medical management, radical resection vs. subtotal resection, and proton-beam vs. photon therapy for various pathologic conditions
- Controversies not frequently discussed in depth, including the use of lumbar drains, postoperative antibiotics, and cerebral revascularization in skull base surgery; multidisciplinary collaboration in endoscopic endonasal surgery; skull base reconstruction techniques; and the future of robotics in skull base surgery



### Atlas of Neurotology and Lateral Skull Base Surgery

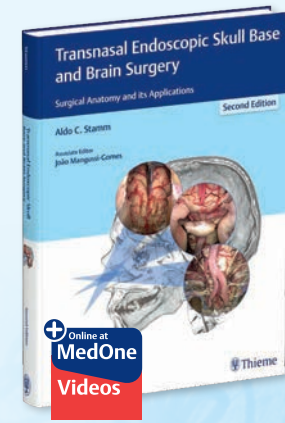
Morwani/Jayashankar

2015/260 pp./798 illus./hardcover  
ISBN 978 93 82076 93 3/\$89.99\*

This atlas covers all aspects of a multidisciplinary approach for treatment in this field. It will help readers understand the intricate anatomy of the lateral skull base region along with the treatment approaches in the combined fields of neurotology and lateral skull base surgery.

#### KEY HIGHLIGHTS

- A quick guide for otologists, neurotologists, and neurosurgeons
- Includes over 700 high-quality photographs showing cadaveric dissections and step-by-step representation of live surgical procedures
- Provides case examples for each approach
- Describes the anatomy of lateral skull base in a step-by-step approach, combined with specific approaches designed to excise lesions
- Presents up-to-date pathology management techniques
- Provides Tips and Pearls at the end of each chapter to highlight important points



### Transnasal Endoscopic Skull Base and Brain Surgery Surgical Anatomy and its Applications Second edition

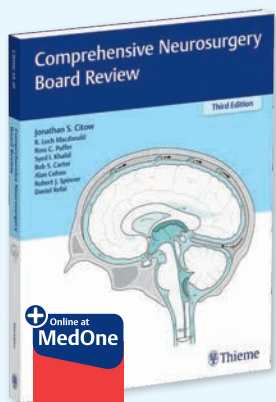
Stamm (Ed.)

2019/690 pp./704 illus./hardcover & ebook  
ISBN 978 1 62623 710 0/\$229.99\*  
eISBN 978 1 62623 711 7/\$159.99

**Outstanding endoscopic skull base surgical resource presents cutting-edge approaches from multidisciplinary global experts**

#### KEY FEATURES

- Chapter summaries and highlights facilitate understanding and retention of complex concepts
- More than 700 beautiful anatomical, operative, and dissection illustrations and photographs enhance understanding of impacted areas
- 20 accompanying videos provide guidance on endoscopic transnasal approaches in patients with diverse skull base diseases
- Pearls, pitfalls, and nuances throughout this book provide invaluable insights on achieving optimal outcomes



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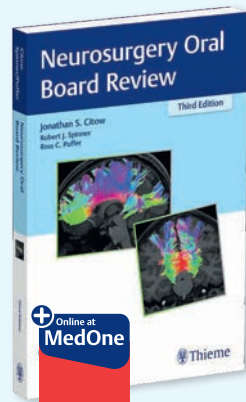
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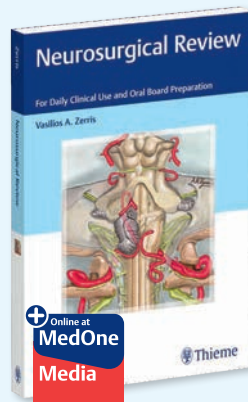
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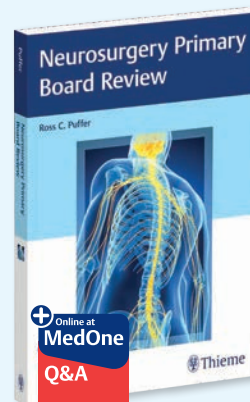
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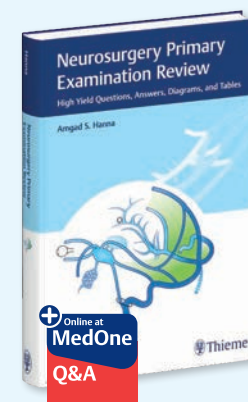
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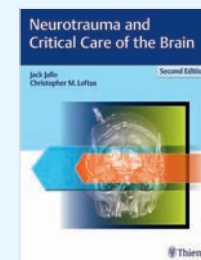
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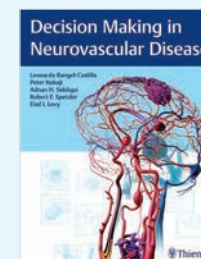
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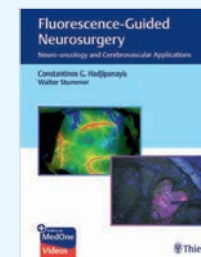
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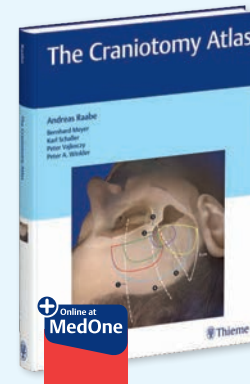
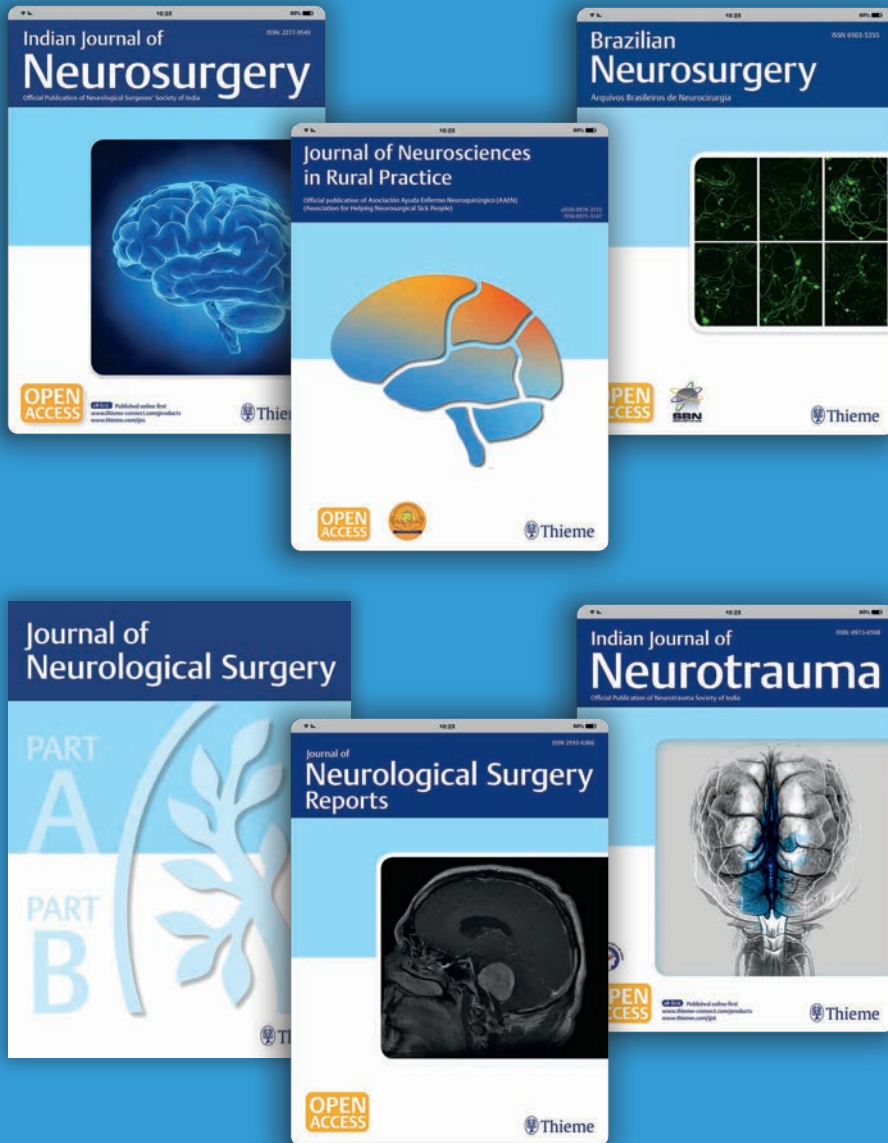
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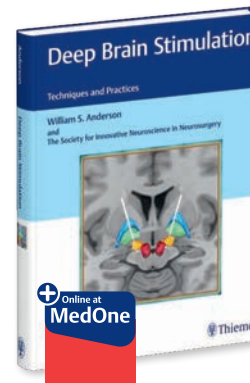
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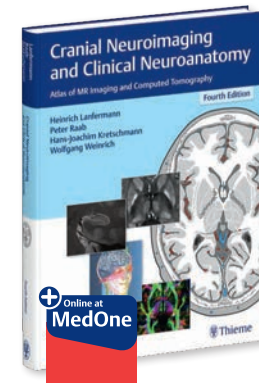
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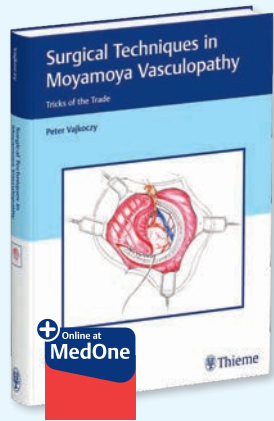
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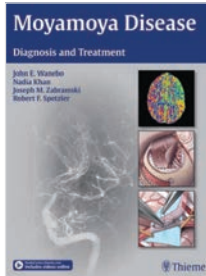
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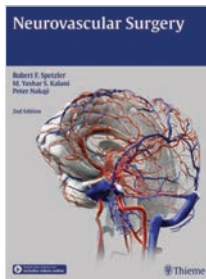
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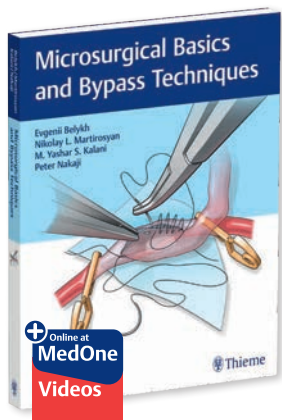
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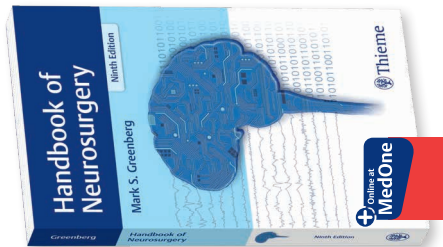




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