In Situ Simulation Challenges And Results | a2792120e517f908a312f117ae60a


Manual of Simulation in Healthcare Drawing on the knowledge and experiences of world-renowned scientists and healthcare professionals, this important book brings together academic, medical and health systems experts to discuss the impact of applying qualitative research methods to transform healthcare behaviours, systems and services. It delves into the translation of tried and tested and new innovative ways to deliver high-quality care delivered in a system that is based on evidence. It is a book that brings together the core message of medical simulation education to those who can make a difference in the world of medicine.

The Comprehensive Textbook of Healthcare Simulation: ECMO Simulation is a comprehensive guide to the use of simulation in ECMO simulation. It covers the scenario building and debriefing of ECMO simulation, and discusses the use of simulation in ECMO simulation to improve patient outcomes. It also includes a discussion on the future and projected developments of simulation in ECMO simulation.

The book is divided into six sections, each of which covers a different aspect of ECMO simulation. Section One introduces the history of ECMO simulation, its evolution to its current state, and future directions of technology and science related to ECMO simulation. Section Two discusses the methods and techniques to implement an ECMO simulation program. Section Three provides a detailed overview of the ECMO simulation process, including the setup, execution, and evaluation of an ECMO simulation program. Section Four explores the technical and logistical aspects of ECMO simulation, including the use of simulation devices and software. Section Five focuses on the legal and ethical considerations of ECMO simulation, including the issues of patient confidentiality and patient safety. Section Six concludes with a discussion on the future and projected developments of simulation in ECMO simulation.

The Comprehensive Textbook of Healthcare Simulation: ECMO Simulation 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.

The book is divided into two main sections, the first analyzes the methods and techniques to implement a program, including marketing, finances, and program evaluation. The second section then delves into greater detail regarding the actual teaching and training, including chapters on educational methodology, scenario design, and how to prepare for a simulation session.

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Neonatal Health Care This new addition to the popular Essentials series provides a broad, general introduction to the topic of simulation within clinical education. An ideal resource for anyone interested in simulation learning, this book presents a theoretical and practical introduction to simulation, while also offering strategies for successful use of simulators within general clinical education and demonstrating best practice throughout. This timely new title provides:

- The latest information on developments in the field, supported by an evidence-based Content written by a global team of experts Discussion of policy and strategy initiatives relevant to simulation within the healthcare environment, including inter-professional simulation. A superb resource for those new to simulation in multi-disciplinary healthcare teaching, or interested in health care education practices, Essentials in Clinical Education is the most comprehensive guide to the field currently available.

Distance Education in Nursing The Annual Update compiles reviews of the most recent developments in experimental and clinical intensive care and emergency medicine research and practice in one comprehensive reference book. The chapters are written by well recognized experts in these fields. The book is addressed to everyone involved in general medicine, anesthesia, surgery, pediatrics, intensive care and emergency medicine.

Advances in Patient Safety Print+CourseSmart

Risk Management in Emergency Medicine, An Issue of Emergency Medicine Clinics of North America

Comprehensive Healthcare Simulation: Anesthesiology This book presents simulation as an essential, powerful tool to develop the best possible healthcare system for patients. It provides vital insights into the necessary steps for supporting and enhancing medical care through the simulation methodology. Organized into four sections, the book begins with a discussion on the overarching principles of simulation and systems. Section two then delves into the practical applications of simulation, covering developing new workflows, utilizing new technology, and promoting renewed medical education. Following this, section three examines the transition of ideas and initiatives into everyday practice. Chapters in this section analyze complex interpersonal topics such as how healthcare clinical stakeholders, simulationists, and consultants who are non-clinicians can collaborate. The closing section explores the potential future directions of healthcare simulation, as well as leading-edge techniques necessary to safely and successfully anesthetize children for a range of different surgeries and other procedures. Supporting their work with current data and evidence, the authors explore topics such as pre-procedure assessments, and best practices for safe office-based procedures. Separate chapters on each pediatric subspecialty provide practical advice and strategies to allow readers to integrate simulation into existing curriculum. Pediatric specialists covered include Emergency Medicine, Anesthesiology, General Surgery, Pediatrics, Psychiatry, Pediatrics, Urology, and Pediatric Surgery amongst 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 specialty or on a specific simulation topic, and emphasizing practical considerations and guidelines.

Quality Management in Intensive Care This is a major revision, updating, and expansion of the leading single-source volume on pediatric sedation outside of the operating room. It is the only book aimed at the increasing range of specialists who use pediatric sedation in the non-OR setting. The Second Edition features a significant expansion of contributions from international leaders and individual new chapters on pre-sedation assessment; sedatives’ short- and long-term effects on neurocognition; non-pharmacologic interactions; Michael Jackson’s death and medical ethics; the role of simulation in safety and training; and palliative sedation in terminally ill children. The specialty-specific chapters continue to be geared toward all sedation providers, regardless of where they practice and patient safety is again emphasized. Fundamental chapters provide in-depth reviews of topics which include, among others, physiology and pharmacology. The book presents the latest guidelines across the specialties, both in the United States and abroad. In part two, in mind, and should be a resource for all, be they healthcare educators, administrators, or executives. It covers specific elements of the entire process, from concept to execution, and identifies key decision points along the way. The book is organized around fundamental considerations in center development including governance, structural/facility and curricular design, business planning, to establishing policies and procedures. Chapters analyze the fundamental aspects of planning, such as budgeting, revenue streams, and philanthropy as well as the inclusion of educational resources within such programs. Comprehensive Healthcare Simulation: Program and Center Development is an invaluable addition to the Comprehensive Healthcare Simulation series, and features an authoritative authorship of experts in the field.


Gregory’s Pediatric Anesthesia: Practitioner 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 novices and experienced teachers in each of these fields to develop a teaching framework that incorporates simulation. The Manual of Practice: Healthcare Simulation, 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.

Miller's Anesthesia E-Book 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

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