

REVIEW ARTICLE

Nursing interventions to cover patients' basic needs in the intensive care context – A systematic review

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Email: Marie.H.Larsen@ldh.no**Abstract**

Aim: To examine the content, theoretical frameworks and effectiveness of nursing interventions utilizing patient-reported outcome measures (PROMs) in the intensive care unit (ICU).

Design: A systematic review and narrative synthesis following the guidelines of the preferred reporting items for systematic reviews and meta-analysis checklist.

Methods: We searched the MEDLINE, CINAHL, PsycINFO, SweMed and Cochrane controlled trials register (CENTRAL) databases for studies evaluating interventions primarily delivered by nurses in the ICU. Two independent reviewers performed study selection, data extraction and risk of bias.

Results: Twenty-two studies were included, whereas only seven studies used a theoretical framework. The interventions were heterogeneous in content, duration and choice of PROMs. Outcomes were related to covering patients' and families' basic needs, described by Henderson as essential functions of nursing. Several studies reported positive intervention effects, and nurses' communication and psychosocial care were considered essential components of nursing interventions in the ICU.

KEYWORDS

basic needs, intensive care, literature review, nursing interventions

1 | INTRODUCTION

Being acute or critically ill is stressful for both patients and their kin, and these patients require continued help and support in concert with the best medical treatment (Blok & Fontaine, 2013; Dias et al., 2015). Modern intensive care is based on collaboration between professional groups; however, intensive care nurses are continually present with the patient in intensive care units (ICUs) to monitor their condition and coordinate their care. Henderson (1955) defined a nurse's universal function as the responsibility of assisting the patient in covering their basic needs whilst being in vulnerable situations and helping the individual become independent of assistance. Henderson also proposed 14 components of basic nursing care that attend to the patient's physiological, psychological, spiritual

and social needs (Funakawa & Howe, 1995; Henderson, 1955). To take care of the whole person and their families, nurses in the ICU conduct independent interventions that attend to the patients' and their families' basic needs. These interventions are complex, multicomponent health services (Campbell et al., 2000) and may have many potential active ingredients; the question is which components contribute to the best outcomes.

Patient-reported outcome measures (PROMs) are standardized self-reported data collection techniques focusing on the patient's health status (Valderas et al., 2008). They highlight the patient's or their family's viewpoint rather than focusing on purely clinical outcomes, thereby improving patient-centred care (Kynoch et al., 2020). Accordingly, nurses need to understand and use outcomes measured from both clinical and patient/family perspectives to guide

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Review For Intensive Care Medicine

**Mark W. Sebastian, William J.
Fulkerson, R. Lawrence Reed**



Review For Intensive Care Medicine:

Case-Based Review in Critical Care Medicine Atul Prabhakar Kulkarni, Rahul Anil Pandit, Subhal Bhalchandra Dixit, Kapil Gangadhar Zirpe, 2019-06-30 This book is a comprehensive guide to critical care medicine for postgraduate medical students Presented in a case based question and answer format the text begins with guidance on patient examination in the intensive care unit ICU Each of the following chapters covers a different disorder from acute severe asthma pulmonary embolism and septic shock to traumatic brain injury acute liver failure and much more The book concludes with cases examining out of hospital cardiac arrest brain death and organ donation as well as end of life care in the ICU A large selection of Objective Structured Clinical Examination OSCE practice questions are included to assist students in their preparation for examinations Nearly 300 clinical photographs illustrations and tables further enhance learning Key points Comprehensive guide to critical care medicine for postgraduates Presented in a case based question and answer format Includes numerous OSCE practice questions to help students prepare for examinations Highly illustrated with clinical photographs diagrams and tables

Review for Intensive Care Medicine Mark W. Sebastian, William J. Fulkerson, R. Lawrence Reed, 1997 Coronary care endocrine problems in the intensive care unit surgical problems shock trauma etc

Critical Care Medicine Review: 1000 Questions and Answers Abraham Sonny, Edward A Bittner, Ryan J. Horvath, Sheri Berg, 2019-09-16 Covering all four critical care board exams anesthesiology surgery internal medicine and neurology Critical Care Medicine Review 1000 Questions and Answers prepares you for exam success as well as clinical practice in today's ICU This full color easy to use review tool provides challenging case studies relevant images multiple choice board style questions rationales for correct and incorrect answers and references for every question Edited by instructors of anesthesia and critical care from Harvard Medical School and Massachusetts General Hospital this comprehensive resource is an ideal study guide for critical care fellows recertifying practitioners and CCRNs

Ethics in Intensive Care Medicine Andrej Michalsen, Nicholas Sadovnikoff, Jozef Kesecioglu, 2023-07-19 In this book part of the European Society of Intensive Care Medicine ESICM textbook series experts in the field of clinical ethics describe basic principles of clinical ethics and ethical reasoning the fundamental pillars of intensive care medicine as well as the decision making processes necessary to arrive at appropriate decisions for each individual patient Specifically the complex decision making process with regard to limiting life sustaining therapies and integrating palliative care into intensive care are expounded Furthermore the still controversial topics of ethical climate proportionate care and prioritization are elaborated upon The so called soft skills of inter professional communication and co operation are given the attention they deserve in order to overcome the gap between technological progress and interpersonal standstill Finally widely accepted ethical values and principles were challenged by the Covid 19 pandemic forcing clinicians to elaborate recommendations regarding the prioritization of scarce resources The book will be an invaluable tool for clinicians to understand ethical principles and

reasoning to contend ethical challenges in intensive care medicine across the boundaries of disciplines and professions in order to provide an appropriate individual plan of treatment for their patients **Anesthesia Review for DNB Students**

Kaushik Jothinath,2020-09-23 This book has been written to cater to the DNB anesthesiology board examinations in a comprehensive and point based system Also most of the references are from standard textbooks to prevent confusion arising due to numerous research papers published in the recent past Therefore the information has been provided in a highly concise crisp and readable manner to help you crack the anesthesiology boards **Irwin & Rippe's Manual of Intensive Care Medicine** Richard S. Irwin,Craig Lilly,James M. Rippe,2014-01-06 Irwin Rippe s Manual of Intensive Care Medicine has established itself as an invaluable reference for students interns residents fellows nurse practitioners and physician assistants nurses and respiratory care practitioners working in the critical care medicine environment Known for its reader friendly outline format and compact portable size this handy manual builds upon its tradition of excellence in its Sixth Edition Available both in print and electronic formats the Sixth Edition parallels the text Irwin Rippe s Intensive Care Medicine Seventh Edition and features fully updated and revised content with a focus on patient safety Fully revised content addresses recent developments including the larger role for ultrasound in critical care medicine Annotated references are provided at the close of each chapter to guide the interested reader through key articles in the relevant literature Video clips have been added where appropriate to reinforce key points and findings Logical organization begins with an extensive section on Procedures and Techniques followed by 15 sections covering organ system problems as well as palliative care legal and ethical issues and transplantation Thorough coverage of pharmacology poisonings and overdoses presented in a tabular format New section editors share a wealth of experience and expertise targeted to broaden readers skills **Mechanical Circulatory and Respiratory Support** Shaun D. Gregory,Andrew F. Stephens,Silver Heinsar,Jutta Arens,John F. Fraser,2024-11-02 Mechanical Circulatory and Respiratory Support Second Edition continues to provide a comprehensive overview of the past present and future development of mechanical circulatory and respiratory support devices This new edition provides an update on the field while also introducing new elements within the field such as ex vivo perfusion devices for HFpEF design for manufacture oxygenator design and more content on route to market Chapters from over 60 internationally renowned experts focuses on the entire life cycle of mechanical circulatory and respiratory support from the descent into heart and lung failure alternative medical management device options device design implantation techniques complications and medical management of the supported patient patient device interactions cost effectiveness route to market and a view to the future This second edition is a useful resource for biomedical engineers and clinicians who are designing new mechanical circulatory or respiratory support devices while also providing a comprehensive guide of the entire field for those who are already familiar with some areas and want to learn more Reviews of the most cutting edge research are provided throughout each chapter along with guides on how to design new devices and which areas require

specific focus for future research and development Presents an engineering pathway to develop the most advanced medical devices Features a clinical summary of how to select the right patients and treat them optimally while supported with these devices Includes a detailed path to market for those developing new devices in this field *Physiotherapy for Respiratory and Cardiac Problems* Jennifer A. Pryor, Ammani S Prasad, 2008-03-06 Now in its fourth edition *Physiotherapy for Respiratory and Cardiac Problems* continues to be an essential textbook and reference source for undergraduate and postgraduate students and for the clinician working with patients with cardiac and respiratory problems Its strengths lie in integrating the evidence with clinical practice and in covering the whole patient lifespan infants children adolescents and adults new chapters on critical care surgery and psychological aspects of care expanded evidence for clinical practice case studies multi contributed chapters written by internationally recognised experts extensively revised text with new illustrations and photographs comprehensive reference lists which directs the reader to further sources of information Part of the *Physiotherapy Essentials* series core textbooks for both students and lecturers Online image bank now available Log on to <http://evolve.elsevier.com> Pryor physiotherapy and type in your unique pincode for access to over 300 downloadable images

Critical Care Nursing Sheila K. Adam, Sue Osborne, 2005-08-11 The structure of the book allows new students to understand the physiology underlying the patient's condition before concentrating on the priorities of interventions and nursing care *Critical Care Nursing* will not only act as an excellent base for nurses new to the critical care area but will also provide an updated review of evidence based practice for nurses already familiar with the discipline **BOOK JACKET**

Issues in Clinical, Critical, and Intensive Care Research: 2011 Edition, 2012-01-09 *Issues in Clinical Critical and Intensive Care Research 2011 Edition* is a ScholarlyEditions eBook that delivers timely authoritative and comprehensive information about Clinical Critical and Intensive Care Research The editors have built *Issues in Clinical Critical and Intensive Care Research 2011 Edition* on the vast information databases of ScholarlyNews You can expect the information about Clinical Critical and Intensive Care Research in this eBook to be deeper than what you can access anywhere else as well as consistently reliable authoritative informed and relevant The content of *Issues in Clinical Critical and Intensive Care Research 2011 Edition* has been produced by the world's leading scientists engineers analysts research institutions and companies All of the content is from peer reviewed sources and all of it is written assembled and edited by the editors at ScholarlyEditions and available exclusively from us You now have a source you can cite with authority confidence and credibility More information is available at <http://www.ScholarlyEditions.com> Brunner & Suddarth's Textbook of Medical-Surgical Nursing Janice L. Hinkle, Kerry H. Cheever, Kristen J. Overbaugh, Carolyn E. Bradley, 2025-08-11 Thoroughly streamlined while preserving the comprehensive evidence based approach students and faculty trust Brunner Suddarth's Textbook of Medical Surgical Nursing 16th Edition remains the definitive resource for medical surgical nursing education This landmark text builds competence from core concepts to complex care guiding students intuitively with its nursing

centered focus realistic case studies and progressive learning structure The 16th edition incorporates expanded diversity content reflecting modern health realities and integrates seamlessly with enhanced Lippincott CoursePoint resources for personalized learning transforming students into confident practitioners ready for today's clinical challenges *Critical Care Medicine E-Book* Joseph E. Parrillo, R. Phillip Dellinger, 2013-10-16 Here's the most clinically oriented critical care text focusing on the adult patient In full color and superbly illustrated with clinical photographs imaging studies and management algorithms and with a broad multidisciplinary focus this text will help you enhance your skills at any level of training Stands alone as a clinically oriented comprehensive reference Completely updated and authorship expanded to reflect the evolution in critical care practice In color for the first time with new color schematics and treatment algorithms for greater ease of reference Utilizes key points lists at the end of chapter to help you make decisions rapidly and easily Delivers key references that list other useful resources for information Learn from the best ICU specialists worldwide with contributions from an increased number of international authorities Effectively manage common complications in the ICU with updated coverage of severe sepsis septic shock surgical infections neurogenic and anaphylactic shock severe heart failure acute coronary syndromes and Acute Respiratory Distress Syndrome Access the complete contents online at Expert Consult along with an image bank and instructional videos Critical Care Psychology and Rehabilitation Kirk J. Stucky, Jennifer Stevenson Jutte, 2022 Critical Care Psychology and Rehabilitation unites both critical care and rehabilitation teams across a continuum of critical care settings and with survivors of critical illness Written by the leading researchers in the field the book builds upon the rapidly expanding literature and illustrates the benefits of this integration between disciplines Nursing Acutely Ill Adults Philip Woodrow, 2015-08-14 This comprehensive and clinically focused textbook is designed for student and qualified nurses concerned with caring effectively for deteriorating and acutely ill adults outside of specialist intensive care units Divided into six sections the book begins with chapters on assessment and the deteriorating patient including monitoring vital signs and interpreting blood results This is followed by two sections focusing on breathing and cardiovascular problems respectively Section 4 explores issues around disability and impairment including chapters on neurology pain management psychological needs and thermoregulation The penultimate section looks at maintaining the internal environment with chapters on issues such as nutrition fluid management and infection control The text ends with a discussion of legal issues and accountability Nursing Acutely Ill Adults includes a full range of pedagogical features including sections identifying fundamental knowledge highlighting implications for practice giving further reading and resources using case scenarios to help readers relate theory to practice and providing time out exercises It is the ideal textbook for students taking modules in caring for critically ill adults and qualified nurses working with these patients **The Advanced Practitioner in Acute, Emergency and Critical Care** Sadie Diamond-Fox, Barry Hill, Sonya Stone, Caroline McCrea, Natalie Gardner, Angela Roberts, 2023-11-02 The Advanced Practitioner in Acute Emergency and Critical Care Dedicated text for

trainee and newly qualified Advanced Practitioners specialising in acute emergency and critical care Aligned with the Nursing and Midwifery Council NMC and the Health and Care Professions Council HCPC regulatory body requirements this formative text is the first of its kind covering a variety of key topics for advanced practitioners working in acute emergency and critical care Written by experienced advanced practitioners and academics closely involved in the delivery of both the clinical and academic components of advanced practice training programmes The Advanced Practitioner in Acute Emergency and Critical Care presents Complex decision making covering legal and ethical frameworks including patient safety communication skills and breaking bad news and end of life care Diagnosis and management of patients covering radiology principles of point of care ultrasound PoCUS laboratory tests and prescribing Resuscitation and first stage management of the critically unwell advanced resuscitation skills shock intra and inter hospital transfers and organ donation History taking physical examination and consultation models Learning support with accreditation considerations boxes clinical investigations examination scenarios pharmacology boxes pathological and psychological considerations social and cultural considerations case studies self assessment questions and more Utilising a multi professional and inclusive framework of advanced level practice this is an essential resource for all trainee and newly qualified advanced practitioners The text also serves as an excellent classroom aid for lecturers teaching advanced practice courses

Textbook of Critical Care

E-Book Jean-Louis Vincent, Frederick A. Moore, Rinaldo Bellomo, John J. Marini, 2022-12-21 Bridging the gap between medical and surgical specialties in critical care Textbook of Critical Care 8th Edition offers a practical multidisciplinary approach to the effective management of adult and pediatric patients in the ICU An outstanding editorial team led by world renowned intensivist Dr Jean Louis Vincent assisted by Dr Frederick A Moore and new editors Drs Rinaldo Bellomo and John J Marini provides the evidence based guidance you need to overcome a full range of practice challenges A full color art program relevant basic science and key summary points in every chapter and expert contributing authors from all over the world make this an indispensable resource for every member of the critical care team Provides a concise readable understanding of the pathophysiology of critical illness and new therapeutic approaches to critical care Addresses both medical and surgical aspects in critical care for adult and pediatric patients in one comprehensive easy to use reference Shares the knowledge and expertise of the most recognized and trusted leaders in the field with more international contributing authors than in previous editions Covers new information on procedural and diagnostic ultrasound prone positioning ECMO and VADs Discusses key topics such as organ support telemedicine echocardiography antibiotic stewardship antiviral agents coagulation and anti coagulation and more Features a wealth of tables boxes algorithms diagnostic images and key points that clarify important concepts and streamline complex information for quick reference Includes companion videos and exclusive chapters online that cover commonly performed procedures Takes a multidisciplinary approach to critical care with contributions from experts in anesthesia surgery pulmonary medicine and pediatrics Enhanced eBook version included with

purchase Your enhanced eBook allows you to access all of the text figures and references from the book on a variety of devices

Critical Care Nursing Leanne Aitken,Andrea Marshall,Wendy Chaboyer,2019-06-22 Endorsed by the Australian College of Critical Care Nurses ACCCN ACCCN is the peak professional organisation representing critical care nurses in Australia Written by leading critical care nursing clinicians Leanne Aitken Andrea Marshall and Wendy Chaboyer the 4th edition of Critical Care Nursing continues to encourage and challenge critical care nurses and students to develop world class practice and ensure the delivery of the highest quality care The text addresses all aspects of critical care nursing and is divided into three sections scope of practice core components and specialty practice providing the most recent research data procedures and guidelines from expert local and international critical care nursing academics and clinicians Alongside its strong focus on critical care nursing practice within Australia and New Zealand the 4th edition brings a stronger emphasis on international practice and expertise to ensure students and clinicians have access to the most contemporary practice insights from around the world Increased emphasis on practice tips to help nurses care for patients within critical care Updated case studies research vignettes and learning activities to support further learning Highlights the role of the critical care nurse within a multidisciplinary environment and how they work together Increased global considerations relevant to international context of critical care nursing alongside its key focus within the ANZ context Aligned to update NMBA RN Standards for Practice and NSQHS Standards

Physical Therapy Effectiveness Mario Bernardo-Filho,Danúbia Sá-Caputo,Redha Taiar,2020-04-01 Physical therapy involves non pharmacological interventions in the management of various clinical conditions It is important to highlight the physical therapy procedures that are suitable effective and in general do not have side effects or complications when properly performed Physical therapy can be valuable in different situations along of the various steps of human development and in various clinical disorders Indeed topics on different approaches have been included in this book which makes this book useful for readers to improve their professional performance

Critical Care Nursing Sheila Adam,Sue Osborne,John Welch,2017-03-09 The third edition of the best selling Critical Care Nursing offers readers a fully up to date evidence based guide to the science and practice of nursing the critically ill patient Organised into 16 chapters this edition covers all essential aspects of critical care nursing from how to manage and monitor specific problems within organ systems to how to provide sympathetic and compassionate care A new chapter on Managing major incidents and preparing for pandemics has been introduced with an insight to this crucial aspect of contemporary global healthcare Written by a team of experienced nurses this textbook supports staff working across the continuum of critical care to deliver safe knowledgeable care that is rooted in a strong clinical evidence base

Medical-Surgical Nursing Linda Honan,2023-09-15 Confidently meet the demands of transitioning students into practice ready nurses with Medical Surgical Nursing Focus on Clinical Judgment 3rd Edition Expertly curated by experienced clinician and nursing educator Dr Linda Honan this practical approach distills complex concepts down to need to

know details through the perspective of practicing nurses establishing a comprehensive foundation in medical surgical nursing by way of the most commonly encountered conditions and situations Extensive updates throughout this 3rd Edition broaden your students perspectives cultivate their clinical judgment and prepare them for success from the Next Generation NCLEX to the day to day challenges of today s medical surgical nursing practice

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web 4 period until officially relieved released from duty appointment 5 the appointed personnel possess a minimum of an interim secret security clearance 6 the point of contact for this memorandum is undersigned and can be reached at 360 819 9074 tina a tu cpt lg commanding

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