



ESPEN GUIDELINES

ESPEN Guidelines on Enteral Nutrition: Cardiology and Pulmonology ☆

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supplements

Summary These guidelines are intended to give evidence-based recommendations for the use of enteral nutrition (EN) in patients with chronic heart failure (CHF) and chronic obstructive pulmonary disease (COPD). They were developed by an interdisciplinary expert group in accordance with officially accepted standards and are based on all relevant publications since 1985. They have been discussed and accepted in a consensus conference.

EN by means of oral nutritional supplements (ONS) or tube feeding (TF) enables nutritional intake to be maintained or increased when normal oral intake is inadequate.

Abbreviations: EN, enteral nutrition. EN is used as a general term to include both ONS and tube feeding. When either of these modalities is being discussed separately this is specified in the text. Normal food/normal nutrition: normal diet as offered by the catering system of a hospital including special diets; PEG, percutaneous endoscopic gastrostomy; RCT, randomized controlled trial.

☆ For further information on methodology see Schöts et al.^{1,2} For further information on definition of terms see Lochs et al.^{3,4}

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△ The authors of the DGEM (German Society for Nutritional Medicine) guidelines on enteral nutrition in cardiology are acknowledged for their contribution to this article.

Espen Guidelines On Enteral Nutrition Geriatrics

Ronald Ross Watson



Espen Guidelines On Enteral Nutrition Geriatrics:

Geriatric Nutrition John E. Morley, David R. Thomas, 2007-05-30 In a vicious cycle poor nutritional health leads to acute and chronic disease and disease states are catastrophic to nutritional health The magnitude of nutritional depletion from any cause depends to a large extent on the nutritional reserves an individual has accumulated over time In our increasingly older population nutritional reserves are

Geriatric Medicine Michael R. Wasserman, Debra Bakerjian, Sunny Linnebur, Sharon Brangman, Matteo Cesari, Sonja Rosen, 2024-02-19 Both volumes sold as a combined set for a one time purchase Older adults represent the most rapidly growing demographic in the U S and in many developed countries around the world The field of geriatric medicine is still relatively young and is only recently seeing a significant increase in peer reviewed literature Medicare and Medicaid expenditures related to older adults are nearly a trillion dollars year in the US How our healthcare system cares for older adults and how those older adults navigate an increasingly complex system is of the utmost importance According to the Institute of Medicine physicians and other healthcare professionals receive an inadequate amount of training in geriatric medicine Geriatric medicine is based on the concept of delivering person centered care with a focus on function and quality of life It is essential that physicians nurse practitioners physician assistants pharmacists social workers and other health care professionals all be knowledgeable about the geriatric approach to care Geriatric medicine varies from most other fields in medicine While many specialties function on the basis of evidence based literature geriatricians and other clinicians caring for older adults must integrate relatively limited evidence with variable physiological changes and complex psychosocial determinants Geriatricians are used to caring for 90 year olds with multiple chronic illnesses Their variable physiology leads to uncertain responses to pharmacotherapy and their personal goals and wishes need to be incorporated into any plan of care Practicing geriatric medicine requires the ability to see patterns But it goes one step further as the rules are constantly in flux Every patient is an individual with particular needs and goals In order to provide true person centered care to older adults one has to incorporate these factors into the decision making process The proposed handbook is designed to present a comprehensive and state of the art update that incorporates existing literature with clinical experience Basic science and the physiology of aging create a background but are not the main focus This is because every chapter has been written through the lens of person centered care This book is about focusing on what matters to the person and how that is not always about pathology and physiology The reader generally will not find simple solutions to symptoms diseases and syndromes In fact the key to caring for geriatric patients is the ability to think both critically and divergently at the same time Geriatrics encompasses multiple disciplines and spans all of the subspecialties It requires knowledge of working within an interdisciplinary team It requires an appreciation of how quality of life varies with each individual and creates treatment and care plans that also vary And most of all it requires a firm commitment to first learning who the person is so that all of the necessary data can be analyzed and integrated into a true person centered plan

of care This book aims to serve as an unparalleled resource for meeting these challenges Updated and revised from the previous edition this text features over 40 new peer reviewed chapters new references and a wide array of useful new tools that are updated on a regular basis by interdisciplinary and interprofessional experts in geriatric medicine

Evidence-Based Geriatric Nursing Protocols for Best Practice Marie Boltz, Marie P. Boltz, Elizabeth Capezuti, DeAnne Zwicker, Terry T. Fulmer, 2020-03-31 Note to Readers Publisher does not guarantee quality or access to any included digital components if book is purchased through a third party seller AJN Book of the Year 2016 First Place Winner in Gerontological Nursing The evidence based protocols are designed as a primary reference and are useful substantive and timely The broader contributions of useful format and succinct review of the evidence make it likely that this text will continue to be the leading resource in nursing education and practice The Gerontologist As a gerontological clinical educator research nurse I will often use this as a reference The format and the content are good and the explanations of how to best use the evidence simplify the process of sifting through mountains of information to figure the best practice Score 97 Doody's The newest edition of this distinguished reference in geriatric nursing delivers updated guidelines new illustrative case studies and the latest evidence based protocols developed by leading researchers educators and practitioners in each topic area The sixth edition includes new approaches devoted to supporting LGBTQ elders persons living with dementia and their families and older adults living with HIV New operational strategies provide guidance in using the electronic health record implementing improved person centered care approaches and maintaining age friendly atmospheres Using evidence derived from all levels of care this text offers developed guidelines for improving both quality and outcomes when caring for older adults in multiple disciplines including interprofessional team members long term care and other staff educators social workers dietitians and physicians Chapters provide assessment and management principles clinical interventions specialty practice and models of care They consistently feature chapter objectives annotated references evidence ratings for each protocol and resources for further investigation Each protocol is embedded within the chapter content to provide context and detailed evidence The protocols consistently include an overview evidence based assessment intervention strategies and a supporting case study with discussion PowerPoint presentations and a test bank are available as instructor's resources New Chapters Informational Technology Embedding CPGs Organizational Approaches to Promote Person Centered Care Environmental Approaches to Support Aging Friendly Care HIV Prevention and Care for the Older Adult LGBTQ Perspectives Key Features Best practices for in patient in home and long term care settings Case studies with discussions in each chapter to illustrate application of clinical practice and related Nursing Standard of Practice Protocol The AGREE systematic method was used to evaluate each protocol and validate this book's content Instructor's resources including PowerPoints and a Test Bank Purchase includes digital access for use on most mobile devices and computers **Handbook of Geriatric Oncology** Beatriz Korc-Grodzicki, MD, PhD, William P. Tew, MD, 2017-06-16 Handbook of Geriatric Oncology is a practical resource for

oncologists and related clinicians who want to provide comprehensive patient centered care to the elderly cancer patient Divided into nine succinct sections it includes topics spanning an Overview of Geriatric Oncology and Aging Geriatric Syndromes Geriatric Assessment Select Cancers Commonly Diagnosed in the Elderly Communication with the Older Cancer Patient the Nursing Home Patient with Cancer Models of Care and Survivorship Palliative Care and Integrative Medicine Complex issues such as the physiologic changes of aging and their effect on cancer corresponding social and psychological aspects that accompany aging and a cancer diagnosis assessment of frailty managing comorbid conditions and diseases effective communication among healthcare providers the patient and caregivers as well as the risks and benefits of cancer screening are made simpler with helpful clinical guidance and clinical pearls Spearheaded by world experts in geriatric oncology from Memorial Sloan Kettering Cancer Center in New York this book is the definitive resource for oncologists and related clinicians to meet the demands of clinical management along the continuum of geriatric cancer care Key Features Provides best practices for evaluating geriatric syndromes such as functional dependency falls cognitive impairment and dementia delirium depression and anxiety social isolation as well as syndromes related to nutrition comorbid conditions and polypharmacy Includes practical guidance on when to treat and when not to treat cancer in older patients Discusses unique factors associated with breast cancer prostate cancer colorectal cancer lung cancer ovarian cancer bladder cancer pancreatic cancer head and neck cancers and myelodysplastic syndromes in the elderly that impact care plans and treatment

Surgical Decision Making in Geriatrics Rifat Latifi, 2020-08-12 This book is designed to present a comprehensive and state of the art approach to all aspects of geriatric surgery within the broad confines of surgery in geriatrics including general surgery neurosurgery thoracic surgery vascular surgery cardiac surgery surgical oncology hepatobiliary and transplant surgery plastic colorectal orthopedic gynecologic and urologic surgery The text is split into four parts The first part is organized under general considerations on the geriatric surgical patient and includes current trends in geriatric surgery and a number of important general issues such as practical approaches to reversal of bleeding anticoagulation role of anesthetic concerns in advanced age frailty index and measurements of physiological reserves nutritional support in the elderly quality of life in the elderly drug use and family involvement Part two of the book focuses on surgery specific system based problems in geriatric surgical patients The third part addresses many other important aspects of geriatric surgery including palliative and end of life care for the elderly religious issues and the elderly care surgery elderly with mental health issues and nursing care of elderly patients The fourth and final part describes the need for geriatric surgical care education and the components that are essential for the curriculum of current and future generations of students Written by experts in the field Surgical Decision Making in Geriatrics addresses patient selection pre operative considerations technical conduct of the most common operations and avoiding complications Evidence-Based Geriatric Nursing Protocols for Best Practice Marie Boltz, PhD, RN, GNP-BC, FGSA, FAAN, Elizabeth Capezuti, PhD, RN, FAAN, Terry T. Fulmer, PhD, RN, FAAN, DeAnne

Zwicker, DrNP, APRN, BC, 2016-03-28 This new edition of one of the premier references for geriatric nurses in hospital long term and community settings delivers current guidelines real life case studies and evidence based protocols developed by master educators and practitioners With a focus on improving quality of care cost effectiveness and outcome the fifth edition is updated to provide the most current information about care of common clinical conditions and issues in older patients Several new expert contributors present current guidelines about hip fractures frailty perioperative and postoperative care palliative care and senior friendly emergency departments Additionally chapters have been reorganized to enhance logical flow of content and easy information retrieval Protocols systematically tested by more than 300 participating NICHE Nurses Improving Care for Health system Elders hospitals are organized in a consistent format and include an overview evidence based assessment and intervention strategies and an illustrative case study with discussion Additionally protocols are embedded within chapter text providing the context and detailed evidence for each Chapter objectives annotated references and evidence ratings for each protocol are provided along with resources for additional study New to the Fifth Edition Reorganized to enhance logical flow of information and ease of use Updated and revised Includes new contributions from expert educators and practitioners Provides new chapters on perioperative and postoperative care general surgical care care of hip fracture palliative care and the senior friendly emergency department Key Features Includes PowerPoints and a test bank for instructors Delivers evidence based current guidelines and protocols for care of common clinical conditions in the older person Illustrates the application of clinical protocols to real life practice through case studies and discussion Edited by nationally known geriatric leaders who are endorsed by the Hartford Institute for Geriatric Nursing and NICHE Written for nursing students nurse leaders and practitioners at all levels including those in specialty roles **Manual of Dietetic Practice**

Joan Gandy, 2019-06-26 The authoritative guide for dietetic students and both new and experienced dietitians endorsed by the British Dietetic Association Now in its sixth edition the bestselling Manual of Dietetic Practice has been thoroughly revised and updated to include the most recent developments and research on the topic Published on behalf of the British Dietetic Association this comprehensive resource covers the entire dietetics curriculum and is an ideal reference text for healthcare professionals to develop their expertise and specialist skills in the realm of dietetic practice This important guide includes The latest developments and scientific evidence in the field New data on nutrition and health surveillance programs Revised and updated evidence based guidelines for dietetic practice An exploration of how Public Health England has influenced the field Practical advice on public health interventions and monitoring A companion website with helpful materials to support and develop learning Written for dietitians clinical nutritionists and other healthcare professionals by leading dietitians and other professionals the Manual of Dietetic Practice continues to provide a crucial resource for experts and novices alike Handbook of Nutrition in the Aged Ronald Ross Watson, 2008-10-20 Detailed Review of Nutritional Therapies Used to Combat Elderly Health Issues The combination of the aging baby boomer generation

and their increased longevity has been fortunately met with increased research and greater understanding of health promotion and disease prevention in the elderly Handbook of Nutrition in the Aged Fourth Edition shares Nutrition for the Middle Aged and Elderly Nancy E. Bernhardt, Artur M. Kasko, 2008 The ageing process changes body composition and thus nutritional status changes as one gets older At the same time the body becomes more susceptible to diseases and diet becomes an even more significant or at least visibly significant than in earlier years Moreover there is frequently socio economic downward drifting in this age group making nutritious foods more difficult to afford This book presents the latest research in this vital field **Oxford Textbook of Geriatric Medicine** Jean-Pierre Michel, B. Lynn Beattie, Finbarr C. Martin, Jeremy D. Walston, 2018 The third edition of the definitive international reference book on all aspects of the medical care of older persons will provide every physician involved in the care of older patients with a comprehensive resource on all the clinical problems they are likely to encounter as well as on related psychological philosophical and social issues

Geriatric Anesthesiology J. G. Reves, Sheila Ryan Barnett, Julie R. McSwain, G. Alec Rooke, 2017-10-27 Surgical and anesthetic techniques have evolved to allow a growing number of older adults to undergo surgery and current estimates are that 50% of Americans over the age of 65 years old will have an operation However as the knowledge regarding perioperative care of the elderly surgical patient grows so do the questions In this edition each chapter includes a section entitled Gaps in Our Knowledge meant to highlight areas in which research is needed as well as hopefully inspire readers to begin solving some of these questions themselves Building upon the strong foundation of the first two editions Geriatric Anesthesiology 3rd edition also assembles the most up to date information in geriatric anesthesia and provides anesthesiologists with important new developments Topics covered include several new chapters that reflect the evolution of multidisciplinary geriatric care throughout the perioperative continuum as well as the growing body of literature related to prehabilitation In addition discussion of the surgeon's perspective and geriatrician's perspective on surgery in the geriatric population is covered as well as the systematic physiologic changes associated with aging and the pharmacologic considerations for the geriatric patient undergoing procedures Finally the last section discusses postoperative care specific to the geriatric population including acute pain management ICU management recent evidence and up to date practice regarding delirium and postoperative cognitive dysfunction and palliative care

Nutrition Support for the Critically Ill Patient Gail A. Cresci PhD, 2015-04-23 Completely revised and updated Nutrition Support for the Critically Ill Patient A Guide to Practice Second Edition presents an unbiased evidence based examination of critical nutrition across the life cycle Taking a multidisciplinary approach each chapter has been carefully designed to provide a comprehensive review of the literature and a de *Geriatrics for Specialists* Andrew G. Lee, Jane F. Potter, G. Michael Harper, 2021-08-31 This book aims to be a single point of reference for advances in the care of geriatric populations across medical and surgical specialties The aging population is a unique demographic with its own health challenges Geriatricians are specifically trained to address

these challenges but few medical students or residents enter geriatrics even as the demand for geriatric expertise increases. The practices of many medical and surgical specialists are dominated by older patients who may themselves see many specialists but rarely visit geriatricians. This updated edition elucidates the most common medical conditions seen in aging patients and translates approaches to those conditions for physicians across specialties. Divided into three sections that assemble crosscutting issues, medical specialties and surgical and related specialties, this book serves as a guide for clinicians of all backgrounds who will work with older patients as the demographic ages further. This second edition of *Geriatrics for Specialists* expands the number of specialist chapters to reflect growth in research in aging and clinical care for older people in dermatology, plastic surgery, and behavioral neurology. All original chapters from the first edition are extensively revised and updated to reflect the rapid growth of new knowledge in the field.

Brocklehurst's Textbook of Geriatric Medicine and Gerontology E-Book Howard M. Fillit, Kenneth Rockwood, John B Young, 2016-05-06. The leading reference in the field of geriatric care, Brocklehurst's *Textbook of Geriatric Medicine and Gerontology* 8th Edition provides a contemporary global perspective on topics of importance to today's gerontologists, internal medicine physicians, and family doctors. An increased focus on frailty, along with coverage of key issues in gerontology, disease-specific geriatrics, and complex syndromes specific to the elderly, makes this 8th Edition the reference you'll turn to in order to meet the unique challenges posed by this growing patient population. Consistent discussions of clinical manifestations, diagnosis, prevention, treatment, and more make reference quick and easy. More than 250 figures, including algorithms, photographs, and tables, complement the text and help you find what you need on a given condition. Clinical relevance of the latest scientific findings helps you easily apply the material to everyday practice. A new chapter on frailty, plus an emphasis on frailty throughout the book, addresses the complex medical and social issues that affect care and the specific knowledge and skills essential for meeting your patients' complex needs. New content brings you up to date with information on gerontechnology, emergency and pre-hospital care, HIV and aging, intensive treatment of older adults, telemedicine, the built environment, and transcultural geriatrics. New editor Professor John Young brings a fresh perspective and unique expertise to this edition.

Perioperative Care of the Elderly Gabriella Bettelli, 2017-11-16. This innovative, comprehensive book covers the key elements of perioperative management of older patients. The book's chapter structure coincides with the clinical path patients tread during their treatment, from preoperative evaluation to post-hospital care. Epidemiological aspects and aging processes are illustrated, providing keys to understanding the quick expansion of geriatric surgery and defining the clinical profile of older surgical patients in a cybernetic perspective. Preoperative evaluation and preparation for surgery, including medication reconciliation and prehabilitation, are developed in the light of supporting decision making about surgery in an evidence-based and patient-focused way. Intra- and postoperative management are discussed, aiming to tailor anesthetic, surgical, and nursing approaches to specific patients' needs in order to prevent both general and age-related complications. This volume also addresses issues

relevant to geriatric surgery from different organizational models to clinical risk management and systems engineering applied to hospital organization **Nutrition and Diagnosis-related Care** Sylvia Escott-Stump,2008 Provides timely pertinent medical nutrition therapy information for the care of patients with over 360 diseases disorders and conditions

Gastrointestinal Physiology Menzibeya Osain Welcome,2018-06-20 This book offers one of the most comprehensive reviews in the field of gastrointestinal GI physiology guiding readers on a journey through the complete digestive tract while also highlighting related organs and glandular systems It is not solely limited to organ system physiology and related disciplines like anatomy and histology but also examines the molecular and cellular processes that keep the digestive system running As such the book provides extensive information on the molecular cellular tissue organ and system levels of functions in the GI system Chapters on the roles of the gut as an endocrine exocrine and neural organ as well as its microbiome functions broaden readers understanding of the multi organ networks in the human body To help illustrate the interconnections between the physiological concepts principles and clinical presentations it outlines clinical examples such as pathologies that link basic science with clinical practice in special clinical correlates sections Covering both traditional and contemporary topics it is a valuable resource for biomedical students as well as healthcare and scientific professionals

Evidence-Based Practice of Palliative Medicine Nathan E Goldstein,R. Sean Morrison,2012-12-03 Evidence Based Practice of Palliative Medicine is the only book that uses a practical question and answer approach to address evidence based decision making in palliative medicine Dr Nathan E Goldstein and Dr R Sean Morrison equip you to evaluate the available evidence alongside of current practice guidelines so you can provide optimal care for patients and families who are dealing with serious illness Confidently navigate clinical challenges with chapters that explore interventions assessment techniques treatment modalities recommendations guidelines and available resources all with a focus on patient and family centered care Build a context for best practices from high quality evidence gathered by multiple leading authorities Make informed decisions efficiently with treatment algorithms included throughout the book Access the complete fully searchable contents online at www.expertconsult.com **Evidence-Based Practice of Palliative Medicine - E-Book** Nathan E.

Goldstein,Christopher D. Woodrell,R. Sean Morrison,2023-11-07 Using a practical question and answer approach Evidence Based Practice of Palliative Medicine 2nd Edition helps you provide optimal care for patients and families who are dealing with serious illness This unique reference focuses on patient and family caregiver centered care highlighting the benefits of palliative care and best practices for delivery The highly practical user friendly format sets it apart from other texts in the field with concise readable chapters organized around clinical questions that you re most likely to encounter in everyday care Uniquely organized using a question and answer approach making it easy to find answers to common questions asked by practitioners and patients Up to date reader friendly chapters explore interventions assessment techniques treatment modalities recommendations and guidelines communication techniques and available resources for palliative care Expanded

discussions on hospice in every chapter and a new emphasis on pediatrics with increased material on pediatric malignancies developmental delays cystic fibrosis and perinatal palliative care New chapters on wellness of the palliative care practitioner patients with opioid use disorders telehealth in palliative care health disparities rural palliative care caring for people with hematologic malignancies integrative and alternative therapies LGBTQ populations mobile health technologies and national palliative care implementation strategies High quality evidence gathered and reviewed by leading experts in palliative medicine including clinicians educators and researchers across a broad range of disciplines Numerous algorithms throughout help you make informed decisions and take home points in every chapter provide a quick summary of key content

Essentials of Geriatric Neuroanesthesia Hemanshu Prabhakar, Charu Mahajan, Indu Kapoor, 2019-06-13 The book covers topics ranging from basic sciences developmental changes in neuroanatomy and neurophysiology and effects of neuropharmacology to special situations such as brain death ethical issues and palliative care It discusses various neurological surgical problems and their challenges along with common problems such as Alzheimer s and Parkinson s disease A section on Pain covers all possible modalities for relieving pain in this patient population followed by the important issue of palliative care The book addresses the issue of cognition decline common in this group The fact that basic sciences are included along with clinical sciences makes it a unique read for the audience

Embracing the Tune of Appearance: An Emotional Symphony within **Espen Guidelines On Enteral Nutrition Geriatrics**

In a world eaten by screens and the ceaseless chatter of instantaneous conversation, the melodic beauty and mental symphony developed by the prepared word frequently disappear into the backdrop, eclipsed by the persistent noise and distractions that permeate our lives. However, nestled within the pages of **Espen Guidelines On Enteral Nutrition Geriatrics** a wonderful fictional value filled with fresh feelings, lies an immersive symphony waiting to be embraced. Crafted by an outstanding composer of language, this charming masterpiece conducts readers on an emotional trip, well unraveling the hidden melodies and profound influence resonating within each carefully crafted phrase. Within the depths of the poignant review, we can investigate the book's main harmonies, analyze their enthralling writing design, and submit ourselves to the profound resonance that echoes in the depths of readers' souls.

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