

Preoperative Embolization Of The Head And Neck Ajnr

Anesthesia for Otolaryngologic Surgery offers a comprehensive synopsis of the anesthetic management options for otolaryngologic and bronchoscopic procedures. Authored by world authorities in the fields of anesthesiology and otolaryngology, both theoretical concepts and practical issues are addressed in detail, providing literature-based evidence wherever available and offering expert clinical opinion where rigorous scientific evidence is lacking. A full chapter is dedicated to every common surgical ENT procedure, as well as less common procedures such as face transplantation. Clinical chapters are enriched with case descriptions, making the text applicable to everyday practice. Chapters are also enhanced by numerous illustrations and recommended anesthetic management plans, as well as hints and tips that draw on the authors' extensive experience.

Comprehensively reviewing the whole field, Anesthesia for Otolaryngologic Surgery is an invaluable resource for every clinician involved in the care of ENT surgical patients, including anesthesiologists, otolaryngologists and pulmonologists.

Neurointervention in the Medical Specialties is a first-of-its-kind reference that serves as a bridge between the neurointerventionalist and the physicians who most frequently look to these specialists for answers to some of the most intractable problems they face. Providing background on the wide range of diseases treated through neurointervention along with the indications and alternatives to such treatments, this landmark title is grouped into four parts: an introduction to the tools and anatomical structures that are integral to the field; disease processes most often encountered by neurologists, cardiologists, and vascular surgeons; those diseases more frequently treated by neurosurgeons; and finally those diseases first seen by several other specialties including ophthalmologists and head and neck surgeons. Importantly, each chapter includes details of neurointerventional technique and case discussions that are sufficiently detailed to provide a treatment template and guidance to neurointerventionalists in training and practice. At the same time, the descriptions provide referring physicians with insight into how neurointerventional procedures are performed. Finally, there are several concluding, thought-provoking chapters that examine what new opportunities await the field of neurointervention on the horizon. Neurointervention in the Medical Specialties is a major contribution to the literature and invaluable resource for all clinicians and researchers interested in this exciting field.

Numerous new concepts and procedures are reviewed and discussed in this book and allude to the transport of drugs to the brain. New radiation concepts are also presented, plus management of toxicities associated with both treatment modalities. It is the goal of this book to provide information and data that will be useful for both researchers and practitioners to develop new approaches for the management of CNS malignancies.

This book cites several clinical indications for embolization. Embolization is a safe and effective therapy for intra visceral bleeding, closure of arterio-venous malformations, non-surgical nephrectomy and splenectomy. It is especially useful in patients with several critical co-morbid medical conditions which preclude radical surgeries. It is organ preserving, with limited complications. In the text, the procedural details are described in each clinical situation. The materials used for the procedure are also be described. The

procedural pitfalls and complications are detailed in addition to precautions to be taken during the procedure. This will serve as a reference guide for cardiologists and vascular radiologists.

Featuring comprehensive coverage of the latest developments and technology in the field, Case-Based Interventional Neuroradiology provides a thorough review of commonly encountered neurovascular diseases, as well as detailed background information on the rationale for each treatment choice. Cases center on real life scenarios with high-quality images, and offer readers a concise, practical, and up-to-date approach to the diseases neurointerventionalists face. Each case describes the clinical presentation, the non-invasive imaging studies, and the treatment, including equipment used and a step-by-step description of the intervention. The authors then thoroughly discuss the case and provide background information on the disease, differential diagnoses, and a description of the non-invasive workup, including the physical exam and required imaging studies. A separate section in each case contains alternate treatment options -- including medical, surgical, or radiosurgical treatment options -- in order to broaden the reader's understanding of the benefits or disadvantages of treatments provided by related disciplines. Clinicians can rapidly refresh their knowledge on the success and complications rates of the different treatment options using the up-to-date literature review and a literature review featuring the latest references. Features 72 clinical cases enhanced by over 750 high-quality radiographs cover the full range of vascular and nonvascular neurointerventional diseases Interpretations of clinical and imaging findings help readers to fully understand the reasons for the treatment choice and the specific goals to be achieved Presents tips on how to avoid complications, as well as how to recognize and manage complications when they occur Examples of both successful and unsuccessful cases offer a well-rounded perspective Readers are brought quickly up to speed with practical information on imaging findings, the physical exam, epidemiology, differential diagnoses, treatment modalities, the risks of alternate treatments, and current studies This cutting-edge compendium is an essential resource for both the beginning interventionalist and the seasoned practitioner in radiology, interventional radiology, neuroradiology, and vascular neurosurgery. Residents will find the succinct presentation of cases an invaluable learning tool.

The book contains the information of various aspects of newer developments and recent advances in the field of central nervous system (CNS) tumor molecular biology, tumor progression, clinical presentation, imaging and management. The authors from different reputed institutions shared their knowledge on this open access platform to disseminate their knowledge at global level. As it is obvious in the current text, the field of neurooncology is heterogeneous and under continuous development with addition of new knowledge and information on regular basis. The collective contributions from experts attempt to provide updates regarding ongoing research and developments pertaining to CNS tumor genetics and molecular aspects and their applied aspect in reference to patient management.

"The goal of neurological critical care is to rapidly deliver acute medical therapies and appropriate interventions through effective monitoring of both neurological and end organ function. The NeuroICU Book puts that goal within the reach of every neurologist and critical care specialist. Combining the latest clinical perspectives in critical care medicine, neurology, and neurosurgery, this

comprehensive, evidence-based text standardizes neurocritical care and takes you through the rationale for those standards. Filled with detailed case studies and featuring a question-and-answer format, the book not only builds competency in recognizing acute changes in neurological function, but also addresses all organ insufficiencies and failures, reflecting the real-life challenges in the modern neuro-ICU."--Publisher's website.

Endovascular intervention - using medication and devices introduced through catheters or microcatheters placed into the blood vessels through a percutaneous approach - has emerged as a relatively new minimally invasive approach to treat cerebrovascular disease and possibly intracranial neoplasms. This textbook provides a comprehensive review of principles pertinent to endovascular treatment of cerebrovascular diseases and intracranial tumors, with a detailed description of techniques for these procedures and periprocedural management strategies. Particular emphasis is placed on expert interpretation of the quality of evidence provided and implications for practice related to endovascular procedures. This will be essential reading for clinicians working in interventional neurology and cardiology, endovascular neurosurgery, vascular surgery and neuroradiology.

Effectively avoiding, recognizing, and managing complications is integral to your operative success. Let a multidisciplinary team of experts in otolaryngology, plastic surgery, oral and maxillofacial surgery, and general surgery guide you through the full range of complications associated with every type of head and neck procedure . . . so you will be equipped to produce the most favorable outcomes for even the most challenging cases! Expert, comprehensive, multidisciplinary coverage of head and neck complications helps you to safely incorporate new surgical techniques into your practice. An emphasis on complication prevention and recognition assists you in avoiding the "complication cascade." Coverage of both acute and long-term care of patients with head and neck complications prepares you to make effective choices in both instances. A new "Quality of Life" section examines the controversies that often surround selecting one procedure over another, illuminating why certain procedures aren't always best for some patients. A new section on complications of facial plastic and reconstructive surgery equips you to perform these techniques with greater confidence. A consistent, practical chapter format helps you focus on key clinical and surgical considerations. A new, more cohesive full-color illustration program richly captures visual nuances of clinical presentation and operative technique. A bonus CD-ROM allows you to use all of the images from the book in electronic presentations.

Wherever, whenever, or however you need it, unmatched procedural guidance is at your fingertips with the new edition of Schmidek & Sweet: Operative Neurosurgical Techniques! Completely revised under the auspices of new editor-chief Dr. Alfredo Quiñones-Hinojosa, this comprehensive medical reference examines indications, operative techniques, complications, and results for nearly every neurosurgical procedure. Full-color illustrations, 21 new chapters, internationally-acclaimed contributors, surgical videos, and online access make it a "must have" for today's practitioner.

Hone your skills for Master virtually every routine and specialized procedure for brain, spinal, and peripheral nerve problems in adult patients. Review clinical information on image-guided technologies and infections. Easily understand and apply techniques with guidance from more than 1,600 full-color illustrations. Rely on the knowledge and experience of new editor-in-chief Dr. Alfredo Quiñones-Hinojosa and leading international authorities, who offer multiple perspectives on neurosurgical challenges, from tried-and-true methods to the most current techniques. See exactly how to proceed with online surgical videos that guide you through each technique and procedure to ensure the best possible outcomes and results. Apply the latest techniques and knowledge in deep brain stimulation for epilepsy, movement disorders, dystonia, and psychiatric disorders; surgical management of blast injuries; invasive electrophysiology in functional neurosurgery; and interventional management of cerebral aneurysms and arterio-venous malformations. Take it with you anywhere! Access the full text, downloadable image library, video clips, and more at www.expertconsult.com.

This book provides an up-to-date overview on the epidemiology, clinical presentation, and imaging characteristics of sacral tumors, discusses the available treatment options, and reports the published outcomes. The diagnostic roles of conventional radiology, CT, and MRI are thoroughly described and imaging appearances are compared with the histologic features. The coverage of therapeutic approaches includes chemotherapy, radiotherapy, radiosurgery, and surgery (partial or total sacrectomy and spinopelvic reconstruction). Special attention is paid to the specific anatomic constraints that make tumors in this region of the spine more difficult to manage effectively than those in the extremities and the mobile portions of the spine. All components of the sacrum can give rise to benign or malignant tumors, which pose significant diagnostic and therapeutic challenges. Although these tumors are often diagnosed at an advanced stage, good clinical outcomes may be achieved if an aggressive multidisciplinary approach is used. This book will be of value for a range of practitioners; it will assist in prompt diagnosis and help to overcome lack of familiarity with the required treatment strategies.

Embolization procedures have grown in numbers, diversity and complexity during the last decade. During this time, there have been a number of new embolic agents and techniques developed. This book presents evidence based reviews of all the advances in the field including current devices, basic and advanced techniques, and tips and tricks. Key Features Topics included span the breadth of the embolization work performed by Interventional Radiologists, including neuro applications, trauma applications, and applications in Interventional Oncology among others A comprehensive reference covering all applications of embolotherapy Focal point of the text will be the evidence-based reviews for each topic Tips and tricks section will bring added value to this project providing clinical pearls that can be immediately incorporated into everyday clinical practice

This book provides a comprehensive up-to-date review of juvenile angiofibroma, with contributions from all relevant specialties. Starting with a brief introduction to the history, etiology and relevant anatomy, the book goes on to discuss the pathology, clinical features and treatment of this disease in depth, concluding with a summary of current controversies. Juvenile Angiofibroma is aimed at a global audience of otolaryngologists, endoscopists, head and neck surgeons, maxillofacial surgeons, pathologists, radiologists and geneticists.

The overall incidence of meningiomas, particularly in the developed countries, is rising due to a growing size of the aging population, with people living longer and enjoying healthier lives than ever before. Additionally, an increased utilization of imaging studies such as computer tomography (CT) and magnetic resonance (MR) for routine evaluation of closed head injuries, paranasal sinus problems and various non-specific neurological symptoms, ranging from headaches to dizziness, has contributed to enhanced detection of incidental meningiomas. The book contains the most up-to-date information in all matters related to meningiomas, and is written by multiple contributors - internationally recognized experts in their respective fields from Asia, USA and Europe. This is an essential reference guide to neurosurgeons and neurologists (in training and in practice), as well as medical libraries, throughout the world.

This book provides a comprehensive and up-to-date overview of the role of diagnostic and interventional radiology in respect of liver malignancies. Following background chapters on anatomy, epidemiology, and clinicopathologic features, each of the diagnostic imaging techniques is carefully appraised, focusing on new developments in equipment and contrast agents. The interventional therapeutic approaches to primary and secondary hepatic malignancies are then discussed in depth. The volume also covers special topics such as liver tumors in children and hepatic transplantation.

This book, written by leading experts from throughout the world, will prove an indispensable source of information for clinicians and researchers involved in the diagnostic and therapeutic management of patients with liver malignancies. Hysterectomy is a very common type of surgery and can be a life-saving operation for some women with certain types of cancer or torrential uterine haemorrhage. It can also improve the quality of life for women who experience menometrorrhagia, uterine leiomyomata, endometriosis or uterine prolapse. However, before embarking on hysterectomy, it is important to be aware of and understand all the options available, medical or conservative surgical, as well as their risks and benefits. The most determinant factors for choosing one or another approach are uterine size, organ mobility, parity and previous pathology, in integration with best research evidence, clinical expertise and patient values and expectations. This book is intended for all specialties involved in health care for women.

This publication aims to give comprehensive information on the methods of gamma knife radiosurgery and the results of treatment of the most frequent diagnoses using radiosurgery. A summarisation of existing knowledge and results obtained in gamma knife

radiosurgery world-wide is based on experience with treatment of more than 13,500 patients over 20 years at Na Homolce Hospital, Prague. Besides detailing the basic data of Leksell gamma knife radiosurgery, this book also provides thorough technical description of former and existing gamma knife models, basic physics principles of gamma knife radiosurgery, calibration and quality assurance as well as standardised treatment procedures. The book is primarily intended for physicians, who, together with the patient decide on the most appropriate methods of treatment for each diagnosis. The publication can be also helpful to medical physicists who are involved in gamma knife radiosurgery and responsible for its calibration and quality assurance. Finally, it is also intended for patients who are looking for, if necessary, more comprehensive information on the radiosurgical treatment method for tumours and other brain disorders.

Unique neurointerventional surgery resource analyzes landmark literature to inform optimal patient management The field of neurointerventional surgery is rapidly expanding with an ever-accelerating pace of technological innovations. While industry plays a significant role in designing new technology and defining indications for its use, practitioners need to evaluate and determine the most efficacious treatments for their patients. Neurointerventional Surgery: An Evidence-Based Approach by renowned endovascular neurosurgeons Min Park, M. Yashar S. Kalani, and Michael F. Stiefel examines the most common disease states in neurointerventional surgery through a critical lens. The unique text leverages evidenced-based data to inform treatment decisions and improve patient outcomes. The text is organized by 5 sections and 32 chapters, including the latest state-of-the-art interventions. Each of the chapters provides critical analysis of the "landmark papers" that established the foundation and standards for modern neurointerventional practice. An example is the rapidly changing understanding of large vessel occlusions in ischemic stroke that now strongly supports mechanical thrombectomy as a viable and important part of the treatment armamentarium. Key Highlights Contributions from internationally recognized leaders in academic neurointerventional surgery provide insightful and analytic perspectives Encompasses the full continuum of neurointerventional procedures in one resource, from hemorrhagic and ischemic stroke to neoplasms and spine conditions The reader-friendly structure and chapter formatting facilitates understanding of often complicated decision-making The evidenced-based, multifaceted approach to neurointerventional surgery presented in this textbook makes it vital reading for residents, fellows, and practitioners in neurosurgery, as well as fellows in interventional neuroradiology and interventional neurology.

Otorhinolaryngology- Head & Neck Surgery is the latest edition of this comprehensive two-volume guide to all the sub-specialties of otorhinolaryngology, including brand new chapters and the most recent developments in the field. New topics in this edition include laryngopharyngeal reflux, trauma and stenosis of the larynx, and laryngeal cancer, bringing the text firmly up to date. Illustrated in full colour across 2000 pages, this vast two-volume set is an ideal source of reference for otorhinolaryngology practitioners and residents.

Use today's latest technology and methods to optimize imaging of complex skull base anatomy. This practical reference offers expert guidance on accurate preoperative lesion localization and the evaluation of its relationship with adjacent neurovascular

structures. Features a wealth of information for radiologists and surgeons on current CT and MR imaging as they relate to skull base anatomy. Covers localizing skull base lesions, reaching the appropriate differential diagnosis, and deciding which surgical approach is best. Consolidates today's available information and guidance in this challenging area into one convenient resource. Now in its 6th edition, Cummings Otolaryngology remains the world's most detailed and trusted source for superb guidance on all facets of head and neck surgery. Completely updated with the latest minimally invasive procedures, new clinical photographs, and line drawings, this latest edition equips you to implement all the newest discoveries, techniques, and technologies that are shaping patient outcomes. Be certain with expert, dependable, accurate answers for every stage of your career from the most comprehensive, multi-disciplinary text in the field! Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Overcome virtually any clinical challenge with detailed, expert coverage of every area of head and neck surgery, authored by hundreds of leading luminaries in the field. Experience clinical scenarios with vivid clarity through a heavily illustrated, full-color format which includes approximately 3,200 images and over 40 high quality procedural videos. Get truly diverse perspectives and worldwide best practices from a multi-disciplinary team of contributors and editors comprised of the world's leading experts. Glean all essential, up-to-date, need-to-know information. All chapters have been meticulously updated; several extensively revised with new images, references, and content. Stay at the forefront of your field with the most updated information on minimally-invasive surgical approaches to the entire skull base, vestibular implants and vestibular management involving intratympanic and physical therapy-based approaches, radiosurgical treatment of posterior fossa and skull base neoplasms, and intraoperative monitoring of cranial nerve and CNS function. Apply the latest treatment options in pediatric care with new chapters on pediatric sleep disorders, pediatric infectious disease, and evaluation and management of the infant airway. Find what you need faster through a streamlined format, reorganized chapters, and a color design that expedites reference. Manage many of the most common disorders with treatment options derived from their genetic basis. Assess real-world effectiveness and costs associated with emergent technologies and surgical approaches introduced to OHNS over the past 10 years. Incorporate recent findings about endoscopic, microscopic, laser, surgically-implantable, radiosurgical, neurophysiological monitoring, MR- and CT-imaging, and other timely topics that now define contemporary operative OHNS. Wherever, whenever, or however you need it, unmatched procedural guidance is at your fingertips with the new edition of Schmidek & Sweet: Operative Neurosurgical Techniques! Completely revised under the auspices of new editor-chief Dr. Alfredo Quiñones-Hinojosa, this comprehensive medical reference examines indications, operative techniques, complications, and results for nearly every neurosurgical procedure. Full-color illustrations, 21 new chapters, internationally-acclaimed contributors, surgical videos, and online access make it a "must have" for today's practitioner. Hone your skills for virtually every routine and specialized procedure for brain, spinal, and peripheral nerve problems in adult patients. Review clinical information on image-guided technologies and infections. Easily understand and apply techniques with guidance from more than 1,600 full-color illustrations. Rely on the knowledge and experience of new editor-in-chief Dr. Alfredo Quiñones-Hinojosa and leading international authorities,

who offer multiple perspectives on neurosurgical challenges, from tried-and-true methods to the most current techniques. See exactly how to proceed with online surgical videos that guide you through each technique and procedure to ensure the best possible outcomes and results. Apply the latest techniques and knowledge in deep brain stimulation for epilepsy, movement disorders, dystonia, and psychiatric disorders; surgical management of blast injuries; invasive electrophysiology in functional neurosurgery; and interventional management of cerebral aneurysms and arterio-venous malformations. Take it with you anywhere! Access the full text, downloadable image library, video clips, and more at www.expertconsult.com. With 337 additional expert contributors. Get procedural guidance on the latest neurosurgical operative techniques from Schmidek & Sweet on your shelf, laptop and mobile device.

This book provides a practical guide to decision making in head and neck oncologic surgery. As new technology is introduced, there is increasing knowledge regarding the efficacy of traditional head and neck surgical therapies and how to select among these varied and complex approaches is becoming increasingly difficult. Concise easy to follow chapters are devoted to one or two specific questions or decisions in head and neck oncologic surgery, aiding the reader to develop their decision making skills. *Difficult Decisions in Head and Neck Oncologic Surgery* is a timely reference source for practicing surgeons, surgeons in training, and educators on the recommended ideal approaches in selected clinical situations.

Vascular malformations of the central nervous system are important pathologies that could present with abrupt onset hemorrhage resulting in devastating neurological deficits. Current knowledge of their biology and natural history is increasing. Diagnostic modalities help clinicians to better evaluate the individual cases, and to decide the best treatment options. Treatment alternatives are various and all treatment options should be evaluated before choosing the final therapeutic modality. The purpose of this book is to review the current knowledge about vascular malformations of the central nervous system and to evaluate the treatment alternatives.

Available as a single volume and as part of the three volume set, Volume One of Scott-Brown's Otorhinolaryngology, Head and Neck Surgery 8e covers Basic Sciences, Endocrine Surgery, and Rhinology. With over 100 chapters and complemented by clear illustrations, the content focuses on evidence-based practice. Clinical coverage is further enhanced by a clear well designed colour page format to ensure easy learning and the easy assimilation of the most up to date material. Definitive coverage in a single volume, with e-version access included.

This book is an up-to-date, well-referenced practical resource that offers detailed guidance on the avoidance and management of complications in patients treated for cerebrovascular and spinal vascular disease. All complication avoidance and management techniques currently available to the endovascular/cerebrovascular surgeon are reviewed by pioneers and leaders in the field to provide the clinician with an advanced single point of reference on the subject. The book is divided into four sections. It opens by discussing general issues, such as definition of complications, medicolegal aspects, the role of resident training, and checklists. The subsequent three sections address the avoidance and management of complications when performing surgical, endovascular,

and radiosurgical procedures, covering the full range of indications and potential adverse events. All chapters have a standardized format, simplifying the search for information on a specific disease process. Numerous intraoperative images are included, and, when appropriate, algorithms for the avoidance, early recognition, and management of complications are presented. Each chapter concludes with a checklist of preparatory steps and “emergency procedures” that each member of the team must perform in order to ensure the best possible outcomes.

This second edition presents core clinical neuroanesthesia and neurointensive care knowledge in a practical, user-friendly format. Fully revised and updated, the Handbook serves as a practical guide to endovascular methods and as a concise reference for neurovascular anatomy and published data about cerebrovascular disease from a neurointerventionalist’s perspective. Divided into three parts, the book covers: Fundamentals of neurovascular anatomy and basic angiographic techniques; Interventional Techniques and endovascular methods, along with useful device information and tips and tricks for daily practice; Specific Disease States, with essential clinical information about commonly encountered conditions. New features in the 2nd Edition include: Global Gems that illuminate aspects of the field outside the United States; Angio-anatomic and angio-pathologic image correlates; Newly released clinical study results influencing neurointerventional practice; Information on emerging technologies in this rapidly advancing field. The Handbook is a vital resource for all clinicians involved in neurointerventional practice, including radiologists, neurosurgeons, neurologists, cardiologists, and vascular surgeons.

This atlas details the vascular anatomy seen on angiographic images and in the new imaging modalities. The book presents the complete anatomy of the arteries, veins, and lymphatic system by body region. Full-color drawings are correlated with angiographic images to guide evaluation and management of vascular disease and performance of endovascular procedures. For this Second Edition, Dr. Uflacker has added more than 100 pictures and extensively reviewed the anatomical description of the vascular system. He has expanded the cardiac chapter with new CTA and MRI images, added percutaneous access where needed, and expanded the coverage of lower extremity anatomy.

Endocarditis remains an elusive challenge for clinicians to master. As the population ages and their comorbidities increase, the risk of infecting cardiac structures - both native and, the ever-increasing use of, prosthetic support technology - also increases. In addition, the global epidemic of intravenous substance abuse has also resulted in a substantial increase in the number of infected patients. Fortunately, advances in the diagnostic testing, imaging, and recognition of the importance of a multidisciplinary management team have also contributed to advances in the care of these critically ill patients. Nevertheless, optimal therapies need to be individualized and considered in the ever-increasing body of scientific literature on this complex and difficult problem. Part of the successful Requisites series, this best-selling title presents everything you need to know about diagnostic imaging of the most commonly encountered neurologic and head and neck conditions.....one book that covers brain, spine, head and neck with an engaging approach. --

This issue of Radiologic Clinics of North America focuses on Skull Base Imaging, and is edited by Dr. Nafi Aygun. Articles will

include: Overview of Expanded Endonasal Approaches to the Skull Base for Radiologists; Imaging of Paranasal Sinuses and Anterior Skull Base; Imaging of the Sella Turcica and Pituitary Gland; Imaging of Diplopia; Imaging of the Central Skull Base; Imaging of Vascular Compression Syndromes (Including Trigeminal Neuralgia and Hemifacial Spasm); Imaging of the Posterior Skull Base (Lower Cranial Nerves Excluding the 7th and 8th Nerves); Imaging Evaluation and Treatment of Vascular Lesions at the Skull Base; Perineural Spread of Tumor in the Skull Base; Advanced Imaging Techniques of the Skull Base; High Resolution Imaging of the Skull Base; Imaging of Cerebrospinal Fluid Rhinorrhea and Otorrhea, and more!

The focus of the book *Diagnostic Techniques and Surgical Management of Brain Tumors* is on describing the established and newly-arising techniques to diagnose central nervous system tumors, with a special focus on neuroimaging, followed by a discussion on the neurosurgical guidelines and techniques to manage and treat this disease. Each chapter in the *Diagnostic Techniques and Surgical Management of Brain Tumors* is authored by international experts with extensive experience in the areas covered.

Scott-Brown's *Otorhinolaryngology* is used the world over as the definitive reference for trainee ENT surgeons, audiologists and trainee head and neck surgeons, as well as specialists who need detailed, reliable and authoritative information on all aspects of ear, nose and throat disease and treatment. Key points: accompanied by a fully searchable electronic edition, making it more accessible, containing the same content as the print edition, with operative videos and references linked to Medline highly illustrated in colour throughout to aid understanding updated by an international team of editors and contributors evidence-based guidelines will help you in your clinical practice features include key points, best clinical practice guidelines, details of the search strategies used to prepare the material and suggestions for future research new Endocrine section. Scott-Brown will provide trainee surgeons (ENT and Head and Neck), audiologists and ENT physicians with quick access to relevant information about clinical conditions, and provide them with a starting point for further research. The accompanying electronic edition, enhanced with operative videos, will enable both easy reference and accessibility on the move.

This book aims to provide the trainee and practicing minimally invasive neurological therapist with a comprehensive understanding of the background science and theory that forms the foundation of their work. The contents are based on the tutorial teaching techniques used at the University of Oxford and are authored by the MSc Course Director. The tutorial is a learning episode focussed on a particular topic and intended to guide the student/reader through the background literature, to highlight the research on which standard practices are based and to provide the insights of an experienced practitioner. Each chapter of the book covers a different topic to build a complete review of the subspecialty, with in-depth discussion of all currently used techniques. The literature is reviewed and presented in context to illustrate

its importance to the practice of this rapidly expanding field of medical treatment.

Comprehensive, state-of-the-art review of the natural history, treatment, and outcomes of patients with vascular malformations of the brain and spine.

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. 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.

Embolization has been performed in many European countries and in North America for over 20 years and is now beginning to gain acceptance in other countries. At first, experience with these techniques was shared in the form of individual case reports; today some centers have treated enough patients to be able to transform this anecdotal material into more concrete data. For the last 10 of these 20 years, the two of us have been deeply involved, encouraged, and stimulated by the interest created by the few pioneers in endovascular techniques. In 1978, when we first met, our discussion on embolization could have been summarized as disagreement. It soon became obvious that these differences were primarily related to our different individual backgrounds. One of us having a strong orientation toward anatomy, and the other toward technique. We realized that these apparently opposing approaches complement each other and decided to combine them to our mutual benefit. This collaboration has matured into the search for improvements in patient care and for the safest, most reliable, and most responsible manner of treatment. Describes management of neuroendovascular complications, focusing on tips and tricks for 'bailout' procedures.

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