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Youmans Neurological Surgery E-Book Youmans Neurological Surgery Youmans Introduction to Neurosurgery Youmans Neurological Surgery Youmans Neurological Surgery Youmans Neurological Surgery Youmans Pediatric Neurosurgery ABSTRACTS OF PAPERS PRESENTED AT THE 6TH INTERNATIONAL CONGRESS OF NEUROLOGICAL SURGERY. Youmans Neurological Surgery: Introduction to neurological surgery Neurological Surgery Schmidek and Sweet: Operative Neurosurgical Techniques E-Book The Little Black Book of Neurology E-Book Handbook of Neurosurgery Schmidek and Sweet: Operative Neurosurgical Techniques 2-Volume Set Intensive Neurosurgery Board Review Youmans and Winn Neurological Surgery Clinical Practice of Neurological and Neurosurgical Nursing Endoscopic Neurological Surgery Youmans and Winn Neurological Surgery Principles of Neurological Surgery Principles of Neurological Surgery E-Book When Breath Becomes Air Stroke Oxford Textbook of Neurological Surgery Neurological Examination Made Easy Sixth International Congress of Neurological Surgery, Sao Paulo, Brazil, 19-25 June, 1977 Advances in Stereotactic and Functional Neurosurgery 6 Neurology and Neurosurgery Illustrated E-Book Comprehensive Guide to Neurosurgical Conditions Comprehensive Neurosurgery Board Review Cottrell and Young's Neuroanesthesia Proceedings of the 6th European Congress of Neurosurgery Comprehensive Neurosurgery Pediatric Neurosurgery for Clinicians Nerves and Nerve Injuries Neurosurgery for Spasticity Current Catalog National Library of Medicine Current Catalog New Trends in Craniovertebral Junction Surgery Modern Neurosurgery and Neuroanatomy

The first of the four volumes introduces approaches to the patient, radiology fundamentals, perioperative evaluation and treatment, and surgical exposures and positioning; and it covers oncology. The second volume covers vascular disease and malformations, and epilepsy; the third, functional neurosurgery, pain, and pediatric issues; and the fourth, the peripheral nerve, radiation therapy and radiosurgery, the spine, and trauma. Basic science, in most cases, is represented in its own chapter in each section, so as to make the rest of the section chapters more clinical in focus. Rev. ed. of: Principles of neurosurgery / edited by Setti S. Rengachary, Richard G. Ellenbogen. 2nd ed. 2005. Offered in print, online, and downloadable formats, this updated edition of Stroke: Pathophysiology, Diagnosis, and Management delivers convenient access to the latest research findings and management approaches for cerebrovascular disease. Picking up from where J. P. Mohr and colleagues left off, a new team of editors - Drs. Grotta, Albers, Broderick, Kasner, Lo, Mendelow, Sacco, and Wong - head the sixth edition of this classic text, which is authored by the world's foremost stroke experts. Comprehensive, expert clinical guidance enables you to recognize the clinical manifestations of stroke, use the latest laboratory and imaging studies to arrive at a diagnosis, and generate an effective medical and surgical treatment plan. Abundant full-color CT images and pathology slides help you make efficient and accurate diagnoses. Data from late-breaking endovascular trials equips you with recent findings. Includes comprehensive coverage of advances in molecular biology of cell death; risk factors and prevention; advances in diagnostics and stroke imaging; and therapeutic options, including a thorough review of thrombolytic agents and emerging data for endovascular therapy. Features brand-new chapters on Intracellular Signaling: Mediators and Protective Responses; The Neurovascular Unit and Responses to Ischemia; Mechanisms of Cerebral

Hemorrhage; Stroke Related to Surgery and Other Procedures; Cryptogenic Stroke; and Interventions to Improve Recovery after Stroke. Highlights new information on genetic risk factors; primary prevention of stroke; infectious diseases and stroke; recovery interventions such as robotics, brain stimulation, and telerehabilitation; and trial design. Details advances in diagnostic tests, such as ultrasound, computed tomography (including CT angiography and CT perfusion), MRI (including MR perfusion techniques), and angiography. Includes extracted and highlighted evidence levels. Expert Consult eBook version included with print purchase. This enhanced eBook experience allows you to search all of the text, figures, and references on a variety of devices. The content can also be downloaded to tablets and smart phones for offline use. Combat stroke with the most comprehensive and updated multimedia resource on the pathophysiology, diagnosis, and management of stroke from leaders in the field

Local interstitial radiation therapy of intrinsic and inaccessible brain tumors is confronted with two major problems: 1. The tolerance of normal brain tissue, which is usually involved in local tumor irradiation, i.e. perifocal white matter edema and demyelinating effects, is crucial. 2. Data on radiation effects of implanted radioactive sources on neoplastic tissue, i.e. data on the radiosensitivity and on the biology of tumors, are still widely unavailable. In clinical practice the dose with which to achieve a given volume of tumor necrosis is roughly estimated. This report deals with the experimental findings of Iodine-125 and Iridium-192 permanent implants in healthy and neoplastic brain tissue. Our own experimental findings are correlated with experimental data on Yttrium-90 irradiation from the literature. The study is directed to collect data on the tolerance non-tumoral brain tissue and to attempt to establish a dose-response relationship.

Morphologic Changes in the Dog Brain Following Interstitial Iodine-125 Irradiation Iodine-125 seeds (manufactured by 3 M Company, St. Paul, M. N.) with an activity of 3.55 mCi were permanently implanted under stereotactic conditions into the subcortical white matter of the gyrus coronalis of the left hemisphere in 6 beagle dogs. One animal with a non-radioactive seed implanted under similar operative conditions served as a control. The animals were allowed to survive 25, 46, 71, 94, 248, 368 days, respectively, after the implantation. The control animal survived 46 days. A detailed description of the experimental procedure is given elsewhere

16. Effectively perform today's most state-of-the-art neurosurgical procedures with Youmans Neurological Surgery, 6th Edition, edited by H. Richard Winn, MD. Still the cornerstone of unquestioned guidance on surgery of the nervous system, the new edition updates you on the most exciting developments in this ever-changing field. In print and online, it provides all the cutting-edge details you need to know about functional and restorative neurosurgery (FRN)/deep brain stimulation (DBS), stem cell biology, radiological and nuclear imaging, neuro-oncology, and much more. And with nearly 100 intraoperative videos online at www.expertconsult.com, as well as thousands of full-color illustrations, this comprehensive, multimedia, 4-volume set remains the clinical neurosurgery reference you need to manage and avoid complications, overcome challenges, and maximize patient outcomes. Overcome any clinical challenge with this comprehensive and up-to-date neurosurgical reference, and ensure the best outcomes for your patients. Rely on this single source for convenient access to the definitive answers you need in your practice. Successfully perform functional and restorative neurosurgery (FRN) with expert guidance on the diagnostic aspects, medical therapy, and cutting-edge approaches shown effective in the treatment of tremor, Parkinson's disease, dystonia, and psychiatric disorders. Sharpen your neurosurgical expertise with updated and enhanced coverage of complication avoidance and intracranial pressure monitoring, epilepsy, neuro-oncology, pain, peripheral nerve surgery, radiosurgery/radiation therapy, and much more. Master new techniques with nearly 100 surgical videos online of intraoperative procedures including endoscopic techniques for spine and peripheral nerve surgery, the surgical resection for spinal cord hemangiomas, the resection of a giant AVM; and the radiosurgical and interventional therapy for vascular lesions and tumors. Confidently perform surgical techniques with access to full-color anatomic and surgical line drawings in this totally revised illustration program. Get fresh perspectives from new section editors and authors who are all respected international authorities in their respective neurosurgery specialties. Conveniently search the complete text online, view all of the

videos, follow links to PubMed, and download all images at www.expertconsult.com. Nerves and Nerve Injuries is the first comprehensive work devoted to the nerves of the body. An indispensable work for anyone studying the nerves or treating patients with nerve injuries, these books will become the 'go to' resource in the field. The nerves are treated in a systematic manner, discussing details such as their anatomy (both macro- and microscopic), physiology, examination (physical and imaging), pathology, and clinical and surgical interventions. The authors contributing their expertise are international experts on the subject. The books cover topics from detailed nerve anatomy and embryology to cutting-edge knowledge related to treatment, disease and mathematical modeling of the nerves. Nerves and Nerve Injuries Volume 1 focuses on the history of nerves, embryology, anatomy, imaging, and diagnostics. This volume provides a greatly detailed overview of the anatomy of the peripheral and cranial nerves as well as comprehensive details of imaging modalities and diagnostic tests. Detailed anatomy of the peripheral and cranial nerves including their history and ultrastructure Comprehensive details of the imaging modalities and diagnostic tests used for viewing and investigating the nerves Authored by leaders in the field around the globe - the broadest, most expert coverage available Effectively perform today's most state-of-the-art neurosurgical procedures with Youmans Neurological Surgery, 6th Edition, edited by H. Richard Winn, MD. Still the cornerstone of unquestioned guidance on surgery of the nervous system, the new edition updates you on the most exciting developments in this ever-changing field. In print and online, it provides all the cutting-edge details you need to know about functional and restorative neurosurgery (FRN)/deep brain stimulation (DBS), stem cell biology, radiological and nuclear imaging, neuro-oncology, and much more. And with nearly 100 intraoperative videos online at www.expertconsult.com, as well as thousands of full-color illustrations, this comprehensive, multimedia, 4-volume set remains the clinical neurosurgery reference you need to manage and avoid complications, overcome challenges, and maximize patient outcomes. Overcome any clinical challenge with this comprehensive and up-to-date neurosurgical reference, and ensure the best outcomes for your patients. Rely on this single source for convenient access to the definitive answers you need in your practice. Successfully perform functional and restorative neurosurgery (FRN) with expert guidance on the diagnostic aspects, medical therapy, and cutting-edge approaches shown effective in the treatment of tremor, Parkinson's disease, dystonia, and psychiatric disorders. Sharpen your neurosurgical expertise with updated and enhanced coverage of complication avoidance and intracranial pressure monitoring, epilepsy, neuro-oncology, pain, peripheral nerve surgery, radiosurgery/radiation therapy, and much more. Master new techniques with nearly 100 surgical videos online of intraoperative procedures including endoscopic techniques for spine and peripheral nerve surgery, the surgical resection for spinal cord hemangiomas, the resection of a giant AVM; and the radiosurgical and interventional therapy for vascular lesions and tumors. Confidently perform surgical techniques with access to full-color anatomic and surgical line drawings in this totally revised illustration program. Get fresh perspectives from new section editors and authors who are all respected international authorities in their respective neurosurgery specialties. Conveniently search the complete text online, view all of the videos, follow links to PubMed, and download all images at www.expertconsult.com. Youmans is "the" neurosurgical reference. It covers the entirety of the specialty and the editors and authors are unparalleled in their experience and expertise. Youmans Pediatric Neurosurgery, authored by world-class pediatric neurosurgeons under the leadership of Michael Scott MD, Tae Sung Park MD, Saadi Ghatan MD, and H. Richard Winn MD, is a one-of-a-kind eBook covering all aspects of pediatric neurosurgery. Derived from Youmans Neurological Surgery, 6th Edition - characterized by JAMA as the Bible of Neurosurgery" - this 56-chapter eBook includes high-quality illustrations, photos, and videos, providing all the information needed to optimally care for pediatric neurosurgical patients. A must-have for every pediatric neurosurgeon's mobile device! Pin Code to the Expert Consult eBook version included within this retail pack purchase. Compatible with PC, Mac(R), most mobile devices, and eReaders, Expert Consult allows you to browse, search, and interact with the entire content of this textbook - online and offline. Youmans Introduction to Neurosurgery: The Fundamentals, authored and edited by

world-class scientists, neurologists, and neurosurgeons under the leadership of H. Richard Winn MD, is a one-of-a-kind eBook presenting practical patient information alongside fundamental science. Derived from Youmans Neurological Surgery, 6th Edition-characterized by JAMA as the Bible of Neurosurgery"- this 54-chapter eBook includes high-quality illustrations, photos, and videos, providing all readers with the background information necessary to make rational clinical decisions for optimal neurosurgical care. A must-have for every neurosurgeon's mobile device! Pin Code to the Expert Consult eBook version included within this retail pack purchase. Compatible with PC, Mac(R), most mobile devices, and eReaders, Expert Consult allows you to browse, search, and interact with the entire content of this textbook - online and offline. THE NEW YORK TIMES NUMBER ONE BESTSELLER THE SUNDAY TIMES NUMBER ONE BESTSELLER 'Finishing this book and then forgetting about it is simply not an option...Unmissable' New York Times At the age of thirty-six, on the verge of completing a decade's training as a neurosurgeon, Paul Kalanithi was diagnosed with inoperable lung cancer. One day he was a doctor treating the dying, the next he was a patient struggling to live. When Breath Becomes Air chronicles Kalanithi's transformation from a medical student asking what makes a virtuous and meaningful life into a neurosurgeon working in the core of human identity - the brain - and finally into a patient and a new father. What makes life worth living in the face of death? What do you do when when life is catastrophically interrupted? What does it mean to have a child as your own life fades away? Paul Kalanithi died while working on this profoundly moving book, yet his words live on as a guide to us all. When Breath Becomes Air is a life-affirming reflection on facing our mortality and on the relationship between doctor and patient, from a gifted writer who became both. Widely known and well-respected, The Little Black Book of Neurology has been a thorough yet portable reference in this complex field for more than 30 years, presenting definitions, classifications, and guidance on diagnosis and management for a wide range of neurological disorders. The 6th Edition offers updated and expanded coverage of neuropharmacology and neuroimaging - plus a new, more user-friendly, fast-access format that makes the book ideal for quick clinical consultation or as a refresher for the Boards. Presents a comprehensive, yet concise, "all-in-one" introduction to neurology in a portable, alphabetical format - now newly structured to make reference faster and easier than ever. Enables you to access critical guidance at a glance with new tables of differential diagnosis, patient evaluation, and treatment options. Covers many new topics including significantly expanded sections on sleep, neuromuscular disorders, and critical care. Includes four new appendices: Neurocritical Emergencies • Therapeutic Care • AAN Guideline Summaries • and Scales - highlighting evidence-based guidelines when available, enabling you to make more informed clinical judgments. Offers updated and expanded coverage of neuropharmacology and neuroimaging. Praise for the previous edition:An excellent review for the written neurosurgical boards...recommended to all neurosurgery residents.--Journal of NeurosurgeryThe second edition of Comprehensive Neurosurgery Board Review contains all the information you need to prepare for the American Board of Neurological Surgery (ABNS) written examination. Authored by a team of expert clinicians and neurosurgery trainees who earned top scores on their exams, this edition distills the current knowledge of the neurosciences and essential information for clinical practice. Six chapters provide comprehensive coverage of core concepts in anatomy, physiology, pathology, radiology, neurology, neurosurgery, and critical care. Features of the second edition: Concise descriptions aid rapid review of key concepts Bullet-point format enhances ease of use and facilitates comprehension Up-to-date coverage of classic symptoms and signs of common neurosurgical diseases Current information related to the genetic basis of neurosurgical conditions 450 high-quality illustrations and images typical of those appearing on exams This superb review is an indispensable resource for neurosurgical residents preparing for the ABNS certification exam. It is also ideal for clinicians seeking a refresher or for those preparing for recertification exams. This issue of Acta Neurochirurgica presents the latest surgical and experimental approaches to the craniocervical junction (CVJ). It discusses anterior midline (transoral transnasal), posterior (CVJ craniectomy laminectomy, laminotomy, instrumentation and fusion), posterolateral (far lateral) and anterolateral (extreme lateral) approaches using

state-of-the-art supporting tools. It especially highlights open surgery, microsurgical techniques, neuronavigation, the O-arm system, intraoperative MR, neuromonitoring and endoscopy. Endoscopy represents a useful complement to the standard microsurgical approach to the anterior CVJ: it can be used transnasally, transorally and transcervically; and it provides information for better decompression without the need for soft palate splitting, hard palate resection, or extended maxillotomy. While neuronavigation allows improved orientation in the surgical field, intraoperative fluoroscopy helps to recognize residual compression. Under normal anatomic conditions, there are virtually no surgical limitations to endoscopically assisted CVJ and this issue provides valuable information for the new generation of surgeons involved in this complex and challenging field of neurosurgery. The book, in its second edition, is devoted to the neurosurgical management of spasticity and focal dystonia. Starting with a chapter on the anatomical and physiological bases of spasticity and a short history of its neurosurgical treatment, it describes the neurosurgical methods currently available. As management differs between adults and children, the book is also structured accordingly, including evaluation, decision-making, Intrathecal Baclofen therapy (ITB), Botulinum toxin therapy and Surgery. The large spectrum of scales for assessing hypertonia, spasticity, dystonia, contracture and joint/bone deformities, as well as the scoring systems for quantifying functional abilities are critically reviewed. Beyond ITB, the neurosurgical options covered include the microsurgical procedures focusing on the peripheral nerves, dorsal roots, Dorsal Root Entry Zone and spinal cord, and their intra-operative monitoring. In this second edition, the orthopedic surgical interventions available will take a large place, either as alternative solutions, or even better as important complements after spasticity be solved by the neurosurgical treatments. Based on surgical experience collected with more than a thousand and eight-hundred patients, the book gathers the most important aspects of our present understanding, presented using a practical, educational approach. It stresses the importance of a multidisciplinary approach, including neurologists, pediatricians and rehabilitation specialists. Close collaborations with other surgical disciplines like orthopedic surgery and neuro-urology are outlined. Cottrell's Neuroanesthesia 5th Edition, edited by James E. Cottrell, MD, FRCA and William L. Young, MD, delivers the complete and authoritative guidance you need to ensure optimal perioperative safety for neurosurgical patients. Integrating current scientific principles with the newest clinical applications, it not only explains what to do under any set of circumstances but also why to do it and how to avoid complications. Comprehensive updates reflect all of the latest developments in neurosurgical anesthesia, and contributions from many new experts provide fresh insights into overcoming tough clinical challenges. New co-editor William L. Young, MD joins James E. Cottrell, MD, FRCA at the book's editorial helm, providing additional, complementary expertise and further enhancing the book's authority. New chapters keep you current on interventional neuroradiology, anesthetic management of patients with arteriovenous malformations and aneurysms, awake craniotomy, epilepsy, minimally invasive and robotic surgery, and pregnancy and neurologic disease. Comprehensive updates reflect all of the latest developments in neurosurgical anesthesia, and contributions from many new experts provide fresh insights into overcoming tough clinical challenges. Comprehensive and broad coverage of all important aspects of neuroanesthesia, including special patient populations, enables you to find reliable answers to any clinical question. Chapters written by neurointensivists, neurosurgeons, and radiologists provide well-rounded perspectives on each topic. A consistent, logical organization to every chapter makes answers easy to find quickly. Clear conceptual illustrations make complex concepts easier to understand at a glance. Principles of Neurosurgery, by Drs. Richard G. Ellenbogen, Saleem I. Abdulrauf and Laligam N Sekhar, provides a broad overview of neurosurgery ideal for anyone considering or training in this specialty. From general principles to specific techniques, it equips you with the perspectives and skills you need to succeed. Comprehensive without being encyclopedic, this new edition familiarizes you with the latest advances in the field—neuroimaging, the medical and surgical treatment of epilepsy, minimally invasive techniques, and new techniques in position and incisions—and shows you how to perform key procedures via an online library of surgical videos at www.expertconsult.com. No other source does such an effective job of preparing

you for this challenging field! Get comprehensive coverage of neurosurgery, including pre- and post-operative patient care, neuroradiology, pediatric neurosurgery, neurovascular surgery, trauma surgery, spine surgery, oncology, pituitary adenomas, cranial base neurosurgery, image-guided neurosurgery, treatment of pain, epilepsy surgery, and much more. Gain a clear visual understanding from over 1,200 outstanding illustrations—half in full color—including many superb clinical and operative photographs, surgical line drawings, and at-a-glance tables. Apply best practices in neuroimaging techniques, minimally invasive surgery, epilepsy surgery, and pediatric neurosurgery. Master key procedures by watching experts perform them in a video library online at www.expertconsult.com, where you can also access the fully searchable text, an image gallery, and links to PubMed. Keep up with recent advances in neurosurgery with fully revised content covering neuroimaging, the medical and surgical treatment of epilepsy, minimally invasive techniques, new techniques in position and incisions, deep brain stimulation, cerebral revascularization, and treatment strategies for traumatic brain injury in soldiers. Apply the latest guidance from new chapters on Cerebral Revascularization, Principles of Modern Neuroimaging, Principles of Operative Positioning, Pediatric Stroke and Moya-Moya, Anomalies of Craniovertebral Junction, and Degenerative Spine Disease. Tap into truly global perspectives with an international team of contributors led by Drs. Richard G. Ellenbogen and Saleem I. Abdulrauf. Find information quickly and easily thanks to a full-color layout and numerous detailed illustrations. This book presents a detailed overview of a spectrum of pediatric neurosurgical conditions. It features detailed insight into the techniques available for examining abnormalities, hemorrhages and a variety of tumors. Relevant surgical methodologies are described in relation to a clinical problem or disorder, ensuring that the reader can systematically develop their knowledge of how to perform both routine and more-obscure procedures presently utilized to treat these conditions. Pediatric Neurosurgery for Clinicians is a comprehensive guide detailing methodologies for applying a range of surgical techniques based upon a range of clinical questions. Therefore, it is a critical resource for all practicing and trainee physicians who encounter children with disorders affecting their neurological systems in disciplines within neurosurgery, neurology, radiology, oncology and pathology. Introducing Comprehensive Neurosurgery with 118 chapters organized into 8 sections in two volumes and each section has been reviewed by eminent neurosurgeons. This book is meant to serve as a comprehensive guide for Neurosurgical trainees, young Neurosurgeons and those in allied disciplines who participate in neurological care. Volume 2 deals with pathology and management of tumours, increasing interest in degenerative spine in addition to spinal cord lesions and the emerging specialty, restorative neurology. This book intends to be a guide to trainees, young neurosurgeons and those in allied disciplines. Wide spectrum of neurosurgical disorders are covered with 118 chapters organized into 8 sections and 2 volumes; each of the eight sections has been critically reviewed by eminent surgeons. Each chapter specifically attempts to draw together all up-to-date relevant information and integrate theory and practice for a comprehensive learning. The concise and practical style is deliberately chosen for easy use. Comprehensive Neurosurgery is the medical specialty concerned with the prevention, diagnosis, treatment and rehabilitation of disorders which affect the spine, the brain, and the nervous system within the head and cervical canal. Comprehensive Neurosurgery can be broadly categorized into two categories, namely surgical neurosurgery, concerned with the operative treatment of disease, and non-surgical neurosurgery, concerned with the management and rehabilitation of patients with acquired brain insults. Neurosurgery is a surgical specialty that deals with the human nervous system. It is both an operating room procedure and a diagnostic procedure. The procedure of neurosurgery deals with the brain, spinal cord and peripheral nerves. Some of the operations of neurosurgery that you can find in this blog are pituitary tumor surgery, brain tumor surgery and the craniotomy procedure. Besides the surgical operations, Comprehensive Neurosurgery also deals with diagnostic procedures like the myelogram, spinal taps, brain biopsy and the EEG test. Each chapter specifically attempts to draw together all up-to-date relevant information and integrate theory and practice for a comprehensive learning in a concise and practical style. Effectively perform today's most state-of-the-art neurosurgical procedures with this 6th

Edition, edited by H. Richard Winn, MD. A guidance on surgery of the nervous system, the new edition updates you on the most exciting developments in this ever-changing field. In print, it provides all the cutting-edge details you need to know about functional and restorative neurosurgery (FRN)/deep brain stimulation (DBS), stem cell biology, radiological and nuclear imaging, neuro-oncology, and much more. Sharpen your neurosurgical expertise with updated and enhanced coverage of complication avoidance and intracranial pressure monitoring, epilepsy, neuro-oncology, pain, peripheral nerve surgery, radiosurgery/radiation therapy, and much more. It covers the entirety of the specialty and the editors and authors are unparalleled in their experience and expertise. Dramatically updated to reflect recent advances in the basic and clinical neurosciences, Youmans and Winn Neurological Surgery, 7th Edition remains your reference of choice for authoritative guidance on surgery of the nervous system. Four comprehensive volumes thoroughly cover all you need to know about functional and restorative neurosurgery, (FRN)/deep brain stimulation (DBS), stem cell biology, radiological and nuclear imaging, and neuro-oncology, as well as minimally-invasive surgeries in spine and peripheral nerve surgery, endoscopic and other approaches for cranial procedures and cerebrovascular diseases. Seventy new chapters, an expanded video library, and revised content throughout help you master new procedures, new technologies, and essential anatomic knowledge. This unparalleled multimedia resource covers the entire specialty with the unquestioned guidance you've come to expect from the "Bible of neurological surgery." Widely regarded as the definitive reference in the field, Youmans and Winn Neurological Surgery offers unparalleled, multimedia coverage of the entirety of this complex specialty. Fully updated to reflect recent advances in the basic and clinical neurosciences, the 8th Edition covers everything you need to know about functional and restorative neurosurgery, deep brain stimulation, stem cell biology, radiological and nuclear imaging, and neuro-oncology, as well as minimally invasive surgeries in spine and peripheral nerve surgery, and endoscopic and other approaches for cranial procedures and cerebrovascular diseases. In four comprehensive volumes, Dr. H. Richard Winn and his expert team of editors and authors provide updated content, a significantly expanded video library, and hundreds of new video lectures that help you master new procedures, new technologies, and essential anatomic knowledge in neurosurgery. Discusses current topics such as diffusion tensor imaging, brain and spine robotic surgery, augmented reality as an aid in neurosurgery, AI and big data in neurosurgery, and neuroimaging in stereotactic functional neurosurgery. 55 new chapters provide cutting-edge information on Surgical Anatomy of the Spine, Precision Medicine in Neurosurgery, The Geriatric Patient, Neuroanesthesia During Pregnancy, Laser Interstitial Thermal Therapy for Epilepsy, Fetal Surgery for Myelomeningocele, Rehabilitation of Acute Spinal Cord Injury, Surgical Considerations for Patients with Polytrauma, Endovascular Approaches to Intracranial Aneurysms, and much more. Hundreds of all-new video lectures clarify key concepts in techniques, cases, and surgical management and evaluation. Notable lecture videos include multiple videos on Thalamotomy for Focal Hand Dystonia and a video to accompany a new chapter on the Basic Science of Brain Metastases. An extensive video library contains stunning anatomy videos and videos demonstrating intraoperative procedures with more than 800 videos in all. Each clinical section contains chapters on technology specific to a clinical area. Each section contains a chapter providing an overview from experienced Section Editors, including a report on ongoing controversies within that subspecialty. "An essential review for residents across neurological disciplines, the chapters are organized into groups of questions covering neurobiology, neuroanatomy, clinical neurology, neuropathology, neuroradiology, neurosurgery, and critical care. Written and edited by neurosurgery residents who have passed the boards, the book works as an effective stand-alone review book or used in conjunction with The Definitive Neurological Surgery Board Review. Featuring hundreds of high-quality figures as well as high-yield tables, this essential review book concludes with a 300-question multidisciplinary self-assessment examination."--BOOK JACKET. Effectively perform today's most state-of-the-art neurosurgical procedures with Youmans Neurological Surgery, 6th Edition, edited by H. Richard Winn, MD. Still the cornerstone of unquestioned guidance on surgery of the nervous system, the new edition updates you on the most exciting developments in this ever-changing

field. In print and online, it provides all the cutting-edge details you need to know about functional and restorative neurosurgery (FRN)/deep brain stimulation (DBS), stem cell biology, radiological and nuclear imaging, neuro-oncology, and much more. And with nearly 100 intraope. Intended for student use, this text acts as an introduction to the basics of neurological examination. Included are sections covering the cranial nerves, motor systems, sensation, co-ordination, abnormal movement and how to deal with the unconscious patient. The new Sixth Edition of this award-winning classic prepares its users for delivering expert care in this most challenging nursing specialty. It addresses neuroanatomy, assessment, diagnostic evaluation, and management of the complete range of neurological disorders for which nurses provide patient care, including trauma, stroke, tumors, seizures, headache, aneurysms, infections, degenerative disorders, and peripheral neuropathies. This edition has been thoroughly revised to reflect standards of care based on evidence-based practice. It now includes case studies, community nursing sections throughout, and increased coverage of normal pressure hydrocephalus, inflammatory demyelinating polyneuropathy, and Creutzfeldt-Jacob disease. Schmidek and Sweet has been an indispensable reference for neurosurgery training and practice for nearly 50 years, and the 7th Edition of Operative Neurosurgical Techniques continues this tradition of excellence. A new editorial board led by editor-in-chief Dr. Alfredo Quinones-Hinojosa, along with more than 330 internationally acclaimed contributors, ensures that readers stay fully up to date with rapid changes in the field. New chapters, surgical videos, and quick-reference features throughout make this edition a must-have resource for expert procedural guidance for today's practitioners. Discusses indications, operative techniques, complications, and results for nearly every routine and specialized procedure for brain, spinal, and peripheral nerve problems in adult patients. Covers 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. Includes new chapters on bypass techniques in vascular disease, previously coiled aneurysms, CSF diversion procedures, surgical management of posterior fossa cystic and membranous obstruction, laser-ablation techniques, and brain stem tumors. Explores hot topics such as wide-awake surgery and ventriculo-peritoneal, ventriculoatrial and ventriculo-pleural shunts. Provides detailed visual guidance with more than 1,600 full-color illustrations and 50 procedural videos. Contains quick-reference boxes with surgical pearls and complications. Enhanced eBook version included with purchase. Your enhanced eBook allows you to access all of the text, figures, and references from the book on a variety of devices. Neuroendoscopy is a minimally-invasive surgical procedure whereby a neurosurgeon removes a tumour or cyst through small holes in the skull or through the mouth or nose. Neuroendoscopy enables neurosurgeons to access areas of the brain that cannot be reached by traditional surgery. This book is a guide to endoscopic neurological surgery procedures for neurosurgeons. Divided into sixteen sections, the text begins with an overview of the history of neuroendoscopy, endoscopic ventricular anatomy, endoscopes and instrumentation, and approaches to the ventricular system. The following chapters cover surgical techniques for different conditions. Each topic is divided into two parts with a current literature review and a "how to" section detailing the technique as a step by step process. The book concludes with discussion on risks and complications. Authored by a recognised, Texas-based expert in the field, the comprehensive text is further enhanced by clinical and surgical photographs and illustrations. Key points Comprehensive guide to endoscopic neurological surgery techniques Topics provide "how to" guidance on the procedure and current literature reviews Authored by internationally recognised expert in the field Highly illustrated with clinical and surgical photographs Youmans Neurological Surgery: Brain, Spine, and Peripheral Nerve Trauma in Adults and Children, authored and edited by world-class clinicians and scientists under the leadership of H. Richard Winn MD, is a one-of-a-kind eBook presenting patient information alongside fundamental science. Derived from Youmans Neurological Surgery, 6th Edition-characterized by JAMA as "the Bible of Neurosurgery"-this 51-chapter eBook includes high-quality illustrations, photos, and videos, enabling rational clinical decision-making for the evaluation and treatment of

neurotrauma victims. A must-have for every trauma surgeon's and neurosurgeon's mobile device! Pin Code to the Expert Consult eBook version included within this retail?pack?purchase. Compatible with PC, Mac?, most mobile devices, and eReaders, Expert Consult allows you to browse, search, and interact with the entire content of this textbook - online?"and"?offline. 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. New edition of a highly successful illustrated guide to neurology and neurosurgery for medical students and junior doctors. • Comprehensive guide to neurology and neurosurgery for medical students and junior doctors - competing books do not cover both areas. • Graphic approach to the subject - concise text is arranged around clear and memorable line diagrams. Readers find this approach accessible and easy to learn form. • Clarifies a subject area which students tend to find difficult and forbidding. Updated and revised in all areas where there have been developments in understanding of neurological disease and in neurological and neurosurgical management. This revision has also incorporated current guidelines, particularly recommendations from National Institute for Health and Clinical Excellence (NICE). First multi-year cumulation covers six years: 1965-70. Neurosurgery is a rapidly developing and technically demanding branch of surgery that requires a detailed knowledge of the basic neuro-sciences and a thorough clinical approach. The Oxford Textbook of Neurological Surgery is an up-to-date, objective and readable text that covers the full scope of neurosurgical practice. It is part of the Oxford Textbooks in Surgery series, edited by Professor Sir Peter Morris. The book is split into 20 overarching sections (Principles of Neurosurgery, Neuro-oncology of Intrinsic Tumours; Extra-axial Tumours and Skull Lesions; Cerebro-Pontine Angle Tumours; Sellar and Supra-Sellar Tumours; Posterior Fossa Tumours; Pineal tumours; Uncommon Tumours and Tumour Syndromes; Neurotrauma and Intensive Care; Vascular Neurosurgery; Principles of Spinal Surgery; Spinal Pathology; Spinal Trauma; Peripheral Nerve Surgery; Functional Neurosurgery; Epilepsy; Paediatric Neurosurgery; Neurosurgery for Cerebrospinal Fluid Disorders and Neurosurgical Infection). Each section takes a dual approach with, 'Generic Surgical Management' chapters that focus on specific clinical problems facing the neurosurgeon (e.g. sellar/supra-sellar tumour, Intradural Spina Tumours etc.) and 'Pathology-Specific' chapters (e.g. Glioma, Meningeal Tumours, Scoliosis and Spinal Deformity, Aneurysm etc.). Where appropriate, this division provides the reader with easily accessible information for both clinical problems which present in a regional fashion and specific pathologies. The generic chapters cover aspects such as operative approaches, neuroanatomy and nuances. Specifically each chapter in the book incorporates several strands. Firstly the fundamental neuroscience (anatomy, pathology, genetics etc.) that underlies the clinical practice. Secondly, a review of the requisite clinical investigations (e.g. angiography, electrodiagnostics, radiology). Thirdly, a thorough evidence based review of clinical practice.

Following this a consideration of the key debates and controversies in the field with 'pro-' and 'con-' sections (e.g. minimally invasive spine surgery, microsurgical treatment of aneurysms) is provided. A summary of the key papers and clinical scales relevant to neurosurgery form the concluding part. The book is a 'one-stop' text for trainees and consultants in neurosurgery, residents, those preparing for sub-specialty exams and other professionals allied to surgery who need to gain an understanding of the field. It acts as both a point of reference to provide a focussed refresher for the experienced neurosurgeon as well as a trusted training resource. Organized by the European Association of Neurosurgical Societies, Paris, July 15-20, 1979 Patients with neurosurgical conditions are almost always referred from either primary care physicians, neurologists, internist or a specialist in family medicine. This guide will answer commonly asked questions about common neurosurgical conditions related to brain and spinal cord, in an attempt to fill in the gap and answer numerous questions that arises after a diagnosis is made on the loved ones. There are over 1500 academic and private hospitals in USA who have dedicated tertiary Neurosurgery services and cater millions of people in need, in addition to numerous centers that have level I and II trauma care. We aim to reach these centers and the families of the patients undergoing neurosurgical procedures. This book has been specially written and illustrated for families of patients undergoing neurosurgical procedures. It is straightforward, with non-technical language explaining the basics of neurosurgical diseases and their management including legal, ethical and financial issues.

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