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This book provides an essential update on microvascular decompression (MVD) surgery, which has been widely accepted as an effective remedy for cranial nerve hyperexcitability disorders such as hemifacial spasm, trigeminal neuralgia, glossopharyngeal neuralgia, etc. The authors describe in detail those steps of the process that need the most attention in order to achieve an excellent postoperative outcome, including positioning, craniectomy, approach and identification of the culprit, etc. Though it primarily focuses on surgical principles and technical nuances, the book also addresses the intraoperative electrophysiologic monitoring and pathogeneses of hemifacial spasm and trigeminal neuralgia.

This book illustrates and discusses key points related to intra- and postoperative complications of brain, spine and peripheral nerve surgery, and covers the majority of neurosurgical subspecialties, including skull base surgery, brain tumor surgery, vascular and endovascular neurosurgery, neuroendoscopy, functional neurosurgery, spine surgery, peripheral nerve surgery, radiosurgery and radiotherapy. In addition, it considers related medicolegal, ethical and philosophical aspects. Including material that represents the combined proceedings of the First International Conference on Complications in Neurosurgery (March 3-5, 2017; Mumbai, India) and the dedicated symposium "Complications in Neurosurgery" during the XVI Congress of the World Federation of Neurosurgical Societies (August 20-25, 2017; Istanbul, Turkey), the articles in this volume were written by recognized experts in the field and based both on their personal experience and the latest scientific evidence. It offers a valuable reference guide, providing detailed recommendations on the prevention and management of complications in neurosurgery.

During the past decades, literacy has gradually become a major concern all over the world. Though there is a great diversity in both the distribution and degree of literacy in different countries, there has been an increasing awareness of the number of illiterates and the consequences of being illiterate. However, literacy is no longer seen as a universal trait. When one focuses on culturally-sensitive accounts of reading and writing practices, the concept of literacy as a single trait does not seem very feasible. A multiplicity of literacy practices can be distinguished which are related to specific cultural contexts and associated with relations of power and ideology. As such, literacy can be seen as a lifelong context-bound set of practices in which an individual's needs vary with time and place. This volume explores the use of literacy outside the mainstream in different contexts throughout the world. It is divided into four sections. Section 1 presents an anthropological perspective--analyzing the society and the individual in a society. Section 2 presents a psychological perspective--focusing on the individuals themselves and analyzing the cognitive and affective development of young children as they acquire literacy in their first and second languages.

Section 3 presents an educational perspective--highlighting the variations in educational approaches in different societies as well as the outcomes of these approaches. Section 4 summarizes the studies presented in this volume. Both theoretical issues and educational implications related to the development of literacy in two languages are discussed. An attempt is also made to open up new directions in the study of literacy development in multilingual contexts by bringing these various disciplinary perspectives together.

Health Promotion in Practice is a practice-driven text that translates theories of health promotion into a step-by-step clinical approach for engaging with clients. The book covers the theoretical frameworks of health promotion, clinical approaches to the eleven healthy behaviors—eating well, physical activity, sexual health, oral health, smoking cessation, substance safety, injury prevention, violence prevention, disaster preparedness, organizational wellness, and enhancing development—as well as critical factors shaping the present and the future of the field. Written by the leading practitioners and researchers in the field of health promotion, Health Promotion in Practice is a key text and reference for students, faculty, researchers, and practitioners. "Finally, a signature book in which practitioners of health promotion will find relevant guidance for their work. Sherri Sheinfeld Gorin and Joan Arnold have compiled an outstanding cast of savvy experts whose collective effort has resulted in a stunning breadth of coverage. Whether you are a practitioner or a student preparing for practice, this book will help you to bridge the gap between theory and practice-driven empiricism." —John P. Allegrante, professor of health education, Teachers College, and Mailman School of Public Health, Columbia University "The models of health promotion around which Health Promotion in Practice is built have a sound basis in current understanding of human development, the impact of community and social systems, and stages of growth, development, and aging. This handbook can provide both experienced health professionals and students beginning to develop practice patterns the content and structure to interactions that are truly promoting of health." —Kristine M. Gebbie, Dr.P.H., R.N., Columbia University School of Nursing

Comprehensive, state-of-the-art review of the natural history, treatment, and outcomes of patients with vascular malformations of the brain and spine. To maintain a healthy ecosystem for contemporary society, and for future generations, policies must be implemented to protect the environment. This can be achieved by consistent evaluation of new initiatives and strategies. Sustainable Development: Concepts, Methodologies, Tools, and Applications is a comprehensive source of scholarly information on the latest research for sustainability concerns across a multidisciplinary perspective. Highlighting a broad range of innovative topics such as renewable energy, urban development, and green technologies, this multi-volume book is ideally designed for academics, researchers, professionals, students, and practitioners interested in the preservation of the environment.

Was it 'big thinking' behind the brilliant minds of Walt Disney, Steve Jobs, Warren Buffet, Mahatma Gandhi, Nelson Mandela, and Mother Teresa that made them achieve remarkable breakthroughs that have changed the world in many ways? Every business education and training programmes encourage us to 'think big' and be 'excellent'. But they do not teach us to be brilliant. While excellence is the quality of being extremely good at something, brilliance is an exceptional level of performance. *Strategic Brilliance: From Concept to Reality* is a brilliant work of ideas that enlightens readers on the art of 'brilliance' and exposes the wildly ambitious and dramatized idea of 'think big and the rest will follow' mindset. It outlines a journey from perceiving brilliance to a roadmap for executing it. Guiding the reader through a process of clarifying assumptions, confronting problems and articulating decisions, the book equips business leaders, budding entrepreneurs and strategy enthusiasts to challenge the existing paradigms about success, develop a mindset for brilliance and create a strategic blueprint to achieve it.

Artificial Intelligence in Precision Health: From Concept to Applications provides a readily available resource to understand artificial intelligence and its real time applications in precision medicine in practice. Written by experts from different countries and with diverse background, the content encompasses accessible knowledge easily understandable for non-specialists in computer sciences. The book discusses topics such as cognitive computing and emotional intelligence, big data analysis, clinical decision support systems, deep learning, personal omics, digital health, predictive models, prediction of epidemics, drug discovery, precision nutrition and fitness. Additionally, there is a section dedicated to discuss and analyze AI products related to precision healthcare already available. This book is a valuable source for clinicians, healthcare workers, and researchers from diverse areas of biomedical field who may or may not have computational background and want to learn more about the innovative field of artificial intelligence for precision health. Provides computational approaches used in artificial intelligence easily understandable for non-computer specialists Gives know-how and real successful cases of artificial intelligence approaches in predictive models, modeling disease physiology, and public health surveillance Discusses the applicability of AI on multiple areas, such as drug discovery, clinical trials, radiology, surgery, patient care and clinical decision support There are relationships that exist between neuroanesthesia, neurosurgical procedures, individual patient pathology and the positioning of a patient for said procedure. A comprehensive examination of these relationships, their association with patient morbidity/mortality and how to approach these issues in an evidence-based manner has yet to become available. Positioning related injuries have been documented as major contributors to neurosurgical/neuroanesthesiology liability. This text examines these relationships. It provides considerations necessary to the correct positioning of a patient for a neurosurgical procedure for each individual patient and their individual pathology. In other words, this text will

demonstrate how to construct the necessary surgical posture for the indicated neurosurgical procedure given the individual constraints of the patient within the environment of anesthesia and conforming to existing evidence-based practice guidelines. Sections will address physiological changes inherent in positioning in relation to anesthesia for neurosurgical procedures, assessment of patient for planned procedure, as well as considerations for managing problems associated with these relationships. Additional sections will examine the relationship between neurosurgical positioning and medical malpractice and the biomechanical science between positioning devices and neurosurgical procedures. Neurosurgery and its patient population are in a constant state of change. Providing the necessary considerations for the neurosurgical procedure planned under the anesthesia conditions planned in the position planned, often in the absence of multicase study literary support, without incurring additional morbidity is the goal of this text.

For 40 years, Lamborghini has been one of the world's most flamboyant and exotic car marques. Written by a long-term Lamborghini insider, the book tells, for the first time, the real story of the men who kept the Italian company alive, making cars bought by wealthy business executives, show business celebrities, and sports stars. Custodians of Lamborghini have included Chrysler and businessmen in Switzerland and Asia. Now Lamborghini sits alongside Bugatti at Audi, part of the Volkswagen Group. Previous Lamborghini books have been little more than collections of pictures of the cars and technical descriptions, but this one describes the character of the men whose passion for Lamborghini kept the company alive. The book is published in 2004 as the all-new Lamborghini Gallardo goes on sale, 41 years after the original 350GTV burst onto the scene at the Turin auto show.

Advances in Cancer Research provides invaluable information on the exciting and fast-moving field of cancer research. Here, once again, outstanding and original reviews are presented on a variety of topics. This volume, number 124, covers emerging applications of molecular imaging to oncology, including molecular-genetic imaging, imaging the tumor microenvironment, tracking cells and vaccines in vivo, and more. Provides information on cancer research

Outstanding and original reviews Suitable for researchers and students

The field of brain stimulation is expanding rapidly, with techniques such as DBS, TMS, and tDCS moving from the research community into clinical diagnosis and treatment. Clinical applications include treating disorders such as Parkinson's disease, dystonia, and even depression. The chapters of Brain Stimulation are written by leading international researchers and clinical specialists include coverage of techniques, modes of action and applications in physiology and therapeutics. The combination of research and clinical coverage will be of interest to neurologists, neurosurgeons, psychiatrists, neuroscientists, and health care workers. A comprehensive introduction and overview of deep brain stimulation (DBS) Coverage of DBS, transcranial magnetic stimulation (TMS) and

transcranial direct current stimulation (tDCS) Details the basic science and research utility of DBS and clinical application

The results of decades of research and development are providing compelling evidence about the efficacy of radiation therapy with proton and carbon ion beams to achieve superior complication free tumor control leading to a world-wide rapid growth in their clinical use. This book contains comprehensive reviews of the state of the art of the technology and physics of heavy charge particle therapy by the experts from the leading cancer centers of world that will be valuable as a practical guide for radiation therapy professionals interested in these modalities.

This volume provides an overview of new concepts in neurovascular interventions based on clinical and scientific knowledge of cerebrovascular disorders. It especially focuses on subarachnoid hemorrhage and cerebrovascular malformations, e.g. aneurysms, arterio-venous malformations, and cavernomas. A separate part addresses cerebral revascularization for both complex aneurysms and ischemia. All contributions were written by recognized experts and cover original papers presented at the 7th European Japanese Stroke Surgery Conference, held in Verona, Italy in June 2014. The authors present new trends and strategies for managing emerging problems, as well as in-depth discussions on controversial issues in the field.

Aleixo de Menezes, 1559-1617, former Archbishop of Goa.

This text is a comprehensive guide to the evaluation of patients with head and face pain. It is a resource for any physician or dentist to properly diagnosis and to learn the options for treating head and face pain, as well as know when to refer a patient to a specialist and how to identify which specialist is needed. It discusses the basic anatomy, etiology, and pathophysiology of head and face pain, classification guidelines for treatment, and clinical case examples. Additional chapters on nerve blocks, nerve stimulators, radiosurgery, microvascular decompression, Botox, and alternative and complementary medicine are also included. Diagnosis and Management of Head and Face Pain will be an invaluable resource for otolaryngologists, family physicians, oral surgeons, dentists, neurologists, neurosurgeons, pain specialists, and patients who suffer from head and face pain.

v. 1. Research findings -- v. 2. Concepts and methodology -- v. 3. Implementation issues -- v. 4. Programs, tools and products.

Progress in Brain Research is the most acclaimed and accomplished series in neuroscience. The serial is well-established as an extensive documentation of contemporary advances in the field. The volumes contain authoritative reviews and original articles by invited specialists. The rigorous editing of the volumes assures that they will appeal to all laboratory and clinical brain research workers in the various disciplines: neuroanatomy, neurophysiology, neuropharmacology, neuroendocrinology, neuropathology, basic neurology, biological psychiatry and the behavioral sciences.

Human exploitation of other mammals has passed through three historical phases, distinct in their ecological significance though overlapping in time. Initially, Homo sapiens was a predator, particularly of herbivores but also of fur-bearing predators. From about 11 000 years ago, goats and sheep were domesticated in the Middle East, rapidly replacing gazelles and other game as the principal source of meat. The principal crops, including wheat and barley, were taken into agriculture at about the same time, and the resulting Neolithic farming culture spread slowly from there over the subsequent 10 500 years. In a few places such as Mexico, Peru and China, this Middle Eastern culture met and merged with agricultural traditions that had made a similar but independent transition. These agricultural traditions provided the essential support for the industrial revolution, and for a third phase of industrial exploitation of mammals. In this chapter, these themes are drawn out and their ecological significance is investigated. Some of the impacts of humans on other mammals require consideration on a world-wide basis, but the chapter concentrates, parochially, on Great Britain. What have been the ecological consequences of our exploitation of other mammals?

2. 2 HISTORICAL PHASES OF EXPLOITATION
2. 2. 1 Predatory man Our nearest relatives - chimpanzees, orang utans and gorillas - are essentially forest species, deriving most of their diet from the fruits of forest trees and the shoots and leaves of plants.

The fourth edition of this comprehensive resource helps future and practicing teachers recognize and assess literacy problems, while providing practical, effective intervention strategies to help every student succeed. The author thoroughly explores the major components of literacy, providing an overview of pertinent research, suggested methods and tools for diagnosis and assessment, intervention strategies and activities, and technology applications to increase students' skills. Discussions throughout focus on the needs of English learners, offering appropriate instructional strategies and tailored teaching ideas to help both teachers and their students. Several valuable appendices include assessment tools, instructions and visuals for creating and implementing the book's more than 150 instructional strategies and activities, and other resources.

Health Promotion in Practice John Wiley & Sons

Increasing evidence identifies the possibility of restoring function to the damaged brain via exogenous therapies. One major target for these advances is stroke, where most patients can be left with significant disability. Treatments have the potential to improve the victim's quality of life significantly and reduce the time and expense of rehabilitation. Brain Repair After Stroke reviews the biology of spontaneous brain repair after stroke in animal models and in humans. Detailed chapters cover the many forms of therapy being explored to promote brain repair and consider clinical trial issues in this context. This book provides a summary of the neurobiology of innate and treatment-induced repair mechanisms after hypoxia and reviews the state of the art for human therapeutics in relation to promoting behavioral recovery after stroke. Essential reading for stroke physicians, neurologists, rehabilitation physicians and neuropsychologists. Explores the impact of the Enlightenment, the religious re-awakenings and revolution on the Christian church.

From reviews of Deer, eds., Comprehensive Treatment of Chronic Pain by Medical,

Interventional, and Integrative Approaches: "Comprehensive Treatment of Chronic Pain by Medical, Interventional, and Integrative Approaches is a major textbook... [I]t should be a part of all departmental libraries and in the reference collection of pain fellows and pain practitioners. In fact, this text could be to pain as Miller is to general anesthesia." Journal of Neurosurgical Anesthesiology Edited by master clinician-experts appointed by the American Academy of Pain Medicine, this is a soft cover version of the Interventional sections of the acclaimed Deer, eds., Comprehensive Treatment of Chronic Pain by Medical, Interventional, and Integrative Approaches. It is intended as a primary reference for busy clinicians who seek up-to-date and authoritative information about interventional approaches to treating chronic pain. State-of-the-art coverage of full range of techniques: neural blockades, neurolysis blocks, and neurostimulation Review of clinically relevant anatomy and physiology "Key Points" preview contents of each chapter

Between the Sea and the Sky is an inquiry into the religious world of a traditional fishing community on the Southwest coast of India. It explores the vital role religious and spiritual beliefs play in sustaining people in such a precarious, even deadly occupation. Despite periodic natural calamities and the extreme challenges that accompany their everyday lives, a remarkable spirit of resilience is evident in this coastal community. Using the concept of 'lived religion,' Mathew explores the theological, religious, and spiritual contours of this remarkable community, and draws from them broader insights into the nature of belief.

Current research increasingly highlights the role of early literacy in young children's development--and facilitates the growth of practices and policies that promote success among diverse learners. The Handbook of Early Literacy Research presents cutting-edge knowledge on all aspects of literacy learning in the preschool years. Volume 1 covers such essential topics as major theories of early literacy; writing development; understanding learning disabilities, including early intervention approaches; cultural and socioeconomic contexts of literacy development; and tutoring programs and other special intervention efforts.

The Blackwell Companion to Catholicism offers an extensive survey of the history, doctrine, practices, and global circumstances of Roman Catholicism, written by a range of distinguished and experienced Catholic writers. Engages its readers in an informed and informative conversation about Roman Catholic life and thought Embraces the local and the global, the past and the present, life and the afterlife, and a broad range of institutions and activities Considers both what is distinctive about Catholic life and thought, and how Catholicism overlaps with and transforms other ways of thinking and living Topics covered include: peacemaking, violence and wars; money, the vow of poverty and socio-economic life; art by and about Catholics; and men, women and sex

This Essay Planner is a perfect way to plan out your essays. Use this guided notebook for planning your essay. Each interior page includes sections and space to record the following: Title Subject Due Date Word Count Paragraph 1 & Body Paragraph 2 & Body Paragraph 3 & Body Conclusion References & Resources Notes If you need to write an essay or paper for your class room, this essay planner will help you organize your thoughts into essay format. Size is 6x9 inches, 100 pages, soft matte finish cover, white paper, black ink, paperback.

International experts present in this volume advances in reconstructive neurosurgery focusing on the fields of neurotrauma and neurodegenerative disorders. The highlights include building an international strategy for risk reduction, documenting a multidisciplinary approach towards restoration of function in paraplegic spinal cord-injured patients, describing a new approach for statistical analysis in traumatic brain injury trials, describing blood flow changes in diffuse brain injury, discussing rehabilitation programs in Germany following acute brain injury, describing research data from Taiwan on neurotrauma, showing the neuropsychiatric effects from deep brain stimulation for movement disorders, defining the role played by imaging for deep brain stimulation targeting in mental illness, using radiosurgery in decompression in the

treatment of trigeminal neuralgia, describing the development of radiosurgery from brain to the spine, listing new transgenic animal models of Parkinson's disease, discussing gene therapy for neuropathic pain and Parkinson's disease, and finally, discussing constrained-induced movement therapy for stroke patients, and endovascular therapy for cerebrovascular disorders. Collection of twenty-one papers presented at an international symposium on the theme "cultural relations between Portugal and Goa" at the University of Cologne, 29 May-2 June 1996; chiefly covers the 16th-18th centuries.

This book covers stereotactic principles as well as functional stereotaxis, covering the history and uses of the techniques, treatments for specific conditions, and future developments. Includes a DVD demonstrating surgical procedures.

The second edition of *Neuro-Oncology: The Essentials* presents a comprehensive, highly readable introduction to the fundamental science and core clinical concepts for successfully managing common problems in neuro-oncology. Tightly focused chapters provide up-to-date systematic coverage of biology, imaging, surgery, radiation, chemotherapy, and biological concepts. The book addresses specific tumor types in separate chapters, providing detailed discussion of background, incidence, clinical features, management, surgical approaches, recurrence, and outcomes. Highlights: Pearls, pitfalls, controversies, and special considerations in textboxes -- ideal for rapidly reviewing key points More than 250 photographs and illustrations demonstrate important concepts This book is an invaluable reference for neurosurgeons, neurologists, oncologists, residents and fellows in these specialties, as well as for students.

This book gathers the latest advances, innovations, and applications in the field of innovative biosystems engineering for sustainable agriculture, forestry and food production. Focusing on the challenges of implementing sustainability in various contexts in the fields of biosystems engineering, it shows how the research has addressed the sustainable use of renewable and non-renewable resources. It also presents possible solutions to help achieve sustainable production. The Mid-Term Conference of the Italian Association of Agricultural Engineering (AIIA) is part of a series of conferences, seminars and meetings that the AIIA organizes, together with other public and private stakeholders, to promote the creation and dissemination of new knowledge in the sector. The contributions included in the book were selected by means of a rigorous peer-review process, and offer an extensive and multidisciplinary overview of interesting solutions in the field of innovative biosystems engineering for sustainable agriculture.

Most strokes are attributed to atherosclerosis of neck and intracranial arteries, brain embolism from the heart, and penetrating artery disease; these are discussed in detail in many other books. This compendium fills an important niche by providing authoritative discussions on the other, less common causes of stroke, including various forms of angiitis, coagulation disorders, infective, paraneoplastic and metabolic disorders that may be associated with stroke, and a number of rare syndromes such as Eales disease and Fabry's disease. This new edition contains detailed, up-to-date information about the nature, diagnosis, and treatment of those relatively uncommon types of cerebrovascular disease that cause strokes. It is therefore a unique scientific and clinical resource that provides a useful reference to help physicians diagnose and treat stroke patients who do not fit well into the usual clinical categories. New chapters include stroke in patients with Lyme disease, scleroderma, Cogan's syndrome, Chagas' disease, and HIV.

This second edition of a successful book provides updated clinical and research knowledge, including information on the licensing of new antiepileptic drugs. All chapters are updated to reflect present accepted practice. New chapters highlighting the importance of the genetic aspects of epilepsy, nonpharmacological treatments, and the impact of epilepsy on families and carers have been added. Ongoing developments in the general population, which will

more likely than not become relevant to the intellectually disabled population, are discussed. The impact of epilepsy on the person themselves and their carers is acknowledged, and person-centred treatment programs with a multifaceted team approach are proposed. This book is aimed at physicians and residents in neurology and pediatrics, as well as other practitioners working with this population, such as neuropsychologists. *Epilepsy and Intellectual Disabilities, Second Edition* is recommended reading for all those caring for this important group of individuals.

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