



# GERIATRIC ENDOCRINOLOGY



# Geriatric Endocrinology

**P. Michael Conn, Shlomo Melmed**



## Geriatric Endocrinology:

**Endocrinology of Aging** Emiliano Corpas, Marc R. Blackman, S. Mitchell Harman, Antonio Ruiz-Torres, 2020-09-22  
Endocrinology of Aging Clinical Aspects in Diagrams and Images presents chapters in a way that allows the reader to incorporate concepts and complex facts in a visual way As the global population becomes older the need for a deeper understanding of geriatric pathology increases and with it there becomes a greater need to access educational resources on the endocrinology and metabolism of aging According to the United Nations the number of people aged 60 years or over in the world is projected to be 1.4 billion in 2030 and 2.1 billion in 2050 hence this is a timely resource Divided according to specific endocrine and metabolic systems providing evidence based content Addresses physiological changes that alter the pathophysiology of the clinical picture Considers the patient transitioning from young adult to elderly discussing endocrinological challenges to discern physiology from pathology Focuses on age as an essential factor for diagnostic and endocrine management *Geriatric Endocrinology* Robert Benjamin Greenblatt, 1978 Principles and Practice of Geriatric Medicine M.S. John Pathy, Alan J. Sinclair, John E. Morley, 2006-02-03 The fourth edition of the highly acclaimed *Principles and Practice of Geriatric Medicine* provides an account of the fundamental changes associated with ageing which are essential to our understanding and management of the elderly sick population The title has been extensively revised and updates to reflect the enormous changes in treatment options and medical conditions emerged since publication of the third edition Written by worldwide experts of international repute this is the most up to date and comprehensive single reference source currently available *Principles Practice of Geriatric Medicine Fourth Edition* incorporates More than 30 new chapters including Preventive geriatrics Anorexia of Aging Managements of Weight Loss Dehydration Vitamins and Minerals in the Elderly Cancer and Aging Mild Cognitive Impairment Treatment of Behavioral Disorders The Older Patient with Down s Syndrome Drug Abuse in Older People Breast Cancer Women s health A truly global perspective including new chapter on Care of the elderly in Israel old age in a young land Geriatric Medicine in China Geriatric medicine education in Europe Geriatrics from the European Union Perspective India Day Hospitals Perspectives from Latin America The title will be indispensable for all those involved in the treatment of older patients Gerontologists to keep up to date with the latest developments in the field General practitioners and specialists in health policy and community care who increasingly have to deal with a significant number of older people Academic researchers in geriatric medicine who are in need for an all encompassing reference work Medical registrars UK residents US in order to pass their exams Teachers of Geriatric Medicine Hospital libraries with increasing budgets to spend on much needed resource in this growing field Professionals within the pharmaceutical industry in order to monitor treatment options and new prescription developments *Functional Endocrinology of Aging* C. V. Mobbs, P. R. Hof, Tamás Fülöp, 1998-07 One of the most demanding aspects regarding the endocrinology of aging is to determine the extent to which hormones change with age independent of age related pathologies

and the clinical significance of these changes The emphasis of the present volume is on function as it is of particular interest to many nonspecialists under what circumstances endocrine therapy may be useful in the elderly For this purpose leading investigators in their respective fields review the most important hormonal systems affected by aging Furthermore to facilitate the utility of the reviews particularly for nonspecialists the book emphasizes the critical analysis of specific issues The extent to which the hormones considered really do change with age especially in humans the physiological significance and the causes of these changes and the prospects for treatment Additionally this volume also includes reviews on subjects such as cytokines the sympathetic nervous system and leptin which have not been traditionally considered in reviews of endocrine systems However while the concept of hormone replacement in the elderly is promising as the chapters in the present volume indicate much more research is necessary to determine under what circumstances such therapy is appropriate rather than counterproductive

*Endocrine Frailty in the Elderly* Sandro La Vignera, Antonio Aversa, Fabio Monzani, 2019-12-04

**Contemporary Geriatric Medicine** Steven R. Gambert, 2012-12-06 This volume is the third in the Contemporary Geriatric Medicine series As in previous volumes information is presented in the form of easy to read essays to bring the reader up to date on state of the art developments in the area of geriatric medicine Once again a system approach is utilized In addition several new topics including alcoholism thromboembolic disease and decubitus ulcer management have been introduced to enhance this volume's usefulness to the busy clinician and student Each chapter is not meant to be an exhaustive review of all topics in the field but rather to focus on issues currently receiving a great deal of attention Our goal continues to be to create an exciting approach to contemporary issues in geriatric medicine The editors are once again appreciative for having been given the opportunity to develop this series Appreciation is also expressed to our professional colleagues families and administrative assistants who have enabled this volume to reach fruition As in the past we thank most of all our elderly patients for providing the inspiration and impetus to improve our knowledge and understanding of the health care needs of the elderly Steven R Gambert M D V alhalla New York ix Contents Chapter 1 Geriatric Cardiology and Blood Pressure 1 Edmund H Duthie Jr and Michael H Keelan Jr

**Fundamentals of Geriatric Pharmacotherapy** Lisa C. Hutchison, Rebecca B. Sleeper, 2015-03-01 Fundamentals of Geriatric Pharmacotherapy Second Edition gives practitioners the information they need to improve outcomes and personalize care for elderly patients New to this edition are new chapters on Death Dying and Infections and Antimicrobial Stewardship Additional enhancements in this edition include added links to new guidelines assessment tools and videos Additional cases and a study guide will match the content map for certified geriatric pharmacists examination

**Principles and Practice of Endocrinology and Metabolism** Kenneth L. Becker, 2001 Established as the foremost text in the field Principles and Practice of Endocrinology and Metabolism is now in its thoroughly revised updated Third Edition This practical clinically relevant and comprehensive text covers the entire field of endocrinology and metabolism including the diffuse endocrine system morphology and physiology diagnosis and treatment

of endocrine diseases endocrinology of the female hormones and cancer and much more The Third Edition contains new chapters reflecting the latest advances and features expanded coverage of genetics and the endocrinology of sepsis More than 1 400 illustrations complement the text A drug formulary appears at the back of the book *Neuroendocrinology of Aging* Joseph Meites, 2012-12-06 JOSEPH MEITES The idea that the endocrine system is involved in aging processes is as old as the beginnings of endocrinology The first endocrine experiment related to aging was reported by Brown Sequard who is usually regarded as the father of endocrinology In 1889 at the age of 72 years he reported that he had succeeded in rejuvenating himself by injections of testicular extracts from dogs and guinea pigs Although the favorable effects observed may have been due mainly to the powers of auto suggestion his reports created a considerable interest in endocrinology and its relation to aging and eventually led to the use of estrogens for treating certain pre and postmenopausal symptoms in women and androgens for treating some symptoms in aging men Up to about the 1960 s the relatively few studies on endocrine aging relationships dealt mainly with changes in weight and histological appearance of endocrine organs in aging animals and human subjects and included a limited number of measurements of endocrine function by bioassays and chemical for steroids procedures Within these limitations gerontological investigators were unable to establish any definite relationships between endocrine functions and aging processes with the exception of the connection between reproductive decline and gonadal and pituitary activity Endocrinology P. Michael Conn, Shlomo Melmed, 1997-03-25 Leading scientists and clinicians create a concise yet comprehensive encyclopedia of the latest scientific and clinical knowledge covering the entire spectrum of endocrinology from mammalian cells plants and insects to animal models and human disease Their book illuminates the scientific principles underlying all aspects of hormone secretion and hormone action and leads the reader toward a full understanding of the pathogenesis of human endocrine disease It will be indispensable to physicians and scientists as well as to students who need a high quality up to date critical survey and reference to endocrinology today

**Basic and Clinical Endocrinology** Francis Sorrel Greenspan, 1991 Current Catalog National Library of Medicine (U.S.), 1983 First multi year cumulation covers six years 1965 70 *Molecular Basis of Thyroid Hormone Action* Jack Oppenheimer, 2012-12-02 *Molecular Basis of Thyroid Hormone Action* focuses on the actions of thyroid hormones in eukaryotic cells This book discusses the profound effects of thyroid hormones on the growth development and metabolism of practically all tissues of higher organisms Organized into 15 chapters this volume starts with an overview of the kinetic interrelationships of hormone bound to specific receptors and hormone associated with other tissue and plasma pools in living animals This book then discusses the thyroid hormone receptor a chromatin associated protein that appears to mediate the actions of the thyroid hormones in mammalian cells Other chapters consider the localization of the receptors in chromatin This book further discusses how thyroid hormones stimulate the accumulation of specific mRNA molecules in cell culture as well as in tissues in vivo This book is intended for readers who are interested in cell and molecular biology

Endocrinologists will also find this book extremely useful      **Geriatrics for Everyday Practice** J. Andrews, H. P. von Hahn, 1981-07-07      *Principles and Practice of Geriatric Medicine* M. S. J. Pathy, Alan J. Sinclair, John E. Morley, 2006 The fourth edition of *Principles and Practice of Geriatric Medicine* provides an account of the fundamental changes associated with ageing which are essential to our understanding and management of the elderly sick population The title has been updated to reflect in treatment options and medical conditions      **Biochemical Actions of Hormones V10** Gerald Litwack, 2012-12-02 *Biochemical Actions of Hormones Volume X* explores the important fields of recombinant DNA technology and nuclear matrix and their impact on biochemical endocrinology This volume is organized into 12 chapters and begins with a presentation of an excellent model for determining the role of various receptors operating at the genetic level using cells in culture derived from the anterior pituitary These topics are followed by a summary of conceptual advances in understanding nerve growth factor and related hormones as well as the polypeptide hormones which are recognized as growth factors for cells in culture A chapter provides some insights into the pineal hormone melatonin The remaining chapters discuss the Ah carcinogen receptor which seems to be analogous in many respects to a steroid receptor These chapters also survey the various aspects of steroid receptors including the specific acceptor sites in genes and their flanking sequences the synthetic oligonucleotide acceptors for steroid receptor complexes and the mechanisms of glucocorticoid resistance in leukemia Biochemists biologists and research workers who are interested in biochemical aspects of endocrinology will find this book invaluable      Renal Function and Disease in the Elderly Juan F. Macias Nuñez, J. Stewart Cameron, 2014-04-24 *Renal Function and Disease in the Elderly* explores the renal system of elders The book details the various roles of renal system as well as the illnesses that the elderly can have The book is inspired by the insufficient attention this topic has received among medical personnel The book begins by discussing the changes in a person's vessels and kidney as he or she ages The discussion then shifts to the older person's glomerulus and renal blood flow Other chapters offer information about how aging affects a person's body systems and processes including water balance electrolytes kidneys proximal tubes and ingestion of drugs Diseases such as urinary tract infection interstitial nephropathies glomerulonephritis renal vasculitis renal cyst acute renal failure and obstructive uropathy are also explained While the book is primarily a valuable reference for medical practitioners in the field it also caters to students and casual readers Elderly readers regardless of whether they have a disease or not can also benefit from this book      *Endocrinology of Aging* John E. Morley, Lucretia van den Berg, 1999-11-05 Distinguished physicians critically review the clinical consequences of the endocrinological changes that occur with aging in both men and women and examine the use of hormonal therapy to reduce them Topics range from bone disease and water balance in all older people to androgen deficiency in aging males gynecomastia and menopause The authors also discuss Type II diabetes in persons over 65 emphasizing the cognitive benefits of good glycemia control and the interaction of nutrition and metabolism focusing on hypocholesterolemia obesity

the anorexia of aging trace elements and vitamins The aging of the sympathetic nervous system and its impact on hypertension in the elderly is also covered Timely and authoritative Endocrinology of Aging offers endocrinologists geriatricians and primary care physicians critical insight into the endocrine problems of our rapidly growing elderly population *Recent Advances in Gestational Diabetes Mellitus* Guoju Li,Zhanhui Du ,Yanhui Lu,2024-06-24 Gestational

diabetes mellitus is one of the most common pregnancy related complications Gestational diabetes mellitus poses a significant threat to maternal health and offspring development including shoulder dystocia preterm birth maternal hypertension and ischemic heart disease constituting a major public health crisis Given the serious adverse outcomes of gestational diabetes mellitus there is an urgent need to further explore new prediction tools of early pregnancy The exact reasons for the development of gestational diabetes mellitus remain inconclusive Pathological mechanisms underlying gestational diabetes mellitus have been mainly attributed to cell impairment However the underlying mechanisms of gestational diabetes mellitus have not been elucidated In identifying risk factors and biomarkers in early pregnancy can provide more basis for clinical diagnosis of gestational diabetes mellitus in the future **Nutritional Aspects Of Aging**

Linda H. Chen,2018-01-18 The first section in Volume 1 describes the fundamentals of nutrition and aging which include research strategies for the study of nutrition and aging The nutritional modulation of the aging process which has provided a major breakthrough in the field of nutrition and longevity is also discussed These include biomedical influences and social and psychological aspects Section 3 includes dietary characteristics of the elderly population and methods for the assessment of nutritional status The nutritional status of the elderly with respect to individual nutrients as determined by dietary survey and by biochemical methods is described in Section 4 Section 4 also includes discussion on nutrient metabolism requirements nutritional imbalances and deficiencies of nutrients Energy metabolism and obesity as a factor in pathogenesis of diseases are also discussed

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