



ESPEN GUIDELINES

ESPEN Guidelines on Enteral Nutrition: Cardiology and Pulmonology ☆

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DGEM: ☆☆☆ H.F. Becker, M. Böhm, F.M. Brunkhorst, C. Vogelmeier

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Oral nutritional
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

**Marie Boltz, Marie P. Boltz, Elizabeth
Capezuti, Terry T. Fulmer, DeAnne
Zwicker**



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

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

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, Terry T. Fulmer, DeAnne Zwicker, 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 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 *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 Hazzard's Geriatric Medicine and Gerontology, 7E Jeffrey B. Halter,Joseph G. Ouslander,Stephanie Studenski,Kevin P. High,Sanjay Asthana,Nancy Woolard,Christine S. Ritchie,Mark A. Supiano,2016-11-18 The gold standard text on the diagnosis and treatment of disorders affecting the elderly completely updated with a new full color presentation A Doody s Core Title for 2021 The definitive treatise on the subject of geriatrics this comprehensive text combines gerontology principles with clinical geriatrics offering a uniquely holistic approach to this ever expanding area of medicine Written by some of the world s most respected geriatricians Hazzard s Geriatric Medicine and Gerontology Seventh Edition presents up

to date evidence based information in a rich new full color design Unmatched as a textbook this classic is also valuable to fellows in geriatric medicine Hazzards s Geriatric Medicine and Gerontology Seventh Edition is logically divided into five parts Principles of Gerontology Principles of Geriatrics Geriatric Syndromes Principles of Palliative Medicine and Organ Systems and Diseases Within its pages you will find balanced authoritative coverage of every essential topic from evaluation and management to nutrition and palliative medicine Here s why the Seventh Edition is the best edition ever NEW full color design with hundreds of color photographs NEW chapters Quality of Care in Older Adults Common Non Pain Symptoms in Older Adults Strategies of Effective Communication Around Advanced Illness Palliative Medicine in the Continuum of Care Including Hospice Coagulation Disorders and Plasma Cell Disorders MORE chapters on Palliative Medicine NEW Learning Objectives and Key Points added to each chapter MORE tables drawings and clinical algorithms EVIDENCE BASED through the use of the latest clinical practice guidelines references to systemic reviews and critically appraised topics UPDATED to reflect the most current clinical breakthroughs and advances for managing older adults in various settings *Hazzard's Geriatric Medicine and Gerontology, Eighth Edition* Jeffrey B. Halter, Joseph G. Ouslander, Stephanie Studenski, Kevin P. High, Sanjay Asthana, Mark A. Supiano, Christine S. Ritchie, Kenneth Schmader, 2022-06-06 The undisputed leader on the subject of geriatrics updated to reflect the most recent advances in the field A Doody s Core Title for 2024 2023 The leading text on the subject of geriatrics this comprehensive guide combines gerontology principles with clinical geriatrics offering unmatched coverage of this area of medicine Anchored in evidence based medicine and patient centered practice Hazzard s Geriatric Medicine and Gerontology presents the most up to date medical information available This updated eighth edition reflects the continued growth and increasing sophistication of geriatrics as a defined medical discipline The book focuses on the implementation of key concepts and covers the foundation for geriatrics as well as frequently encountered syndromes found in older adults In addition it provides valuable insights into the simultaneous management of multiple conditions including psychological and social issues and their interactions an intrinsic aspect of geriatric patient care Features A greater emphasize on the growing knowledge base for key topics in the field including gerontology geriatrics geriatric conditions and palliative medicine NEW chapters on Social Determinants of Health Health Disparities and Health Equity Age Friendly Care Geriatrics Around the World The Patient Perspective Substance Use and Disorders Applied Clinical Geroscience Managing the Care of Patients with Multiple Chronic Conditions UPDATED contributions from a respected and diverse team of geriatricians and subspecialists to reflect clinical breakthroughs and advances NEW Extensive coverage of the COVID 19 pandemic and its impact on vulnerable older adults Updated Learning Objectives and Key Clinical Points Hundreds of full color images *Pharmacotherapy: A Pathophysiologic Approach, Tenth Edition* Joseph T. DiPiro, Robert L. Talbert, Gary C. Yee, Gary R. Matzke, Barbara G. Wells, L. Michael Posey, 2017-01-23 The most comprehensive text available on the use of evidence based medication therapies for optimal patient outcomes updated with the latest breakthroughs and

guidelines A Doody's Core Title for 2019 Pharmacotherapy A Pathophysiologic Approach is written to help you advance the quality of patient care through evidence based medication therapy derived from sound pharmacotherapeutic principles The scope of this trusted classic goes beyond drug indications and dosages to include the initial selection proper administration and monitoring of drugs You will find everything you need to provide safe effective drug therapy across the full range of therapeutic categories Presented in full color the Tenth Edition is enriched by more than 300 expert contributors and every chapter has been updated to reflect the latest in evidence based information and recommendations This sweeping updates include tables charts algorithms and practice guidelines This edition is also enhanced by a timely all new chapter on Travel Health Here's why this is the perfect learning tool for students patient focused pharmacists and other health care providers All chapters have been updated to provide the most current reliable and relevant information possible Key Concepts at the beginning of each chapter Clinical Presentation Tables summarize disease signs and symptoms Clinical Controversies Boxes examine the complicated issues faced by students and clinicians in providing drug therapy Color coded diagnostic flow diagram treatment algorithms dosing recommendations and monitoring approaches clearly distinguish treatment pathways Most disease oriented chapters include updated evidence based treatment guidelines that often include ratings of the level of evidence to support the key therapeutic approaches Edition after trusted edition Pharmacotherapy A Pathophysiologic Approach has been unmatched in its ability to clearly and impartially impart core pathophysiological and therapeutic elements that students and practitioners must be familiar with

ESPEN Guidelines on Enteral Nutrition Luzia Valentini, 2006

DiPiro's Pharmacotherapy: A Pathophysiologic Approach, 12th Edition Joseph T. DiPiro, Gary C. Yee, Stuart T. Haines, Thomas D. Nolin, Vicki Ellingrod, L. Michael Posey, 2023-03-31 A Doody's Core Title for 2023 The 1 Textbook in Pharmacotherapy providing optimal patient outcomes using evidence based medication therapies updated with the latest advances and guidelines For more than 30 years DiPiro's Pharmacotherapy has been the essential textbook for learning how to properly select administer and monitor drugs everything needed to provide safe effective drug therapy across all therapeutic categories This new edition has been fully updated with the latest evidence based information and recommendations With content from 300 expert contributors this valuable resource offers detailed descriptions of common and uncommon disease states including treatment by pharmacologic and non pharmacologic means Each disease chapter opens with a Patient Care Process helping readers understand the collaborative care model in which pharmacists work and communicate with other healthcare providers for effective coordinated care Here's why DiPiro's Pharmacotherapy A Pathophysiologic Approach is the perfect learning tool for students pharmacists and other healthcare providers All chapters provide the most current reliable and relevant information available Key concepts are included at the beginning of each chapter Clinical Presentation boxes concisely outline disease signs and symptoms New Beyond the Book feature points readers to multimedia resources to deepen their understanding of the material Diagnostic flow diagrams treatment

algorithms dosing guideline recommendations and monitoring approaches clearly distinguish treatment pathways New Drug monitoring tables have been added Patient care process boxes help readers know how to communicate with other health care providers New Additional FREE E Chapters are available on AccessPharmacy New Over 2000 Review Questions to help prepare students

Pharmacotherapy: A Pathophysiologic Approach, Eleventh Edition Joseph T. DiPiro, Gary C. Yee, L. Michael Posey, 2020-07-03 Publisher's Note Products purchased from Third Party sellers are not guaranteed by the publisher for quality authenticity or access to any online entitlements included with the product 25 additional chapters available online The classic guide to driving optimal patient outcomes using evidence based medication therapies updated with the latest advances and guidelines Presented in full color Pharmacotherapy A Pathophysiologic Approach 11th Edition helps you deliver the highest quality patient care through evidence based medication therapy derived from sound pharmacotherapeutic principles It takes you beyond drug indications and dosages showing how to properly select administer and monitor drugs everything you need to provide safe effective drug therapy across all therapeutic categories With all new monitoring tables and authoritative content from 300 expert contributors this new edition has been fully updated to reflect the latest evidence based information and recommendations You'll find Key Concepts at the beginning of each chapter Clinical Presentation tables that summarize disease signs and symptoms and Clinical Controversies boxes that examine the complicated issues faced by students and clinicians in providing drug therapy Why Pharmacotherapy A Pathophysiologic Approach is perfect for students pharmacists and other healthcare providers All chapters provide the most current reliable and relevant information available Key concepts kick off every chapter Clinical Presentation Tables summarize disease signs and symptoms The majority of sections include personalized pharmacotherapy content Clinical Controversies Boxes clarify the most complex drug therapy issues you'll face Diagnostic flow diagrams treatment algorithms dosing recommendations and monitoring approaches have been updated in full color to distinguish treatment pathways Most disease oriented chapters are enhanced by updated evidence based treatment guidelines which often include ratings of the level of evidence to support key therapeutic approaches Instructors who adopt this text are eligible for a PowerPoint presentation of all images and answers to Self Assessment Questions The most trusted guide of its kind for decades Pharmacotherapy A Pathophysiologic Approach is the go to text for students and practitioners seeking clear objective coverage of core pathophysiologic and therapeutic elements

Yearbook of International Organizations 2014-2015, Volumes 1a & 1b (Set) Union of International Associations, 2014-06-16 Volume 1 A and B covers international organizations throughout the world comprising their aims activities and events

Home Care Enteral Feeding H. Lochs, David R. Thomas, 2005-01-01 The poor nutritional status of the elderly living at home is a widespread problem Many have energy and nutrient intakes below international standards Almost one in five community dwelling older adults lives on less than 1 000 kcal day The causes are dependent on sociological psychological and physiological factors Significant reductions in energy intake accompany medical illness and thus a causal

connection between the role of proinflammatory cytokines and illness induced undernutrition has been alleged. This challenge has now been addressed and analyzed by an international panel of leading experts at the 10th Nestl Nutrition Workshop in Berlin. Their work has brought the epidemiology, pathophysiology, and the role of cytokines and immunomodulation in the management of undernutrition to the center of scholar attention. This book is a synthesis of state of the art knowledge and expertise in this field of research and will be of high value for all medical and healthcare professionals who wish to gain insight into the complex interactions between nutrient intake and health.

Geriatric Nutrition Ronni Chernoff, 2006. This book offers a comprehensive review of nutritional assessment, intervention programs for the elderly, and health promotion activities.

ESPEN Guidelines on Parenteral Nutrition, 2009.

Geriatric Nutrition John E. Morley, Zvi Glick, Laurence Z. Rubenstein, 1995. Updated and revised throughout with a focus on clinical aspects, this multidisciplinary work presents up to date clinical and research findings of the special nutritional requirements of the elderly.

Geriatric Nutrition: Issues and Interventions American Society for Parenteral and Enteral Nutrition. Clinical Congress, 1989.

Nutrition Care of the Older Adult: a Handbook for Dietetics Professionals Working Throughout the Continuum of Care Kathleen C. Niedert, Becky Dorner, 2004. Completely revised with new chapters and sections covering everything the health care provider needs to know when working with the older adult, either at home or in nursing and long term care facilities. Chapters cover factors affecting nutrition, nutrition and disease, nutritional assessment, dining challenges, and regulatory compliance. This scientifically sound and practical resource for new and experienced nutrition professionals includes new forms, resources, the food guide pyramid for older adults, and an index of topics.

Handbook of Clinical Nutrition and Aging Connie W. Bales, Christine S. Ritchie, 2003-10-01. A compendium of detailed strategies for using nutritional interventions to ameliorate a host of age related disorders and an evidence based review of what interventions are and are not effective. These range from the effects of nutrition on the aging eye, the sense of taste and smell, hearing loss, sarcopenia, and dementia to the clinical role of nutrition in vascular and pulmonary disorders, cancer, immunity, endocrine and alimentary tract disorders, and renal and musculoskeletal disorders. The authors present the physiological basis for each disorder, provide the latest information about the interaction of nutrition with each condition, and review the potential routes and mechanisms for clinical intervention. All clinical chapters conclude with a summary of practical applications and treatment guidelines for secondary prevention, management, and therapy.

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