

Ecmo Training Specialist Manual

THE FIELDS MOST TRUSTED AND COMPREHENSIVE POCKET GUIDE TO TREATING COMMON AND RARE PROBLEMS IN NEWBORNS--EXPANDED AND UPDATED "A copy of this reference should be kept readily available in the newborn unit. It is a potent learning tool for NCU students." -- Family Medicine review of an earlier edition A true essential for twenty-five years, this streamlined pocket reference provides logically organized, quickly retrievable information on basic and advanced management techniques for the neonate. Featuring a convenient outline approach that puts key information at your fingertips, this quick reference covers everything you need to know about on-call neonatal problems, procedures, diseases and disorders, and pharmacology. FEATURES: NEW International editorial board NEW Chapters on therapeutic hypothermia, laryngeal mask airway, extravasation and infiltration, transillumination, transpyloric intubation, pain in the neonate, coagulation disorders, transient neonatal myasthenia gravis, pertussis, and tuberculosis NEW Full-color images of neonatal rashes and dermatologic problems NEW Immunization tables An "On Call" section presenting 34 common and serious patient management issues with guidelines for rapid diagnosis and treatment Cutting-edge strategies for management of specific respiratory syndromes One of the most comprehensive listings of neonatal medications available anywhere Valuable appendices, including Abbreviations Used in Neonatology, Blood Pressure Determinations, Isolation Guidelines, and more

This edition of the Manual of Neonatal Care has been completely updated and extensively revised to reflect the changes in fetal, perinatal, and neonatal care that have occurred since the sixth edition. This portable text covers current and practical approaches to evaluation and management of conditions encountered in the fetus and the newborn, as practiced in high volume clinical services that include contemporary prenatal and postnatal care of infants with routine, as well as complex medical and surgical problems. Written by expert authors from the Harvard Program in Neonatology and other major neonatology programs across the United States, the manual's outline format gives readers rapid access to large amounts of valuable information quickly. The Children's Hospital Boston Neonatology Program at Harvard has grown to include 57 attending neonatologists and 18 fellows who care for more than 28,000 newborns delivered annually. The book also includes the popular appendices on topics such as common NICU medication guidelines, the effects of maternal drugs on the fetus, and the use of maternal medications during lactation. Plus, there are intubation/sedation guidelines and a guide to neonatal resuscitation on the inside covers that provide crucial information in a quick and easy format.

Neonatal Nursing in Australia and New Zealand: Principles for Practice uniquely reflects the local practice, context and standards of neonatal nursing in Australia and New Zealand. Edited by Victoria Kain and Trudi Mannix, the content spans all neonatal care settings, addressing the considerations of all levels, including special care and intensive care units, while highlighting the collaborative nature of neonatal care and interdisciplinary teamwork within this environment. The text comprehensively addresses ANZ-specific perspectives, including the neonatal context for First Peoples; the neonatal nurse practitioner and advanced practice roles; workplace culture; newborn screening, resuscitation, retrievals and transport; stabilisation of the high-risk newborn; the range of disorders by body system; legal and ethical issues; and end-of-life care in the neonatal unit. Supported by international and ANZ neonatal network data Aligned to the Australian College of Neonatal Nurses and New Zealand Nurses Organisation Standards Key learning objectives emphasised Nursing and midwifery-focused Case studies provide the vital link between theory and practice Clinical Practice and Reflections features further reader insight and knowledge Evidence-based practice research underpins all chapters Family-centred care is reinforced throughout Evolve resources included to enhance teaching

and learning: eBook on VitalSource Student and Lecturer resources, for each chapter: Test banks of MCQ and short answer questions Additional online case studies Journal articles related to practice and critical thinking questions Answer guide to in-text and online case study, test bank and article questions

This book focuses on the technical, cognitive, and behavioral skills needed to implement an extracorporeal membrane oxygenation (ECMO) simulation program. It describes these programs on the individual, team, and hospital system level, and includes the history of ECMO simulation, its evolution to its current state, and future directions of technology and science related to ECMO simulation. Divided into six sections, chapters describe both the theoretical as well as the practical aspects of ECMO simulation, including a pictorial guide to setting up an ECMO simulation circuit and how to recreate ECMO emergencies. It is a pragmatic guide that emphasizes the necessary practical items and discussions necessary to plan, set-up, orchestrate, and debrief ECMO simulations for different types of learners in different Comprehensive Healthcare Simulation: ECMO Simulation - A Theoretical and Practical Guide is part of the Comprehensive Healthcare Simulation Series, and this book is intended for educators, simulation technologists, and providers involved in ECMO programs who recognize the value of simulation to improve ECMO outcomes.

Stay up-to-date on the latest evidence and clinical practice in pediatric acute care with the definitive textbook in the field. Now in its second edition, *Pediatric Acute Care: A Guide for Interprofessional Practice* takes an evidence-based, interprofessional approach to pediatric acute care as it exemplifies the depth and diversity that's needed for the dynamic healthcare environments in which acutely ill children receive care. Coverage includes how to work with the pediatric patient and family, major acute care disorders and their management, emergency preparedness, common acute care procedures, and much more. With contributions from more than 200 practicing clinicians and academic experts, it represents a wide variety of disciplines including medicine, nursing, pharmacy, child life, nutrition, law, integrative medicine, education, public health, and psychology, among others. The second edition also features the addition of new physician and nurse practitioner co-editors as well as extensive content updates including updated evidence-based content throughout the text, the integration of the 2016 IPEC Core Competencies for Interprofessional Collaborative Practice, a new full-color design, and new vivid illustrations throughout. **UNIQUE!** Interprofessional collaborative approach includes contributions from more than 200 practicing clinicians and academic experts from the U.S. and Canada, including nursing, medicine, pharmacy, child life, nutrition, law, integrative medicine, education, public health, and psychology. Consistent organization within disorder chapters begins with a section on Physiology and continues with sections on Pathophysiology, Epidemiology and Etiology, Presentation, Differential Diagnosis, Diagnostic Studies, and a Plan of Care that include Therapeutic Management, Consultation, Patient and Family Education and Disposition and Discharge Planning. Comprehensive content spanning five units divides coverage into introductory information, the approach to the pediatric patient and family, major acute care disorders and their management, emergency preparedness, and common acute care procedures. **NEW!** Updated evidence-based content has been added throughout to ensure that you're up-to-date on all topics needed to provide care for pediatric patients in acute, inpatient, emergency, transport, and critical care settings. **NEW!** Full-color design and illustrations enhance learning and make content easier to navigate and digest. **NEW!** Integration of the 2016 IPEC Core Competencies ensure that you're learning the professional skills and protocols required for effective, contemporary interprofessional collaborative practice. **UPDATED!** Streamlined procedures unit focuses more sharply on need-to-know content.

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this reference should be kept readily available in the newborn unit. It is a potent learning tool for NCU students." -- Family Medicine review of an earlier edition A true essential for twenty-five years, this streamlined pocket reference provides logically organized, quickly retrievable information on basic and advanced management techniques for the neonate. Featuring a convenient outline approach that puts key information at your fingertips, this quick reference covers everything you need to know about on-call neonatal problems, procedures, diseases and disorders, and pharmacology. FEATURES: NEW International editorial board NEW Chapters on therapeutic hypothermia, laryngeal mask airway, extravasation and infiltration, transillumination, transpyloric intubation, pain in the neonate, coagulation disorders, transient neonatal myasthenia gravis, pertussis, and tuberculosis NEW Full-color images of neonatal rashes and dermatologic problems NEW Immunization tables An "On Call" section presenting 34 common and serious patient management issues with guidelines for rapid diagnosis and treatment Cutting-edge strategies for management of specific respiratory syndromes One of the most comprehensive listings of neonatal medications available anywhere Valuable appendices, including Abbreviations Used in Neonatology, Blood Pressure Determinations, Isolation Guidelines, and more

Los contenidos, con un enfoque práctico y acreditado, y redactados por expertos reconocidos internacionalmente, enseñan cómo aplicar las más recientes técnicas de cirugía abierta y mínimamente invasiva basadas en la evidencia. Incluye más de 1.000 imágenes de gran calidad, que ilustran los matices de la cirugía para todos los trastornos pediátricos y urológicos con los que un médico pueda encontrarse. Los autores han realizado una actualización exhaustiva de los últimos avances en el abordaje de cuestiones como hernias e hidroceles, ano imperforado y malformaciones cloacales, enfermedad de Hirschsprung, atresia y estenosis duodenal e intestinal, atresia esofágica, y muchas otras. Ofrece acceso a más de 50 vídeos, útiles para perfeccionar la técnica quirúrgica, y que muestran abordajes como el de la oclusión traqueal endoscópica fetal (FETO), la reparación laparoscópica de hernia inguinal, el reimplante ureteral extravesical asistido por robot, el abordaje laparoscópico de la torsión ovárica y la gastrectomía en manga laparoscópica. Todos los vídeos están en inglés.

Perfect as a resource in the field or for exam preparation, this authoritative reference from the 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. Coverage of key content on the neonatal intensive care nursing certification exam prepares you for test success. Information on families, ethics, legal issues, research, case management, and the transition to home emphasizes the importance of total care of the neonatal patient and family. New and updated content on late preterm infants, neurologic disorders, and ventilatory strategies provide the latest information from the field for more effective patient outcomes.

Thinking about a surgical career? About to start surgical training? Do you know what to expect and how to thrive? The Hands-on Guide to Surgical Training is the ultimate, practical guide for medical students and junior doctors thinking about taking the plunge into surgery, and also for surgical trainees already in training. It's full of invaluable, practical information and career guidance to ensure you get the most out of your surgical career. It offers general guidance and advice on surgical training, together with detailed information on each of the nine surgical subspecialties, each written by seniors and consultants, as you make both clinical and career-based choices. Undoubtedly one of the most comprehensive resources for surgical trainees available, The Hands-on Guide to Surgical Training will be essential reading throughout your training and surgical career. Take the stress out of surgical training with The Hands-on Guide! This monograph is intended to compile the lectures presented at the 4th Annual Symposium

"Cardiac Surgery:1992" held at the Frenchman's Reef Beach Resort, St. Thomas, US Virgin Islands, November 7-10, 1991. This symposium was organized by the Division of Cardiothoracic Surgery and the School of Cardiovascular Perfusion, Cooper Hospital/University Medical Center, Camden, New Jersey and sponsored by the University of Medicine and Dentistry of New Jersey, Robert Wood Johnson Medical School at Camden, Philadelphia Academy of Cardiovascular Perfusion and the American Society of Extracorporeal Technology -Region II. The symposium was devoted to cardiothoracic surgeons, cardiologists, cardiovascular perfusionists, and nurses involved in the management of the cardiac surgical patient. Therefore, the context of the book represents the multidisciplinary nature of cardiac surgery at its present level of development. The contributors to this book have critically examined their experience and discussed controversial issues regarding cardiac pathophysiology, surgical indications, operative techniques, and long term care and outcome. The co-editors wish to express their gratitude for the contributors' efforts in the production of this manuscript. We would also like to thank the members of the Organizing Committee, Jane V. Stewart MSN, RN, CCRN, Roger A. Vertrees BA, CCP, Rosemary Volosin, MSN, RN, Rosemary Morrone and Paul R. Cappola BS, CCP, who have greatly contributed to the success of the symposium.

This book combines valid physiology and treatment strategies with the institutional experience of one of the leading German pediatric heart centers. It is intended as a pragmatic guide, focusing on daily practice and bedside medicine: straightforward, easy to implement, and results-oriented. It offers readers a profound understanding of intensive care, with a specific focus on organ systems, their interactions, and the effect of life support technologies, pursuing a comprehensive approach to congenital heart defects and therapies, including pitfalls and solutions. The target group is extended towards pediatric cardiologists and anesthesiologists by integrating chapters on the systematic analysis of hemodynamics and anatomy, diagnostics and treatment of congenital heart defects, plus a chapter on modern anesthesiology during heart operations with a focus on early extubation that minimizes on-pump and medication trauma. As such, the book offers a pragmatic and clinically oriented guide for physicians with advanced experience and expertise in (cardiac) intensive and intermediate care, as well as beginners and junior physicians.

El presente libro reúne los 27 capítulos más actuales e interesantes de los cuidados intensivos pediátricos; aborda en profundidad los avances en las patologías de los niños críticamente enfermos y los modernos sistemas de monitorización; pone al día las técnicas, métodos diagnósticos y terapéuticos de las situaciones críticas para la vida de los neonatos, lactantes y niños. El libro incluye un disquete que explica de manera gráfica y dinámica de la ventilación mecánica y su monitorización , haciendo fácil y agradable uno de los aspectos más complicados del manejo de los pacientes graves. Los autores del libro son reconocidos especialistas médicos, experimentados en el tratamiento de enfermos graves de las distintas edades de la vida, neonatos, niños, adolescentes y adultos. Los capítulos son cortos, de lectura fluida, sencillos y conjugan la experiencia personal de los autores con la bibliografía más actualizada. Este libro será de gran ayuda para los facultativos dedicados al tratamiento de neonatos, niños y adultos críticamente enfermos, pediatras, anestesistas, cirujanos y médicos dedicados a las urgencias y transporte de pacientes graves, así como enfermeras de urgencias, unidades quirúrgicas y cuidados intensivos.

The new edition of this essential resource covers core areas of respiratory care in a convenient outline format that makes it a great quick-reference guide, a handy review tool for credentialing examinations, and a comprehensive reference guide for clinical practice. Key topics include basic science; anatomy and physiology of the respiratory, cardiovascular, renal, and neurological systems; and therapeutic aspects of neonatal,

pediatric, and adult respiratory care. Also features extensive coverage of pharmacology and infection control. The convenient outline format breaks information down into manageable bits of information that make it ideal for study, review, and quick reference. The comprehensive coverage of key topics - from introductory material through therapeutic care - consolidates the full spectrum of respiratory care into one essential resource. Completely updated to reflect the significant advancements in the field of respiratory care. Reflects the required core content of the most recent National Board for Respiratory Care (NBRC) examination matrix, ensuring the most up-to-date competency requirements for certification. Features new chapters on ventilatory management for obstructive pulmonary disease, adult respiratory distress syndrome, NIPPV, tracheal gas insufflation, prone positioning, and liquid ventilation. A redesigned format provides easier navigation through the text.

The second edition of *Pediatric Critical Care Medicine* spans three volumes, with major sections dedicated to specific organ systems. Each major section consists of separate chapters dedicated to reviewing the specific disease processes affecting each organ system. Each chapter concludes with a comprehensive list of references, with brief, concise remarks denoting references of 'special interest' and 'of interest'.

Consequently, the books are unique in their comprehensive coverage of pediatric critical care and their ease of use and will be of value to those studying towards pediatric critical care examinations and those who are already qualified.

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 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.

Whether you're a newcomer to the ICU or a seasoned practitioner, Oh's Intensive Care Manual delivers the practical, expert answers you need to manage the conditions you see every day in the intensive care unit. This highly esteemed, bestselling medical reference book presents comprehensive detail on each topic, while maintaining a succinct, accessible style so this information can be seamlessly incorporated into your daily practice. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Access everything you need to know about disease processes and their management during the course of ICU rotations. Gain valuable insight into the consensus of practice and standard of ICU care as followed in the UK, Europe, India, and Australia. Take advantage of expert advice on practical issues that will be encountered on a day-to-day basis in the ICU, as well as common pitfalls in treatment and management emphasized in each chapter. Overcome the latest challenges in intensive care medicine. Ten brand-new chapters in this edition include: Palliative Care; ICU and the Elderly; Health Care Team in Intensive Care Medicine; Preparing for Examinations in Intensive Care Medicine; Ultrasound in the ICU; ECMO for Respiratory Failure; ECMO for Cardiac Failure; Cirrhosis and Acute-on-Chronic Liver Disease; Solid Tumours and their Implications in the ICU; and Delirium. Optimize patient outcomes through an even greater focus on clinical management strategies. Quickly locate essential information with an increased number of summary boxes, tables, and charts, and a new chapter organization that expedites reference.

The new second edition of this valuable resource was written for clinicians by experts in the field. It addresses the increase of pediatric patients in adult ICUs and inpatient pediatric acuity. Two unique approaches are used: the Phenomena of Concern section addresses nursing care issues common to all critically ill pediatric patients; and Final Common Pathways cover patient problems related to specific disorders. This edition includes a new chapter on Clinical Pharmacology. SCCM admission guidelines have also been added to the practice guidelines section.

Containing 800 board-style questions and answers with explanations, key facts, and key references, *Pediatric Anesthesiology: A Comprehensive Board Review* is a high-yield, efficient study aid for residents and practitioners preparing for the Pediatric Anesthesiology Certification Examination.

Now completely up to date to meet the needs of today's pediatric nurses, Mary Fran Hazinski's *Nursing Care of the Critically Ill Child, 3rd Edition*, remains the foundational text of pediatric critical care nursing. Known for its outstanding organization and clear descriptions, this comprehensive reference details the unique care required for critically ill children with thorough discussions of physiology, pathophysiology, pharmacology, collaborative management, and nursing management. Ten new chapters, new advanced practice content, and new nurse contributors and reviewers ensure that this classic text continues to be the essential resource for the care of critically ill children. Details differences in caring for critically ill children as compared with caring for adults: how to modify assessment procedures, consider aspects of psychosocial development, and examine developmental aspects of various body systems. Provides comprehensive coverage of physiology, pathophysiology, pharmacology, and nursing management related to care of the critically ill child. Includes detailed Nursing Care Plans for select disorders. Contains helpful appendices such as pediatric drug dosages, central venous catheter care, and pediatric fluid requirements. Features Evolve online resources with additional content for further study of related topics, including tables for ease of recollection of material and additional references. Contains 10 all-new chapters, including Pharmacokinetics

and Pharmacodynamics; Shock, Cardiac Arrest, and Resuscitation; Mechanical Support of Cardiopulmonary Function; Fluid, Electrolyte, and Endocrine Problems; Immunology and Infectious Disorders; Transplantation and Organ Donation; Toxicology/Poisonings; Fundamentals of Quality Improvement and Patient Safety; Clinical Informatics; and Ethical Issues in Pediatric Critical Care Features nurse contributors and reviewers for every chapter, making this edition a truly collaborative text. Provides information vital to the advanced practice nurse, such as assessment tools and severity of illness management. Includes numerous Pearls that highlight practical wisdom from experts in pediatric critical care nursing.

Get all the pediatric physical therapy background and guidance you need with Campbell's Physical Therapy for Children Expert Consult, 5th Edition. Insightful and comprehensive coverage walks you through all aspects of working with children, including: decision making, screening, development, motor control and motor learning, the impairments of body function and structure, and the PT management of pediatric disorders. Like the previous bestselling editions, this edition also follows the practice pattern categories of the Guide to Physical Therapist Practice and uses the IFC model of the disabling process as it presents up-to-date, evidence-based coverage of treatment. New to this edition are a number of added and extensively revised chapters — covering topics such as tests and measures, autism spectrum disorder, pediatric oncology, and the neonatal intensive care unit — to keep you at the cutting edge of the latest issues and best-practices. Finally, with its wealth of online resources and learning aids, you'll have all the tools and support you need to tackle every aspect of pediatric physical therapy! Focus on the International Classification of Function, Disability, and Health (ICF) of the World Health Organization (WHO) emphasizes activity rather than functional limitations and participation rather than disability. Incorporation of practice pattern guidelines from the Guide to Physical Therapist Practice, 2nd Edition sets the standard for physical therapy practice. Comprehensive reference offers a thorough understanding of all aspects of pediatric physical therapy, including: decision making, screening, development, motor control, and motor learning, the impairments of body function and structure, and the PT management of pediatric disorders. Expert authorship and editors lend their experience and guidance for on-the-job success. Variety of user resources to enhance study include review questions, critical questions, and additional resources and activities. Questions and exercises offer great preparation for the APTA's Pediatric Specialist Certification Examination.

This book provides a comprehensive, state-of-the-art review of the interventional procedures that can be performed in intensive care settings. The book addresses fundamentals of the indications and technical aspects of procedures, and identifies pitfalls and resource needs. In addition, a section is dedicated to a discussion of the staff-preparation, hemodynamic, and anesthetic concerns necessary for all procedures. Chapters focus on the following specific concerns: airway, thoracic, ENT, vascular, abdominal, genitourinary, neurologic, and musculoskeletal. A brief review of the existing literature addressing these particular topics accompanies each section. Extensive illustrations and diagrams are also included to enhance the readers' experience. Authored by a multi-disciplinary team of experts in their fields, *Interventional Critical Care: A Manual for Advanced Care Practitioners* serves as a comprehensive resource for advanced care practitioners and physicians for performing and preparing for procedures in the ICU.

Known for its readability, portability, and global perspectives, Holcomb and Ashcraft's *Pediatric Surgery* remains the most comprehensive, up-to-date, single-volume text in its field. As technology and techniques continue to evolve, the 7th Edition provides state-of-the-art coverage—both in print and on video—of the full range of general surgical and urological problems in infants, children, and adolescents, equipping you to achieve optimal outcomes for every patient. Provides authoritative, practical coverage to help you implement today's best evidence-based open and minimally invasive techniques, with guidance from internationally

recognized experts in the field. Features more than 1,000 high-quality images depicting the visual nuances of surgery for the full range of pediatric and urologic conditions you're likely to see. Delivers comprehensive updates throughout including the latest advances in managing Inguinal Hernias and Hydroceles; Imperforate Anus and Cloacal Malformations; Hirschsprung Disease; Duodenal and Intestinal Atresia and Stenosis; Esophageal Atresia; and more.

This manual is aimed at all healthcare practitioners, from novice to expert, who care for the critically ill patient, recognizing that different disciplines contribute to the provision of effective care and that essential knowledge and skills are shared by all practitioners. It provides evidence-based guidelines on core critical care procedures and includes a comprehensive competency framework and specific competencies to enable practitioners to assess their abilities and expertise. Each chapter provides a comprehensive overview, beginning with basic principles and progressing to more complex ideas, to support practitioners to develop their knowledge, skills and competencies in critical care.

First multi-year cumulation covers six years: 1965-70.

Extracorporeal membrane oxygenation (ECMO) has been in clinical use for some 40 years, but it is only in the past decade that its application in the treatment of life-threatening circulatory and respiratory failure has truly flourished. This book presents a comprehensive overview of both pathophysiological and practical aspects of circulatory and respiratory extracorporeal support. The basics of ECMO, including its history, the "ECMO team", cannulation, materials, and blood-surface interactions, are first discussed. The various indications for and particular characteristics of circulatory and respiratory extracorporeal life support are then described in detail in the main part of the book. Patient care during ECMO and monitoring of the ECMO patient are also carefully covered, with explanation of the management of technical and clinical complications and transport-related problems. Further topics include long-term therapy options beyond ECMO, such as ventricular assist devices and transplants, outcome, the new frontiers of ECMO for organ procurement and future challenges. The authors are well-known experts in the field whose authoritative contributions and attention to practical aspects will be invaluable for novices and experienced practitioners alike.

Ensure you're referencing the most accurate information surrounding nursing practice in today's neonatal intensive care unit with AWHONN's Core Curriculum for Maternal-Newborn Nursing, 6th Edition. Developed by one of the most authoritative associations in neonatal intensive nursing care, AWHONN, this renowned guide provides in-depth coverage of the most common neonatal disorders and their management — focusing on the latest evidence-based practice for preterm infants, medications, and antepartum-intrapartum complications.

Additionally, the concise outline format makes information easy to find as it highlights the essentials of each condition including the definition, etiology, pathophysiology, signs and symptoms, diagnostic tests, treatments, and outcomes. With timely content that sets the standard for neonatal nursing practice, this trusted reference is an excellent resource for practicing nurses working in any NICU worldwide. Content developed by AWHONN, one of the most authoritative associations in neonatal intensive care nursing, ensures the information is both accurate and relevant. Concise outline format provides access to important nursing considerations associated with the management of the most common conditions in the neonate. Full-scope coverage of neonatal nursing practice provides information on families, ethics, legal issues, research, case management, the transition to home, and more. Focus on evidence-based practice related to preterm infants, medications, and antepartum-intrapartum complications sets the standard for neonatal nursing practice. Strategies to promote inclusionary care better reflect today's nursing care today with a focus on family-centered care, comprehensive perinatal records, health care teams in the NICU, and infant care best practices. NEW! Expanded information on breastfeeding and acquired opioid dependency keep you informed with the latest best practices related to these two everchanging areas.

NEW! Updated neonatal resuscitation guidelines ensures you follow the most up-to-date protocols and procedures in this critical skill area. NEW! Additional tables and boxes help you quickly find important information.

Mechanical Ventilation provides students and clinicians concerned with the care of patients requiring mechanical ventilatory support a comprehensive guide to the evaluation of the critically ill patient, assessment of respiratory failure, indications for mechanical ventilation, initiation of mechanical ventilatory support, patient stabilization, monitoring and ventilator discontinuance. The text begins with an introduction to critical respiratory care followed by a review of respiratory failure to include assessment of oxygenation, ventilation and acid-base status. A chapter is provided which reviews principles of mechanical ventilation and commonly used ventilators and related equipment. Indications for mechanical ventilation are next discussed to include invasive and non-invasive ventilation. Ventilator commitment is then described to include establishment of the airway, choice of ventilator, mode of ventilation, and initial ventilator settings. Patient stabilization is then disc

This book explores the unique aspects involved in the management of ECMO patients such as physiopathology and indications, setting up the device, monitoring ECMO and the patient, troubleshooting, ethical aspects and rehabilitation. For the past eight years, management of acute heart failure and Acute Respiratory Distress Syndrome (ARDS) patients has been improved by the development of short-term assistance devices, with ECMO as a first line treatment. This highly informative book provides essential insights for ICU nurses at ECMO centers around the world, who face the substantial challenges involved in the management of ECMO patients. Above all, it meets their training needs with regard to bedside monitoring for these patients, which has become a major issue. The editors and most of the contributors serve at La Pitié-Salpêtrière ICU, France, which, in terms of the number of admissions and major publications produced, is one of the world's leading authorities on ECMO.

Most patients with critical cardiac or thoracic conditions will at some stage pass through the cardiothoracic critical care unit. Critical care presents more complex clinical data than any other area of medicine. Continuous monitoring makes diagnosis easy and further information can be easily obtained via a variety of diagnostic tools. Core Topics in Cardiothoracic Critical Care will guide clinicians from all disciplines in the management of cardiothoracic patients, demystifying the critical care unit and providing the key knowledge in a concise and accessible manner. The central section is a detailed discussion of the management of each physiologic system; additional sections cover admission, general considerations in cardiothoracic critical care, procedure-specific care, discharge and follow-up, structure and organization of the unit, and ethical and legal issues. All aspects of the overall care of the critically ill cardiothoracic patient are explained concisely and comprehensively by experts in the field.

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