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Pediatric Resuscitation is reviewed in this issue of Pediatric Clinics of North America, guest edited by Drs. Steve Schexnayder and Arno Zaritsky.

Authorities in the field have come together to pen articles on Background and Epidemiology; CPR - Why the New Emphasis?; Airway Management;

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**Arrhythmias,
Cardioversion, and
Defibrillation; Vascular
Access and Medications;
Medical Emergency
Teams; Teamwork in
Resuscitation;
Resuscitation Education;
Outcome Following
Cardiac Arrest;
Extracorporeal Life
Support during CPR; Post-
resuscitation Care; and
Future Directions.
This issue of Emergency
Medicine Clinics, guest
edited by Joshua Joseph
and Benjamin White,
focuses on Emergency**

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Department Operations and Administration.

Topics include:

**Emergency Department
Operations Overview;
Queuing Theory and
Modeling ED Resource
Utilization; Factors
Affecting ED Crowding;
Staffing and Provider
Productivity in the ED;
Patient Assignment
Models in the ED; ED
Layout and Organization;
Lean Processes in the ED;
ED Observation and
Alternatives to
Admission; Quality
Assurance in the ED;**

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**Information Management
in the ED; Best Practices
in Communication and
Patient Safety;
Optimizing Patient
Experience in the ED;
Management of the
Academic ED; and
Strategies for Provider
Well-being in the ED.**

**At a time of
unprecedented healthcare
industry turmoil and
growing inroads by
competitors from CVS to
Amazon, hospital CEOs
and senior leaders need
an innovative,
comprehensive approach**

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to strategic thinking. In Patient-Centered Strategy, Jeff Hunter, a leading healthcare strategic planner for more than 40 years, describes a powerful new system for strategy formulation one that derives value from an in depth understanding of patients needs, and unites senior leaders with frontline caregivers in the creative process. He helps you identify your current strategic issues, formulate solutions, and then determine What

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must be true to solve problems and explore opportunities. Patient-Centered Strategy describes proven techniques on how to test your solutions quickly and then deploy the results effectively throughout your entire organization for sustained transformation. Jeff shows senior executives: How to shed outdated mental models of strategic planning that inhibit creative thinking and behavior How to discover unmet needs,

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then create unique and meaningful value for customers How to connect with frontline caregivers in the discovery and creative process How to put real strategy back into strategy deployment How to make meaningful choices to reduce institutional overburden How to use scientific problem-solving to create solutions How to conduct small scale experiments that lead to large-scale transformation How to model the learning

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process to create more value faster How to use visual management and leader standard work to stay aligned and focused Patient-Centered Strategy is also a powerful story of personal change, tracing Jeff s journey from a conventional planner to an innovative practitioner on the cutting edge of 21st century strategic thinking.

This book provides a comprehensive overview of mechanical circulatory support of the failing heart in adults and

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children. The book uniquely combines engineering knowledge and the clinician's perspective into a single resource, while also providing insights into current and future development of mechanical circulatory support technology, such as ventricular assist devices, the total artificial heart and catheter-based technologies for heart failure. Topics featured in this book include: The history of mechanical

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**circulatory device
development.**

**Fundamentals of
hemodynamics support.**

**Clinical management of
mechanical circulatory**

**devices. Surgical
implantation techniques.**

**Current limitations of
device therapies in
advanced heart failure.**

**Advanced and novel
devices in the
development pipeline.**

**Opportunities for
advancement in the field.**

**Mechanical Support for
Heart Failure: Current
Solutions and New**

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Technologies is a must-have resource for not only physicians, residents, fellows, and medical students in cardiology and cardiac surgery, but also clinical and basic researchers in biomedical engineering with an interest in mechanical circulatory support, heart failure, and new technological applications in medicine. Lippincott's Review for Medical-surgical Nursing Certification Clinical MR Imaging Introduction to Clinical

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Nutrition, Third Edition National Warning System (NAWAS)

Emergency Medicine The Red Book

The objective of the Warning Program is to establish, operate, and maintain an effective nationwide warning system to alert governments, industry, and the public to the threat of enemy attack and other extraordinary dangers.

This book is an outstanding attempt to standardize bedside neonatal respiratory care by the most researched authentic experts in the world. This involves more than sixty authors from the United States, the United Kingdom, Canada, Australia, Spain, Italy, Germany, India, UAE, and China. The latest in the arena of

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neonatal ventilation which holds future promise has been incorporated in this book. The experts take you through a real-time progression of bedside ventilation practices, with the focus on pulmonary and neurological morbidity. The e-book has links to videos of critical chapters and lecture PPTs to give the intensivist a 360-degree understanding of the complexities of neonatal ventilation. First comprehensive bedside management book of a baby on assisted ventilation. Latest evidence-based practices on noninvasive ventilation with protocols. A bedside guide for neonatologists, fellows, residents, postgraduates, medical students, nurse practitioners, and respiratory therapists. Management of assisted ventilation including high-frequency ventilation and NAVA. Analysis and algorithmic

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approach to cardiac hemodynamics in respiratory distress. Protocolized approaches to critical respiratory diseases of the newborn. Ancillary services explained in detail like targeted ECHO, NIRS, and Graphics by experts. Videos and lecture presentations by experts on SLI, CPAP, SNIPPV, NAVA, ECHO, and Graphics.

Lippincott's Review for Medical-Surgical Nursing Certification, Fifth Edition provides the information nurses need to achieve certification in the specialty of medical-surgical nursing. This helpful reference covers the broad range of content found on the actual examinations, including disorders by body system, such as coronary artery disease, COPD, and diabetes. The product reviews signs and symptoms, diagnostic tests,

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medical treatments, nursing assessments, and interventions for scores of health problems. Concise refreshers on wound care, perioperative nursing, collaborative practice, nursing research, and legal issues are also included. Review questions after each chapter and an end-of-book posttest help assess the nurse's preparedness for the exam. The book is appropriate for exams of both major certifying bodies: the ANCC and the AMSN.

Ideal for cardiologists who need to keep abreast of rapidly changing scientific foundations, clinical research results, and evidence-based medicine, Braunwald ' s Heart Disease is your indispensable source for definitive, state-of-the-art answers on every aspect of contemporary cardiology, helping you apply the most recent

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knowledge in personalized medicine, imaging techniques, pharmacology, interventional cardiology, electrophysiology, and much more! Practice with confidence and overcome your toughest challenges with advice from the top minds in cardiology today, who synthesize the entire state of current knowledge and summarize all of the most recent ACC/AHA practice guidelines. Locate the answers you need fast thanks to a user-friendly, full-color design with more than 1,200 color illustrations. Learn from leading international experts, including 53 new authors. Explore brand-new chapters, such as Principles of Cardiovascular Genetics and Biomarkers, Proteomics, Metabolomics, and Personalized Medicine. Access new and updated guidelines covering Diseases of the

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Aorta, Peripheral Artery Diseases, Diabetes and the Cardiovascular System, Heart Failure, and Valvular Heart Disease. Stay abreast of the latest diagnostic and imaging techniques and modalities, such as three-dimensional echocardiography, speckle tracking, tissue Doppler, computed tomography, and cardiac magnetic resonance imaging. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability.

A Focused Review of the Core Curriculum

A Tool for Quality Improvement : Quality Assurance Team for Radiation Oncology (QUATRO).

Comprehensive Audits of Radiotherapy Practices

Essentials of Perioperative Nursing

An Advertisement Touching a Holy

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Measurements in Pediatric Radiology
Integrated Nano-Biomechanics
provides an integrated look
into the rapidly evolving field
of nanobiomechanics. The
book demystifies the processes
in living organisms at the
micro- and nano-scale through
mechanics, using theoretical,
computational and
experimental means. The book
develops the concept of
integrating different
technologies along the
hierarchical structure of
biological systems and clarifies
biomechanical interactions
among different levels for the
analysis of multi-scale

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pathophysiological phenomena. With a focus on nano-scale processes and biomedical applications, it is shown how knowledge obtained can be utilized in a range of areas, including diagnosis and treatment of various human diseases and alternative energy production. This book is based on collaboration of researchers from a unique combination of fields, including biomechanics, computational mechanics, GPU application, electron microscopy, biology of motile micro-organisms, entomological mechanics and clinical medicine. The book will

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be of great interest to scientists and researchers involved in disciplines, such as micro- and nano-engineering, bionanotechnology, biomedical engineering, micro- and nano-scale fluid-mechanics (such as in MEMS devices), nanomedicine and microbiology, as well as industries such as optical devices, computer simulation, plant based energy sources and clinical diagnosis of the gastric diseases. Provides knowledge of integrated biomechanics, focusing on nano-scale, in this rapidly growing research field Explains how the different technologies

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can be integrated and applied in a variety of biomedical application fields, as well as for alternative energy sources

Uses a collaborative, multidisciplinary approach to provide a comprehensive coverage of nano-biomechanics

This work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or

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corporate) has a copyright on the body of the work. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. To ensure a quality reading experience, this work has been proofread and republished using a format that seamlessly blends the original graphical elements with text in an easy-to-read typeface. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant. Essentials of Perioperative introduces peri-operative

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nursing through the framework of the nursing process and nursing diagnoses, rather than the former task-oriented approach. This Second Edition is thoroughly updated and expanded to include new material on universal precautions, blood borne pathogens, waste management, cost containment, the scope of perioperative nursing, the roles of the surgical team, and the perioperative nurse role of circulator and scrub nurse. Learning objectives are stated at the beginning of each chapter.

This book offers practical

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guidelines for performing efficient and cost-effective MRI examinations. By adopting a practical protocol-based approach the work-flow in a MRI unit can be streamlined and optimized. All chapters have been thoroughly reviewed, and new techniques and figures are included. There is a new chapter on MRI of the chest. This book will help beginners to implement the protocols and will update the knowledge of more experienced users.

Core Curriculum for Neonatal Intensive Care Nursing - E-Book
A Textbook of Cardiovascular Medicine

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Radiation Protection in Medical
Physics

Pediatric Resuscitation

A Learning System for Better
Care

ECMO Extracorporeal

Cardiopulmonary Support in
Critical Care 5th Edition

Dietary factors have been implicated in at least four of the ten leading causes of death in the U.S. (heart disease, cancer, diabetes, and stroke). Nevertheless, physicians frequently receive inadequate training in nutrition to properly counsel their patients.

Introduction to Clinical Nutrition, Third Edition discusses the physiologic

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and metabolic interrelationships of all nutrients and their roles in health maintenance and the prevention of various diseases. Since the publication of the second edition of this book, new discoveries have revolutionized the field of clinical nutrition. This is true especially with respect to gene-nutrient interaction, epigenetic pathways that contribute to the activation and inactivation of gene expression, the relationship of nutrients to telomere length and health, and personalized nutrition. Highlighting these advances,

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new and revised topics include: Fiber, antioxidants, nutraceuticals, alternative medicine, and epidemiology DNA, gene-nutrient interaction, epigenetics, and telomeres Nutritional aspects of kidney disease, diabetes, and metabolic syndrome Personalized nutrition and personalized medicine Vegetarianism, the Mediterranean diet, and other popular dietary practices Obesity and cholesterol Designed as a textbook for students in conventional medicine, osteopathy, dentistry, dietetics, nursing, pharmacy, and public health,

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the book focuses on the critical biochemical and physiological aspects of nutrients. It includes clinical case studies to clarify topics at the end of most chapters and references to facilitate further study. This book teaches the key knowledge required for the use of ultrasound to guide many catheter based cardiac therapies. While live CME courses are now covering this material there are very few textbooks on this topic. A unique aspect of this book is that it has many images to illustrate the teaching points. The use of minimally invasive treatments of many cardiac diseases especially

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by catheter based therapies and devices is a rapidly expanding discipline in cardiology and radiology. Cardiac ultrasound particularly echocardiography is utilized extensively to guide these therapies. Many echocardiographers are being called upon to guide these therapies but they have not been trained in this unique use of echocardiography. Extracorporeal membrane oxygenation (ECMO), despite a long and troubled history, is very rapidly evolving into a therapy that can be safely and effectively applied across the world in patients experiencing acute

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cardiac and/or pulmonary failure. As experiences grow, there is a better understanding of nuances of the importance of teamwork, therapy guidelines and protocols, patient selection, and understanding the functional aspects of pump-circuit technology as it interfaces with human biology. The challenges in managing these very sick and complex patients cannot be understated. The goal of this text is to provide a framework for the development and successful growth of a program. Authors from Centers of Excellence Worldwide have shared their experiences in the full

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spectrum in dealing with this evolving field.

The Patient safety tool kit describes the practical steps and actions needed to build a comprehensive patient safety improvement programme in hospitals and other health facilities. It is intended to provide practical guidance to health care professionals in implementing such programmes outlining a systematic approach to identifying the what and the how of patient safety. The tool kit is a component of the WHO patient safety friendly hospital initiative and complements the Patient safety assessment manual also

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published by WHO Regional
Office for the Eastern
Mediterranean.

Questions from NeoReviews
Head and Neck

Surgery--otolaryngology

Minimum Requirements of
Construction & Equipment for
Hospital & Medical
Facilities

Sources and Effects of
Ionizing Radiation: Effects
Patient Safety Tool Kit
Protection in Diagnostic
Radiology

This is a 22 chapter text based
on the contents of the national
AAEM Written Board Review
Course, and written to prepare
you for the: Emergency
medicine qualifying exam

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(formerly the "written boards"),
Emergency medicine annual
resident in-service exam,
ConCert Exam - 79 color images
- 225 question practice in-
service examination - 22
chapters written by experts in
the field. This text also serves
as a comprehensive review of
emergency medicine for the
motivated medical student.
Yoga for people with multiple
sclerosis? Absolutely! Today,
people with a wide range of
medical problems use yoga
successfully. Because of its
emphasis on relaxation,
breathing, and deliberate
movement, it can be especially

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beneficial for individuals dealing with a neurologic disease like multiple sclerosis. Yoga and Multiple Sclerosis, coauthored by Dr. Loren Martin Fishman and Eric Small, a yoga teacher who first embraced these techniques as a way to manage his own symptoms of multiple sclerosis, is a comprehensive guide to applying the principles of yoga to the management of MS. The first section is a straightforward but gentle introduction to yoga - a therapeutic approach to the practice itself. The second part is functionally oriented. Different yoga poses that work

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toward a common goal, such as combating fatigue, reducing spasticity, and increasing range of motion, are included and illustrated. This user-friendly guide Describes how yoga works Includes photographs and descriptions of each pose Explains effects, advantages, and contraindications Contains starter poses that will help the uninitiated or physically challenged to gently achieve a posture Yoga and Multiple Sclerosis: A Journey to Health and Healing is an excellent guidebook and tool for people with MS, people who undertake yoga on their own, and for all

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members of the medical and yoga communities.

Enhance your knowledge of neonatal-perinatal medicine and/or study for Neonatal-Perinatal Medicine board certification or recertification with this new study guide from the editors of NeoReviews. This new guide includes more than 1,200 questions previously published in NeoReviews from January 2007 to December 2017. Each question is followed by a short explanation of the correct answer with references, including the original article. Chapters include Cardiology Dermatology Endocrinology ENT

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and Ophthalmology Fluids,
Electrolytes, Nutrition
Gastrointestinal Genetics and
Inborn Errors of Metabolism
Hematology/Oncology
Immunology Infectious Diseases
Maternal-Fetal Medicine
Neonatal Resuscitation
Neurology Renal Respiratory
Statistics, Research, Health
Services, and Ethics

This volume provides a
definitive look at heart, lung,
and heart-lung transplantation.
It includes historical background
on these procedures, and
discusses the immunological
basis of transplantation, organ
preservation, donor

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procurement, pre-transplant recipient management, operative techniques, post-operative care, pathology, special considerations (cystic fibrosis, etc.) lung transplantation (results and complications) and future prospects, including a chapter on xenotransplantation by Columbia's Keith Reemtsma.

A Study Guide for Neonatal-perinatal Medicine

CT Features with Plain Film and US correlations

Yoga and Multiple Sclerosis

Small-Bowel Obstruction

Emergency Department

Operations and Administration,

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an Issue of Emergency Medicine
Clinics of North America

Plautus

The objective of a comprehensive clinical audit is to review and evaluate the quality of all components of the practice of radiotherapy at a cancer centre, with a view to quality improvement.

The present guidelines provide an audit methodology for multidisciplinary expert teams to initiate, perform and report on such audits. These guidelines have already been field tested by IAEA teams in Africa, Asia, Europe and Latin America.

Perfect as a resource in the field or for exam preparation, this authoritative reference from the

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Association of Women's Health, Obstetric, and Neonatal Nurses (AWHONN) includes in-depth coverage of the most common neonatal disorders and their management. The concise outline format highlights the essentials of each condition including definition, etiology, pathophysiology, signs and symptoms, diagnostic tests, treatments, and outcomes to help you find important information quickly. This new edition also features an increased focus on evidence-based practice, new CAMTS and AAMS guidelines, new techniques for PICC placement, and changes to the Neonatal Resuscitation Program. All necessary information to prepare

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for the neonatal intensive care nursing certification examination is included. Concise outline format provides access to important nursing considerations associated with the management of the most common conditions in the neonate. Text provides a collaborative effort between the three most authoritative associations in neonatal intensive care nursing - AWHONN, AACN, and NANN. Information on families, ethics, legal issues, research, case management, and the transition to home acknowledge the full scope of neonatal nursing practice. NEW! CAMTS and AAMS guidelines, techniques for PICC placement, and changes to the Neonatal

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Resuscitation Program are just a few of the updates that reveal the importance the new edition places on safety practices and procedures. NEW! Updated chapter on Patient Safety includes selected improvement strategies and resources for neonatal nurses to build a patient safety toolkit, discusses TeamSTEPPS (Team Strategies and Tools to Enhance Performance and Patient Safety), and recognizes human issues, such as shift work and fatigue. NEW! Increased focus on evidence-based practice for preterm infants, medications, and antepartum-intrapartum complications sets the standard for neonatal nursing practice. NEW! Strategies to

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promote inclusionary care better reflect nursing care today by focusing on family-centered care, comprehensive perinatal records, health care teams in the NICU, and best practices in the care of the late preterm infant. NEW!

Comprehensively revised chapter on Immunology identifies risk factors for infection associated with term and preterm infants, distinguishes clinical symptoms and therapies associated with TORCHES CLAP spectrum infections, and includes prevention strategies for hospital-acquired infections. NEW! Thoroughly updated content and references reflect currency and technologic advances. NEW! Refocused

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chapter on Developmental Care guides the nurse to use assessment within the context of the environment and situation to initiate interventions in the moment or use patterns of responses for developing plans of care and presents core measures on evaluating developmental care practices in the NICU.

Deliver quality healthcare in the most challenging field conditions Full of practical clinical pearls and proven strategies, this indispensable guide shows you how to operate outside your comfort zone and devise effective treatment solutions when the traditional tools (medications, equipment, and staff) are unavailable—or when you need

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to provide care outside of your specialty. *Improvised Medicine* is a must for anyone who plans to work in global, disaster, or other resource-poor settings.

FEATURES: Simple-to-follow directions, diagrams, and illustrations describe practical techniques and the improvised equipment necessary to provide quality care during crises. Contains improvisations in anesthesia and airway management, dentistry, gynecology/obstetrics, infectious disease/laboratory diagnosis, internal medicine, otolaryngology, pediatrics and malnutrition, orthopedics, psychiatry, and surgery. Also includes basic disaster communication techniques,

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post-disaster forensics, a model hospital disaster plan, and innovative patient-transport methods. LEARN HOW TO: Make an endotracheal tube in seconds Perform digital-oral and blind-nasotracheal intubations Make plaster bandages for splints/casts Give open-drop ether, ketamine drips, and halothane Use subcutaneous/intraperitoneal rehydration/transfusion Make ORS and standard nutrition formulas Clean, disinfect, and sterilize equipment for reuse Warm blood units in seconds inexpensively Take/view stereoscopic x-rays with standard equipment Quickly and easily stop postpartum hemorrhage Fashion surgical equipment from

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common items Evacuate patients easily for high-rise hospitals Make esophageal and precordial stethoscopes Quickly improvise a saline lock Make ECG electrode/defibrillator pads and ultrasound gel

"Extracorporeal Membrane Oxygenation : An Interdisciplinary Problem-Based Learning Approach" provides an overview of the latest techniques, management strategies and technology surrounding the clinical use of ECMO. This interdisciplinary book reviews the most common scenarios of ECMO in 62 chapters exploring the conditions and problems arising in ECMO practice. Each chapter begins with a stem

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case, followed by open questions to encourage critical thinking and enable the reader to follow the management strategies of the authors, who are world leaders in the field. Followed by an evidence-based discussion, each chapter concludes with multiple-choice questions for self-assessment. This book is current in its knowledge of organ systems and management and keeps pace with new ECMO technology and surgical techniques coupled with current guidelines for management. Starting with the history of ECMO to technical aspects, circuit biocompatibility and interaction with blood, drugs and flow physics, the volume continues into pediatric and adult sections,

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focussing on both respiratory and cardiovascular support, followed by a section on trauma. The volume then concludes with a section on neurologic complications and ethics, as well as rehabilitation and ambulation of ECMO patients. In addition, to reflect the current global health situation, this book also includes a chapter on ECMO management in patients suffering with COVID-19, to cover the most urgent and pressing questions around ECMO during the ongoing pandemic. This is the first ECMO book on the market to utilise a problem-based learning approach and as such is an important unprecedented project on ECMO education.

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An Interdisciplinary Problem-Based
Learning Approach
EMS Agenda for the Future

Overview and Application in
Pulmonary, Critical Care, and Sleep
Medicine

Essentials of Neonatal Ventilation,
1st edition, E-book

Extracorporeal Membrane
Oxygenation

*Telemedicine Overview and
Application in Pulmonary, Critical
Care, and Sleep Medicine* Springer
Nature

*The second volume of the Scientific
Committee's report adds five more
annexes to the five in volume one.
They cover DNA repair and
mutagenesis; biological effects at*

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low radiation doses; combined effects of radiation and other agents; epidemiological evaluation of radiation-induced cancer; and exposures and effects of the Chernobyl accident. Each ends with an impressive number of references. Annotation copyrighted by Book News, Inc., Portland, OR

Second in a series of publications from the Institute of Medicine's Quality of Health Care in America project Today's health care providers have more research findings and more technology available to them than ever before. Yet recent reports have raised serious doubts about the quality of health care in America. Crossing the Quality Chasm makes an

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urgent call for fundamental change to close the quality gap. This book recommends a sweeping redesign of the American health care system and provides overarching principles for specific direction for policymakers, health care leaders, clinicians, regulators, purchasers, and others. In this comprehensive volume the committee offers: A set of performance expectations for the 21st century health care system. A set of 10 new rules to guide patient-clinician relationships. A suggested organizing framework to better align the incentives inherent in payment and accountability with improvements in quality. Key steps to promote evidence-based practice and strengthen clinical information

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systems. Analyzing health care organizations as complex systems, Crossing the Quality Chasm also documents the causes of the quality gap, identifies current practices that impede quality care, and explores how systems approaches can be used to implement change.

This book introduces the fundamental aspects of Radiation Protection in Medical Physics and covers three main themes: General Radiation Protection Principles; Radiobiology Principles; Radiation Protection in Hospital Medical Physics. Each of these topics is developed by analysing the underlying physics principles and their implementation, quality and

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safety aspects, clinical performance and recent advances in the field.

Some issues specific to the individual techniques are also treated, e.g. calculation of patient dose as well as that of workers in hospital, optimisation of equipment used, shielding design of radiation facilities, radiation in oncology such as use of brachytherapy in gynecology or interventional procedures. All topics are presented with didactical language and style, making this book an appropriate reference for students and professionals seeking a comprehensive introduction to the field as well as a reliable overview of the most recent developments.

Report of the Librarian of Congress

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*Mechanical Support for Heart
Failure*

*A New Health System for the 21st
Century*

Integrated Nano-Biomechanics

With an English Translation

*Intraprocedural Imaging of
Cardiovascular Interventions*

***This book provides an
overview of key issues with
regards to implementing
telemedicine services as well
as an in depth overview of
telemedicine in pulmonary,
critical care, and sleep
medicine. Topics range from
specific practices to program
development. Telemedicine
has experienced explosive
growth in recent years and
yet, implementing***

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telemedicine solutions is complex with substantial regulatory, legal, financial, logistical, and intra-organization/intra-personal barriers that must be overcome. This book provides the necessary information and guidance to address those complex issues. This book is broadly divided into two parts 1) a primer on requisite steps before embarking on telemedicine service development and 2) specific applications and examples where telemedicine is successfully utilized to improve quality of care in pulmonary, critical care, and sleep medicine. The first part includes coverage of

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telemedicine and finance, regulatory and legal issues, and program development. The second part delves into specifics with information on ambulatory telemedicine programs, inpatient consultations, and tele-ICU programs. All chapters are written by interprofessional authors that are leaders in the field of telemedicine with extensive knowledge of diverse telemedicine programs and robust real-world experience on the topic. This is an ideal guide for telehealth program managers, and pulmonary, critical care, and sleep medicine professionals interested in improving their telehealth

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practice.

The aim of this radiological atlas is to connect pathophysiology to imaging using many illustrations and examples, emphasizing the capabilities and limitations of multidetector computed tomography and its role in the correct management approach to these disorders. Furthermore, the place of allied imaging modalities (plain film and ultrasound) in the clinical algorithm is comprehensively illustrated. A thorough knowledge of normal radiological anatomy is necessary for detection and evaluation of pathological changes. In pediatric radiology, normal anatomy

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and normal proportions of anatomical structures may differ considerably from the adult, and may vary during growth. Therefore, in pediatric radiology there is a multitude of measurements, that in the individual patient is important, but that for the radiologist is not meaningful or even possible to keep in mind. This holds true both for the experienced pediatric radiologist, and for those who practise pediatric radiology only occasionally. This volume is written for both categories. In the literature, normal values are calculated and presented in many different ways, that are not always easy to compare, or easy to use in

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daily work. Therefore, we have revised and recalculated the data given by authors, in order to present the statistical upper and lower normal limits as between plus and minus two standard deviations ($\pm 2SD$). This means that about 2% of a normal population will be assessed as abnormally large and around 2% abnormally small with respect to the parameter assessed. In this way, the presentation throughout the book is uniform, and hopefully easy to use. All figures have been redrawn and computed in an attempt to make them as clear as possible.

***Improvised Medicine:
Providing Care in Extreme***

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Environments

Patient Centered Strategy

Crossing the Quality Chasm

Advances in Therapy

***A Journey to Health and
Healing***

A Practical Approach