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### KEY=NEUROSURGERY - GATES KARLEE

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#### LANDMARK PAPERS IN NEUROSURGERY

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Oxford University Press, USA *Evidence-based medicine is a concept that has come to the fore in the past few years. Clinicians are increasingly encouraged to practise patient management based on available evidence in the scientific literature. For example, new pharmacological therapies are only used when large randomized trials have 'proven' that a particular drug is better than existing ones. This is also the case in surgical specialties, although surgery has traditionally seen a lack of use of this information, with individual surgeon's preferences being most influential in treatment choices. However, more recently, there has been a large expansion of trials and studies aimed at providing surgeons with information to guide their choices using firm evidence. This new edition has been revised and expanded to include new data where relevant, and also features a new chapter on pituitary surgery. Landmark Papers in Neurosurgery 2e remains a key collection of the most important trials and studies in neurosurgery, allowing the reader to rapidly extract key results, and making it essential reading for all neurosurgeons and trainees in the field.*

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#### LANDMARK PAPERS IN NEUROLOGY

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*Landmark Papers in Neurology Brings together the ten most important papers for each sub-speciality within neurology, covering the full range of major neurological conditions. Papers are selected by international experts, who not only summarize what each paper showed, but place them into a wider context demonstrating how their sub-speciality has developed.*

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#### CURRENT TECHNIQUES IN CANINE AND FELINE NEUROSURGERY

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John Wiley & Sons 29 *Physical Rehabilitation of the Neurological Patient -- Introduction -- Neurorehabilitation -- Physical Modalities -- Therapeutic Exercises -- Prevention and Treatment of Bad Habits -- Management of the Recumbent Patient -- References -- Index -- End User License Agreement*

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#### LANDMARK PAPERS IN PAIN

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#### SEMINAL PAPERS IN PAIN WITH EXPERT COMMENTARIES

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Oxford University Press *Pain Medicine, a relatively new specialty, has proven increasingly relevant to medical practitioners in every field. The specialism of pain has emerged over the past 50 years, largely due to the persistence of experts and new medical evidence that points to its necessity. Today, it is a distinct and integral part of global medical practice. Landmark Papers in Pain offers a comprehensive inventory of over 80 key studies in pain medicine from the last 100 years. Each paper is accompanied by a concise commentary on the significance of the original findings written by an expert in pain. The reviews discuss how the paper influenced the development of the speciality, and how the findings have advanced our global comprehension of pain. Together, the selected papers and reviews chart the growth of an embryonic field into the modern speciality of pain medicine. Compiled by leading specialists in the field, the papers included in this book are significant for any student, researcher, clinical practitioner, or medical historian interested in pain medicine. Organised into eight distinct topics and cross-referenced by topics and author of original paper, the book is comprehensive in its coverage and easy to use. A review of the contemporary and historical research that shaped the speciality of pain, Landmark Papers in Pain is essential reading for all medical practitioners with an interest in pain medicine.*

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#### LANDMARK PAPERS IN PSYCHIATRY

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Oxford University Press, USA *Advances in the practice of psychiatry have occurred in "fits and starts" over the last several decades. These advances are evident to anyone long affiliated with the field and are best appreciated through direct experience of living through the times. These advances can also be gleaned from historical overviews in textbooks or the recollections of one's teachers and mentors. Returning to the original papers that have ushered in these changes is rarely done for various, mostly practical, reasons. Filtering through thousands of articles in psychiatry may prove daunting, access to the manuscripts may be limited (especially for papers not available electronically), and understanding their impact requires a broader context. Moreover, with so much active research currently occurring in various branches of psychiatry, current practitioners or trainees may find their attention focused on the present, and this is reinforced by electronic search algorithms, which return articles in reverse chronological order. Not surprisingly, citations for articles in virtually all fields decline precipitously for articles over five years old. As scholars and professionals, we are losing touch with our academic heritage. Yet navigating the future of psychiatry requires a firm understanding of its past. This resource serves as a guide for anyone seeking to understand the evolution of psychiatry as a scientific discipline. It does so by summarizing over 100 landmark papers in psychiatry and placing their scientific contributions within a historical context. An introductory section sets the stage for the major theoretical constructs within the field, with chapters devoted to ontology and nosology. Subsequent sections examine major facets of the theory and practice of psychiatry, such as pathogenesis of psychiatric illness, pharmacotherapy, psychotherapy, and somatic treatments. These sections are divided logically into chapters addressing important contributions to the understanding and treatment of specific disorders. A final section explores ethical considerations within each field. This framework echoes the complexity of psychiatry, which cannot be reduced to a single set of diagnoses or subspecialty categories. Highlighting the research trajectory of psychiatry, this resource will appeal to academics, trainees, and practitioners who desire a comprehensive, easy-to-read, up-to-date collection of psychiatry's pivotal moments. By understanding the challenges, inspirations, and insights from the past, readers will be better poised to address new and ongoing challenges within the field.*

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#### LANDMARK PAPERS IN OTOLARYNGOLOGY

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Oxford University Press *Otolaryngological conditions affect people of all ages from newborns to older members of society, and have serious consequences for daily functions such as breathing, taste, and communication. There is a constant desire to understand the best evidence for current practice in a constantly evolving field such as medicine, and key publications underpin this contemporary knowledge. Landmark Papers in Otolaryngology presents a distilled summary of 99 of the classic, ground-breaking, and significant publications in the field of otolaryngology that are of essential relevance to the speciality today. Each paper is described, critiqued, and brought into the context of modern-day practice by a carefully selected team of international authorities from each subspecialist area to provide the reader with a clear understanding of the key publications in otolaryngology. Whether your aim is to understand the origins of otolaryngology, to review advances in key areas, or to gain insight from experts, this book offers a wealth of knowledge for everyone in the field, from the new trainee to the senior clinician. Landmark Papers in Otolaryngology is an invaluable and easily accessible reference text for all practitioners in the field, as well as those in overlapping specialities such as maxillofacial surgery, neurology, and plastic surgery.*

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#### LANDMARK PAPERS IN GENERAL SURGERY

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Oxford University Press *Critiquing key papers in the field, Landmark Papers in General Surgery gives surgeons and trainees an expert appraisal and contextual discussion of the evidence base behind current clinical practice, all in a clear and easy-access layout.*

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#### CONGRESS OF NEUROLOGICAL SURGEONS ESSENTIAL PAPERS IN NEUROSURGERY

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Oxford University Press *The Congress of Neurological Surgeons Essential Papers in Neurosurgery brings to the neurosurgical community a unique collection of critically appraised neurosurgical papers shedding light on some of the most impactful studies in the history of the field. Separating the signal from the noise, this text offers papers that have shaped the practice of neurosurgery, selected through a rigorous process, and commented on by editorialists to reconcile conflicting points and summarize the take-home message of each study. Each paper is reviewed by a panel of two experts who provide editorials evaluating the strengths and weaknesses of the paper as well as the impact it had on the editorialist's personal practice of neurosurgery. This book is equally suited for neurosurgery residents, practicing neurosurgeons, and anyone interested in evidence-based clinical neuroscience. The body of literature covered in this book has in many ways defined the gold standards of neurosurgical practice and is a must-know for every student of neurosurgery.*

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#### THE NEUROSURGEON'S HANDBOOK

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Oxford University Press *A compact, readable and highly-authoritative source of critical neurosurgical information, Neurosurgery has been produced with the participation of some of the world's leading neurosurgeons and neuroclinicians and is based on the curriculum of British, European and North American neurosurgical training programs. The book is extensively illustrated with hundreds of figures demonstrating the imaging features of all major neurosurgical pathologies, including diagrams explaining key anatomical and surgical concepts, and images showing the features of common brain tumours. There are key references at the end of each chapter and critical commentary of neurosurgical literature is also included. The handbook concisely covers all aspects of adult and paediatric neurosurgery. It is systematically and clearly broken down into easy-to-follow sections such as introductory basic concepts, definitions, epidemiology, pathology, clinical and neuroradiological characteristics, clinical management and decision making. Additional sections on operative treatment include the key critical surgical anatomy, and clear, step-by-step descriptions of common surgical techniques. Widely accepted practice guidelines, major classification schemes and common scales are clearly presented and explained.*

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#### 50 LANDMARK PAPERS EVERY SPINE SURGEON SHOULD KNOW

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CRC Press *There has been an exponential increase in the volume and quality of published research relating to spine care over the last several decades. Among thousands of articles, a small fraction has been shown to be truly "game changing," forcing the entire field to pause and take notice. These landmark studies may describe a new procedure or surgical approach, evaluate the relative effects of known treatments or techniques, introduce a new classification system, or provide new insights into natural history or disease prognosis. Such studies form the foundations of spine surgery today. This*

book will be a useful reference not only to the established spine surgeon, but also to neurosurgery and orthopedic residents, as well as to spine surgery fellows as they continue to fortify their knowledge surrounding spinal disorders. Further, this will no doubt serve as a useful evidence-based resource for trainees studying for professional examinations and perhaps most importantly challenge and inspire clinicians to produce high-quality impactful research.

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## CHALLENGING CONCEPTS IN NEUROSURGERY

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### CASES WITH EXPERT COMMENTARY

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*Challenging Concepts* A case-based guide to challenging clinical scenarios in neurosurgery covering the major sub-speciality areas of oncology, vascular neurosurgery, brain and spine trauma, paediatrics, spinal degenerative disease, peripheral and cranial nerves, functional neurosurgery and infection.

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### LANDMARK PAPERS IN ANAESTHESIA

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*Oxford University Press* Part of the groundbreaking Landmark Papers in... series, Landmark Papers in Anaesthesia details 10 key papers in each of the major areas of anaesthesia. Each paper is discussed in detail, summarized, and its strengths and weaknesses highlighted.

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### 50 LANDMARK PAPERS EVERY VASCULAR AND ENDOVASCULAR SURGEON SHOULD KNOW

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*CRC Press* This book identifies the 50 key scientific articles in the field of vascular and endovascular surgery. It provides a commentary to each carefully selected paper and explains why these papers are so important, thus providing every surgeon with the foundation stones of knowledge in this fast-moving area. There has been an exponential increase in the volume and quality of published research relating to vascular and endovascular surgery in recent decades. Among thousands of articles, a small fraction is truly "game changing." Such studies form the foundations of vascular surgery today and the selection of papers within this book provide the 50 landmark papers every 21st-century vascular and endovascular surgeon needs to know. A valuable reference not only to the established surgeon, but also to vascular surgery residents and trainees, as well as to more experienced surgeons as they continue to learn new techniques and approaches and to improve their knowledge of vascular disorders and treatments. The papers provide an evidence-based resource for those surgeons preparing for professional exams and may inspire clinicians to produce new research. About the Editors Juan Carlos Jimenez MD, MBA Professor of Surgery Gonda (Goldschmied) Vascular Center David Geffen School of Medicine at UCLA Los Angeles, California Samuel Eric Wilson, MD Distinguished Professor of Surgery and Chair Emeritus University of California Irvine Irvine, California

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### SURGERY OF SPINAL CORD TUMORS BASED ON ANATOMY

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#### AN APPROACH BASED ON ANATOMIC COMPARTMENTALIZATION

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*Springer Nature* This book describes and illustrates an approach to surgery for spinal cord tumors that is based on a refined concept of anatomic compartmentalization. The aim of this approach is to enable maximum preservation of spinal cord function through confinement of the surgical work to the involved compartment or compartments. Importantly, this involvement differs according to tumor type, and the classification favored by the author takes this fully into account. After introductory chapters on epidemiology and pathology, the anatomy of the spinal cord relevant to surgery for spinal cord tumors is discussed in detail and the proposed classification is clearly explained. The surgical approach to each of the identified anatomic compartments is then described, with attention to the roles of intraoperative mapping techniques, diffusion tensor imaging, and electrophysiologic studies in ensuring that spinal cord functions are spared. Examples of the author's experience when applying the proposed approach are presented. The book is meant for neurosurgeons at all levels of experience.

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### MICRONEUROSURGERY

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*Thieme Medical Publishers* AVM of the Brain, History, Embryology, Pathological Considerations, Hemodynamics, Diagnostic Studies, Microsurgical Anatomy

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### LANDMARK PAPERS IN RHEUMATOLOGY

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*Oxford University Press, USA* Rheumatic disease is a major cause of morbidity and disability in the Western world. There have been major developments in our understanding of the causes of rheumatic disease and in their treatment during the last half-century, and there are relatively few papers which can be regarded as truly 'landmark' in their construction and subsequent findings. Part of the Landmark Papers in series, this book provides a detailed review of the seminal papers that have paved the way for breakthroughs in the clinical management of the entire spectrum of rheumatic diseases.

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### LANDMARK CASES IN FORENSIC PSYCHIATRY

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*Oxford University Press (UK)* Forensic psychiatry (the interface of psychiatry and the law), forensic psychology, and mental health law are growing and evolving subspecialties in their respective larger disciplines. Topics included in these fields include a range as diverse as capital sentencing guidelines, informed consent, and standards of care for mental health treatment. All of these topics need to be understood and mastered by clinicians, educators, administrators and attorneys working with psychiatric patients. This book brings together concise, comprehensive summaries of the most important "landmark" legal decisions relating to mental health practice in the United States. These decisions, along with their underlying reasonings, make up a critical portion of the national certification examination for forensic psychiatry offered by the American Board of Psychiatry and Neurology (ABPN). Many of the themes are also tested in the ABPN certification examination for general psychiatry. This book is the first to provide a combination of summaries of the relevant legal content paired with board-style test questions designed to help consolidate knowledge and prepare for certification. Cases with similar themes are grouped together with an eye toward helping the reader understand the evolution of legal and clinical thinking on a particular topic. This book represents an important addition to the study tools and textbooks available related to psychiatry and the law and will serve as a useful reference for clinicians who must follow established legal requirements in their field.

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### LANDMARK PAPERS IN CARDIOVASCULAR MEDICINE

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*OUP Oxford* Landmark Papers in Cardiovascular Medicine provides a thorough and wide-ranging analysis of core examples of novel research, clinical trials and seminal papers published in the medical literature that have paved the way for breakthroughs in the management of the entire spectrum of cardiovascular disease. These papers may have produced positive, negative or equivocal findings but are regarded by the experts as having either stimulated a paradigm shift in therapeutic strategy or been the catalyst for new and improved methods of research, diagnosis or drug development. Our aim is to provide both a benchmark and inspiration for future work in the field of cardiovascular medicine and also to give the reader an insight into the mechanics and infrastructure of how high-quality evidence-based medicine has been produced. Each trial summary is punctuated by sections on 'strengths and limitations', 'impact on the field', 'learning points' and 'further reading' suggestions that allow for a completely holistic analysis of the data. The experts also give their views on what research is currently underway, their hopes for the future and what advances they predict will occur in each subspecialty field of cardiovascular medicine, making this book essential reading for all those individuals with an interest in the field.

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### NEUROSURGERY

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#### THE ESSENTIAL GUIDE TO THE ORAL AND CLINICAL NEUROSURGICAL EXAM

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*CRC Press* Neurosurgery: The Essential Guide to the Oral and Clinical Neurosurgical Examination is the first book of its kind to cover the International and Intercollegiate FRCS Specialty Examination in Neurosurgery. It will also help you prepare for the American Board of Neurological Surgery (ABNS) examination and other neurosurgical examinations around the world. Written by neurosurgeons, this book is a hands-on guide that translates basic science and theories of neurosurgery into clinical practice. This comprehensive resource takes a standardized and logical approach to the clinical neurosurgical examination. Based on the authors' own clinical practice, teaching and examination experiences, this book provides candidates with a firm grasp of neuroscience and the ability to solve problems under pressure. Scenario- and patient-based, the book covers history-taking, clinical examination, differential diagnosis, investigations, management, treatment options and potential complications. The text is based on the Royal College of Surgeons of England and U.S. board syllabuses. In addition to serving as a reliable preparation resource for the neurosurgical examination, it will also be invaluable in your future surgical practice.

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#### 50 STUDIES EVERY INTENSIVIST SHOULD KNOW

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*Oxford University Press* This title presents key studies that have shaped the practice of critical care medicine. Selected using a rigorous methodology, the studies cover topics including: sedation and analgesia, resuscitation, shock, ARDS, nutrition, renal failure, trauma, infection, diabetes, and physical therapy

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#### 50 STUDIES EVERY INTERNIST SHOULD KNOW

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*Oxford University Press, USA* 50 Studies Every Internist Should Know presents key studies that shape today's practice of internal medicine. Selected using a rigorous methodology, the studies cover topics including: preventative medicine, endocrinology, hematology and oncology, musculoskeletal diseases, nephrology, gastroenterology, infectious diseases, cardiology, pulmonology, geriatrics and palliative care, and mental health. For each study, a concise summary is presented with an emphasis on the results and limitations of the study, and its implications for practice. An illustrative clinical case concludes each review, followed by brief information on other relevant studies. This book is a must-read for health care professionals and anyone who wants to learn more about the data behind clinical practice.

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#### 50 STUDIES EVERY UROLOGIST SHOULD KNOW

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*Oxford University Press, USA* "Research Question: In men at risk for prostate cancer, does prostate-specific antigen screening compare to no screening reduce prostate cancer mortality? Funding: Several sources including Europe Against Cancer, the fifth and sixth framework program of the European Union, Beckman Coulter as well as several local grants"--

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### LANDMARK PAPERS IN NEPHROLOGY

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*Oxford University Press* This book selects the most important scientific papers related to kidney disease and comments on their significance within the wider field. Fascinating reading for both nephrologists and medical historians, no doubt giving rise to further debate over the origins and progress of nephrology.

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## 50 STUDIES EVERY NEUROLOGIST SHOULD KNOW

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**Oxford University Press** *50 Studies Every Neurologist Should Know* presents key studies that shape the current clinical practice of neurology. All neurologic subspecialties are covered, with a special emphasis on neurocritical care and vascular neurology. For each study, a concise summary is presented with an emphasis on the results and limitations of the study, and its implications for practice. An illustrative clinical case concludes each review, followed by brief information on other relevant studies. This is the first book of its kind to present a collection of the most influential clinical trials in neurology that are detailed enough to be used on rounds, but still easily digestible. It is a must-read for health care professionals and anyone who wants to learn more about the data behind clinical practice.

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## OXFORD CASE HISTORIES IN NEUROSURGERY

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**OUP Oxford** Part of the Oxford Case Histories series, this volume includes 65 neurosurgical cases covering core topics specified in the UK Neurosurgical Training Curriculum. Cases are drawn from the following clinical areas: trauma, vascular neurosurgery, tumours, spinal neurosurgery, hydrocephalus and paediatric neurosurgery, functional neurosurgery, and medical problems in neurosurgery. Revolving around actual patients and the relevant knowledge required in specific situations for decision making in clinical practice, this book will serve as an invaluable educational tool to help trainees, doctors, and practising neurosurgeons manage the a wide variety of clinical scenarios encountered in neurosurgery.

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## NEUROSURGERY FOR SURGICAL TRAINEES

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## SKULL BASE SURGERY OF THE POSTERIOR FOSSA

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**Springer** This text provides a comprehensive and contemporary overview of surgical approaches to lesions of the posterior fossa. It will serve as a resource for neurosurgeons and otologists who treat patients with tumors and vascular diseases of the posterior fossa. It provides a concise review of surgical strategies that address the most important pathologies affecting the posterior fossa. It is richly illustrated with photographs and illustrations of the surgical strategies covered. All chapters are written by experts with world-wide recognition for their contributions in their respective subspecialty. *Skull Base Surgery of the Posterior Fossa* will be of great utility to Neurosurgeons, Otolaryngologists, and Radiation Therapists with an interest in diseases that affect the posterior fossa, as well as Senior Residents in Neurosurgery and Otolaryngology, and Fellows of Skull Base Surgery and Otology.

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## NEUROLOGY IN AFRICA

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**Cambridge University Press** This practical, comprehensive and highly illustrated book will be invaluable to students and doctors of neurology and internal medicine in Africa.

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## HOW TO READ A PAPER

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## THE BASICS OF EVIDENCE-BASED MEDICINE

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**John Wiley & Sons** The best-selling introduction to evidence-based medicine In a clear and engaging style, *How to Read a Paper* demystifies evidence-based medicine and explains how to critically appraise published research and also put the findings into practice. An ideal introduction to evidence-based medicine, *How to Read a Paper* explains what to look for in different types of papers and how best to evaluate the literature and then implement the findings in an evidence-based, patient-centred way. Helpful checklist summaries of the key points in each chapter provide a useful framework for applying the principles of evidence-based medicine in everyday practice. This fifth edition has been fully updated with new examples and references to reflect recent developments and current practice. It also includes two new chapters on applying evidence-based medicine with patients and on the common criticisms of evidence-based medicine and responses. *How to Read a Paper* is a standard text for medical and nursing schools as well as a friendly guide for everyone wanting to teach or learn the basics of evidence-based medicine.

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## SAMII'S ESSENTIALS IN NEUROSURGERY

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**Springer Science & Business Media** Whatever you may say about Professor Samii, his take on neurosurgery cannot be ignored. In this book readers will find pieces that express the philosophy of the most well-known 'Neurosurgical School'. International experts present Professor Samii's teaching and philosophy in dealing with the most difficult neurosurgical pathologies as well as future developments. Basic concepts in neurosurgical sciences, modern surgical techniques and cutting-edge technology are presented in detail.

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## QUEEN SQUARE: A HISTORY OF THE NATIONAL HOSPITAL AND ITS INSTITUTE OF NEUROLOGY

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**Cambridge University Press** A comprehensive history of the National Hospital, Queen Square, and its Institute, placed within the context of British neurology.

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## A GUIDE TO THE SCIENTIFIC CAREER

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## VIRTUES, COMMUNICATION, RESEARCH, AND ACADEMIC WRITING

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**John Wiley & Sons** A concise, easy-to-read source of essential tips and skills for writing research papers and career management In order to be truly successful in the biomedical professions, one must have excellent communication skills and networking abilities. Of equal importance is the possession of sufficient clinical knowledge, as well as a proficiency in conducting research and writing scientific papers. This unique and important book provides medical students and residents with the most commonly encountered topics in the academic and professional lifestyle, teaching them all of the practical nuances that are often only learned through experience. Written by a team of experienced professionals to help guide younger researchers, *A Guide to the Scientific Career: Virtues, Communication, Research and Academic Writing* features ten sections composed of seventy-four chapters that cover: qualities of research scientists; career satisfaction and its determinants; publishing in academic medicine; assessing a researcher's scientific productivity and scholarly impact; manners in academics; communication skills; essence of collaborative research; dealing with manipulative people; writing and scientific misconduct: ethical and legal aspects; plagiarism; research regulations, proposals, grants, and practice; publication and resources; tips on writing every type of paper and report; and much more. An easy-to-read source of essential tips and skills for scientific research Emphasizes good communication skills, sound clinical judgment, knowledge of research methodology, and good writing skills Offers comprehensive guidelines that address every aspect of the medical student/resident academic and professional lifestyle Combines elements of a career-management guide and publication guide in one comprehensive reference source Includes selected personal stories by great researchers, fascinating writers, inspiring mentors, and extraordinary clinicians/scientists *A Guide to the Scientific Career: Virtues, Communication, Research and Academic Writing* is an excellent interdisciplinary text that will appeal to all medical students and scientists who seek to improve their writing and communication skills in order to make the most of their chosen career.

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## TO ERR IS HUMAN

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## BUILDING A SAFER HEALTH SYSTEM

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**National Academies Press** Experts estimate that as many as 98,000 people die in any given year from medical errors that occur in hospitals. That's more than die from motor vehicle accidents, breast cancer, or AIDS--three causes that receive far more public attention. Indeed, more people die annually from medication errors than from workplace injuries. Add the financial cost to the human tragedy, and medical error easily rises to the top ranks of urgent, widespread public problems. *To Err Is Human* breaks the silence that has surrounded medical errors and their consequence--but not by pointing fingers at caring health care professionals who make honest mistakes. After all, to err is human. Instead, this book sets forth a national agenda--with state and local implications--for reducing medical errors and improving patient safety through the design of a safer health system. This volume reveals the often startling statistics of medical error and the disparity between the incidence of error and public perception of it, given many patients' expectations that the medical profession always performs perfectly. A careful examination is made of how the surrounding forces of legislation, regulation, and market activity influence the quality of care provided by health care organizations and then looks at their handling of medical mistakes. Using a detailed case study, the book reviews the current understanding of why these mistakes happen. A key theme is that legitimate liability concerns discourage reporting of errors--which begs the question, "How can we learn from our mistakes?" Balancing regulatory versus market-based initiatives and public versus private efforts, the Institute of Medicine presents wide-ranging recommendations for improving patient safety, in the areas of leadership, improved data collection and analysis, and development of effective systems at the level of direct patient care. *To Err Is Human* asserts that the problem is not bad people in health care--it is that good people are working in bad systems that need to be made safer. Comprehensive and straightforward, this book offers a clear prescription for raising the level of patient safety in American health care. It also explains how patients themselves can influence the quality of care that they receive once they check into the hospital. This book will be vitally important to federal, state, and local health policy makers and regulators, health professional licensing officials, hospital administrators, medical educators and students, health caregivers, health journalists, patient advocates--as well as patients themselves. First in a series of publications from the *Quality of Health Care in America*, a project initiated by the Institute of Medicine

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## HISTORY OF NEUROLOGY

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**Elsevier** *Handbook of Clinical Neurology: Volume 95* is the first of over 90 volumes of the handbook to be entirely devoted to the history of neurology. The book is a collection of historical materials from different neurology professionals. The book is divided into 6 sections and composed of 55 chapters organized around different aspects of the history of neurology. The first section presents the beginnings of neurology: ancient trepanation, its birth in Mesopotamia, ancient Egypt; the emergence of neurology in the biblical text and the Talmud; neurology in the Greco-Roman world and the period following Galen; neurological conditions in the European Middle Ages; and the development of neurology in the 17th and 18th centuries. The second section narrates the birth of localization theory; the beginning of neurology and histological applications, neuroanatomy, neurophysiology, surgical neurology and other anatomico-clinical methods. The third section covers further development of the discipline, including methods of neurological illustration and hospitals in neurology and neurosurgery. This section also narrates the history of child neurology, neurodisability and neuroendocrinology. It also features the application of molecular biology on clinical neurology. The fourth section describes the dysfunctions of the nervous system and their history. The fifth and last section covers the regional landmarks of neurology and the different treatments and recovery. The text is informative and useful for neuroscience or neurology professional, researchers, clinical practitioners, mental health experts, psychiatrists, and academic students and scholars in neurology. \* A comprehensive accounting of historical developments and modern day advancements in the field of neurology \* State-of-the-art information on topics including brain damage and dysfunctions of the nervous system \* New treatments and recovery methods from redundancy to vicariation and neural transplantation, amongst others

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## NEUROSURGICAL EMERGENCIES

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**Thieme** This edition of *Neurosurgical Emergencies* is an up-to-date reference covering the most frequently encountered neurosurgical emergencies caused by disease, infection, trauma, and complications. It presents the current surgical guidelines for managing the full range of neurosurgical emergencies including those involving intracranial, spinal, and peripheral nerve pathology, and neurosurgical problems in pediatric patients. Expert specialists present their clinical insights in easy-to-follow protocols. Concise descriptions enable the reader to rapidly gain a firm understanding of pathogenesis of the problem, classification of injury, evaluation, clinical presentation, imaging, surgical indications, surgical approaches, and prognosis. Highlights: New chapters on the assessment of acute loss of consciousness, emergency management of spinal cord injury, and the management of raised intracranial pressure. More than 200 illustrations and images demonstrate key concepts. This authoritative text is an ideal resource for all neurosurgeons, residents, and specialists in emergency medicine. (A co-publication of Thieme and the American Association of Neurological Surgeons)

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## RHOTON'S CRANIAL ANATOMY AND SURGICAL APPROACHES

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Oxford University Press, USA *THE DEFINING WORK IN NEUROSURGERY, REISSUED FOR A NEW GENERATION OF TECHNICAL EXCELLENCE* Cranial Anatomy and Surgical Approaches is the master work of the legendary neurosurgeon Albert L. Rhoton, Jr. -- a distillation of 40 years of work to improve safety, accuracy, and gentleness in the medical specialty the author helped shape. Newly reissued and featuring more than 2000 full-color illustrations, this definitive text on the microsurgical anatomy of the brain remains an essential tool for the education and enrichment of neurosurgeons at any career stage. It fulfills its author's hopes to make, in his words, the "delicate, fateful, and awesome" procedures of neurosurgery more gentle, accurate, and safe. Across three sections, *Cranial Anatomy and Surgical Approaches* details the safest approaches to brain surgery, including: ♦ Micro-operative techniques and instrument selection ♦ Microsurgical anatomy and approaches to the supratentorial area and anterior cranial base, including chapters on aneurysms, the lateral and third ventricles, cavernous sinus and sella. ♦ Anatomy and approaches to the posterior cranial fossa and posterior cranial base, including chapters on the fourth ventricle, tentorial incisura, foramen magnum, temporal bone, and jugular foramen ♦ Supra- and infratentorial areas, including chapters on the cerebrum and cerebellum and their arteries and veins

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## TIMING OF ANEURYSM SURGERY

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Walter de Gruyter GmbH & Co KG

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## PEDIATRIC HYDROCEPHALUS

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Springer Science & Business Media In the last ten years the pediatric neurosurgeon has witnessed a real revolution in the diagnosis and treatment of pediatric hydrocephalus, the most frequently encountered condition in everyday clinical practice. The evolution of MRI and the advent of neuroendoscopic surgery have resuscitated the interest in the classification, etiology and pathophysiology of hydrocephalus. The book offers an updated overview on the recent progress in this field, and a new approach to hydrocephalus: the reader will find in it a modern and new presentation of an old disease, where genetics, endoscopy, cost-effectiveness analyses and many other aspects of the various therapies are extensively discussed. The volume will be useful not only for neurosurgeons, but for all specialists interested in the various aspects of hydrocephalus: pediatricians, radiologists, endocrinologists, pathologists and geneticists.

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## NEUROVASCULAR SURGERY

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### SURGICAL APPROACHES FOR NEUROVASCULAR DISEASES

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Springer This open access book presents the diagnosis, investigation and treatment of neurovascular diseases, and offers expert opinions and advice on avoiding complications in neurovascular surgery. It also covers complication management and post-operative follow-up care. The book is divided into three parts; the first part discusses common approaches in neurovascular surgery, describing the steps, indications for and limitations of the approach, as well as the associated complications and how to avoid them. The second part addresses surgical treatment based on pathology, taking the different locations of lesions into consideration. The third part focuses on the technological developments that support neurovascular surgery, which may not be available everywhere, but have been included to help vascular surgeon understand the principles. This book is a guide for young neurosurgeons, neurosurgery residents and neurosurgery fellows, as well as for medical students and nurses who are interested in neurosurgery or are associated with this field in any way. It is also a useful teaching aid for senior neurosurgeons.

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## MENTAL CAPITAL AND WELLBEING

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John Wiley & Sons This major new reference presents *The Foresight Mental Capital and Wellbeing Project* (a UK Government project in the Government Office for Science). It offers a comprehensive exploration of how mental capital and wellbeing operate over the lifespan; how experiences in the family, in school, at work and following retirement augment or reduce mental capital and wellbeing, and the impact that this has for the individual and for the welfare and economic progress of the nation. *Mental Capital and Wellbeing* comprises a series of scientific reviews written by leading international scientists and social scientists in the field. The reviews undertake systematic analyses of the evidence base surrounding five key themes, on which they propose future policies will have to be based. An internationally renowned team of Editors introduce each theme and draw together conclusions in terms of both policy and practice. Section 1 (*Mental Capital and Wellbeing Through Life*) - Mental capital refers to the totality of an individual's cognitive and emotional resources, including their cognitive capability, flexibility and efficiency of learning, emotional intelligence and resilience in the face of stress. The extent of an individual's resources reflects his or her basic endowment (e.g. genes and early biological programming), motivation and experiences (e.g. education) which take place throughout the life course. This section presents the very latest on the science of mental capital throughout life. Section 2 (*Learning Through Life*) provides a coherent overview of a fast-moving and complex field of policy and practice. Educational attainment has a considerable impact on physical and mental wellbeing, both directly and indirectly, by enabling people better to achieve their goals. The ability to continue learning throughout the lifespan is critical to a successful and rewarding life in contemporary societies. Section 3 (*Mental Health and Ill-Health*) draws together the most recent evidence about positive mental health as well as a range of mental disorders to consider their importance to the population and economy in terms of prevalence and disability and the wider burden on society. Section 4 (*Wellbeing and Work*) - It is estimated that 13 million working days are lost through stress each year, costing the economy over £3.7 billion per annum. This theme explores those drivers that influence the nature and structure of work and the impact this has on employee wellbeing. Section 5 (*Learning Difficulties*) - This theme provides a cutting-edge picture of how recent insights from genetics, cognitive and neuroscience improve our understanding of learning difficulties such as dyslexia, dyscalculia and attention-deficit-hyperactivity disorder. Reviews focus on how current research can contribute to early diagnosis and improved intervention.