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Practical Management of Pain E-Book Honorio Benzon 2013-09-11 Obtain all the core knowledge in pain management you need from one of the most trusted resources in the field. The new edition of Practical Management of Pain gives you completely updated, multidisciplinary overview of every aspect of pain medicine, including evaluation, diagnosis of pain syndromes, rationales for management, treatment modalities, and much more. It is all the expert guidance necessary to offer your patients the best possible relief. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Access up-to-the-minute knowledge on all aspects of pain management, from general principles to specific management techniques, with contributions from renowned pain management experts. Understand and apply the latest developments in pain management with brand-new chapters covering disability assessment, central post-stroke pain, widespread chronic pain, and burn pain. Effectively ease your patients' pain with today's best management techniques, including joint injections, ultrasound-guided therapies, and new pharmacologic agents (such as topical analgesics).

Creasy and Resnik's Maternal-Fetal Medicine: Principles and Practice E-Book Robert K. Creasy 2013-09-17 Minimize complications with Creasy and Resnik's Maternal-Fetal Medicine. This medical reference book puts the most recent advances in basic science, clinical diagnosis, and management at your fingertips, equipping you with the up-to date evidence-based guidelines and knowledge you need to ensure the best possible outcomes in maternal-fetal medicine. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Apply today's best practices in maternal-fetal medicine with an increased emphasis on evidence-based medicine. Find dependable, state-of-the-art answers to any clinical question with comprehensive coverage of maternal-fetal medicine from the foremost researchers and practitioners in obstetrics, gynecology and perinatology. Take advantage of the most recent diagnostic advances with a new section on Obstetrical Imaging, complemented by online ultrasound clips as well as cross references and links to genetic disorder databases. Stay on top of rapidly evolving maternal-fetal medicine through new chapters on Recurrent Spontaneous Abortion, Stillbirth, Patient Safety, Maternal Mortality, and Substance Abuse, as well as comprehensive updates on the biology of parturition, fetal DNA testing from maternal blood, fetal growth, prenatal genetic screening and diagnosis, fetal cardiac malformations and arrhythmias, thyroid disease and pregnancy, management of depression and psychoses during pregnancy and the puerperium, and much more. Access the

complete contents online at Expert Consult.

Cummings Otolaryngology E-Book Paul W. Flint 2020-04-22 The most comprehensive, multi-disciplinary text in the field, Cummings Otolaryngology: Head and Neck Surgery, 7th Edition, provides detailed, practical answers and easily accessible clinical content on the complex issues that arise for otolaryngologists at all levels, across all subspecialties. This award-winning text is a one-stop reference for all stages of your career—from residency and board certification through the challenges faced in daily clinical practice. Updated content, new otology editor Dr. Howard W. Francis, and new chapters and videos ensure that this 7th Edition remains the definitive reference in today's otolaryngology. Brings you up to date with the latest minimally invasive procedures, recent changes in rhinology, and new techniques and technologies that are shaping patient outcomes. Contains 12 new chapters, including Chronic Rhinosinusitis, Facial Pain, Geriatric Otology, Middle Ear Endoscopic Surgery, Pediatric Speech Disorders, Pediatric Cochlear Implantation, Tongue-Ties and Lip Ties, Laryngotracheal Clefts, and more. Covers recent advances and new approaches such as the Draf III procedure for CRS affecting the frontal recess, endoscopic vidian and posterior nasal neurectomy for non-allergic rhinitis, and endoscopic approaches for sinonasal and orbital tumors, both extra- and intraconal. Provides access to 70 key indicator (Accreditation Council for Graduate Medical Education Key Indicator Procedures), and surgical videos – an increase of 43% over the previous edition. Offers outstanding visual support with 4,000 high-quality images and hundreds of quick-reference tables and boxes.

Pediatric Critical Care E-Book Bradley P. Fuhrman 2016-11-29 Still the #1 resource for today's pediatric ICU teams, Pediatric Critical Care, 5th Edition covers the entire field, from basic science to cutting-edge clinical applications. Drs. Bradley P. Fuhrman and Jerry J. Zimmerman, accompanied by an expert team of editors and contributors from around the world, bring you today's best information on the current and future landscape of pediatric critical care so you can consistently deliver optimum care to your young patients. Boasts highly readable, concise chapters with hundreds of useful photos, diagrams, algorithms, and clinical pearls. Clear, logical, organ-system approach allows you to focus on the development, function, and treatment of a wide range of disease entities. Includes new content on the expanding use of ultrasound at the bedside and the increase in nursing responsibilities in the PICU. Eighteen new chapters cover topics such as delirium, metabolism, endocrinology, nutrition, nursing, and much more. Features expanded and updated information on critical communication, professionalism, long-term outcomes, palliative care, ultrasonography, PCCM in resource-limited settings, ventilator-induced lung injury, non-invasive ventilation, updated CNS pathophysiology, the 'Erythron', and immunity and infection.

Electrical Engineering 101 Darren Ashby 2011-10-13 Electrical Engineering 101 covers the basic theory and practice of electronics, starting by answering the question "What is electricity?" It goes on to explain the fundamental principles and components, relating them constantly to real-world examples. Sections on tools and troubleshooting give engineers deeper understanding and the know-how to create and maintain their own electronic design projects. Unlike other books that simply describe electronics and provide step-by-step build instructions, EE101 delves into how and why electricity and electronics work, giving the reader the tools to take their electronics education to the next level. It is written in a down-to-earth style and explains jargon, technical terms and schematics as they arise. The author builds a genuine understanding of the fundamentals and shows how they can be applied to a range of

engineering problems. This third edition includes more real-world examples and a glossary of formulae. It contains new coverage of: Microcontrollers FPGAs Classes of components Memory (RAM, ROM, etc.) Surface mount High speed design Board layout Advanced digital electronics (e.g. processors) Transistor circuits and circuit design Op-amp and logic circuits Use of test equipment Gives readers a simple explanation of complex concepts, in terms they can understand and relate to everyday life. Updated content throughout and new material on the latest technological advances. Provides readers with an invaluable set of tools and references that they can use in their everyday work.

Breastfeeding E-Book Ruth A. Lawrence 2010-09-30 Breastfeeding is a comprehensive reference that provides basic science information as well as practical applications. Dr. Ruth Lawrence—a pioneer in the field of human lactation—covers the uses of certain drugs in lactating women, infectious diseases related to lactation, the latest Australian research on anatomy and physiology, and much more. Provide thoughtful guidance to the breastfeeding mother according to her circumstances, problems, and lifestyle from integrated coverage of evidence-based data and practical experience. Make appropriate drug recommendations, including approved medications, over-the-counter medications, and herbal remedies. Treat conditions associated with breastfeeding—such as sore nipples, burning pain, or hives—using extensive evidence-based information. Apply the latest understanding of anatomy and physiology through coverage of recent Australian CT and MR studies of the breast and its function. Stay current on new research on infectious diseases germane to lactation and new antibiotics, antivirals, and immunizations available for use during lactation. Effectively manage the use of medications during lactation thanks to an updated discussion of this difficult subject. The latest research on breastfeeding and evidence-based solutions for treating associated medical problems from the authority in the field, Dr. Ruth Lawrence

Critical Care Medicine E-Book Joseph E. Parrillo 2013-10-16 Here's the most clinically oriented critical care text focusing on the adult patient. In full-color and superbly illustrated with clinical photographs, imaging studies, and management algorithms, and with a broad multidisciplinary focus, this text will help you enhance your skills at any level of training. Stands alone as a clinically oriented comprehensive reference. Completely updated and authorship expanded to reflect the evolution in critical care practice. In color for the first time, with new color schematics and treatment algorithms for greater ease of reference. Utilizes key points lists at the end of chapter, to help you make decisions rapidly and easily. Delivers key references that list other useful resources for information. Learn from the best ICU specialists worldwide with contributions from an increased number of international authorities. Effectively manage common complications in the ICU with updated coverage of severe sepsis, septic shock, surgical infections, neurogenic and anaphylactic shock, severe heart failure, acute coronary syndromes, and Acute Respiratory Distress Syndrome. Access the complete contents online at Expert Consult, along with an image bank and instructional videos!

Technical questions and answers for job interview Offshore Oil & Gas Platforms Petrogav International Oil & Gas Training Center 2020-06-30 The job interview is probably the most important step you will take in your job search journey. Because it's always important to be prepared to respond effectively to the questions that employers typically ask at a job interview Petrogav International has prepared this eBooks that will help you to get a job in oil and gas industry. Since these questions are so common, hiring managers will expect you to be able to answer them smoothly and without hesitation. This eBook contains 273 questions and

answers for job interview and as a BONUS web addresses to 100 video movies for a better understanding of the technological process. This course covers aspects like HSE, Process, Mechanical, Electrical and Instrumentation & Control that will enable you to apply for any position in the Oil and Gas Industry.

The Book of Codes Paul Lunde 2009 Looks at the history of a variety of signs, symbols, ciphers, and codes in all areas of society, discussing their development, how codes were broken, and how codes were used in secret societies.

Power Struggles Thibault Martin 2008-05-15 *Power Struggles: Hydro Development and First Nations in Manitoba and Quebec* examines the evolution of new agreements between First Nations and Inuit and the hydro corporations in Quebec and Manitoba, including the Wuskwatim Dam Project, Paix des Braves, and the Great Whale Project. In the 1970s, both provinces signed so-called "modern treaties" with First Nations for the development of large hydro projects in Aboriginal territories. In recent times, however, the two provinces have diverged in their implementation, and public opinion of these agreements has ranged from celebratory to outrage. *Power Struggles* brings together perspectives on these issues from both scholars and activists. In debating the relative merits and limits of these agreements, they raise a crucial question: Is Canada on the eve of a new relationship with First Nations, or do the same colonial attitudes that have long characterized Canadian-Aboriginal relations still prevail?

Additive Manufacturing, Second Edition Amit Bandyopadhyay 2019-10-16 The field of additive manufacturing is growing dynamically as the interest is persisting from manufacturing sector, including other sectors as well. Conceptually, additive manufacturing is a way to build parts without using any part-specific tooling or dies from the computer-aided design (CAD) file of the part. Second edition of *Additive Manufacturing* highlights the latest advancements in the field, taking an application oriented approach. It includes new material on traditional polymer based rapid prototyping technologies, additive manufacturing of metals and alloys including related design issues. Each chapter comes with suggested reading, questions for instructors and PowerPoint slides.

What Will Work Kristin Shrader-Frechette 2011-12-12 *What Will Work* makes a rigorous and compelling case that energy efficiencies and renewable energy-and not nuclear fission or "clean coal"-are the most effective, cheapest, and equitable solutions to the pressing problem of climate change. Kristin Shrader-Frechette, a respected environmental ethicist and scientist, makes a damning case that the only reason that debate about climate change continues is because fossil-fuel interests pay non-experts to confuse the public. She then builds a comprehensive case against the argument made by many that nuclear fission is a viable solution to the problem, arguing that data on the viability of nuclear power has been misrepresented by the nuclear industry and its supporters. In particular she says that they present deeply flawed cases that nuclear produces low greenhouse gas emissions, that it is financially responsible, that it is safe, and that its risks do not fall mainly on the poor and vulnerable. She argues convincingly that these are all completely false assumptions. Shrader-Frechette then shows that energy efficiency and renewable solutions meet all these requirements - in particular affordability, safety, and equitability. In the end, the cheapest, lowest-carbon, most-sustainable energy solutions also happen to be the most ethical. This urgent book on the most pressing issue of our time will be of interest to anyone involved in

environmental and energy policy. "An extraordinary achievement by a philosopher-scientist and public intellectual. The book is unmatched in its synthesis of the empirical data, theory and ethics that infuse the climate-change debates. Its overpowering but transparent argument should be mandatory reading for every elected official. Shrader-Frechette takes practical logic and scientific transparency to new heights. The best book written in the last decade on climate change." - Sheldon Krinsky, Tufts University "Shrader-Frechette's book is outstanding. She makes a thorough review of the scientific evidence on nuclear health risks, and also explains the political and economic forces affecting public policy. Very readable for scientists, policy makers, and the public." - Joseph J. Mangano, Radiation and Public Health Project, New York "Fascinating and important! Shrader-Frechette presents the scientific, economic, and ethical evidence for the failure of nuclear power -- it is neither carbon-free nor a viable solution to the energy crisis and global warming. While explaining the nuances of the scientific, economic and ethical arguments, the author teaches the reader why solar and wind energy, along with energy efficiency changes, will yield a safe, healthy, reliable and economically efficient energy future for the planet." - Colleen F. Moore, University of Wisconsin, author of Children and Pollution: Why Scientists Disagree

[Nurse Anesthesia - E-Book](#) John J. Nagelhout 2013-04-11 Take your understanding to a whole new level with Pageburst digital books on VitalSource! Easy-to-use, interactive features let you make highlights, share notes, run instant topic searches, and so much more. Best of all, with Pageburst, you get flexible online, offline, and mobile access to all your digital books. Written specifically for nurse anesthetists, Nurse Anesthesia, 5th Edition provides comprehensive coverage of both scientific principles and evidence-based practice. It offers a complete overview of anatomy, physiology, pharmacology, and pathophysiology, and offers practical coverage of equipment and anesthesia management. This edition includes updated information on pharmacokinetics, clinical monitoring, drug delivery systems, and complications, and revises chapters on airway management and anesthesia for cardiac surgery. Written by leading nurse anesthesia experts John Nagelhout and Karen Plaus, this perennial bestseller prepares anesthesia students and CRNAs for today's clinical anesthesia practice. Over 650 figures of anatomy, nurse anesthesia procedures, and equipment depict complex concepts and information. An easy-to-use organization covers basic principles first, and builds on those with individual chapters for each surgical specialty. UPDATED references make it quick and simple to find the latest and most important research in the field. Over 700 tables and boxes highlight the most essential information in a quick, easy-to-reference format. Expert CRNA authors provide the current clinical information you'll use in daily practice. UPDATED pharmacology information includes pharmacokinetics, drug delivery systems, opiate antagonists, and key induction drugs. Over 100 NEW photos and illustrations enhance your understanding of difficult anesthesia concepts. UPDATED Airway Management and Anesthesia for Cardiac Surgery chapters are thoroughly revised. NEW coverage includes robotics, screening applications, and non-operating room best practices.

Neonatal and Pediatric Respiratory Care - E-Book Brian K. Walsh 2014-03-25 A comprehensive text on respiratory care for neonates, infants, and children, Neonatal and Pediatric Respiratory Care, 4th Edition provides a solid foundation in the assessment and treatment of respiratory care disorders. Clear, full-color coverage emphasizes clinical application of the principles of neonatal/pediatric respiratory care. New to this edition is coverage of the latest advances in clinical practice, a chapter devoted to quality and safety, and summary boxes discussing real-world clinical scenarios. From author Brian Walsh, an

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experienced educator and respiratory therapist, this text is an excellent study tool for the NBRC's Neonatal/Pediatric Specialty exam! A comprehensive, evidence-based approach covers all of the major topics of respiratory care for neonates, infants, and children, including both theory and application. Case studies help you master the more difficult areas of care for neonatal and pediatric disorders. Logical, streamlined organization makes it easier for students to master the material and prepare for an entry-level BS degree and the national Neonatal/Pediatric Specialty credentialing exam. Learning objectives at the beginning of each chapter highlight the "take-aways" by breaking down key content into measurable behaviors, criteria, and conditions. Complete test preparation is provided through coverage of all the content in the matrix for the NPS exam. NBRC exam-style assessment questions test your comprehension of the material in each chapter. Answers to assessment and case study questions are provided on the Evolve companion website. New Quality and Safety chapter addresses quality care for the neonatal/pediatric patient. New Clinical Highlights boxes discuss realistic scenarios to help you apply your knowledge to clinical practice. UPDATED! Over 400 full-color illustrations — plus clear tables and graphs— make it easier to visualize key concepts. New! Key point summary at end of each chapter highlights essential content in a bulleted format. New! Glossary provides easy access to key terms and their definitions. New! Key terms at the beginning of each chapter highlight important terminology.

Power and Prediction Ajay Agrawal 2022-11-15 Disruption resulting from the proliferation of AI is coming. The authors of the bestselling Prediction Machines can help you prepare. Artificial intelligence (AI) has impacted many industries around the world—banking and finance, pharmaceuticals, automotive, medical technology, manufacturing, and retail. But it has only just begun its odyssey toward cheaper, better, and faster predictions that drive strategic business decisions. When prediction is taken to the max, industries transform, and with such transformation comes disruption. What is at the root of this? In their bestselling first book, Prediction Machines, eminent economists Ajay Agrawal, Joshua Gans, and Avi Goldfarb explained the simple yet game-changing economics of AI. Now, in Power and Prediction, they go deeper, examining the most basic unit of analysis: the decision. The authors explain that the two key decision-making ingredients are prediction and judgment, and we perform both together in our minds, often without realizing it. The rise of AI is shifting prediction from humans to machines, relieving people from this cognitive load while increasing the speed and accuracy of decisions. This sets the stage for a flourishing of new decisions and has profound implications for system-level innovation. Redesigning systems of interdependent decisions takes time—many industries are in the quiet before the storm—but when these new systems emerge, they can be disruptive on a global scale. Decision-making confers power. In industry, power confers profits; in society, power confers control. This process will have winners and losers, and the authors show how businesses can leverage opportunities, as well as protect their positions. Filled with illuminating insights, rich examples, and practical advice, Power and Prediction is the must-read guide for any business leader or policymaker on how to make the coming AI disruptions work for you rather than against you.

Statistical Power Analysis for the Behavioral Sciences Jacob Cohen 2013-05-13 Statistical Power Analysis is a nontechnical guide to power analysis in research planning that provides users of applied statistics with the tools they need for more effective analysis. The Second Edition includes: * a chapter covering power analysis in set correlation and multivariate methods; * a chapter considering effect size, psychometric reliability, and the efficacy of "qualifying" dependent variables and; * expanded power and sample size tables for

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multiple regression/correlation.

Power System Analysis and Design J. Duncan Glover 2011-01-03 The new edition of POWER SYSTEM ANALYSIS AND DESIGN provides students with an introduction to the basic concepts of power systems along with tools to aid them in applying these skills to real world situations. Physical concepts are highlighted while also giving necessary attention to mathematical techniques. Both theory and modeling are developed from simple beginnings so that they can be readily extended to new and complex situations. The authors incorporate new tools and material to aid students with design issues and reflect recent trends in the field. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Understanding Pathophysiology - E-Book Sue E. Huether 2015-12-23 Master the important pathophysiology concepts you need to know with the most engaging and reader-friendly text available. Filled with vibrant illustrations and complemented by online resources that bring pathophysiology concepts to life, Understanding Pathophysiology, 6th Edition continues its tradition of delivering the most accurate information on treatments, manifestations, and mechanisms of disease across the lifespan, giving you the fundamental knowledge needed to move forward in your nursing education and career. New additions include a new chapter on epigenetics, new content on rare diseases, a separate chapter for male and female reproductive alterations, streamlined features, simplified language, and fully updated information throughout. Introduction to Pathophysiology in the front matter section provides intro to the subject of pathophysiology and explains why it is important. Consistent presentation helps readers better distinguish pathophysiology, clinical manifestations, and evaluation and treatment for each disease. More than 1,000 high-quality illustrations vividly depict clinical manifestations and cellular mechanisms underlying diseases. Lifespan coverage details age-specific conditions affecting pediatric, adult, and aging patients in depth. Algorithms throughout the text clarify disease progression. Risk Factor boxes alert readers to important safety considerations associated with specific diseases. Health Alert boxes highlight new developments in biologic research, diagnostic studies, preventive care, treatments, and more. Quick Check boxes test readers' retention of important chapter concepts. Geriatric Considerations boxes and Pediatric Considerations boxes highlight key considerations for these demographics in relevant chapters. Did You Understand? sections provide a fast and efficient review of chapter content. Chapter outlines help readers find specific information with ease. Chapter introductions explain why chapter content is important and how it fits into a broader health care context. Key terms are bolded throughout the text for fast, easy reference. Glossary of selected terms familiarizes readers with the most difficult or important terminology. Additional online resources on Evolve companion website offers access to animations, review questions, key terms matching exercises, and more.

A Practice of Anesthesia for Infants and Children E-Book Charles J. Cote 2018-01-04 Covering everything from preoperative evaluation to neonatal emergencies to the PACU, A Practice of Anesthesia in Infants and Children, 6th Edition, features state-of-the-art advice on the safe, effective administration of general and regional anesthesia to young patients. It reviews underlying scientific information, addresses preoperative assessment and anesthesia management in detail, and provides guidelines for postoperative care, emergencies, and special procedures. Comprehensive in scope and thoroughly up to date, this 6th Edition delivers unsurpassed coverage of every key aspect of pediatric anesthesia.

Convex Optimization Stephen Boyd 2004-03-08 A comprehensive introduction to the tools, techniques and applications of convex optimization.

Ebersole and Hess' Gerontological Nursing and Healthy Aging in Canada E-Book

Veronique Boscart 2022-06-12 Gain the knowledge and skills you need to care for older adults in Canada! Ebersole and Hess' Gerontological Nursing & Healthy Aging in Canada, 3rd Edition uses a wellness-based, holistic approach to older adult care from a distinctly Canadian perspective. Designed to promote healthy aging regardless of the patient's situation or disorder, this book provides best-practice guidelines to help you identify potential problems, address complications, and alleviate discomfort. An Evolve website includes new Next Generation NCLEX®-style case studies and PN competencies case studies to enhance your skills in clinical judgement. Written by a team of gerontological nursing experts led by Veronique Boscart, this concise guide covers health care in the context of the cultural and socio-economic issues unique to Canada. Core competencies identified by the CGNA are integrated throughout the book, reinforcing the standards of the Canadian Gerontological Nursing Association. Assessment guidelines and tools are featured in tables, boxes, and forms, including the latest scales and guidelines for proper health assessment. Focus on health and wellness highlights all aspects of the aging process. Attention to age, cultural, and gender differences helps you care for different population groups. Evidence-informed Practice boxes summarize research findings and identify those practices with unknown, ineffective, or harmful effects, and examine topics such as culturally safe health initiatives for Indigenous Peoples, lifelong learning and its effects on the wellbeing of older adults, challenges in home care and long-term care homes, and improving outcomes and improving outcomes for seniors living with a stroke or dementia. Activities and discussion questions at the end of every chapter help you understand the material and apply concepts in clinical situations.

Soft Computing in Condition Monitoring and Diagnostics of Electrical and Mechanical Systems

Hasmat Malik 2020-01-17 This book addresses a range of complex issues associated with condition monitoring (CM), fault diagnosis and detection (FDD) in smart buildings, wide area monitoring (WAM), wind energy conversion systems (WECSs), photovoltaic (PV) systems, structures, electrical systems, mechanical systems, smart grids, etc. The book's goal is to develop and combine all advanced nonintrusive CMFD approaches on a common platform. To do so, it explores the main components of various systems used for CMFD purposes. The content is divided into three main parts, the first of which provides a brief introduction, before focusing on the state of the art and major research gaps in the area of CMFD. The second part covers the step-by-step implementation of novel soft computing applications in CMFD for electrical and mechanical systems. In the third and final part, the simulation codes for each chapter are included in an extensive appendix to support newcomers to the field.

The New Net Zero Bill Maclay 2014-04 The new threshold for green building is not just low energy, it's net-zero energy. In *The New Net Zero*, sustainable architect Bill Maclay charts the path for designers and builders interested in exploring green design's new-frontier net-zero-energy structures that produce as much energy as they consume and are carbon neutral. In a nation where traditional buildings use roughly 40 percent of the total fossil energy, the interest in net-zero building is growing enormously--among both designers interested in addressing climate change and consumers interested in energy efficiency and long-term savings. Maclay, an award-winning net-zero designer whose buildings have achieved high-performance goals at affordable costs, makes the case for a net-zero future; explains net-zero building metrics,

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integrated design practices, and renewable energy options; and shares his lessons learned on net-zero teambuilding. Designers and builders will find a wealth of state-of-the-art information on such considerations as air, water, and vapor barriers; embodied energy; residential and commercial net-zero standards; monitoring and commissioning; insulation options; costs; and more. The comprehensive overview is accompanied by several case studies, which include institutional buildings, commercial projects, and residences. Both new-building and renovation projects are covered in detail. The New Net Zero is geared toward professionals exploring net-zero design, but also suitable for nonprofessionals seeking ideas and strategies on net-zero options that are beautiful and renewably powered.

Big Science Secrets, Lies, and Mistakes Ted Huntington 2012-11-21

Pediatric Dentistry, 6e-South Asia Edition -E-Book Arthur Nowak, DMD 2019-07-31
Provide superior oral and dental care to children of all ages! Pediatric Dentistry: Infancy through Adolescence 6th Edition-South Asia Edition provides comprehensive coverage of oral care for infants, children, teenagers, and medically compromised pediatric patients. Organized by age group, the text covers examination, diagnosis, and treatment planning, as well as topics such as the prevention of dental disease, traumatic injuries, orthodontics, and restorative dentistry. UNIQUE! Age-specific organization separates sections and chapters by age group to cover specific changes the child experiences physically, cognitively, emotionally, and socially. Fundamentals of Pediatric Dentistry section covers basic information on children of all ages, including topics such as local and systemic diseases, pediatric physiology, cariology, pain control, and medical emergencies. Coverage of current trends and challenges emphasizes the prevention of dental diseases and reflects pediatric dentistry as it is practiced today. UPDATED coverage of caries risk assessment in children reflects the evolution of evidence-based oral health care. More than 1,000 full-color photos and illustrations show dental conditions and treatments.

Schmidek and Sweet: Operative Neurosurgical Techniques E-Book Alfredo Quinones-Hinojosa 2021-04-22 Schmidek and Sweet has been an indispensable reference for neurosurgery training and practice for nearly 50 years, and the 7th Edition of Operative Neurosurgical Techniques continues this tradition of excellence. A new editorial board led by editor-in-chief Dr. Alfredo Quinones-Hinojosa, along with more than 330 internationally acclaimed contributors, ensures that readers stay fully up to date with rapid changes in the field. New chapters, surgical videos, and quick-reference features throughout make this edition a must-have resource for expert procedural guidance for today's practitioners. Discusses indications, operative techniques, complications, and results for nearly every routine and specialized procedure for brain, spinal, and peripheral nerve problems in adult patients. Covers the latest techniques and knowledge in deep brain stimulation for epilepsy, movement disorders, dystonia, and psychiatric disorders; surgical management of blast injuries; invasive electrophysiology in functional neurosurgery; and interventional management of cerebral aneurysms and arterio-venous malformations. Includes new chapters on bypass techniques in vascular disease, previously coiled aneurysms, CSF diversion procedures, surgical management of posterior fossa cystic and membranous obstruction, laser-ablation techniques, and brain stem tumors. Explores hot topics such as wide-awake surgery and ventriculo-peritoneal, ventriculoatrial and ventriculo-pleural shunts. Provides detailed visual guidance with more than 1,600 full-color illustrations and 50 procedural videos. Contains quick-reference boxes with surgical pearls and complications.

Merenstein & Gardner's Handbook of Neonatal Intensive Care - E-Book Sandra Lee Gardner 2015-04-10 Merenstein & Gardner's Handbook of Neonatal Intensive Care, 8th Edition, is the leading resource for collaborative, interprofessional critical care of newborns. Co-authored by physicians and nurses, it offers concise, comprehensive coverage with a unique multidisciplinary approach and real-world perspective that make it an essential guide for both neonatal nurses and physicians. The 8th edition features the latest neonatal research, evidence, clinical guidelines, and practice recommendations — all in a practical quick-reference format for easy retrieval and review of key information. UNIQUE! Multidisciplinary author and contributor team consists of two physicians and two nurses, with each chapter written and reviewed by a physician-nurse team to ensure that information mirrors current, real-world practice in a neonatal intensive care unit. Critical Findings boxes and tables outline symptoms and diagnostic findings that require immediate attention, helping you prioritize assessment data and steps in initial care. UNIQUE! Clinical content highlighted in color allows you to quickly scan for information that directly affects patient care. UNIQUE! Parent Teaching boxes highlight relevant information to share with a patient's caregivers. Clinical images, graphs, and algorithms illustrate clinically relevant concepts in neonatal intensive care. Streamlined references include only the most current or classic sources. NEW! Coverage of the latest neonatal research, evidence, clinical guidelines, and practice recommendations addresses topics such as: women with chronic illnesses becoming pregnant; maternal obesity; hypotension and shock in premature infants; pain and sedation; dedicated feeding sets vs. IVs for safety; MRSA; pediatric stroke; autism screening; discharge coordination; and more. NEW! The latest AAP recommendations and guidelines for hypoglycemia, jaundice, herpes, respiratory syncytial virus, and neonatal transport team composition. EXPANDED! Revised Evidence-Based Clinical Practice chapter focuses on evidence-based practice and quality improvement and the role of qualitative research in EBP. EXPANDED! Updated Infection in the Neonate chapter features new GBS guidelines and CRP research.

Nursing Diagnosis Handbook - E-Book Betty J. Ackley 2016-01-27 Ackley's Nursing Diagnosis Handbook: An Evidence-Based Guide to Planning Care, 11th Edition helps practicing nurses and nursing students select appropriate nursing diagnoses and write care plans with ease and confidence. This convenient handbook shows you how to correlate nursing diagnoses with known information about clients on the basis of assessment findings, established medical or psychiatric diagnoses, and the current treatment plan. Extensively revised and updated with the new 2015-2017 NANDA-I approved nursing diagnoses, it integrates the NIC and NOC taxonomies, evidence-based nursing interventions, and adult, pediatric, geriatric, multicultural, home care, and client/family teaching and discharge planning considerations to guide you in creating unique, individualized care plans. Comprehensive, up-to-date information on all the 2015-2017 NANDA-I nursing diagnoses so you stay in the know. UNIQUE! Provides care plans for every NANDA-I approved nursing diagnosis plus two unique care plans for Hearing Loss and Vision Loss. Includes pediatric, geriatric, multicultural, client/family teaching and discharge planning, home care, and safety interventions as necessary for plans of care. Presents examples of and suggested NIC interventions and NOC outcomes in each care plan. UNIQUE! Care Plan Constructor on the companion Evolve website offers hands-on practice creating customized plans of care. 150 NCLEX exam-style review questions are available on Evolve. Promotes evidence-based interventions and rationales by including recent or classic research that supports the use of each intervention. Classic evidence-based references promote evidence-based interventions and rationales. Clear, concise interventions are usually only a sentence or two long and use no more than two references. Safety content emphasizes

what must be considered to provide safe patient care. Step-by-step instructions show you how to use the Guide to Nursing Diagnoses and Guide to Planning Care sections to create a unique, individualized plan of care. List of Nursing Diagnosis Index in back inside cover of book for quick reference. Three-column index is easy to use. Easy-to-follow sections I and II guide you through the nursing process and selecting appropriate nursing diagnoses. Alphabetical thumb tabs allow quick access to specific symptoms and nursing diagnoses.

Hydrogen and Fuel Cells International Energy Agency 2004 Hydrogen and fuel cells are vital technologies to ensure a secure and CO₂-free energy future. Their development will take decades of extensive public and private effort to achieve technology breakthroughs and commercial maturity. Government research programmes are indispensable for catalysing the development process. This report maps the IEA countries current efforts to research, develop and deploy the interlocking elements that constitute a hydrogen economy, including CO₂ capture and storage when hydrogen is produced out of fossil fuels. It provides an overview of what is being done, and by whom, covering an extensive complexity of national government R&D programmes. The survey highlights the potential for exploiting the benefits of the international co-operation. This book draws primarily upon information contributed by IEA governments. In virtually all the IEA countries, important R&D and policy efforts on hydrogen and fuel cells are in place and expanding. Some are fully-integrated, government-funded programs, some are a key element in an overall strategy spread among multiple public and private efforts. The large amount of information provided in this publication reflects the vast array of technologies and logistics required to build the hydrogen economy.

Fuhrman & Zimmerman's Pediatric Critical Care E-Book Jerry J. Zimmerman 2021-02-05 In the highly specialized field of caring for children in the PICU, Fuhrman and Zimmerman's Pediatric Critical Care is the definitive reference for all members of the pediatric intensive care team. Drs. Jerry J. Zimmerman and Alexandre T. Rotta, along with an expert team of editors and contributors from around the world, have carefully updated the 6th Edition of this highly regarded text to bring you the most authoritative and useful information on today's pediatric critical care—everything from basic science to clinical applications. Contains highly readable, concise chapters with hundreds of useful photos, diagrams, algorithms, and clinical pearls. Uses a clear, logical, organ-system approach that allows you to focus on the development, function, and treatment of a wide range of disease entities. Features more international authors and expanded coverage of global topics including pandemics, sepsis treatment in underserved communities, specific global health concerns by region. Covers current trends in sepsis-related mortality and acute care after sepsis, as well as new device applications for pediatric patients.

Pediatric Dentistry - E-Book Arthur Nowak 2018-05-10 Provide superior oral and dental care to children of all ages! Pediatric Dentistry: Infancy through Adolescence, 6th Edition provides comprehensive coverage of oral care for infants, children, teenagers, and medically compromised pediatric patients. Organized by age group, the text covers examination, diagnosis, and treatment planning, as well as topics such as the prevention of dental disease, traumatic injuries, orthodontics, and restorative dentistry. UNIQUE! Age-specific organization separates sections and chapters by age group to cover specific changes the child experiences physically, cognitively, emotionally, and socially. Fundamentals of Pediatric Dentistry section covers basic information on children of all ages, including topics such as local and systemic diseases, pediatric physiology, cariology, pain control, and medical emergencies. Coverage of

current trends and challenges emphasizes the prevention of dental diseases and reflects pediatric dentistry as it is practiced today. UPDATED coverage of caries risk assessment in children reflects the evolution of evidence-based oral health care. More than 1,000 full-color photos and illustrations show dental conditions and treatments. NEW chapters cover cariology, pain control, and cleft lip and palate; other updates include infant oral health, pit and fissure sealants, regenerative endodontics, and the risk factors surrounding the transition from adolescence to adulthood. NEW! Greater diversity of contributors includes expert perspectives from all over the world.

Strengthening Forensic Science in the United States National Research Council
2009-07-29 Scores of talented and dedicated people serve the forensic science community, performing vitally important work. However, they are often constrained by lack of adequate resources, sound policies, and national support. It is clear that change and advancements, both systematic and scientific, are needed in a number of forensic science disciplines to ensure the reliability of work, establish enforceable standards, and promote best practices with consistent application. *Strengthening Forensic Science in the United States: A Path Forward* provides a detailed plan for addressing these needs and suggests the creation of a new government entity, the National Institute of Forensic Science, to establish and enforce standards within the forensic science community. The benefits of improving and regulating the forensic science disciplines are clear: assisting law enforcement officials, enhancing homeland security, and reducing the risk of wrongful conviction and exoneration. *Strengthening Forensic Science in the United States* gives a full account of what is needed to advance the forensic science disciplines, including upgrading of systems and organizational structures, better training, widespread adoption of uniform and enforceable best practices, and mandatory certification and accreditation programs. While this book provides an essential call-to-action for congress and policy makers, it also serves as a vital tool for law enforcement agencies, criminal prosecutors and attorneys, and forensic science educators.

Retina E-Book Charles P. Wilkinson 2012-11-01 Unequaled in scope, depth, and clinical precision, *Retina*, 5th Edition keeps you at the forefront of today's new technologies, surgical approaches, and diagnostic and therapeutic options for retinal diseases and disorders. Comprehensively updated to reflect everything you need to know regarding retinal diagnosis, treatment, development, structure, function, and pathophysiology, this monumental ophthalmology reference work equips you with expert answers to virtually any question you may face in practice. Consult this title on your favorite e-reader with intuitive search tools and adjustable font sizes. Elsevier eBooks provide instant portable access to your entire library, no matter what device you're using or where you're located. Examine and evaluate the newest diagnostic technologies and approaches that are changing the management of retinal disease, including future technologies which will soon become the standard. Put the very latest scientific and genetic discoveries, diagnostic imaging methods, drug therapies, treatment recommendations, and surgical techniques to work in your practice. Benefit from the extensive knowledge and experience of esteemed editor Dr. Stephen Ryan, five expert co-editors, and a truly global perspective from 358 other world authorities across Europe, Asia, Australasia, and the Americas. Make the best use of new technologies with expanded and updated coverage of optical coherence tomography (OCT), fundus imaging, and autofluorescence imaging. Apply the latest knowledge on anti-VEGF therapy for age related macular degeneration, diabetic retinopathy and vein disease. Learn about artificial vision, drug delivery to the posterior segment, advances in macular surgery, vitrectomy, and complex retinal detachment, with

updates on tumors, retinal genetics, cell biology, important basic science topics, and much more. Get the most out of new pharmacologic approaches in the management of age-related macular degeneration and diabetic retinopathy. In your practice, diagnostic evaluations, and now even treatments, will be influenced by recent scientific discoveries such as in the areas of nanotechnology, neuro protection, stem cells and gene therapy, among other scientific contributions. View videos of surgical procedures and access the complete contents of Retina, 5th Edition online at www.expertconsult.com, fully searchable, with regular updates and a downloadable image gallery.

With Stars in Their Eyes James B. Breckinridge 2022 "Aden B. Meinel and wife Marjorie P. Meinel stood at the confluence of several overarching technological developments of the 20th century: postwar aerial surveillance by spy planes and satellites, solar energy, the evolution of telescope design, interdisciplinary optics, and photonics. In 1945 he was a Navy Ensign ordered to find the secret tunnels in Nazi Germany where the V-2 rockets menacing Great Britain and Belgium were being manufactured. After receiving both his B.A. degree and Ph.D. in astronomy from the University of California at Berkeley within three years, Aden was invited to join the scientific staff at Yerkes Observatory/University of Chicago. While there he was selected by the National Science Foundation to manage the development of a new national observatory on Kitt Peak, Arizona, and served as its first Director. In the early 1960s he founded the Optical Sciences Center at the University of Arizona, which later metamorphosed into the College of Optical Sciences with the doctoral program in interdisciplinary optics. It was here that he also designed the first Multiple Mirror Telescope and with wife Marjorie pioneered the feasibility of solar energy power on a commercial scale. Aden's knowledge and expertise in optics made him invaluable in research on cameras for spy satellites and spy planes overflying the Soviet Union and Southeast Asia. After retirement the Meinels worked for NASA/JPL on the precursor of the James Webb Space Telescope and on the exoplanet program. They also served on the team that corrected spherical aberration in the Hubble Space Telescope"--

Delmar's Standard Textbook of Electricity Stephen L. Herman 2010-12-07 Mastering the theory and application of electrical concepts is necessary for a successful career in the electrical installation or industrial maintenance fields, and this new fifth edition of DELMAR'S STANDARD TEXTBOOK OF ELECTRICITY delivers! Designed to train aspiring electricians, this text blends concepts relating to electrical theory and principles with practical 'how to' information that prepares students for situations commonly encountered on the job. Topics span all the major aspects of the electrical field including atomic structure and basic electricity, direct and alternating current, basic circuit theory, three-phase circuits, single phase, transformers, generators, and motors. This revision retains all the hallmarks of our market-leading prior editions and includes enhancements such as updates to the 2011 NEC, a CourseMate homework lab option, and a new chapter on industry orientation as well as tips on energy efficiency throughout the text. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Questions and answers for job interview Offshore Oil & Gas Platforms Petrogav International Oil & Gas Training Center 2020-07-01 The job interview is probably the most important step you will take in your job search journey. Because it's always important to be prepared to respond effectively to the questions that employers typically ask at a job interview Petrogav International has prepared this eBooks that will help you to get a job in oil and gas industry. Since these questions are so common, hiring managers will expect you to be able to answer

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them smoothly and without hesitation. This eBook contains 291 questions and answers for job interview and as a BONUS web addresses to 288 video movies for a better understanding of the technological process. This course covers aspects like HSE, Process, Mechanical, Electrical and Instrumentation & Control that will enable you to apply for any position in the Oil and Gas Industry.

Braddom's Physical Medicine and Rehabilitation E-Book David X. Cifu 2020-08-01 Thoroughly updated to reflect the latest advances and technologies, Braddom's Physical Medicine and Rehabilitation, 6th Edition, remains the market leader in the field of PM&R. For more than 20 years, this bestselling reference has been the go-to resource for the entire rehabilitation team, providing in-depth coverage of essential core principles along with the latest research, technologies, and procedures that enhance patient care and facilitate optimal return to function. In this edition, lead editor Dr. David X. Cifu and his team of expert associate editors and contributing authors employ a more succinct format that emphasizes need-to-know material, incorporating new key summary features, including high-yield information and study sheets for problem-based learning. Focuses more heavily on rehabilitation, with case studies throughout and more comprehensive coverage of stroke evaluation, rehabilitation, and therapies. Provides expanded information on key topics such as interventional pain management options, gait and prosthetics, USG, fluoroscopy, electrodiagnosis and more. Features a new chapter on Occupational Medicine and Vocational Rehabilitation, plus enhanced coverage of the neurogenic bladder, rehabilitation and prosthetic restoration in upper limb amputation, and acute medical conditions including cardiac disease, medical frailty, and renal failure. Discusses quality and outcome measures for medical rehabilitation, practical aspects of impairment rating and disability determination, integrative medicine in rehabilitation, and assistive technology. Offers highly illustrated, templated chapters that are easy to navigate without sacrificing coverage of key topics. Includes access to dozens of even more practical videos and hundreds of integrated self-assessment questions for more effective learning and retention.

Miller's Anesthesia, 2-Volume Set E-Book Michael A. Gropper 2019-10-07 Covering everything from historical and international perspectives to basic science and current clinical practice, Miller's Anesthesia, 9th Edition, remains the preeminent reference in the field. Dr. Michael Gropper leads a team of global experts who bring you the most up-to-date information available on the technical, scientific, and clinical issues you face each day - whether you're preparing for the boards, studying for recertification, or managing a challenging patient care situation in your practice. Includes four new chapters: Clinical Care in Extreme Environments: High Pressure, Immersion, and Hypo- and Hyperthermia; Immediate and Long-Term Complications; Clinical Research; and Interpreting the Medical Literature. Addresses timely topics such as neurotoxicity, palliation, and sleep/wake disorders. Streamlines several topics into single chapters with fresh perspectives from new authors, making the material more readable and actionable. Features the knowledge and expertise of former lead editor Dr. Ronald Miller, as well as new editor Dr. Kate Leslie of the University of Melbourne and Royal Melbourne Hospital. Provides state-of-the-art coverage of anesthetic drugs, guidelines for anesthetic practice and patient safety, new techniques, step-by-step instructions for patient management, the unique needs of pediatric patients, and much more - all highlighted by more than 1,500 full-color illustrations for enhanced visual clarity.

[Pathophysiology - E-Book](#) Jacquelyn L. Banasik 2018-01-17 Develop a strong understanding of

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pathophysiology. Pathophysiology, 6th Edition explores the etiology, pathogenesis, clinical manifestations, and treatment of diseases and disorders. Each section focuses on the major alterations in the homeostasis of the body systems in order to provide you with a unifying framework. Current scientific findings and relevant global research are integrated throughout the book, with chapters organized by body system, beginning with an illustrated review of anatomy and normal physiology. Each chapter includes a discussion on the disease processes and abnormalities that may occur, with a focus on the pathophysiologic concepts involved. Written by leading educators, this text simplifies a rigorous subject with practical learning resources, an emphasis on critical thinking, and coverage of the latest scientific findings and relevant research. Plus, more than 1,000 updated, full color illustrations and photos throughout, give you a chance to visualize disease and disease processes and gain a clearer understanding of the material. Easy-to-read style is simplified by input from readability experts, and includes many tables, boxes, and figures to highlight key content. Student-friendly learning resources in the text include chapter outlines, bolded key terms, key questions, Key Points boxes, and chapter summaries. Pediatric and Geriatric Considerations boxes include brief analyses of age-related changes associated with specific body systems. A comprehensive glossary defines terms and includes audio pronunciations on the Evolve companion website. NEW! Global Health Care boxes inform you about global healthcare concerns such as HIV/AIDS, Ebola, Tropical Diseases and more. Includes prevalence, mechanism of disease and transmission. NEW! Over 1,000 illustrations help clarify complex pathophysiological concepts and make the book visually appealing NEW! Thorough chapter updates include the latest information on new treatment advances, 100 new figures for improved clarity, and much more throughout the text.

Physical Management for Neurological Conditions E-Book Maria Stokes 2011-04-19 The third edition of this popular textbook - formerly Physical Management in Neurological Rehabilitation and now renamed Physical Management for Neurological Conditions - maintains its scientific and research base with extensive use of references and case studies. It is the only book for physiotherapists that offers a comprehensive overview of the basic principles of neurological rehabilitation, specific neurological / neuromuscular conditions and the related physiotherapy treatment approaches used. Important areas which feature throughout are discussed in relation to the different neurological conditions and include: a non-prescriptive, multidisciplinary, problem-solving approach to patient management involvement of the patient and carer in goal-setting and decision-making (client-centred practice) use of outcome measures to evaluate the effects of treatment in everyday practice use of case studies to illustrate clinical practice scientific evidence of treatment effectiveness Additional specialist editor - Dr Emma Stack Refined content but with the inclusion of 4 brand new chapters: an introductory chapter on rehabilitation in practice one on respiratory management and two covering self management and falls under the section entitled Skill Acquisition and Learning 11 new expert contributors join the reduced contributor team of 31