

REVIEW

LUKE D. KIM, MD, FACP, CMD

Assistant Professor of Medicine, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University; Center for Geriatric Medicine, Medicine Institute, Cleveland Clinic

KENNETH KONCILJA, MD

Geriatric Medicine Fellow, University of California San Francisco, Division of Geriatrics, Department of Medicine

CRAIG NIELSEN, MD, FACP

Associate Professor of Medicine, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University; Vice Chairman, Department of Internal Medicine, Medicine Institute, Cleveland Clinic; Deputy Editor, Cleveland Clinic Journal of Medicine

Medication management in older adults

ABSTRACT

Managing medications is a major part of providing care to older adults. Polypharmacy is common in the elderly and is fraught with risks. A careful and systematic approach is needed for managing drug therapy in these patients, recognizing the patient's specific goals.

KEY POINTS

Statins, anticholinergics, benzodiazepines, antipsychotics, and proton pump inhibitors are widely prescribed.

In older patients, a periodic comprehensive medication review is needed to reevaluate the risks and the benefits of current medications in light of goals of care, life expectancy, and the patient's preferences.

The Beers criteria and the Screening Tool of Older Persons' Potentially Inappropriate Prescriptions provide valuable guidance for safe prescribing in older adults.

MEDICATIONS STARTED FOR appropriate indications in middle age may need to be monitored more closely as the patient ages. Some drugs may become unnecessary or even dangerous as the patient ages, functional status and renal function decline, and goals of care change.

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Older adults tend to have multiple illnesses and therefore take more drugs, and polypharmacy increases the risk of poor outcomes. The number of medications a person uses is a risk factor for adverse drug reactions, nonadherence, financial burden, drug-drug interactions, and worse outcomes.¹

The prevalence of polypharmacy increased from an estimated 8.2% to 15% from 1999 to 2011 based on the National Health and Nutrition Examination Survey.² Guideline-based therapy for specific diseases may lead to the addition of more medications to reach disease targets.³ Most older adults in the United States compound the risk of prescribed medications by also taking over-the-counter medications and dietary supplements.⁴

In addition, medications are often used in older adults based on studies of younger persons without significant comorbidities. Applying clinical guidelines based on these studies to older adults with comorbidity and functional impairment is challenging.⁵ Age-related pharmacokinetic and pharmacodynamic changes increase the risk of adverse drug reactions.⁶

In this article, we review commonly used medications that are potentially inappropriate based on clinical practice. We also review tools to evaluate appropriate drug therapy in older adults.

Medication Management In Older Adults Medication Management In Older Adults

**Bette Bonder, Noralyn Pickens, Vanina
Dal Bello-Haas**

Medication Management In Older Adults Medication Management In Older Adults:

Medication Management in Older Adults Susan Koch, F. Michael Gloth, Rhonda Nay, 2010-08-14 Medication use is the predominant form of health intervention in our society And as we age the likelihood of medication use increases dramatically with more than 80 percent of those over age 65 using one or more medications Along with that the potential for medication errors also increases Indeed adverse drug reactions ADRs and adverse drug events ADEs are a significant problem in older adults Written in a practical format by contributors from Australia and the United States Medication Management in Older Adults A Concise Guide for Clinicians presents the available evidence on research interventions designed to reduce the incidence of medication errors in older adults with a focus on acute subacute and residential long term care settings Because medication errors can occur at all stages in the medication process from prescription by physicians to delivery of medication to the patient by nurses and in any site in the health system it is essential that interventions be targeted at all aspects of medication delivery Chapters cover the principles of medical ethics in relation to medication management common medication errors in the acute care sector medication management in long term care settings nutrition and medications the outcomes of a systematic review dose form alterations Electronic Health Records EHR Computerized Order Entry COE Beers criteria and pharmacokinetics and pharmacodynamics For those clinicians especially concerned with providing the best possible outcomes for their older adult patients Medication Management in Older Adults A Concise Guide for Clinicians is an invaluable resource and a significant contribution to the burgeoning literature on medication errors

Medication Management in Care of Older People Maggi Banning, 2008-04-15 Medication Management in Care of Older People is an accessible introduction to medication management and its role in the management of older people and their medicines It addresses key issues in medication management evaluates professional roles and clinical practice initiatives and explores healthcare policy and prescribing initiatives This text explores the biology and neurobiology of ageing pathological conditions such as Parkinson s and Alzheimer s disease medication errors issues of concordance long term conditions and the older person the principles of applied pharmacology and its relationship to older people Medication Management in Care of Older People will be of interest to health care professionals who either have an interest in medication management and older people or who are qualified independent or supplementary prescribers and will enable them to comprehend the principles of applied pharmacology and medication management to enable them to use this knowledge in their daily practice Illustrates the current issues concerns and approaches used to manage older people and their medicines Builds on pertinent current policy and research initiatives including the NSF for Older People and Building a Safer NHS for Patients the role of medication safety Each chapter features case studies learning outcomes and implications for practice I found this book to be interesting and highly relevant to OT practice I would recommend this book as a learning resource to inform review and support clinical therapy practice Occupational Therapists could well appreciate many of the contributory factors relating to

medication problems with Older People using this resource could raise own standards but also assist with reducing the negative impacts of medication issues on older people Sarah Montgomery A E Occupational Therapist and Communications Officer COT Specialist Section Older People London UK Nursing Care of Older People Andrew Hindle, Alison Coates, 2011-02-10 Nursing care of older people provides a new contemporary evidence based and practical guide to meeting the holistic health needs of older patients With a clear and engaging style the authors outline a rigorous and robust account of underlying principles and evidence with tools and tips for best nursing practice This comprehensive textbook examines the changes brought about by the ageing process to both physical and mental health as well as learning disabilities Providing essential insights necessary to deliver high quality nursing in primary and hospital care this text covers a wide range of issues and clinical topics Learning is aided by case studies nursing insights activities and reflection enabling readers to apply theory to practice This text is particularly useful for pre and post registration student nurses qualified nursing staff and other healthcare professionals working alongside nurses to deliver care to older people The online resource centre to accompany Nursing care of older people features For students and lecturers Additional interactive case studies National policy links Website links to national older people organizations charities and support groups and links to journals on older patients in health care Audio podcasts on the nursing care of older people **Improving Medication Management in Home Care** Dennee Frey, 2016-05-06 Help stop the widespread problem of medication errors among the elderly The problem of medication errors among the elderly is widespread Improving Medication Management in Home Care Issues and Solutions tackles this tough issue by closely examining the challenges faced in preventing medication errors in home and community care program settings and putting forth effective solutions to better manage medication use Respected experts discuss the unique role of the pharmacist in improving patient safety presenting a comprehensive collection of evidence based studies featuring national and international viewpoints cutting edge interventions and cost effective procedures that address medication problems in older adults Polypharmacy is the term used for patients receiving too many medications for a specific treatment The implications for drug drug interactions can be dangerous for the unaware patient Improving Medication Management in Home Care Issues and Solutions focuses on several different effective management programs and examines each in detail completely explaining the positive and negative results This hands on practical information is useful for all professionals and field providers working with older adults and their medication concerns The book also provides valuable lessons through the experiences of national home health leaders in various settings hospital based rural large or small etc as well as community based programs for dually eligible older adults The book is extensively referenced and includes an abundance of clear helpful tables figures and Web resources Improving Medication Management in Home Care Issues and Solutions explores developing computerized risk assessment screenings implementing pharmacist centered interventions improving transitional care from hospital to home the Prescription Intervention and Lifelong Learning PILL program

Medication Therapy Management Services a quality improvement project to reduce falls and improve medication management outcome based quality improvement for patient safety intern programs that can provide cost effective consultant services Improving Medication Management in Home Care Issues and Solutions is essential reading for home health care administrators clinicians managers pharmacists physicians educators students those professionals involved in the field of aging and health practitioners world wide

Evidence-based Interventions for Community Dwelling Older Adults Susan M. Enguídanos, 2006 A critical milestone in the evolution of evidence based medicine Evidence Based Interventions for Community Dwelling Older Adults presents an overview of significant evidence based programs that can improve the health of seniors living in community based settings The book examines research conducted on a variety of health related issues including depression care management falls prevention physical activity and medications management It also looks at research models that were translated into real life practice settings explores the benefits of implementing evidence based models into care settings and provides examples of how to adapt tested programs to meet local agency and population needs The health care delivery system in the United States has embraced evidence based medicine largely based on its potential to reduce unwanted variations and keep a lid on escalating health care costs But there are few resources available on how to gather information about model programs and even fewer on how to adapt them for practice Evidence Based Interventions for Community Dwelling Older Adults discusses how to effectively manage care beyond the hospital or clinic as researchers practitioners policymakers and academics provide an overview of evidence based practice that works toward the best possible care for patients The book also highlights the efforts of social workers pharmacists and case managers and illustrates the importance of the leadership efforts of the Administration on Aging National Council on Aging and the Centers for Disease Control Evidence Based Interventions for Community Dwelling Older Adults examines the effectiveness of geriatric care management medication management screening and intervention multifaceted intervention strategies to prevent and or reduce falls among older adults physical fitness activities for the frail elderly population at home barriers to depression care and how to reduce them using Problem Solving Therapy PST to address depression and other psychosocial issues using Diffusion of Innovation Theory to duplicate an end of life in home palliative care model and much more Evidence Based Interventions for Community Dwelling Older Adults is an essential resource for anyone who works with seniors in medical and community based settings including case managers geriatricians social workers pharmacists and physical therapists It s equally valuable as a professional aid for program directors CEOs and administrators of medical and community based programs that target older adults

Functional Performance in Older Adults Bette Bonder, Noralyn Pickens, Vanina Dal Bello-Haas, 2024-02-15 Support the health well being and quality of life of older adults Here s the ideal resource for students who are preparing to work with older adults This text discusses the complexity of the aging experience the science that contributes to positive aging and the specific considerations that occupational therapy practitioners must

bring to their efforts to support older adults You ll find descriptions of the normal aging process discussions of how health and social factors can impact your clients ability to participate in valued occupations and guidance on how to develop occupation based strategies for maximizing their well being

Evidence-Based Geriatric Nursing Protocols for Best Practice Marie Boltz, Marie P. Boltz, Elizabeth Capezuti, Terry T. Fulmer, 2024-09-26 Praise for previous editions 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 Doodys The result of a collaboration between expert practitioners and educators in geriatric nursing the seventh edition of this acclaimed reference has been updated and revised with new information on chronic conditions and emerging models of care presented in 10 completely new chapters It provides the most current evidence based protocols for improving both quality of care and patient outcomes when caring for older adults in multiple disciplines and settings As in past editions the seventh edition is distinguished by its use of a rigorous systematic method AGREE Appraisal of Guidelines for Research and Evaluation to improve the validity of the book s evidence based content Chapters provide assessment and management principles clinical interventions and information on specialty practice and models of care Included in most chapters are protocols developed for each clinical condition by experts in that specific area Evidence is current and derived from all settings of care including community primary acute and long term care Protocols include an overview and evidence based assessment and intervention strategies Illustrative case studies with discussion are presented in most chapters along with chapter objectives and references with evidence ratings Instructor s resources include an AACN Mapping Grid Course Cartridge Transition Guide PowerPoints and Test Bank New to the Seventh Edition Updated to encompass the latest trends in older adult care chronic conditions and emerging models of care New chapters on care and management of diabetes and respiratory care New chapters on issues surrounding nutrition and dementia and mental illness New chapter on care and comfort at the end of life New chapters on adopting principles of diversity equity and inclusion and an age friendly health system into practice New chapters on models of care in long term community based and primary care Key Features Delivers easy to follow geriatric protocols for best practices Updates evidence regularly to reflect current practice standards Encompasses a broad scope of content including detailed information rarely covered in professional literature Offers case studies and discussions to illustrate application of protocol to practice Written by renowned leaders in geriatric nursing education and practice Use of AGREE Appraisal of Guidelines for Research and Evaluation to improve the validity of evidence throughout the text

Improving Medication Management in Home Care Dennee Frey, 2005 The problem of medication errors among the elderly is widespread Improving Medication

Management in Home Care Issues and Solutions tackles this tough issue by closely examining the challenges faced in preventing medication errors in home and community care program settings and putting forth effective solutions to better manage medication use Respected experts discuss the unique role of the pharmacist in improving patient safety presenting a comprehensive collection of evidence based studies featuring national and international viewpoints cutting edge interventions and cost effective procedures that control medication problems in older adults *Nutrition for the Older Adult* Melissa Bernstein,Nancy Munoz,2019-02-11 Updated to the latest data and expert information the Third Edition of Nutrition for the Older Adult introduces students to the unique nutritional needs of this growing population Designed for the undergraduate the text begins by covering the basics including the demographics of aging physiology of aging and vitamin and mineral requirements for older adults It then delves into clinical considerations including the nutritional implications of diseases and conditions common among older adult Additional coverage includes nutritional assessment pharmacology nutritional support and much more With new pedagogical features along with revamped end of chapter activities and questions Nutrition for the Older Adult is an essential resource for students in the fields of nutrition nursing public health and gerontology **Patient Safety and Quality: Patient safety and quality** Ronda Hughes,2008

Reviewing **Medication Management In Older Adults Medication Management In Older Adults**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is really astonishing. Within the pages of "**Medication Management In Older Adults Medication Management In Older Adults**," an enthralling opus penned by a very acclaimed wordsmith, readers set about an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve into the book's central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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