

Communication And Teamwork Focused Simulation Based

This is a practical guide to the use of simulation in pediatric training and evaluation, including all subspecialty areas. It covers scenario building, debriefing and feedback, and it discusses the use of simulation for different purposes: education, crisis resource management and interdisciplinary team training, competency assessment, patient safety and systems integration. Readers are introduced to the different simulation modalities and technologies and guided on the use of simulation with a variety of learners, including medical students, residents, practicing pediatricians, and health-related professionals. Separate chapters on each pediatric subspecialty provide practical advice and strategies to allow readers to integrate simulation into existing curriculum. Pediatric subspecialties covered include: General Pediatrics, Pediatric Emergency Medicine and Trauma, Neonatology, Pediatric Critical Care Medicine, Transport Medicine, Pediatric Anesthesia, and Pediatric Surgery amongst many others. Comprehensive Healthcare Simulation PEDIATRICS Edition is a volume in the series, Comprehensive Healthcare Simulation. The series is designed to complement Levine et al., eds., The Comprehensive Textbook of Healthcare Simulation by providing short, focused volumes on the use of simulation in a single specialty or on a specific simulation topic, and emphasizing practical considerations and guidance.

Whether you are practicing in an in-patient or an out-patient facility, academic institution, or clinical residency program, this well-respected handbook gives you the background and guidance you need to effectively educate individuals across the continuum of physical therapy practice. Practical, real-life examples show you how to: incorporate health literacy and needs of the learner; assess and adapt to the various learning styles of patients; use simulations in education; facilitate the development of clinical reasoning skills; and assess learning outcomes and the effectiveness of your teaching. Plus, four all-new chapters and major revisions of all content throughout the book keep you on top of the latest research and best practices. Coverage of the theory and application of educational principles across the continuum of PT practice provides the information you need to improve your skills in the educational process both in academic and clinical settings. Two section format divides content into two parts: designing academic and clinical education programs and teaching students in academic and clinical settings; and teaching patients and families in clinical and community settings. Variety of teaching and teaching assessment methods expands your teaching, learning, and assessment repertoires. Case stories at the beginning of each chapter allow you to see the relevance of the information in the chapter. Threshold concepts highlight key ideas that are important to know. Annotated bibliography at end of each chapter provides resources for further study. NEW! Chapter on Authentic Assessment: Simulation-Based Education reflects the new ways to facilitate student learning through the use of human simulation models. NEW! Chapter on Strategies for Planning and Implementing Interprofessional Education covers the fundamental concepts of team-based care and interprofessional learning. NEW! Chapter on What Makes a Good Clinical Teacher? translates current research on clinical teaching into clinical education and practice. NEW! Chapter on Facilitating the Teaching and Learning of Clinical Reasoning helps you apply current research on clinical reasoning in rehabilitation to clinical education and teaching. NEW! Two combined chapters on Patient Education and Health Literacy (previously chapters 8 and 12) and Applied Behavioral Theory and Adherence: Models for Practice (previously chapters 9 and 10) provide focused presentations on current thinking and practical strategies for addressing health literacy issues in the clinical environment. NEW! Expanded chapter on Post-Professional Clinical Residency and Fellowship Education offers more information on models and trends in residency education and mentoring. Highly readable, well illustrated, and easy to understand, Obstetrics: Normal and Problem Pregnancies remains your go-to choice for authoritative guidance on managing today's obstetric patient. Reflecting the expertise of internationally recognized authorities, this bestselling obstetrics reference has been thoroughly revised to bring you up to date on everything from ultrasound assessment of fetal anatomy and growth, to medical complications in pregnancy, to fetal therapy...and much more! 'An excellent reference for residents and fellows in training alike' Reviewed by: Obstetrics and Prenatal Diagnosis Unit, Landspital University Hospital/University of Iceland Date: December 2014 Benefit from the knowledge and experience of international experts in obstetrics. Gain a new perspective on a wide range of today's key issues - all evidence-based and easy to read. Stay current with new coverage of fetal origins of adult disease, evidence-based medicine, quality assessment, nutrition, global obstetric practices, and much more. Find the information you need quickly with bolded key statements, additional tables, flow diagrams, and bulleted lists for easy reference. Zero in on "Key Points" in every chapter - now made more useful than ever with the inclusion of related statistics. View new ultrasound nomograms in the Normal Values in Pregnancy appendix. Access the complete contents online, plus exclusive references, tables, and images, at www.expertconsult.com.

Practising fundamental patient care skills and techniques is essential to the development of trainees' wider competencies in all medical specialties. After the success of simulation learning techniques used in other industries, such as aviation, this approach has been adopted into medical education. This book assists novice and experienced teachers in each of these fields to develop a teaching framework that incorporates simulation. The Manual of Simulation in Healthcare, Second Edition is fully revised and updated. New material includes a greater emphasis on patient safety, interprofessional education, and a more descriptive illustration of simulation in the areas of education, acute care medicine, and aviation. Divided into three sections, it ranges from the logistics of establishing a simulation and skills centre and the inherent problems with funding, equipment, staffing, and course development to the considerations for healthcare-centred simulation within medical education and the steps required to develop courses that comply with 'best practice' in medical education. Providing an in-depth understanding of how medical educators can best incorporate simulation teaching methodologies into their curricula, this book is an invaluable resource to teachers across all medical specialties. Proceedings of the AHFE 2017 International Conference on Human Error, Reliability, Resilience, and Performance, July 17–21, 2017, The Westin Bonaventure Hotel, Los Angeles, California, USA

Handbook of Research on Gaming Trends in P-12 Education

A Handbook for Success

Innovation, Technology, and Applied Informatics for Nurses

Oxford American Handbook of Disaster Medicine

The Comprehensive Textbook of Healthcare Simulation is a cohesive, single-source reference on all aspects of simulation in medical education and evaluation. It covers the use of simulation in training in each specialty and is aimed at healthcare educators and administrators who are developing their own simulation centers or programs and professional organizations looking to incorporate the technology into their credentialing process. For those already involved in simulation, the book will serve as a state-of-the-art reference that helps them increase their knowledge base, expand their simulation program's capabilities, and attract new, additional target learners. Features: • Written and edited by pioneers and experts in healthcare simulation • Personal memoirs from simulation pioneers • Each medical specialty covered • Guidance on teaching in the simulated environment • Up-to-date information on current techniques and technologies • Tips from "insiders" on funding, development, accreditation, and marketing of simulation centers • Floor plans of simulation centers from across the United States • Comprehensive glossary of terminology

The fully updated Crisis Management in Anesthesiology continues to provide updated insights on the latest theories, principles, and practices in anesthesiology. From anesthesiologists and nurse anesthetists to emergency physicians and residents, this medical reference book will effectively prepare you to handle any critical incident during anesthesia. Identify and respond to a broad range of life-threatening situations with the updated Catalog of Critical Incidents, which outlines what may happen during surgery and details the steps necessary to respond to and resolve the crisis. React quickly to a range of potential threats with an added emphasis on simulation of managing critical incidents. Useful review for all anesthesia professionals of the core knowledge of diagnosis and management of many critical events. Explore new topics in the ever-expanding anesthesia practice environment with a detailed chapter on debriefing. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability.

This book brings together studies broadly dealing with human error from different disciplines and perspectives. They concern human performance; human variability and reliability analysis; medical, driver and pilot error, as well as automation error; reports on root cause analyses; and the cognitive modeling of human error. In addition, they highlight cutting-edge applications in safety management, defense, security, transportation, process controls, and medicine, as well as more traditional fields of application. Based on the AHFE 2017 International Conference on Human Error, Reliability, Resilience, and Performance, held on July 17–21, 2017 in Los Angeles, California, USA, the book includes experimental papers, original reviews, and reports on case studies, as well as meta-analyses, technical guidelines, best practice and methodological papers. It offers a timely reference guide for researchers and practitioners dealing with human error in a diverse range of fields. "p>

This issue on sex and gender comes at an opportune time, as the DSM-IV is being revised, and in particular sex and gender issues are being reconsidered. This issue focuses on research in the area of gender variant children and transgender adolescents, assessment of several scenarios and clear information on practice parameters. Therapy for gender variant children and transgender adolescents is discussed in detail, as well as parents' perspectives, ethical legal, and non-discrimination issues, and education on these subjects. International standards of care are also discussed.

Advances in Human Error, Reliability, Resilience, and Performance

Comprehensive Healthcare Simulation: Pediatrics

Trauma Anesthesia

Quality Improvement and Implementation Science, An Issue of Anesthesiology Clinics

Creating an Evidence-Based Practice for Academic Clinical Nurse Educators

Obstetrics

Disasters are difficult to manage for many reasons: the immediacy of the event, magnitude of the event, lack of evidence-based practices, and the limited usefulness of many developed protocols. Consequently, combining academic approaches with realistic and practical recommendations continues to be an underdeveloped aspect of disaster texts. The Oxford American Handbook of Disaster Medicine offers a functional blend of science with pragmatism. Approached from a real-world perspective, the handbook is a portable guide that provides sufficient scientific background to facilitate broader application and problem solving yet approach the topic in a prioritized fashion, supporting rapid understanding and utilization. Contributing authors are clinical and public health providers with disaster experience. This book encompasses the entire scope of disaster medicine from general concepts and fundamental principles to both manmade and natural threats.

Emerging technologies enable a wide variety of creative expression, from music and video to innovations in visual art. These aesthetics, when properly explored, can enable enhanced communication between all kinds of people and cultures. The Handbook of Research on Digital Media and Creative Technologies considers the latest research in education, communication, and creative social expression using digital technologies. By exploring advances in art and culture across national and sociological borders, this handbook serves to provide artists, theorists, information communication specialists, and researchers with the tools they need to effectively disseminate their ideas across the digital plane.

Interprofessional teamwork and collaborative practice are emerging as key elements of efficient and productive work in promoting health and treating patients. The vision for these collaborations is one where different health and/or social professionals share a team identity and work closely together to solve problems and improve delivery of care. Although the value of interprofessional education (IPE) has been embraced around the world - particularly for its impact on learning - many in leadership positions have questioned how IPE affects patient, population, and health system outcomes. This question cannot be fully answered without well-designed studies, and these studies cannot be conducted without an understanding of the methods and measurements needed to conduct such an analysis. This Institute of Medicine report examines ways to measure the impacts of IPE on collaborative practice and health and system outcomes. According to this report, it is possible to link the learning process with downstream person or population directed outcomes through thoughtful, well-designed studies of the association between IPE and collaborative behavior. Measuring the Impact of Interprofessional Education on Collaborative Practice and Patient Outcomes describes the research needed to strengthen the evidence base for IPE outcomes. Additionally, this report presents a conceptual model for evaluating IPE that could be adapted to particular settings in which it is applied. Measuring the Impact of Interprofessional Education on Collaborative Practice and Patient Outcomes addresses the current lack of broadly applicable measures of collaborative behavior and makes recommendations for resource commitments from interprofessional stakeholders, funders, and policy makers to advance the study of IPE.

Drawing on the universal values in health care, the second edition of Quality and Safety in Nursing continues to devote itself to the nursing community and explores their role in improving quality of care and patient safety. Edited by key members of the Quality and Safety Education for Nursing (QSEN) steering team, Quality and Safety in Nursing is divided into three sections. Itfirst looks at the national initiative for quality and safety and links it to its origins in the IOM report. The second section defines each of the six QSEN competencies as well as providing teaching and clinical application strategies, resources and current references. The final section now features redesigned chapters on implementing quality and safety across settings. New to this edition includes: Instructional and practice approaches including narrative pedagogy and integrating the competencies in simulation A new chapter exploring the application of clinical learning and the critical nature of inter-professional teamwork A revised chapter on the mirror of education and practice to better understand teaching approaches This ground-breaking unique text addresses the challenges of preparing future nurses with the knowledge, skills, and attitudes (KSAs) necessary to continuously improve the health care system in which they practice.

Healthcare Ethics and Training: Concepts, Methodologies, Tools, and Applications

Quality and Safety in Anesthesia and Perioperative Care

Obstetrics: Normal and Problem Pregnancies E-Book

Mastering Simulation, Second Edition

Comprehensive Healthcare Simulation: InterProfessional Team Training and Simulation

Core Curriculum for Neonatal Intensive Care Nursing - E-Book

This book focuses on InterProfessional (IP) Team Training and Simulation, from basic concepts to the practical application of IP in different healthcare settings. It thoroughly and comprehensively covers the role of simulation in healthcare, human factors in healthcare, challenges to conducting simulation-based IP, logistics, and applications of simulation-based IP in clinical practice. Supplemented by high-quality figures and tables, readers are introduced to the different simulation modalities and technologies employed in IP team training and are guided on the use of simulation within IP teams. Part of the authoritative Comprehensive Healthcare Simulation Series, InterProfessional Team Training and Simulation can be used in training for a variety of learners, including medical students, residents, practicing physicians, nurses, and health-related professionals.

Gaming applications are rapidly expanding into the realm of education. Game-based education creates an active and enjoyable learning environment, especially for children and young adults who regularly use gaming for recreational purposes. Due to the evolving nature of education, gaming provides a transformative learning experience for diverse students. The Handbook of Research on Gaming Trends in P-12 Education provides current research intended to aid educators, school administrators, and game developers in teaching today's youth in a technology-immersive society. This publication melds together gaming for entertainment purposes as well as gaming applied within educational settings with an emphasis on P-12 classrooms. Featuring exhaustive coverage on topics relating to virtual reality, game design, immersive learning, distance learning through 3D environments as well as best practices for gaming implementation in real-world settings, this handbook of research is an essential addition to the reference collection of international academic libraries.

"This book provides a complete look at neonatal healthcare delivery. This edition includes discussions of contemporary topics of interest, such as informatics, genetics, global health, and family-centered care, which are vital to providers caring for neonates today. The case studies and the evidence-based practice dialogues at the end of each chapter provide great opportunities for further reflection. The book is useful to a wide audience in nursing, including undergraduate and graduate nursing students, practicing neonatal and pediatric nurses, and advanced practice nurses who care for neonates." Score: 92, 4 Stars.--Doody's Medical Reviews This 'classic' has been thoroughly updated to incorporate the most up-to-date research findings and strategies for providing cost-effective and evidence-based care. New chapters address emerging infections, the late preterm infant, and neonatal care from a global perspective. Included are updated neonatal care protocols and procedures, neuroprotective risk factors, new treatments, and new trends in developmental care. Text integrates the Institute of Medicine's (IOM) five competencies, reflects the Affordable Healthcare Act and the Robert Wood Johnson and IOM report "The Future of Nursing." The text continues to provide neonatal care from a physiologic and pathophysiologic approach, with a major emphasis on nursing management at the bedside and advanced practice level. Each neonatal body system is presented, along with E-B interventions to assist in understanding the 'why' behind what is seen in the clinical area. Integrative management is threaded through the text along with extensive research findings to support practice strategies and rationales for sound clinical decision-making. Topics of recent interest include iatrogenic complications, neonatal pain, use of computers or other technology in neonatal care, and neonatal AIDS. Case studies enhance understanding of both common and rare neonatal conditions.

New to the Fifth Edition: New chapters: emerging infections, the late preterm infant, and neonatal care from a global perspective Updated neonatal care protocols and procedures, neuroprotective factors, new treatment modalities and new trends in developmental care Tackles the UN Millennium Development Goals (MDGs) Addresses the expansion of the nurse's role in the US and worldwide Provides case studies that lead the reader through the identification, diagnosis, treatment, and evaluation of common and rare neonatal conditions

This is a practical guide to the use of simulation in emergency medicine training and evaluation. It covers scenario building, debriefing, and feedback, and it discusses the use of simulation for different purposes, including education, crisis resource management and interdisciplinary team training. Divided into five sections, the book begins with the historical foundations of emergency medicine, as well as education and learning theory. In order to effectively relay different simulation modalities and technologies, subsequent chapters feature an extensive number of practical scenarios to allow readers to build a curriculum. These simulations include pediatric emergency medicine, trauma, disaster medicine, and ultrasound. Chapters are also organized to meet the needs of readers who are in different stages of their education, ranging from undergraduate students to medical directors. The book then concludes with a discussion on the future and projected developments of simulation training. Comprehensive Healthcare Simulation: Emergency Medicine is an invaluable resource for a variety of learners, from medical students, residents, and practicing emergency physicians to emergency medical technicians, and health-related professionals.

Comprehensive Neonatal Nursing Care

Concepts, Methodologies, Tools, and Applications

Team Strategies & Tools to Enhance Performance and Patient Safety

Making it Real

Fuhrman & Zimmerman's Pediatric Critical Care E-Book

Assessing Competence in Professional Performance across Disciplines and Professions

Second Edition was a winner of the AJN Award! "Unique to this book, and what sets it apart from other books on simulations and clinical scenarios, are the personal experiences...that the authors bring to the chapters. The authors' passion, enthusiasm, and inspiration are truly reflected and demonstrated in each chapter. Authors talk about lessons learned, teaching strategies, and in-depth research... Key highlights in the book include the practice application of how to develop, implement, and evaluate clinical simulations in your nursing program. The authors make understanding simulation pedagogy an easy journey and one that is exciting that educators will want to try and embrace even when there is hesitation and uncertainty." -Pamela R. Jeffries, PhD, RN, FAAN, ANEF; Professor, Dean; George Washington University School of Nursing; From the Foreword When employed as a substitute for real clinical time, simulation scenarios have proven effective in bridging the gap between theory and practice. Written by educators for educators, this book provides all the knowledge, skills, and tools needed to make simulation feasible, enjoyable, and meaningful for students. In this edition, there are 25 new chapters, 20 of them scenarios for all levels and specialties, and 11 of those representing interprofessional education and team training. This acclaimed text for nursing faculty provides detailed, step-by-step guidance on all aspects of clinical simulation. Each scenario is broken down into objectives, pre-scenario checklists, implementation plans, evaluation criteria, debriefing guidelines, and recommendations for further use. Replete with diverse scenarios, this comprehensive resource covers geriatric, pediatric, trauma, obstetric, and community-based patient scenarios. Chapters cover all levels of nursing students from pre-licensure to doctoral level, and contain the authors' own advice and experiences working in simulation around the globe. All scenarios have been updated to adhere to the new best practice simulation standards for design, facilitator and participant criteria, interprofessional criteria, and debriefing processes. A template for creating scenarios spans the text and includes student preparation materials, forms to enhance the realism of the scenario, and checklists for practice assessment and evaluation. The revised edition now includes scenarios easily adaptable to an instructor's own lab, an international perspective, and a section on graduate nursing education and eleven new interdisciplinary clinical scenarios. New to the third edition: 20 brand-new scenarios in anesthesia, midwifery, pediatric, disaster, and other specialty focused situations, plus five new chapters Updated to encompass new simulation pedagogy including best practice standards New scenarios easily adapted to an instructor's own lab Integrating disability into nursing education with standardized patients and the use of IV simulations Interprofessional and international scenarios focused on areas of global concern: obstetric hemorrhage, neonatal hypoglycemia, deteriorating patients A new section on how to "write like a nurse" in clinical simulation environments Teaching and evaluating therapeutic communication with a review of instruments for assessment Key Features: Includes information on how to integrate simulation into curricula Addresses conceptual and theoretical foundations of simulation in nursing education, including an expanded chapter on the Framework for Simulation Learning in Nursing Education Includes a wide variety of practical scenarios in ready-to-use format with instructions Provides a template for scenario development Delivers recommendations for integration of point-of-care decision-making tools Offers opportunities for enhancing complexity, incorporating interprofessional competencies, and debriefing guidelines Provides insight into pedagogical intergration of simulation throughout every aspect of the nursing curriculum with scenarios mapped to North American standards and the NCLEX-RN Blueprint Includes details on: learning lab and staff development from fundraising and building a lab (Ch. 6), to placement of AV (Ch. 7) to faculty development (Ch. 5) and self-assessment for certification and accreditation (Ch. 54). A trauma-informed approach to women's health (Ch. 33) Scenarios with authors from North America (USA & Canada), Brazil, and Hong Kong The application of proper ethical systems and education programs is a vital concern in the medical industry. When healthcare professionals are held to the highest moral and training standards, patient care is improved. Healthcare Ethics and Training: Concepts, Methodologies, Tools, and Applications is a comprehensive source of academic research material on methods and techniques for implementing ethical standards and effective education initiatives in clinical settings. Highlighting pivotal perspectives on topics such as e-health, organizational behavior, and patient rights, this multi-volume work is ideally designed for practitioners, upper-level students, professionals, researchers, and academics interested in the latest developments within the healthcare industry.

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.

This pragmatic book is a guide for the use of simulation in surgery and surgical subspecialties, including general surgery, urology, gynecology, cardiothoracic and vascular surgery, orthopedics, ophthalmology, and otolaryngology. It offers evidence-based recommendations for the application of simulation in surgery and addresses procedural skills training, clinical decision-making and team training, and discusses the future of surgical simulation. Readers are introduced to the different simulation modalities and technologies used in surgery with a variety of learners including students, residents, practicing surgeons, and other health-related professionals.

A Competency Approach to Improving Outcomes
Clinical Simulations for the Advanced Practice Nurse
The Comprehensive Textbook of Healthcare Simulation
Manual of Simulation in Healthcare

The Wiley Blackwell Handbook of the Psychology of Team Working and Collaborative Processes
Quality of Anesthesia Care, An Issue of Anesthesiology Clinics - E-Book

After 30 years, *Obstetrics: Normal and Problem Pregnancies* remains your go-to choice for authoritative guidance on managing today ' s obstetric patient. International experts put the latest knowledge in this specialty at your fingertips, with current and relevant information on everything from fetal origins of adult disease, to improving global maternal health, to important topics in day-to-day obstetrical practice. Highly readable, well-illustrated, and easy to understand, this bestselling obstetrics reference is an ideal tool for residents and clinicians. Take advantage of the collective wisdom of global experts in the field, including two new editors— Drs. Vincenzo Berghella and William Grobman -- and nearly 30 new contributors. Gain a new perspective on a wide range of today's key issues - all evidence-based and easy to read. Sweeping updates throughout including four new chapters: ' Vaginal Birth after Cesarean Delivery ' ; ' Placenta Accreta ' ; ' Obesity ' ; and ' Improving Global Maternal Health: Challenges and Opportunities ' New Glossary of the most frequently used key abbreviations for easy reference Expanded use of bolded statements and key points as well as additional tables, flow diagrams, and bulleted lists facilitates and enhances the mastery of each chapter More than 100 images in the Obstetrical Ultrasound chapter provide an important resource for normal and abnormal fetal anatomy

This issue of *Anesthesiology Clinics* focuses on Quality Improvement and Implementation Science, with topics including: Applying implementation science principles to perioperative care; Emergency checklists in perioperative care; Human factors applied to perioperative process improvement; Handoffs in perioperative care; Use of simulation in performance improvement; Developing capacity to do improvement science work; Developing multicenter registries to advance quality science; Rethinking clinical workflow; data-driven quality improvement; and Scaling quality improvement at the health system level.

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.

Trauma patients present a unique challenge to anesthesiologists, since they require resource-intensive care, often complicated by pre-existing medical conditions. This fully revised new edition focuses on a broad spectrum of traumatic injuries and the procedures anesthesiologists perform to care for trauma patients perioperatively, surgically, and post-operatively. Special emphasis is given to assessment and treatment of co-existing disease, including surgical management of trauma patients with head, spine, orthopedic, cardiac, and burn injuries. Topics such as training for trauma (including use of simulation) and hypothermia in trauma are also covered. Six brand new chapters address pre-hospital and ED trauma management, imaging in trauma, surgical issues in head trauma and in abdominal trauma, anesthesia for oral and maxillofacial trauma, and prevention of injuries. The text is enhanced with numerous tables and 300 illustrations showcasing techniques of airway management, shock resuscitation, echocardiography and use of ultrasound for the performance of regional anesthesia in trauma.

Simulations for Personnel Selection
Normal and Problem Pregnancies
Education, Operations and Engineering
Clinical Simulation

Handbook of Teaching for Physical Therapists - E-Book

A Comprehensive Guide for Faculty, Students, and Simulation Staff

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. 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 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 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 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 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.

Provides high-quality, comprehensive simulation scenarios for APRNs This invaluable resource is the first simulation guide designed specifically to support the training and evaluation of advanced practice nursing students, novice nurse practitioners, and advanced practice nurses transitioning to new fields. This book provides a method and foundation to transform graduate nursing education to competency-based clinical evaluation, empowering programs with standardized templates and interprofessional education options for each scenario to advance graduate simulation education and research. This comprehensive guide delivers more than 50 comprehensive simulation scenarios, written by experienced APRNs, faculty, and simulation specialists. Scenarios are arranged by APRN specialty with applications for students, faculty, standardized patients, staff development, and simulation staff who prepare the advanced practice nurse and their interprofessional team for clinical practice. Not only is this text easy for faculty to use and implement, it also includes several levels of application and offers strategies for adapting scenarios to an interprofessional setting. Each simulation is structured into a consistent template for ease of use, which includes a description, objectives, equipment needed, pre-briefing, debriefing, and interprofessional considerations. Additionally, each scenario includes a one-page download designed for the Simulation Team focusing on "what happens" in a particular scenario. These comprehensive simulations encompass a wide variety of physical health and mental health scenarios across the lifespan as well as telehealth, critical care transport, and retail scenarios. Three detailed sections dedicated to APRN students, faculty, and simulation staff provide timely topics and sound advice from recent graduates, faculty experts, and leaders in the simulation field. The section for students provides anticipatory guidance for novice practitioners on how best to prepare for formative and summative evaluations, standardized patient interactions, high-stakes simulation testing, and interprofessional experiences. The section for faculty provides practical information on how to design engaging simulation experiences for the APRN, and suggestions on mapping the various modes of simulation experiences to various levels and competencies. A detailed section directed to the simulations team covers operations and management of the environment, personnel, equipment, and resources. Key Features: Provides 10 Objective Structured Clinical Examination (OSCE) standard scenarios for general advanced practice assessment Contains more than 50 comprehensive simulation scenarios, arranged by APRN specialty for formative, summative, and high-stakes testing and competency evaluations Consistent with INACSL and SSH Simulation Standards of Best Practice and NLN Simulation Theory by Pamela Jeffries Maps simulation experiences to APRN learner levels and AACN competencies Includes separate sections tailored towards APRN students, APRN faculty and staff development, and the simulation operational team Delineates and provides hyperlinks for suggested learner preparation and the most up-to-date references to support each scenario

Designed for all providers of women's healthcare - including those undertaking Maintenance of Certification programs, trainees preparing for postgraduate examinations, and those initiating or growing a program of quality improvement and patient safety - this practical manual guides those implementing QI and safety programs with specific emphasis on Obstetrics and Gynecology practice. The content contains a strong case-based element to improve accessibility and understanding. An introductory section covers core attributes needed by all physicians to build a culture of patient safety, including leadership, communication and QI skills. Core clinical skills are then reviewed - in a variety of labor ward, office, operating room, and outpatient settings. Finally systems implications are highlighted, including information transparency and disclosure, training programs, and regulatory and legal implications. The editors are involved with national and international initiatives educating physicians in safety aspects of practice. The book is published in collaboration with the Foundation for EXXcellence. Quality and Safety in Anesthesia and Perioperative Care offers practical suggestions for improving quality of care and patient safety in the perioperative setting. Chapters are organized into sections on clinical foundations and practical applications, and emphasize strategies that support reform at all levels, from operating room practices to institutional procedures. Written by leading experts in their fields, chapters are based on accepted safety, human performance, and quality management science and they illustrate the benefits of collaboration between medical professionals and human factors experts. The book highlights concepts such as situation awareness, staff resource management, threat and error management, checklists, explicit practices for monitoring, and safety culture. Quality and Safety in Anesthesia and Perioperative Care is a must-have resource for those preparing for the quality and safety questions on the American Board of Anesthesiology certification examinations, as well as clinicians and trainees in all practice settings.

Human Simulation for Nursing and Health Professions

Quality and Safety in Nursing

A Guide to Interprofessional Practice

Pediatric Critical Care E-Book

Comprehensive Healthcare Simulation: Emergency Medicine

Pediatric Acute Care

A state-of-the-art psychological perspective on team working and collaborative organizational processes This handbook makes a unique contribution to organizational psychology and HRM by providing comprehensive international coverage of the contemporary field of team working and collaborative organizational processes. It provides critical reviews of key topics related to teams including design, diversity, leadership, trust processes and performance measurement, drawing on the work of leading thinkers including Linda Argote, Neal Ashkanasy, Robert Kraut, Floor Rink and Daan van Knippenberg.

Excellence in clinical nursing education is essential in training today's nursing students. The first resource of its kind to address this specialized area of expertise, Clinical Nurse Educator Competencies equips educators with a mastery of the evidence-based competencies and tasks needed to confidently guide students through learning experiences in clinical settings and to produce competent nurses ready for practice. Detailed analysis of each competency synthesizes relevant literature and reflects the insight of the NLN Task Group on Clinical Nurse Educators, providing an authoritative framework to help educators prepare students for the rigors of clinical nursing practice in today's changing healthcare environment. "This synthesis and validation of academic clinical nurse educator competencies defines a scope of practice for the role of the academic clinical nurse educator. The results provide a standard of excellence central to the performance expectations associated with this specialized role."

The Wiley Blackwell Handbook of the Psychology of Team Working and Collaborative Processes John Wiley & Sons

Simulation can be a valuable tool in academic or clinical settings, but technology changes quickly, and faculty, students, and clinicians need to know how to respond. Understanding simulation scenarios and environments is essential when designing and implementing effective programs for interdisciplinary learners. In this fully revised second edition of Mastering Simulation, nationally known experts Janice Palaganas, Beth Ulrich, and Beth Mancini guide students and practitioners in developing clinical competencies and provide a solid foundation for improving patient outcomes.

Coverage includes: - Creating simulation scenarios and improving learner practice - Designing program evaluations and managing risk and quality improvement - Developing interprofessional programs and designing research using simulation

Measuring the Impact of Interprofessional Education on Collaborative Practice and Patient Outcomes

Comprehensive Healthcare Simulation: Surgery and Surgical Subspecialties

Handbook of Research on Digital Media and Creative Technologies

Crisis Management in Anesthesiology E-Book

Simulation Scenarios for Nursing Educators, Third Edition

TeamSTEPPS 2.0

?This book provides a comprehensive and state-of-the-art overview of simulation development, technologies, and implementation, including real-world examples and results followed by a preview of what's on the horizon that will further revolutionize the industry. More than a handful of books have been written on the use of simulations for training purposes, but this book focuses solely on simulations in employee selection contexts (e.g., hiring, promotion), making it a truly unique and valuable resource for both practitioners and academics. The science and practice of employee selection has advanced at a steady pace over the past two or three decades. However, recent advancements in both technology and assessment methods have been the catalyst for an evolutionary leap in the use of simulations in this area.

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. Highly readable, well-illustrated, and easy to understand, Gabbe's Obstetrics: Normal and Problem Pregnancies is an ideal day-to-day reference or study tool for residents and clinicians. This 8th Edition of this bestselling text offers fast access to evidence-based, comprehensive information, now fully revised with substantial content updates, new and improved illustrations, and a new, international editorial team that continues the tradition of excellence established by Dr. Steven Gabbe. Puts the latest knowledge in this complex specialty at your fingertips, allowing you to quickly access the information you need to treat patients, participate knowledgeably on rounds, and perform well on exams. Contains at-a-glance features such as key points boxes, bolded text, chapter summaries and conclusions, key abbreviations boxes, and quick-reference tables, management and treatment algorithms, and bulleted lists throughout. Features detailed illustrations from cover to cover—many new and improved—including more than 100 ultrasound images that provide an important resource for normal and abnormal fetal anatomy. Covers key topics such as prevention of maternal mortality, diabetes in pregnancy, obesity in pregnancy, vaginal birth after cesarean section, and antepartum fetal evaluation. Provides access to 11 videos that enhance learning in areas such as cesarean delivery and operative vaginal delivery.

Innovation, Technology, and Applied Informatics for Nurses explores informatics trends emerging over the next decade including personalized healthcare, telehealth, artificial intelligence, voice recognition, and predictive analytics. Emphasis is placed on their importance, benefits, and key challenges for nurses. Digital health and patient-generated data in the context of remote monitoring are highlighted with a focus on digital health tools, issues, challenges, and implications for the future. A featured case study includes the use of patient-generated data during the COVID-19 pandemic including critical lessons learned. A discussion of the technological building blocks of sensors and the Internet of Things highlights examples of how healthcare delivery system models of care are being transformed. Applied data science as an emerging healthcare discipline explores natural language processing, data science frameworks, implications for data bias, and ethical considerations. The conceptual building blocks of artificial intelligence and machine learning are outlined resulting in a call for all nurses to develop an improved understanding of implications for our practice and our patients. Telehealth is described as including modalities, services, virtual care, human factors, and financial, legal, and regulatory considerations. Key drivers and stakeholders advancing simulation-based care delivery are discussed including recommendations for how healthcare organizations can perform event simulation as they prepare to meet the risk management needs of the future. This book concludes by highlighting documentation best practices implemented during the COVID-19 pandemic. Nursing and Informatics for the 21st Century – Embracing a Digital World, 3rd Edition is comprised of four books which can be purchased individually: Book 1: Realizing Digital Health – Bold Challenges and Opportunities for Nursing Book 2: Nursing Education and Digital Health Strategies Book 3: Innovation, Technology, and Applied Informatics for Nurses Book 4: Nursing in an Integrated Digital World that Supports People, Systems, and the Planet

Comprehensive Healthcare Simulation: Anesthesiology

Nursing and Informatics for the 21st Century - Embracing a Digital World, 3rd Edition, Book 3

Quality and Safety in Women's Health

Clinical Nurse Educator Competencies

Fifth Edition

Clinical Simulation: Education, Operations and Engineering, Second Edition, offers readers a restructured, comprehensive and updated approach to learn about simulation practices and techniques in a clinical setting. Featuring new and revised chapters from the industry's top researchers and educators, this release gives readers the most updated data through modern pedagogy. This new edition has been restructured to highlight five major components of simulation education, including simulation scenarios as tools, student

learning, faculty teaching, necessary subject matter, and the learning environment. With clear and efficient organization throughout the book, users will find this to be an ideal text for students and professionals alike. Edited by a leading educator, consultant and practitioner in the clinical simulation field Redesigned structure emphasizes the five components of simulation pedagogy Contains over 30 new chapters that feature the most up-to-date industry information and practices

This book functions as a practical guide for the use of simulation in anesthesiology. Divided into five parts, it begins with the history of simulation in anesthesiology, its relevant pedagogical principles, and the modes of its employment. Readers are then provided with a comprehensive review of simulation technologies as employed in anesthesiology and are guided on the use of simulation for a variety of learners: undergraduate and graduate medical trainees, practicing anesthesiologists, and allied health providers. Subsequent chapters provide a "how-to" guide for the employment of simulation across wide range of anesthesiology subspecialties before concluding with a proposed roadmap for the future of translational simulation in healthcare. The Comprehensive Textbook of Healthcare Simulation: Anesthesiology is written and edited by leaders in the field and includes hundreds of high-quality color surgical illustrations and photographs.

The text takes the reader step-by-step through the process of planning, organizing, implementing, and maintaining a simulation lab. It describes the required technology, how to train standardized patients, how to implement a simulation, evaluation and analysis of the simulation experience, and how to develop a business plan. the guide details simulation in undergraduate and graduate nursing programs, physician's assistant programs, and mental health education, as well as the use of simulation with critically ill patients, and in perioperative, perianesthesia, women's health, and rehabilitation

This book examines the challenges of cross-professional comparisons and proposes new forms of performance assessment to be used in professions education. It addresses how complex issues are learned and assessed across and within different disciplines and professions in order to move the process of "performance assessment for learning" to the next level. In order to be better equipped to cope with increasing complexity, change and diversity in professional education and performance assessment, administrators and educators will engage in crucial systems thinking. The main question discussed by the book is how the required competence in the performance of students can be assessed during their professional education at both undergraduate and graduate levels. To answer this question, the book identifies unresolved issues and clarifies conceptual elements for performance assessment. It reviews the development of constructs that cross disciplines and professions such as critical thinking, clinical reasoning, and problem solving. It discusses what it means to instruct and assess students within their own domain of study and across various roles in multiple contexts, but also what it means to instruct and assess students across domains of study in order to judge integration and transfer of learning outcomes. Finally, the book examines what it takes for administrators and educators to develop competence in assessment, such as reliably judging student work in relation to criteria from multiple sources. "... the co-editors of this volume, Marcia Mentkowski and Paul F. Wimmers, are associated with two institutions whose characters are so intimately associated with the insight that assessment must be integrated with curriculum and instructional program if it is to become a powerful influence on the educational process ..." Lee Shulman, Stanford University