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Pregnancy and Neurologic Illness, An Issue of Neurologic Clinics - E-Book The Interface of Neurology & Internal Medicine Taking Action Against Clinician Burnout Chronic Headache Death by Cyanide Physician's Field Guide to Neuropsychology Women's Neurology Brain Diseases—Advances in Research and Application: 2013 Edition Redo Cardiac Surgery in Adults Oxygen Transport to Tissue XL Koht, Sloan, Toleikis's Monitoring the Nervous System for Anesthesiologists and Other Health Care Professionals Uncommon Causes of Movement Disorders Pediatric Neuropsychiatry Integrative Headache Medicine Current Concepts in Movement Disorder Management Cancer Neurology in Clinical Practice Youmans and Winn Neurological Surgery E-Book Behavioral Neurology & Neuropsychiatry Women with Epilepsy Movement Disorders Chronic Diseases [2 volumes] Zitelli and Davis' Atlas of Pediatric Physical Diagnosis E-Book Textbook of Interventional Neurology Epilepsy in Women Medifocus Guidebook On: Alzheimer's Disease Neurosurgery Fundamentals Molecular Imaging of Neurodegenerative Disorders Sleep Disorders in Neurology The Underactive Bladder Neurocritical Care International Neurology Concussion Brain Mapping Coma Science The Traumatized Brain Epilepsy Epilepsy Surgery: The Network Approach, An Issue of Neurosurgery Clinics of North America, E-Book Issues in Neurology Research and Practice: 2011 Edition Autism Spectrum Disorder Textbook of Stereotactic and Functional Neurosurgery

Pregnancy and Neurologic Illness, An Issue of Neurologic Clinics - E-Book

2013-01-15

neurologic illness in pregnant women requires special consideration on the part of the neurologist these disorders can impact pregnancy in distinct ways and their therapies must often be modified to protect the health of the mother and fetus this issue of neurologic clinics features 11 articles on the interaction of the main neurologic disorders and pregnancy

The Interface of Neurology & Internal Medicine

2008

this book is the first comprehensive reference on the interface between neurology and internal medicine in 171 chapters organized by organ system the book examines the neurologic manifestations of dozens of medical conditions the neurologic effects of drugs organ transplantation and other treatments and the medical comorbidities or complications iatrogenic or otherwise that neurologists must diagnose and treat in patients with neurologic disease most chapters are co authored by a neurologist and a non neurologic specialist each chapter presents information in an accessible format and includes a case vignette and the authors recommendations for the case a companion website provides a multiple choice question for each chapter and the fully searchable text with case vignettes and recommendations linked

Taking Action Against Clinician Burnout

2020-01-02

patient centered high quality health care relies on the well being health and safety of health care clinicians however alarmingly high rates of clinician burnout in the united states are detrimental to the quality of care being provided harmful to individuals in the workforce and costly it is important to take a systemic approach to address burnout that focuses on the structure organization and culture of health care taking action against clinician burnout a systems approach to professional well being builds upon two groundbreaking reports from the past twenty years to err is human building a safer health system and crossing the quality chasm a new health system for the 21st century which both called attention to the issues around patient safety and quality of care this report explores the extent consequences and contributing factors of clinician burnout and provides a framework for a systems approach to clinician burnout and professional well being a research agenda to advance clinician well being and recommendations for the field

Chronic Headache

2018-09-03

this comprehensive practical title invites all clinicians to take a fresh look at the evaluation and management of chronic daily headache cdh developed by a distinguished international panel of experts the book examines key social and economic issues around cdh and clarifies the diagnosis of cdh disorders providing an understanding of the underlying biological substrates offering guidance on the use of diagnostic testing and additional consultations and outlining treatment strategies with the greatest potential

to alleviate the burden of these patients and to provide the highest quality of care the book fully examines the constellation of symptoms that constitute chronic daily headache while also discussing the role of behavioral medicine and the important elements involved in taking a good history the major forms and biology of chronic daily headache are covered as is the role of diagnostic testing and treatment the risk factors that lead patients to transform episodic primary headache disorders into the chronic form are examined invasive and neuromodulatory techniques are also discussed a section on the classification of these disorders rounds out this important contribution to the literature chronic headache a comprehensive guide to evaluation and management will be of great interest to neurologists primary care physicians nurse practitioners physician assistants medical students and other clinicians with an interest in chronic daily headache

Death by Cyanide

2016-10-04

at just forty one years old dr autumn klein a neurologist specializing in seizure disorders in pregnant women had already been named chief of women s neurology at pittsburgh s largest health system more than just successful in her field dr klein was beloved by her patients colleagues family and friends she collapsed suddenly on april 17 2013 writhing in agony on her kitchen floor and died three days later the police said her husband dr robert ferrante twenty three years klein s senior killed her through cyanide poisoning though ferrante left a clear trail of circumstantial evidence klein s death from cyanide might have been overlooked if not for the investigators who were able to use ferrante s computer statements from the staff at his lab and his own seemingly odd actions at the hospital during his wife s treatment to piece together what appeared to be a long term plan to end his wife s life in death by cyanide paula reed ward reporter for the pittsburgh post gazette describes the murder investigation and the trial in this sensational case taking us from the poisoning and the medical staff s heroic measures to save klein s life to the investigation of ferrante and the emotion and drama inside the courtroom

Physician's Field Guide to Neuropsychology

2019-05-22

this unique volume teaches those in the medical fields about the scientific value of neuropsychology in assessing cognition the 6th vital sign as part of well integrated collaborative care it offers physicians a comprehensive tour of the many dimensions neuropsychology can add to primary and specialized medical care across the lifespan noted experts examine cognitive ramifications of a wide range of medical psychological and neuropsychological conditions among them brain tumors stroke epilepsy pediatric and adult tbi schizophrenia and adult adhd the book s generous selection of case examples demonstrates the benefits of cognitive assessment in building accurate diagnoses better understanding of patient needs and more appropriate treatment and management strategies as well as other neuropsychologist roles in consulting referral and forensic areas in addition tables callout boxes review questions and other features are included throughout the text for ease in comprehension and retention a sampling of the coverage the value of neuropsychological evaluation in medical practice a model of collaboration between primary care and neuropsychology neuropsychological assessment of extremely preterm children alzheimer s disease and overview of dementia deep brain stimulation for parkinson s disease neuropsychology in the 21st century

the rise of multicultural assessment neuropsychological interventions for individuals with brain injury the physician's field guide to neuropsychology is both a rigorous and an accessible reference for clinicians in diverse disciplines including general practice family medicine neuropsychology pediatrics gerontology and sports medicine

Women's Neurology

2017

women's neurology details how to best care for women with neurological disorders it can be challenging for physicians to stay on top of the latest research about how sex and gender affect the course of specific diseases medication effects and best neurological care the book's raison d'être is therefore to heighten caregivers awareness about the gender differences in neurological care

Brain Diseases—Advances in Research and Application: 2013 Edition

2013-06-21

brain diseases advances in research and application 2013 edition is a scholarly editions book that delivers timely authoritative and comprehensive information about brain injuries the editors have built brain diseases advances in research and application 2013 edition on the vast information databases of scholarly news you can expect the information about brain injuries in this book to be deeper than what you can access anywhere else as well as consistently reliable authoritative informed and relevant the content of brain diseases advances in research and application 2013 edition has been produced by the world's leading scientists engineers analysts research institutions and companies all of the content is from peer reviewed sources and all of it is written assembled and edited by the editors at scholarly editions and available exclusively from us you now have a source you can cite with authority confidence and credibility more information is available at scholarly editions com

Redo Cardiac Surgery in Adults

2011-12-02

redo cardiac surgeries are challenging cases with a myriad of influential factors ranging from the patient's pathology to the whimsy of the previous surgeon redo cardiac surgery in adults 2nd edition clearly outlines practical approaches surgical techniques and management of associated conditions such as perioperative stroke and acute kidney function it covers the spectrum of redo cardiac operations including coronary artery bypass mitral valve repair reoperation for prosthetic mitral valve endocarditis aortic arch reoperation descending and thoracoabdominal aortic reoperation and reoperations following endovascular aortic repair all redo cardiac surgeries present a complex array of challenges beyond what the original procedure demands this book written by an outstanding group of prominent physicians will give the reader the knowledge and tools to approach these cases with confidence

Oxygen Transport to Tissue XL

2018-09-03

the book contains the refereed contributions from the 45th annual meeting of the international society on oxygen transport to tissue isott 2017 this volume covers cross disciplinary work on a broad range of topics related to the dynamics of oxygen transport microcirculation and vascular medicine o2 deficiency and its impact on molecular processes in cells and tissues cellular metabolism and mitochondrial function multimodal functional imaging mathematical modeling the clinical relevance of oxygen supply as well as therapeutic interventions e g in oncology or critical care medicine the annual meetings of isott bring together scientists from diverse fields medicine physiology mathematics biology chemistry physics engineering etc in a unique international forum the book includes sections on brain oxygenation and function nirs oxygenation measurements tumor oxygenation cell metabolism tissue oxygenation and treatment methodical aspects of o2 measurements and physicochemical aspects of oxygen diffusion chapters 3 24 49 and 51 of this book are open access under a cc by 4 0 license

Koht, Sloan, Toleikis's Monitoring the Nervous System for Anesthesiologists and Other Health Care Professionals

2022-11-30

as a single source volume on intraoperative neurophysiological monitoring iom previous editions of this celebrated resource amounted to a mission statement from the pioneer generation in intraoperative neurophysiology converting insights techniques and perspectives into tools providing clinical utility for the assessment of the nervous system in patients who could not be assessed by a standard neurological examination now directed by a new generation of experts this thoroughly illustrated third edition is updated with new case material images videos practice guidelines references and technologies and is intended for those who encounter iom in the operating room and intensive care unit including anesthesiologists technologists neurophysiologists surgeons and nurses as well as graduate students and trainees offering topical applicable information this accessible reference and teaching tool provides practical knowledge to help students trainees and team members better understand one another s roles thereby improving patient safety and care

Uncommon Causes of Movement Disorders

2011-05-12

a large number of neurological conditions result in abnormal movements of the body these are often characterized by changes in coordination and altered speed of voluntary movement many obscure diseases conditions and environmental insults can cause movement disorders but these are often overlooked this volume expands and differentiates the many varied clinical presentations of movement disorders written by an international team of authors including some of the most prominent clinicians in the field disorders are defined and expanded in a clinically useful manner pathophysiological theories genetic discoveries new classifications differential diagnoses and therapies are discussed extensively uncommon causes of movement disorders provides a broad and comprehensive review of the field concentrating on conditions infrequently seen but essential for practitioners to recognize in order to implement appropriate management this is a key text for movement disorders specialists and general neurologists at all stages of their career

Pediatric Neuropsychiatry

2018-10-26

adult neuropsychiatry is now a well established field with numerous reputable references practitioners who work with children routinely note how references and practitioners knowledgeable in the equivalent work in the pediatric world are rare child psychiatrists and neurologists frequently work with individuals struggling with these conditions and would strongly benefit from such a reference that incorporates medical work up psychopharmacological recommendations family support recommendations and theoretical pathophysiology pediatricians and developmental pediatricians often treat children with behavioral and neuropsychiatric sequelae but are not well trained in the neuropsychiatric management of these cases neuropsychologists and educational psychologists working with children and adults with pediatric onset conditions will also find the text helpful to contextualize their cases better understand the medical evaluation and management and perhaps adjust recommendations that would supplement their own testing methods finally subspecialists in adult neurology psychiatry and neuropsychiatry often find themselves working with these children by default as there are few pediatric subspecialists who are available to accept them into practice when facing complex neuropsychiatric illness in children many clinicians are stymied because they may have never seen a case like that this text fills the wide gap that currently exists and helps move this field forward the approach utilized in adult neuropsychiatry that is both clear and accessible does not yet have an equivalent in the pediatric realm but there is tremendous interest in its development children and adolescents with neuropsychiatric conditions are very common and they and their caregivers often struggle to find professionals well educated in this field ultimately a wide range of clinicians will find this text to be a very helpful resource for diagnosis and management in the spectrum of pediatric neuropsychiatric conditions the case based approach is also unique with respect to neuropsychiatric approaches and the clear cut reader friendly approach of such a format would likely be well received among physicians looking for a resource on this issue

Integrative Headache Medicine

2021-06-30

this practical and comprehensive title provides illuminating evidence based approaches in headache medicine for using traditional medical therapies in conjunction with alternative approaches to care in all the book details how multidisciplinary management and the combination of conventional and complementary medical services integrative medicine leads to superior patient outcomes improved patient satisfaction reduced stress and more readily treatable less serious illness state of the art and developed by experts in their fields these 12 chapters present research and analysis of a wide range of non pharmacologic interventions in headache care seeking to inspire clinicians to formulate personalized headache treatment plans and to work together by integrating their expertise in a multidisciplinary context to address patients unique conditions needs circumstances and treatment chapter one provides an overview of integrative medicine and proposes a step wise approach for incorporating integrative modalities into a headache practice chapter two focuses on the attention to be paid to relevant aspects of a patient s medical history the next four chapters discuss lifestyle factors that play a role in headache including trigger identification exercise nutrition and sleep the scope of mind body therapies such as acupuncture yoga and mindfulness is explored in chapter seven and the psychology of pain is

the subject of chapter eight chapter nine investigates the safety and efficacy of nutraceuticals or pharmaceutical alternatives the final three chapters review neuromodulation and interventional approaches to headache management an invaluable and timely contribution to the clinical literature integrative headache medicine an evidence based guide for clinicians will be of great interest to neurologists pain physicians primary care clinicians behavioral psychologists psychiatrists physical therapists social workers nutritionists and any other health professionals interested in delivering the highest quality care for headache patients

Current Concepts in Movement Disorder Management

2018-01-12

this book summarizes the current state of movement disorder management and the role of surgical therapies as an alternative to medication following a chapter on the history of movement disorder surgery leaders in their fields describe the pathophysiology functional neuroanatomy clinical presentation and medical management of parkinson s disease dystonia and essential tremor this is followed by chapters on the spectrum of movement disorder surgery itself from the lesioning procedures of radiofrequency ablation stereotactic radiosurgery and high frequency ultrasound to the modulatory procedures of asleep image guided deep brain stimulation dbs and awake microelectrode guided dbs the final chapters focus on closed loop dbs drug delivery gene therapy and other emerging neurosurgical therapies highlighting long standing experimental strategies that are reaching exciting phases of clinical translation this volume is a valuable tool for accessing the wide spectrum of concepts that currently define this dynamic field

Cancer Neurology in Clinical Practice

2017-09-16

this updated edition provides clinicians from various backgrounds and levels of training the information needed to optimally diagnose and manage neurologic complications of the nervous system organized into seven sections this comprehensive volume begins with an overview of diagnostic studies for neurologic complications involving the nervous system that is followed by sections on metastatic and non metastatic complications of cancer involving the nervous system and the interpretation diagnosis and management of common neuro oncologic symptoms the next section reviews the neurologic complications of cancer therapy including corticosteroids radiation therapy chemotherapy targeted molecular therapies immunotherapies hematopoietic stem cell transplantation and infections involving the nervous system the final section focuses on the most important neurologic complications in cancers arising from specific organs in addition to capturing the latest advancements in the rapidly evolving fields of oncology and cancer neurology the goal of this resource is to lead clinicians toward prompt diagnosis and intervention in order to improve patient quality of life this textbook is a valuable resource for medical oncologists and radiation oncologists as well as neurologists and neuro oncologists dealing with these patients overall the chapters are well organized clearly written fairly balanced and reasonably up to date i would recommend it as a learning tool to physicians in training medical students residents and fellows and for more experienced physicians as both a review update and a way to gain more in depth knowledge and insight into the neurologic problems of cancer patients john c flickinger international journal of radiation oncology biology physics vol 73 2 2009 the general organization of the book is logical and facilitates its practical and

everyday use overall this textbook is very comprehensive and encompasses main neuro oncological challenges schiff kesari and wen have edited a very elegant and highly practical textbook written by recognized authorities in their respective fields which will be used by a wide range of medical and surgical specialists who are confronted on a daily basis with neurological manifestations of cancer in their practice i radovanovic and g zadeh british journal of cancer vol 100 6 2009

Youmans and Winn Neurological Surgery E-Book

2022-01-21

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 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

Behavioral Neurology & Neuropsychiatry

2013-01-24

the merger of behavioral neurology and neuropsychiatry into a single medical subspecialty behavioral neurology neuropsychiatry requires an understanding of brain behavior relationships and a clinical approach that transcends the traditional perspectives of neurology and psychiatry designed as a primer of concepts and principles and authored by a multidisciplinary group of internationally known clinical neuroscientists this book divides into three sections structural and functional neuroanatomy section i addresses the neuroanatomy and phenomenology of cognition emotion and behavior clinical assessment section ii describes neuropsychiatric history taking neurological

and mental status examinations neuropsychological assessment and neuroimaging electrophysiologic and laboratory methods treatment section iii discusses environmental behavioral rehabilitative psychological social pharmacological and procedural interventions for cognitive emotional and behavioral disorders by emphasizing the principles of behavioral neurology neuropsychiatry this book will improve your understanding of brain behavior relationships and inform your care of patients and families affected by neurobehavioral disorders

Women with Epilepsy

2014-07-31

this is a succinct portable essential guide to the practical management of women with epilepsy for busy clinicians

Movement Disorders

2012-07-18

clinical case studies have long been recognized as a useful adjunct to problem based learning and continuing professional development movement disorders collects over 90 of the most memorable and challenging movement disorder cases from the world s leading authorities in this specialty compelling vignettes covering the entire phenomenology of movement disorders are presented succinctly but descriptively to walk the reader through the diagnostic process much like being in the examining room with a master clinician each case follows a set format consisting of four sections the case the approach the lesson reference and suggested readings imaging findings and other illustrations amplify the discussion where pertinent movement disorders features collection of over 90 compelling cases covering standard movement disorders phenomenology cases are vividly described well illustrated and authoritatively written with a section on lessons learned at the end of each vignette captures the human element in medicine first person narratives simulate the experience of sitting at the elbow of a master clinician interviewing and examining the patient designed to help hone diagnostic skills and inform treatment decisions for the full spectrum of movement disorders vignette titles serve as a reference index for clinicians to easily search similar cases they may have encountered i e an elderly man with dystonia chorea in a young athlete

Chronic Diseases [2 volumes]

2016-12-05

this comprehensive two volume work provides an overview of an area of growing concern offering readers a one stop resource for researching the chronic conditions that increasingly plague our society chronic diseases and their consequences are among the foremost problems faced by the u s health care system accounting for untold distress and mounting personal and societal costs bringing together an unprecedented array of detailed data and facts this unique two volume encyclopedia provides information that will help readers understand what they can do to avoid these diseases as well as how to best manage chronic conditions that may affect them or their families designed for high school public and university libraries this three volume set covers an extensive range of disorders including diabetes cancer high blood pressure asthma heart disease arthritis osteoporosis kidney disease alzheimer s disease hiv aids and hepatitis depression and anxiety are covered

as are violence and injury drug use and abuse and tobacco as a health hazard much more than just a list of diseases this encyclopedia enables readers to easily research terminology symptoms methods of diagnosis medical treatments and alternative medicine risk factors associated conditions and preventive approaches the work is consistent with healthy people 2010 national goals and objectives and with national health education standards

Zitelli and Davis' Atlas of Pediatric Physical Diagnosis E-Book

2012-04-12

accurately diagnose the entire spectrum of pediatric conditions with the most trusted atlas in the field zitelli and davis atlas of pediatric physical diagnosis 6th edition over 2 500 superb clinical photographs provide unparalleled coverage of important clinical signs and symptoms from the common pinkeye to the rare williams syndrome trusted by residents and clinicians alike this updated classic helps you quickly and confidently diagnose any childhood condition you re likely to encounter get the comprehensive coverage you need from pertinent historical factors and examination techniques to visual and diagnostic methods with over 2 500 practical clinical photographs to help identify and diagnose hundreds of pediatric disorders benefit from authoritative guidance on genetic disorders and dysmorphic conditions neonatology developmental behavioral pediatrics allergy and immunology conditions of each body system child abuse and neglect infectious disease surgery pediatric and adolescent gynecology orthopedics and craniofacial syndromes all enhanced by over 3 400 high quality images prepare for the pediatric boards with one of the best most widely used review tools available access the complete contents and illustrations online at expertconsult com fully searchable get in depth guidance on your laptop or mobile device with online diagnostic videos of non seizure neurological symptoms respiratory disorders and seizures plus an infant development assessment tool a downloadable image gallery jpegs or ppts for easy insertion into academic presentations and links to pubmed all online at expertconsult com gain an up to date understanding of today s hottest topics including autism spectrum disorders childhood obesity inborn errors of metabolism malformations associated with teratogens and mitochondrial disorders stay current with new chapters and revised coverage of genetics radiology development endocrinology infectious diseases cerebral palsy skeletal syndromes and child abuse

Textbook of Interventional Neurology

2011-04-14

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

Epilepsy in Women

2013-01-02

epilepsy requires careful management and monitoring through a woman's life. epilepsy is a complex disease; the hormonal changes women experience both day to day, menstrual fluctuations, and the longer waxes and wanings of a reproductive lifetime make the management of epilepsy even more complicated. at some point, the well-being of a second person, a fetus, might also have to be taken into account. epilepsy in women provides a detailed guide to this challenge. the wide-ranging approach encompasses all aspects of a woman's life, including social and psychological impacts, the impact in reproductive life, contraception, pregnancy, fetal health, and long-term developmental outcomes. lactation, menopause, each practical chapter begins and ends with a case study that demonstrates the more general challenge. the authors develop themes to provide clinical guidance based on evidence and experience, written and edited by an international cast of experts. epilepsy in women provides crucial tips and recommendations for neurologists and gynecologists who need to be aware of the subtle effects of epilepsy on a woman's life.

Medifocus Guidebook On: Alzheimer's Disease

2012-02-10

the medifocus guidebook on alzheimer's disease is the most comprehensive up-to-date source of information available. you will get answers to your questions, including risk factors of alzheimer's disease, standard and alternative treatment options, leading doctors, hospitals, and medical centers that specialize in alzheimer's disease, results of the latest clinical trials, support groups, and additional resources, and promising new treatments on the horizon. this one-of-a-kind guidebook offers answers to your critical health questions, including the latest treatments, clinical trials, and expert research. high-quality professional-level information you can trust and understand, culled from the latest peer-reviewed journals, and a unique resource to find leading experts, institutions, and support organizations, including contact information and hyperlinks. this guidebook was updated on february 10, 2012.

Neurosurgery Fundamentals

2018-10-22

the quintessential guide providing a one-stop roadmap to a neurosurgical career. neurosurgery is a complex, highly selective specialty for medical students and residents navigating a huge array of neurosurgical information. can be overwhelming. neurosurgery fundamentals by nitin agarwal is a portable reference enabling swift assimilation of neurosurgical care essentials. the book starts with a roadmap to a career in neurosurgery; it concludes with advice from the masters, featuring invaluable resources and insights from prominent neurosurgeons. comprehensive technical overviews are provided on the neurological exam, neuroanatomy, neuroradiology, neurocritical care, traumatic brain and spinal cord injury, degenerative and deformity spine, neurovascular surgery, neurosurgical oncology, pediatric neurosurgery, functional neurosurgery, stereotactic radiosurgery, neurological infectious diseases, and interdisciplinary care. socioeconomic topics include training, licensure, credentialing, and advocacy. key features: fundamental diseases, tests, and operative approaches are summarized. top hits feature the most salient questions, aiding in retention of knowledge. high-yield resources are highlighted to augment reader identification. neurosurgical pearls offer

advice from the masters relevant to each chapter high quality illustrations photographs and radiographs enrich understanding aspiring neurosurgical providers will benefit from the easy to digest wealth of information in this concise yet comprehensive guide

Molecular Imaging of Neurodegenerative Disorders

2023-09-26

this book provides a comprehensive review of the role of molecular imaging in neurodegenerative diseases a growing field molecular imaging of neurodegeneration is becoming increasingly relevant with an aging population and this book serves to provide both an introduction to the concept and background of neurodegeneration and an update on the most recent imaging advances throughout chapters will review current applications of neuroimaging in neurodegenerative disorders like dementia and movement disorders and increase knowledge of quantification and semi quantification methods for neuroimaging imaging methods such as pet ct and pet mr are covered as well as more advanced technologies like artificial intelligence algorithms and novel radiotracers chapters are also intended to improve competency in reporting and interpretation skills with structured information on current practice the book concludes with a collection of up to date practice cases for the interpretation of neurodegeneration in nuclear medicine imaging this is an ideal guide for nuclear medicine physicians neuroradiologists neurologists residents trainees and related medical professionals caring for patients with neurodegeneration

Sleep Disorders in Neurology

2010-03-26

formulate treatment plans with confidence when you consult sleepdisorders in neurology a helpful overview of both common andrare neurological disorders that are frequently accompanied bysignificant sleep disturbances this concise guide explains when toconsult a sleep specialist in managing a particular sleep disorderand draws on the expertise of neurologists who specialize in thedisorders under discussion this practical guide is fullyillustrated and easily digested providing a counterpoint to largeencyclopediaic reference volumes the authors take you from historytaking and diagnostic testing to pharmacological andnon pharmacological treatment options and are joined by diseasesub specialists in the chapters on disease specific sleepdisturbances and the effects of common neurological medications onsleep this book is essential for sleep medicine specialists as wellas for clinicians and health care professionals not specificallytrained in sleep medicine but who nevertheless need to manageneurologically damaged patients with increasingly recognizedsleep wake disturbances

The Underactive Bladder

2015-11-24

this book provides up to date guidance on optimal care of the patient with an underactive bladder it covers all aspects of management including clinical evaluation urodynamic diagnosis standard care drug therapy and emerging treatment options nursing issues are extensively discussed and advice offered on the use of catheters and avoidance of catheter related complications further chapters address epidemiology pathophysiology animal modeling and health care costs while most practitioners are familiar with overactive

bladder the converse condition of underactive bladder has generally remained far below the radar as a consequence there is still a lack of empirically validated treatments and effective treatment strategies this is a matter of concern especially as the burden of the condition is expected to rise in line with the aging of global populations the underactive bladder is a major step forward in raising awareness exploring best practices in patient care and searching for future therapies it will be invaluable for urologists geriatricians other specialists researchers and nurses

Neurocritical Care

2018

in recent years neurocritical care has grown and matured as a subspecialty of critical care medicine with the advent of new monitoring diagnostic and therapeutic capabilities the goal of neurocritical care is to rapidly deliver acute medical therapies and appropriate interventions through effective monitoring of both neurological and end organ function neurocritical care provides at the bedside guidance on the medical knowledge and technical skills required to care for critically ill patients with neurologic conditions such as cerebrovascular disorders neurotrauma neuro oncology refractory seizures neuromuscular diseases infections alterations in consciousness and perioperative neurosurgical care part of the pittsburgh critical care medicine series this compact volume is an ideal reference for physicians and trainees working in either a general icu or specialty neuro icu unit readers will gain an understanding of background knowledge and concrete solutions to questions and situations encountered in daily practice

International Neurology

2016-04-13

this unique textbook deals with the variations in the causes presentations and treatment of neurological disease throughout human populations international neurology is an indispensable guide to the full range of neurological conditions you will see in your ever changing patient population comprehensive coverage of neurological diseases and disorders with a clinical approach to diagnosis treatment and management truly international authorship distills expert knowledge from around the world succinct bite sized templated chapters allow for rapid clinical referral further reading recommendations for each chapter guide readers requiring more depth of information endorsed by the world federation of neurology

Concussion

2014-06-17

the increasing recognition of concussion and its associated consequences has focused international attention on mild traumatic brain injury the need for early diagnosis evaluation and management has expanded dramatically this volume includes the experience of leading experts who describe the recent advances in the pathophysiology biomechanics imaging definition and management of concussion advanced imaging and electrophysiological techniques are being used to help delineate the underlying metabolic and ultrastructural effects of concussive injuries papers in this volume review the role of emerging techniques including fmri spect pet dti mrs and meg as well as report on multimodality concussion management programs which offer guidelines for selecting relevant team members assessing community needs and

implementing management strategies that align with current practice standards this publication provides neurosurgeons neurologists trauma and sports medicine specialists physiatrists neuropsychologists and neuroscientists with a comprehensive overview of the current understanding of the causes of mild traumatic brain injury or concussion newer methods to evaluate it and current and evolving multimodality management strategies

Brain Mapping

2011-11-13

the goal of this book is to make a link between fundamental research in the field of cognitive neurosciences which now benefits from a better knowledge of the neural foundations of cerebral processing and its clinical application especially in neurosurgery itself able to provide new insights into brain organization the anatomical bases are presented advances and limitations of the different methods of functional cerebral mapping are discussed updated models of sensorimotor visuospatial language memory emotional and executive functions are explained in detail in the light of these data new strategies of surgical management of cerebral lesions are proposed with an optimization of the benefit risk ratio of surgery finally perspectives about brain connectivity and plasticity are discussed on the basis of translational studies involving serial functional neuroimaging intraoperative cortico subcortical electrical mapping and biomathematical modeling of interactions between parallel distributed neural networks

Coma Science

2009-10-07

this serial is firmly established as an extensive documentation of the advances in contemporary brain research each volume presents authoritative reviews and original articles by invited specialists this volume concentrates on coma and consciousness science presenting articles from leading figures in the area on the clinical and ethical implications of work in this field the book provides a thorough review of the various aspects of coma science from a review of the concepts questioning of recent advances case studies through to where research in the field is heading provides the reader with a unique overview of all aspects of new advances in coma science broad focus with contributions by the top scientists worldwide in the respective disciplines

The Traumatized Brain

2015-11-15

useful information and real hope for patients and families whose lives have been altered by traumatic brain injury a traumatic brain injury is a life changing event affecting an individual s lifestyle ability to work relationships even personality whatever caused it car crash work accident sports injury domestic violence combat a severe blow to the head results in acute and often lasting symptoms people with brain injury benefit from understanding patience and assistance in recovering their bearings and functioning to their full abilities in the traumatized brain neuropsychiatrists drs vani rao and sandeep vaishnavi experts in helping people heal after head trauma explain how traumatic brain injury whether mild moderate or severe affects the brain they advise readers on how emotional symptoms such as depression anxiety mania and apathy can be treated how behavioral symptoms such as psychosis aggression impulsivity and sleep

disturbances can be addressed and how cognitive functions like attention memory executive functioning and language can be improved they also discuss headaches seizures vision problems and other neurological symptoms of traumatic brain injury by stressing that symptoms are real and are directly related to the trauma rao and vaishnavi hope to restore dignity to people with traumatic brain injury and encourage them to ask for help each chapter incorporates case studies and suggestions for appropriate medications counseling and other treatments and ends with targeted tips for coping the book also includes a useful glossary a list of resources and suggestions for further reading

Epilepsy

2014-01-06

epilepsy is a complicated neurological condition with variable manifestations numerous etiologies and a diverse range of treatments it is a chronic disease that in many cases can be controlled however treatment requires accurate clinical evaluation to allow intelligent treatment choices epilepsy has been designed to help clinicians develop these evaluation skills expert neurologists have distilled the evidence and combined their experience

Epilepsy Surgery: The Network Approach, An Issue of Neurosurgery Clinics of North America, E-Book

2020-07-28

this issue of neurosurgery clinics guest edited by dr r mark richardson and dr vasileios kokkinos will focus on epilepsy surgery the network approach this issue is one of four selected each year by our series consulting editors dr russell r lonser and dr daniel k resnick topics discussed in this issue will include history of the network approach in epilepsy surgery networks in temporal lobe epilepsy networks in frontal lobe epilepsy networks in parietal and occipital lobe epilepsy structures facilitating epileptogenic network formation extracranial interictal and ictal eeg in seeg planning ictal semiology as a tool for seeg planning the significance of mri lesions in seeg planning functional networks in epilepsy presurgical evaluation automation advances in seeg planning interpretation of the intracranial seeg signal electrical cortical stimulation epileptogenic index modeling the epileptogenic network machine learning in epilepsy surgery evaluations neuromodulation of epilepsy networks and decision making in epilepsy surgery

Issues in Neurology Research and Practice: 2011 Edition

2012-01-09

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2011-06-23

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