

Medical Moulage How To Make Your Simulations Come Alive

Here's an easy-to-use guide to creating over 300 special effects for clinical simulations! Simple recipes with over 1,200 vibrant, full-color illustrations provide step-by-step directions that use readily available ingredients. Heighten the realism in your simulations whether using manikins or live actors!

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.

Gerry Stahl Drexel University, Philadelphia, USA The theme of engaged learning with emerging technology is a timely and important one. This book proclaims the global relevance of the topic and sharpens its focus. I would like to open the book by sketching some of the historical context and dimensions of application, before the chapter authors provide the substance. Engagement with the world - To be human is to be engaged with other people in the world. Yet, there has been a dominant strain of thought, at least in the West, that directs attention primarily to the isolated individual as naked mind. From classical Greece to modern times, engagement in the daily activities of human existence has been denigrated. Plato (340 BC/1941) banished worldly engagement to a realm of shadows, removed from the bright light of ideas, and Descartes (1633/1999) even divorced our minds from our own bodies. It can be suggested that this is a particularly Western tendency, supportive of the emphasis on the individual agent in Christianity and capitalism. But the view of people as originally unengaged has spread around the globe to the point where it is now necessary everywhere to take steps to reinstate engagement through explicit efforts. Perhaps the most systematic effort to rethink the nature of human being in terms of engagement in the world was Heidegger's (1927/1996). He argued that human existence takes place through our concern with other people and things that are meaningful to us.

Highly regarded in the field of medical education, A Practical Guide for Medical Teachers provides accessible, highly readable, and practical information for those involved in basic science and clinical medicine teaching. The fully updated 6th Edition offers valuable insights into today's medical education. Input from global contributors who offer an international perspective and multi-professional approach to topics of interest to all healthcare teachers. With an emphasis on the importance of developing educational skills in the delivery of enthusiastic and effective teaching, it is an essential guide to maximizing teaching performance. Offers comprehensive, succinct coverage of curriculum planning and development, assessment, student engagement, and more. Includes 10 new chapters that discuss the international dimension to medical education, clinical reasoning, the roles of teachers, mentoring, burnout and stress, the patient as educator, professional identity,

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curriculum and teacher evaluation, how students learn, and diversity, equality and individuality. Delivers the knowledge and expertise of more than 40 international contributors. Features helpful boxes highlighting practical tips, quotes, and trends in today's medical education. Simulation facilities are invaluable for training in medicine and clinical education, biomedical engineering and life sciences. They allow the practice of prevention, containment, treatment, and procedure in a risk-free setting. This book is a practical guide and reference to the latest technology, operations and opportunities presented by clinical simulation. It shows how to develop and make efficient use of resources, and provides hands-on information to those tasked with setting up and delivering simulation facilities for medical, clinical and related purposes, and the development and delivery of simulation-based education programs A step-by-step manual to developing successful simulation programs Shows how to design, construct, outfit and run simulation facilities for clinical education and research. The Residency Review Committee of the US Accreditation Council on Graduate Medical Education has begun requiring residency programs to have simulation as an integral part of their training programs.

Few faculty members in academic medical centers are formally prepared for their roles as teachers. This work is an introductory text designed to provide medical teachers with the core concepts of effective teaching practice and information about innovations for curriculum design, delivery and assessment. It offers brief, focused chapters with content that is assimilated easily by the reader. The topics are relevant to basic science and clinical teachers and the work does not presume readers possess prerequisite knowledge of education theory or instructional design. The authors emphasize the application of concepts to teaching practice. Topics include: Facilitating Student Learning; Teaching Large Groups; Teaching in Small Groups; Flipping the Classroom; Problem-Based Learning; Team-Based Learning; Teaching Clinical Skills; Teaching with Simulation; Teaching with Practicals and Labs; Teaching with Technological Tools; Teaching to Develop Scientific Engagement in Medical Students; Designing a Course; Establishing and Teaching Elective Courses; Designing Global Health Experiences; Assessing Student Performance; Documenting the Trajectory of Your Teaching and Teaching as Scholarship. This is a complete revision of the first edition of this work with new chapters and up to date information. Similar to the first edition, chapters were written by leaders in medical education and research who draw upon extensive professional experience and the literature on best practices in education. Although designed for teachers, the work reflects a learner-centered perspective and emphasizes outcomes for student learning. The book is accessible and visually interesting and the work contains information that is current, but not time-sensitive. Each chapter concludes with references, many include recommendations for additional reading, and the work includes an appendix with resources for medical education.

The SimWars Simulation Case Book: Emergency Medicine enables novice simulation operators to quickly and effectively run simulation cases, which have been established at national SimWars events, for their respective programs and departments. The use of simulation to gain and maintain skills in healthcare has become critical to the delivery of the curricula in medical schools, nursing schools, residency programs, and hospital-based practice. Specialty boards, such as the American Board of Anesthesiology, now require simulation training as part of the Maintenance of Certification. Studies have shown that one of the main barriers to implementing simulation is the lack of trained simulation instructors and instructor time. Developed by leading emergency medicine simulation experts, this definitive collection of 46 cases includes topics intended to supplement UME and GME training, meet ACGME core competency requirements, and challenge the expert emergency physician in critical decision-making, procedural skills, ethical issues, teamwork and communication skills.

THEY KILL WITHOUT CONSCIENCE. ANN RULE PORTRAYS THEIR SHATTERING CRIMES WITHOUT PITY. In eight stunning Case Files volumes, from *A Rose for Her Grave* to the #1 blockbuster *Last Dance, Last Chance*, Ann Rule reigns as "America's best true-crime writer" (Kirkus Reviews). Now, she updates the most astonishing cases from that acclaimed series -- and presents shocking, all-new true-crime accounts -- in one riveting anthology. In every explosive chapter of *Without Pity*, Ann Rule deepens her unrelenting exploration of the evil that lies behind the perfect facades of heartless killers...and the deadly compulsions of greed and power that shatter their outward trappings of material success. They are the admired, trusted neighbor; the affable family man; the sexy, charismatic lover; the high-achieving professional. Perhaps most frightening of all is that they are heroes in their own minds. But when someone gets in the way of their deluded dreams, they are capable of deadly acts of violence with no remorse. Analyzing the true nature of the sociopathic mind in chilling detail, Ann Rule traces the murderous crimes of seemingly ordinary men -- killers who drew their unsuspecting victims into their twisted worlds with devastating consequences.

This new addition to the popular Essentials series provides a broad, general introduction to the topic of simulation within clinical education. An ideal tool for both teaching and learning, *Essential Simulation in Clinical Education* provides a theoretical and practical introduction to the subject of simulation, whilst 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, all supported by an evidence-base Content written by a global team of experts Discussion of policy and strategy initiatives to ground simulation within the healthcare context Practical examples of cases, including inter-professional learning. A superb companion for those involved in multi-disciplinary healthcare teaching, or interested in health care education practices, *Essential Simulation in Clinical Education* is the most comprehensive guide to the field currently available.

With our highly connected and interdependent world, the growing threat of infectious diseases and public health crisis has shed light on the requirement for global efforts to manage and combat highly pathogenic infectious diseases and other public health crisis on an unprecedented level. Such disease threats transcend borders. Reducing global threats posed by infectious disease outbreaks – whether naturally caused or resulting from a deliberate or accidental release – requires efforts that cross the disaster management pillars: mitigation, preparedness, response and recovery. This book addresses the issues of global health security along 4 themes: Emerging Threats; Mitigation, Preparedness, Response and Recovery; Exploring the Technology Landscape for Solutions; Leadership and Partnership. The authors of this volume highlight many of the challenges that confront our global security environment today. These range from politically induced disasters, to food insecurity, to zoonosis and terrorism. More optimistically, the authors also present some

advances in technology that can help us combat these threats. Understanding the challenges that confront us and the tools we have to overcome them will allow us to face our future with confidence.

An Official Publication of the Society for Simulation in Healthcare, *Defining Excellence in Simulation Programs* aims to meet the needs of healthcare practitioners using simulation techniques for education, assessment, and research. Increasingly, simulation is an integral part of teaching and training programs in healthcare settings around the world. Simulation models, including virtual simulation, scenario-based simulation with actors, and computerized mannequins, contributes to improved performance and reduced errors in patient care. This text establishes working definitions and benchmarks for the field of simulation and defines the types of simulation programs, while also covering program leadership, funding, staffing, equipment and education models. It provides knowledge critical to the success of simulation program management, simulation educators, and simulation researchers. Written to appeal to the novice to advanced beginner, a special section in each chapter is directed to the competent to expert programs, managers, educators, and researchers, so that this text truly can serve as the comprehensive reference for anyone in simulation.

Four novellas from Stephen King bound together by the changing of seasons, each taking on the theme of a journey with strikingly different tones and characters. This gripping collection begins with "Rita Hayworth and the Shawshank Redemption," in which an unjustly imprisoned convict seeks a strange and startling revenge--the basis for the Best Picture Academy Award-nominee *The Shawshank Redemption*. Next is "Apt Pupil," the inspiration for the film of the same name about top high school student Todd Bowden and his obsession with the dark and deadly past of an older man in town. In "The Body," four rambunctious young boys plunge through the facade of a small town and come face-to-face with life, death, and intimations of their own mortality. This novella became the movie *Stand By Me*. Finally, a disgraced woman is determined to triumph over death in "The Breathing Method."--Provided by publisher.

In the world of film and theatre, character transformation takes a lot of work, skill, and creativity. Dedicated solely to SFX, this book will show you tips and techniques from a seasoned SFX makeup artist with years of film, TV, and theatrical experience. Not only will this book take you through the many genres that need a special effects makeup artist, like horror, fantasy, and sci-fi, but it will also tell you about the tools you will need, how to maintain your toolkit, how to take care of the actor's skin, and how to airbrush properly when HD is involved. The author shows you how to sculpt and mold your own makeup prosthetics, focusing on how human anatomy relates to sculpture to create the most realistic effects. Case studies feature some of today's top makeup artists including Neill Gorton, Christopher Tucker, Miles Teves, Jordu Schell, Mark Alfrey, Matthew Mungle, Christien Tinsely, Vittorio Sodano, and Mark Gabarino. Put your new techniques into practice right away and see how some of the looks from the book were achieved with the step-by-step tutorials on

the must-have DVD. * Written by a seasoned special effects make-up artist who has worked in both film and theatre * Gives you exclusive tips and techniques from some of the industry's most gifted artists * DVD tutorials show you step-by-step how to create the techniques from the book; also includes recipes to create makeup prosthetics, a list of suppliers, conversion charts, and bibliography

Praise for the First Edition: "The authors of this review manual have captured all of the elements of simulation from establishing the objectives of simulated learning experiences, to constructing scenarios, to debriefing students and the simulation team, to assessing and evaluating the learning that has accrued. They have also described the range of simulation options and the contexts for their most effective use." --Gloria F. Donnelly, PhD, RN, FAAN, FCPP, Dean and Professor College of Nursing and Health Professions, Drexel University This is the first practice manual to help healthcare simulation educators in the United States and internationally to prepare for the certification exam in this burgeoning field. The second edition is revised to reflect the latest test blueprint and encompass key evidence-based research that has been conducted since the first edition was published. Authored by noted experts in simulation and education who have carefully analyzed the test blueprint, the book distills the information most likely to be included on the exam. Information is presented in a concise, easy-to-read outline format. Numerous features help students to critically analyze test content, including end-of-chapter review questions, proven test-taking strategies, savvy simulation teaching tips, evidence-based practice boxes, and a comprehensive practice test with answers and rationales. Current evidence-based case studies help to connect simulation situations to simulation education. The manual also includes information about advanced certification and recertification. **NEW TO THE SECOND EDITION** Updated to align with the new test blueprint Encompasses an abundance of new evidence-based research **KEY FEATURES** Fosters optimal learning and retention with a concise, easy-to-read bulleted format Assists simulation educators in all healthcare disciplines Includes Evidence-Based Simulation Practice boxes focusing on current research Provides savvy teaching tips and proven test-taking strategies Fosters critical thinking with case studies, end-of-chapter review questions, and comprehensive practice test with answers and rationales The Certified Healthcare Simulation Educator™ and CHSETM marks are trademarks of the Society for Simulation in Healthcare. This manual is an independent publication and is not endorsed, sponsored, or otherwise approved by the Society.

Simulation in healthcare education has a long history, yet in many ways, we have been reinventing the wheel during the last 25 years. Historically, simulators have been much more than simple models, and we can still learn from aspects of simulation used hundreds of years ago. This book gives a narrative history of the development of simulators from the early 1700s to the middle of the 20th century when simulation in healthcare appeared to all but die out. It is organized around the development of simulation in

different countries and includes at the end a guide to simulators in museums and private collections throughout the world. The aim is to increase understanding of simulation in the professional education of healthcare providers by exploring the historical context of simulators that were developed in the past, what they looked like, how they were used, and examples of simulator use that led to significant harm and an erosion of standards. The book is addressed to the healthcare simulation community and historians of medicine. The latter in particular will appreciate the identification and use of historic sources written in Latin, German, Italian, French, Polish and Spanish as well as English.

Simulated Patient Methodology is a timely book, aimed at health professional educators and Simulated Patient (SP) practitioners. It connects theory and evidence with practice to ensure maximum benefit for those involved in SP programmes, in order to inform practice and promote innovation. The book provides a unique, contemporary, global overview of SP practice, for all health sciences educators. *Simulated Patient Methodology*: • Provides a cross-disciplinary overview of the field • Considers practical issues such as recruiting and training simulated patients, and the financial planning of SP programmes • Features case studies, illustrating theory in practice, drawn from across health professions and countries, to ensure relevance to localised contexts
Written by world leaders in the field, this invaluable resource summarises the theoretical and practical basis of all human-based simulation methodologies.

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.

This book focuses on evidence-based standards for simulation in nursing education. The foundational principle of simulation excellence and its relevance to nursing is defined and infuses throughout the book. It also discusses necessary components for quality simulation from development to implementation. These areas include (but are not limited to): theoretical background, accreditation and approval standards, the simulation environment, developing and implementing simulations, and debriefing. These subject areas are approached following a thorough review of the literature and current practices identified from the

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International Nursing Association for Clinical Simulation and Learning (INACSL), Society for Simulation in Healthcare (SSH), National League for Nursing (NLN) and State Boards of Nursing. This quick reference title will become the best practice standards for simulation excellence in nursing education.

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.

Textbook of Military Medicine, Pt. 1, Warfare, Weaponry, and the Casualty. Specialty editors: Franklin D. Jones, et al. Addresses the multiple mental health service provided by the military during peacetime.>"

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Medical simulation training involves simulated human patients, educational documents or computer models with detailed simulated animations and/or interactive functionality. This book is written and designed to provide medical educators in emergency medicine with resource for integrating medical simulation into their teaching practices and includes cases drawn from a diverse group of faculty authors across a wide range of medical teaching centers. Valuable "tips or tricks" accompany case images and other patient data and a companion website includes imaging and laboratory results pertinent to each case study.

Injury is an increasingly significant health problem throughout the world, accounting for 16 per cent of the global burden of disease. The public health burden of death and disability from injury is particularly notable in low and middle income countries. These guidelines seek to establish practical and affordable standards applicable to injury or trauma care worldwide, whether in rural health posts, small hospitals, hospitals staffed by specialists or tertiary care centres. It sets out a list of key trauma treatment services designed to be achievable in all settings, and defines the various human and physical resources required. It also includes a number of recommendations for methods to promote such standards including training, performance improvement, trauma team organisation and hospital inspection.

Presents over 2,000 years of medical illustrations, including paintings, artifacts, drawings, prints, and extracts from manuscripts and manuals.

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The Fifth Edition of the highly praised Practical Guide for Medical Teachers provides a bridge between the theoretical aspects of medical education and the delivery of enthusiastic and effective teaching in basic science and clinical medicine. Healthcare professionals are committed teachers and this book is an essential guide to help them maximise their performance. This highly regarded book recognises the importance of educational skills in the delivery of quality teaching in medicine. The contents offer valuable insights into all important aspects of medical education today. A leading educationalist from the USA joins the book's editorial team. The continual emergence of new topics is recognised in this new edition with nine new chapters: The role of patients as teachers and assessors; Medical humanities; Decision-making; Alternative medicine; Global awareness; Education at a time of ubiquitous information; Programmatic assessment; Student engagement; and Social accountability. An enlarged group of authors from more than 15 countries provides both an international perspective and a multi-professional approach to topics of interest to all healthcare teachers.

Disaster management is an increasingly important subject, as effective management of both natural and manmade disasters is essential to save lives and minimize casualties. This book discusses the best practice for vital elements of disaster medicine in both developed and developing countries, including planning and preparedness of hospitals, emergency medical services, communication and IT tools for medical disaster response and psychosocial issues. It also covers the use of state-of-the-art training tools, with a full section on post-disaster relief, rehabilitation and recovery.

This practical guide provides a focus on the implementation of healthcare simulation operations, as well as the type of professional staff required for developing effective programs in this field. Though there is no single avenue in which a person pursues the career of a healthcare simulation technology specialist (HSTS), this book outlines the extensive knowledge and variety of skills one must cultivate to be effective in this role. This book begins with an introduction to healthcare simulation, including personnel, curriculum, and physical space. Subsequent chapters address eight knowledge/skill domains core to the essential aspects of an HSTS. To conclude, best practices and innovations are provided, and the benefits of developing a collaborative relationship with industry stakeholders are discussed. Expertly written text throughout the book is supplemented with dozens of high-quality color illustrations, photographs, and tables. Written and edited by leaders in the field, Comprehensive Healthcare Simulation: Operations, Technology, and Innovative Practice is optimized for a variety of learners, including healthcare educators, simulation directors, as well as those looking to pursue a career in simulation operations as healthcare simulation technology specialists. Popular Science gives our readers the information and tools to improve their technology and their world. The core belief that Popular Science and our readers share: The future is going to be better, and science and technology are the driving forces that will help make it better.

Developed by the leading experts in neonatal simulation, this innovative new resource delivers neonatology health care providers and educators essential guidance on designing, developing, and implementing simulation-based neonatal education programs. The early chapters cover learning theory, fundamentals of scenario design, and simulation and the Neonatal Resuscitation Program*. The later

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chapters cover specific applications of simulation in neonatology and debriefing techniques. The book walks the reader through scenario design, mannequins and task trainers, moulage, simulation techniques, virtual simulations, mannequin adaptations needed to conduct specific simulation procedures, debriefing methods, and more. Step-by-step images walk the reader through adapting mannequins to simulate procedures and how to replicate body fluids and conditions commonly encountered in newborns. With 225+ color images, as well as plenty of helpful boxes and tables throughout, the book will be useful to both novice and expert. More than 30 chapters include In situ simulation Simulation and the Neonatal Resuscitation Program Mannequins and Task Trainers Boot Camps Debriefing in Simulation-based Training Simulation Operations And more...

For healthcare professionals, clinical education is foundational to the learning process. However, balancing safe patient care with supportive learning opportunities for students can be challenging for instructors and the complex social context of clinical learning environments makes intentional teaching approaches essential. Clinical instructors require advanced teaching knowledge and skills as learners are often carrying out interventions on real people in unpredictable environments. *Creative Clinical Teaching in the Health Professions* is an indispensable guide for educators in the health professions. Interspersed with creative strategies and notes from the field by clinical teachers who offer practical suggestions, this volume equips healthcare educators with sound pedagogical theory. The authors focus on the importance of personal philosophies, resilience, and professional socialization while evaluating the current practices in clinical learning environments from technology to assessment and evaluation. This book provides instructors with the tools to influence both student success and the quality of care provided by future practitioners.

"With the growing use of simulation within the field of healthcare, *Healthcare Simulation: A Guide for Operations Specialists* provides a much needed resource for developing the roles and responsibilities of simulation operations specialists. The book illustrates the current state and evolution of the simulation professional workforce and discusses the topics necessary for the development of this pivotal role. The book promotes the value of simulation in healthcare and its associated outcomes while clarifying the operational requirements of successful simulations. Featuring numerous contributions from international experts, consultants, and specialists, *Healthcare Simulation: A Guide for Operations Specialists* presents advances in healthcare simulation techniques and also features:"--Provided by publishe

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