Advances And Technical Standards In Neurosurgery Vol 38

Advances and Technical Standards in Neurosurgery Vol. 30Advances and Technical Standards in NeurosurgeryExplicative Cases of Controversial Issues in NeurosurgeryAdvances and Technical Standards in Neurosurgery, Vol. 31Advances and Technical Standards in NeurosurgerySchmidek and Sweet: Operative Neurosurgical Techniques 2–Volume SetAdvances and Technical Standards in NeurosurgeryColor Atlas of Microneurosurgery: Volume 2 – Cerebrovascular LesionsAdvances and Technical Standards in Neurosurgery Vol. 32Advances and Technical Standards in NeurosurgeryAdvances and Technical Standards in NeurosurgeryAdvances and Technical Standards in NeurosurgeryKempe's Operative Neurosurgery, Vol. 33Keyhole Approaches in NeurosurgeryAdvances and Technical Standards in NeurosurgeryKempe's Operative Neurosurgery. Volume One and TwoMeningiomasClinical Anesthesia in NeurosurgeryAdvances and Technical Standards in Neurosurgery Nejat Akalan John D. Pickard Francesco Signorelli Concezio Di Rocco Alfredo Quinones—Hinojosa, MD, FAANS, FACS John D. Pickard Robert F. Spetzler Nejat Akalan L. Symon H. Krayenbühl Nejat Akalan Axel Perneczky L. Symon Michael Salcman, M.D. Daniel Monleon Elizabeth A. M. Frost Concezio Di Rocco Concezio Di Rocco Hugo Krayenbühl

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the latest in this already classic series presents recent progress and detailed descriptions of standard procedures to assist young neurosurgeons in their post graduate training with contributions from experienced european and american clinicians

this series sponsored by the european association of neurosurgical societies has already become a classic in general one volume is published per year the advances section presents fields of neurosurgery and related areas in which important recent progress has been made the technical standards section features detailed descriptions of standard procedures to assist young neurosurgeons in their post graduate training the contributions are written by experienced clinicians and are reviewed by all members of the editorial board

neurosurgery is a rapidly developing field of medicine therefore staying keeping track of the advancements in the field is paramount for trainees as well as fully trained neurosurgeons this book fully available online is a part of our effort of improving availability of medical information for anyone who needs to keep up to date

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this volume maintains the structure of previous atsn series volumes offering a balanced distribution of chapters that cover recent advances in neurosurgery and reviews of major neurosurgical conditions key sections of the volume provide a detailed review of tumors including those of the optic pathways hypothalamus and pituitary adenomas these sections highlight the renewed interest in surgical options for these tumors emphasizing multi specialist treatment approaches the initial chapters focus on the development of instruments and techniques that facilitate minimally invasive approaches to various regions of the brain and cranio vertebral junction the volume also includes a chapter on colloid cysts of the third ventricle which complements the discussion of surgical approaches for anterior skull base and frontal basal region pathologies other chapters are dedicated to cerebral arterial aneurysms and arteriovenous malformations exploring the advantages of combined therapeutic strategies for safer and more effective management of these complex lesions the final chapters investigate the benefits of complete excision of spinal lipomas versus partial resections and the more extensive excision of brain tissue harboring a glioblastoma lobectomy versus simple resection of the tumor and its infiltration into the

surrounding brain parenchyma overall the book is primarily aimed at mature and experienced neurosurgeons but it is also beneficial for younger practitioners it emphasizes a continuous reconsideration of well known diseases in terms of new approaches that combine increased efficacy with decreased risk for the patient

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 quide 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 expertconsult com with 337 additional expert contributors get procedural guidance on the latest neurosurgical operative techniques from schmidek sweet on your

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refinements in the neurosurgical armamentarium continue to push the borders of neurosurgery forward lesions considered inoperable a few years ago can now be resected especially in the region of the skull base these new developments plus rapid technological innovations in microneurosurgery have dramatically altered the scope of modern neurosurgery now with volume 2 of the acclaimed color atlas of microneurosurgery the distinguished authors provide detailed descriptions of surgical anatomy and the major neurosurgical approaches to cerebrovascular lesions you will find coverage of aneurysms arteriovenuous malformations cerebrovascular malformations and vascular compression all derived from a wide range of etiologies divided into three sections on anatomy surgical approaches and underlying pathology the book demonstrates the most innovative new techniques procedures and approaches as performed in hundreds of clinical cases the result is the most detailed and comprehensive microneurosurgical atlas ever

compiled an ideal reference for practicing neurosurgeons and residents in training

targeted at clinicians and residents this series has already become a classic with one volume published each year the advances section presents fields of neurosurgery and related areas in which important recent progress has been made the technical standards section features detailed descriptions of standard procedures to assist young neurosurgeons in their post graduate training the contributions have been written by experienced clinicians and are reviewed by all members of the editorial board

as an addition to the european postgraduate training system for young neurosurgeons we began to publish in 1974 this series devoted to advances and technical standards in neurosurgery which was later sponsored by the european association of neurosurgical societies the fact that the english language is well on the way to becoming the international medium at european scientific conferences is a great asset in terms of mutual understanding therefore we have decided to publish all contributions in english regardless of the native language of the authors all contributions are submitted to the entire editorial board before publication of any volume our series is not intended to compete with the publications of original scientific papers in other neurosurgical journals our intention is rather to present fields of neurosurgery and related areas in which important recent advances have been made the contributions are written by specialists in the given fields and constitute the first part of each volume in the second part of each volume we publish detailed descriptions of standard operative procedures furnished by experienced clinicians in these articles the authors describe the techniques they employ and explain the advantages difficulties and risks involved in the various procedures this part is intended primarily to assist young neurosurgeons in their post graduate training however we are convinced that it will also be useful to experienced fully trained

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technological progress in neurosurgery preoperative investigation of the exact anatomy of the patient detailed planning of the procedure and use of endoscopes and videosurgery have made approaches for intracranial microsurgical procedures smaller compared to historically standard neurosurgical approaches building on the previous works endoscopic anatomy for neurosurgery and keyhole concept in neurosurgery this book offers a systematic overview of keyhole approaches in the daily work of a neurosurgeon the approaches strategies indications and technical details described here are complemented by anatomical pictures schemes and artists illustrations and analyzed with regard to geometric boundaries and the topography of the target structures

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originally published in 1968 kempe s was regarded as a model of concise authoritative explanation paired with exquisite illustrations capturing a single step in the operation with the critical anatomical structures highlighted in color long revered by neurosurgeons in practice and in training and used both in and out of the operating room kempe s became a classic the second edition signals the rebirth of a classic text updated and redrawn for the microsurgical era by a stellar group of internationally recognized authorities in neurosurgery two volumes continue kempe s top down approach with vol i covering cranial cerebral and intracranial vascular disease while vol ii covers the posterior fossa lumbar spine peripheral nerves as well as new chapters on carotid endartectomy and spinal instrumentation the operations included in the text are those to which all neurosurgeons in training are exposed and those that represent the majority of cases encountered in daily practice emphasis is on surgical anatomy and open operative procedures each volume contains 278 color illustrations with critical structures and anatomical landmarks highlighted in color for quick recognition all of the figures have been redrawn to reflect both contemporary instrumentation and approaches as well as the favorite teaching points of the authors in addition the two volume boxed set is comprehensive yet not burdensome allowing for portability and use both in and out of the operating room updated for a new generation kempe s second edition maintains many of the features that made it a timeless classic chapters written in an authoritative voice of a single neurosurgical expert brevity and conciseness in text paired with instructive clear line drawings and a portability that will allow the books to be valuable references in and out of the operating room

this book is aimed at neurosurgeons with an interest in updating their knowledge on the latest state of meningiomas surgery and management the book is focused at performing a portrait of that what is state of the art in management of meningiomas all the chapters have been developed with high quality and including the most modern approaches for the different aspects they deal with the book concentrates on those problems that although perhaps less common in the day to day routine of the average neurosurgeon when present pose a special challenge this is neither a how to book nor a book about meningioma biology it presents some of the most relevant aspects in the latest developments for meningioma surgery and management in a clear and professional manner

clinical anesthesia in neurosurgery second edition integrates the evolution of the field of neuroanesthesia with the major areas of neurosurgical activity to give the reader the required perspective and requisite information to help in laying the foundation for future advances as well as describing the current state of the art the book contains 25 chapters organized into five parts part i presents studies on cerebral physiology and evaluation topics covered include cerebral circulation and metabolism intraoperative neurophysiologic monitoring and central nervous system effects of anest

this book presents a comprehensive update on some crucial aspects of brain and spinal tumoral pathology that strongly influence the current surgical management it covers a range of topics from the latest results of molecular diagnosis for tumors still considered unsuitable for surgical excision to the increasing use of minimally invasive approaches made possible by the wide application of neuroendoscopic techniques the first three chapters discuss basic research on the potential benefits of new less invasive and more sophisticated techniques for brain exploration the following four chapters examine how modern instruments for intraoperative

visualization are modifying the traditional paradigm of classical neurosurgery two chapters describe he recent understanding of two of the most relevant intracranial tumors that still pose challenges for successful treatment namely the tumor of the pineal region and ependymomas two more chapters are devoted to the management of brain tumors the first exploring the valuable information that can be derived from biopsy when properly carried out and the second detailing an innovative therapeutic modality that increases the intratumoral level of antineoplastic agents while minimizing body toxicity and side effects the book also delves into congenital or acquired malformations of the brain the skull base and the cranial vault in three of its remaining chapters finally the last chapter addresses the traumatic pathology of the spine whose etiology and management have changed significantly in recent years

the book offers the update on several basic and clinical problems in neurosurgery compiled by internationally recognized experts the main topics covered are cerebral tumors epilepsy and vascular malformations congenital and acquired spine anomalies the first chapter is devoted to the genetic of the moya moya disease a cerebral vascular disease quite common in asia that is not yet sufficiently known the second chapter is devoted to the current application of vr ar virtual reality augmented reality to pediatric neurosurgery the next four chapters discuss the management of spine diseases respectively the tethered cord syndrome the severe forms of spondylolisthesis the role of perioperative checklists and the long term outcomes of myelomeningocele two chapters deal with the surgical aspects of the management of intraventricular tumors cerebral tumors namely malignant gliomas and jugular foramen tumors are the subject of the remaining chapters approaching the issue of technical standards in the everyday clinical practice of neurosurgery this book of great interest for neurosurgeons neuroradiologists vascular and plastic surgeons

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