

Basic Medical Endocrinology Goodman 4th Edition

This book provides a comprehensive overview of endocrinology of the male reproductive system, explaining how it works and how, sometimes, it fails to work. World-class specialists present state of the art knowledge on all aspects, including anatomy, physiology, molecular biology, genetics, pathophysiology, clinical manifestations of testicular diseases, endocrine aspects of andrological and sexual diseases, and therapy. Extensive consideration is given to sexual development, testicular function, the clinical approach to disorders of male reproduction, male hypogonadism, sexual dysfunction, and male infertility. In addition, sociodemographic, psychological, and ethical aspects of male reproductive disorders are discussed. The book is intended as a major reference for endocrinologists, andrologists, and sexologists, as well as basic and clinical scientists. It is published as part of the SpringerReference program, which delivers access to living editions constantly updated through a dynamic peer-review publishing process.

The histology text the medical field turns to first -- authoritative, concise, beautifully illustrated, and completely up-to-date More than 600 full-color illustrations For more than three decades, Junqueira's Basic Histology has been unmatched in its ability to explain the relationship between cell and tissue structure with their function in the human body.

Updated to reflect the latest research in the field and enhanced with more than 600 full-color illustrations, the thirteenth edition of Junqueira's represents the most comprehensive and modern approach to understanding medical histology available anywhere.

This pocket-sized quick-reference handbook presents evidence-based recommendations for diagnosis and treatment of endocrine disorders. The authors summarize the latest and best clinical studies supporting the practice recommendations and grade each study to indicate the benefits and risks of the therapy and the reliability of the study results. Chapters cover disorders in the major areas of endocrinology—hypothalamic-pituitary, thyroid, adrenal, metabolic bone, reproductive, diabetes, lipid disorders, obesity and nutrition, endocrine malignancies, and genetics. This thoroughly updated edition features a new chapter on genetics, expanded chapters on lipids and obesity and nutrition, and comprehensive coverage of new therapies for diabetes and osteoporosis.

This innovative textbook provides a readable, contemporary and fully integrated introduction to endocrine glands, their hormones and how their function relates to homeostasis. It explores the pathology of endocrine disease by relating the underpinning science through a wealth of clinical scenarios and examples. The book integrates basic and clinical aspects for a range of endocrine glands and their hormones and includes a number of specialist chapters that also address areas of intense research and clinical interest including the regulation of salt, appetite and endocrine-immune interactions. Provides a fully-integrated, scientific and clinical introduction to endocrinology. Includes a wealth of colour illustrations to reinforce key concepts. Introduces clinical scenarios and leading questions to engage interest and illustrate the relevance of the underpinning science. Includes key references and suggestions for further reading at the end of each chapter. Written by a highly respected and experienced author team this new textbook will prove invaluable to students needing an original, integrated introduction to the subject across a variety of disciplines including biomedical science, pharmacology, bioengineering and pre-clinical medicine.

This new volume in the Handbook of Sports Medicine and Science series, published in conjunction with the Medical Commission of the International Olympic Committee, offers comprehensive and practical guidance on the training and medical care of competitive gymnasts. Written and edited by leading trainers, team doctors, coaches and other professionals with unparalleled experience in elite gymnastics, this book covers all the key aspects of caring for gymnasts, minimizing the unique risks these athletes face, and treating injuries when they happen. The book is organized into 4 sections covering: The evolution of gymnastics Growth and development Training and performance Sports medicine Individual chapters cover key topics such as energy needs and body weight management; biomechanics; psychology; the epidemiology of gymnastic injuries; treatment and rehabilitation of common injuries; injury prevention; and more. Endorsed by the International Gymnastics Federation (FIG), no other book offers such an in-depth look at the unique considerations and challenges that affect the growth, performance, training, and medical care of athletes in this demanding sport.

In the 8 years since the publication of the first edition of Essentials of Anatomic Pathology, great strides have been made in our understanding of diseases and neoplastic processes. Many clinically important new histopathologic entities have been described or more fully defined in virtually every organ. Numerous clinically important diagnostic and prognostic markers have entered routine practice. Genetic testing for the early detection of cancers and the molecular classification of diseases has become increasingly important. This is an age of enlightenment in surgical pathology, and the authors of this new volume have captured this sense of excitement herein. This much praised and widely used reference manual on has been extensively revised and expanded to cover the entire field of anatomic pathology. The Third Edition features the incorporation of full-color images in the text with updates of new diagnostic and prognostic information. New classifications and numerous new entities and histologic variants are fully explored. Useful immunostaining biomarkers and emerging molecular targets and relevant molecular findings that have emerged from recent genomic studies are incorporated in each chapter. Written by internationally recognized authorities, the comprehensive, evidence-based practice information is presented in an outline format that is clear and easy to follow. Up-to-date and richly detailed, Essentials of Anatomic Pathology, Third Edition offers both the pathologist-in-training and the practicing pathologist a concise summary of all the critical information needed to recognize, understand and interpret anatomic pathology.

This book discusses statistical methods that are useful for treating problems in modern optics, and the application of these methods to solving a variety of such problems This

book covers a variety of statistical problems in optics, including both theory and applications. The text covers the necessary background in statistics, statistical properties of light waves of various types, the theory of partial coherence and its applications, imaging with partially coherent light, atmospheric degradations of images, and noise limitations in the detection of light. New topics have been introduced in the second edition, including: Analysis of the Vander Pol oscillator model of laser light Coverage on coherence tomography and coherence multiplexing of fiber sensors An expansion of the chapter on imaging with partially coherent light, including several new examples An expanded section on speckle and its properties New sections on the cross-spectrum and bispectrum techniques for obtaining images free from atmospheric distortions A new section on imaging through atmospheric turbulence using coherent light The addition of the effects of "read noise" to the discussions of limitations encountered in detecting very weak optical signals A number of new problems and many new references have been added Statistical Optics, Second Edition is written for researchers and engineering students interested in optics, physicists and chemists, as well as graduate level courses in a University Engineering or Physics Department.

Reviews advances in our understanding of the role of growth hormone in health and disease.

Basic Medical Endocrinology Academic Press

Comprehensive and critical review of the current clinical, radiologic, biochemical, molecular, cytogenetic, immunologic and histopathologic aspects of endocrine disorders.

This volume offers a detailed and comprehensive analysis of Endocrine Disrupting Chemicals (EDCs), covering their occurrence, exposure to humans and the mechanisms that lead to the pathogenesis of EDCs-induced metabolic disorders. The book is divided into three parts. Part I describes the physiology of the human endocrine system, with special emphasis on various types of metabolic disorders along with risk factors that are responsible for the development of these disorders. Part II addresses all aspects of EDCs, including their role in the induction of various risk factors that are responsible for the development of metabolic disorders. Part III covers up-to-date environmental regulatory considerations and treatment strategies that have been adopted to cure and prevent EDCs-induced metabolic disorders. This section will primarily appeal to clinicians investigating the causes and treatment of metabolic disorders. The text will also be of interest to students and researchers in the fields of Environmental Pharmacology and Toxicology, Environmental Pollution, Pharmaceutical Biochemistry, Biotechnology, and Drug Metabolism/Pharmacokinetics.

Since the publication of the Institute of Medicine (IOM) report Clinical Practice Guidelines We Can Trust in 2011, there has been an increasing emphasis on assuring that clinical practice guidelines are trustworthy, developed in a transparent fashion, and based on a systematic review of the available research evidence. To align with the IOM recommendations and to meet the new requirements for inclusion of a guideline in the National Guidelines Clearinghouse of the Agency for Healthcare Research and Quality (AHRQ), American Psychiatric Association (APA) has adopted a new process for practice guideline development. Under this new process APA's practice guidelines also seek to provide better clinical utility and usability. Rather than a broad overview of treatment for a disorder, new practice guidelines focus on a set of discrete clinical questions of relevance to an overarching subject area. A systematic review of evidence is conducted to address these clinical questions and involves a detailed assessment of individual studies. The quality of the overall body of evidence is also rated and is summarized in the practice guideline. With the new process, recommendations are determined by weighing potential benefits and harms of an intervention in a specific clinical context. Clear, concise, and actionable recommendation statements help clinicians to incorporate recommendations into clinical practice, with the goal of improving quality of care. The new practice guideline format is also designed to be more user friendly by dividing information into modules on specific clinical questions. Each module has a consistent organization, which will assist users in finding clinically useful and relevant information quickly and easily. This new edition of the practice guidelines on psychiatric evaluation for adults is the first set of the APA's guidelines developed under the new guideline development process. These guidelines address the following nine topics, in the context of an initial psychiatric evaluation: review of psychiatric symptoms, trauma history, and treatment history; substance use assessment; assessment of suicide risk; assessment for risk of aggressive behaviors; assessment of cultural factors; assessment of medical health; quantitative assessment; involvement of the patient in treatment decision making; and documentation of the psychiatric evaluation. Each guideline recommends or suggests topics to include during an initial psychiatric evaluation. Findings from an expert opinion survey have also been taken into consideration in making recommendations or suggestions. In addition to reviewing the available evidence on psychiatry evaluation, each guideline also provides guidance to clinicians on implementing these recommendations to enhance patient care.

The ESC Handbook on Cardiovascular Pharmacotherapy, based on the most recent guidelines in cardiovascular pharmacology, and containing a comprehensive A-Z formulary of common and less commonly used cardiac drugs and drug groups, provides practical and accessible guidance on all areas of drugprescribing. Previously published as Drugs in Cardiology, this new edition has been developed by the ESC Working Group on Cardiovascular Pharmacology. Pharmacology is an integral aspect in almost all disciplines within cardiology and all cardiologists use cardiovascular drugs. Completely updated and aligned with the ESC Clinical Practice Guidelines for prescribing, this handbook is essential reading for consultants, registrars in training, general practitioners, specialist cardiac nurses and cardiovascular pharmacologists.

A full-color guide to the entire field of clinical endocrinology and its scientific underpinnings – updated with the latest breakthroughs and developments Greenspan's Basic & Clinical Endocrinology delivers a succinct, leading-edge overview of the underlying molecular biology of the endocrine system and the latest perspectives on the diagnosis and treatment of specific diseases and disorders. Featuring an enhanced design that includes hundreds of full-color illustrations and clinical photographs, Greenspan's is a true must-have during traditional or integrated courses in endocrinology, endocrinology rotation, or exam prep in internal medicine and endocrinology and as reference for disease management. Greenspan's provides clinically relevant coverage of metabolic bone disease, pancreatic hormones and diabetes mellitus, hypoglycemia, obesity, geriatric endocrinology, and many other diseases and disorders. Supporting this essential material is a handy appendix of normal hormone reference ranges across the lifespan. Here's why Greenspan's is an essential tool for learning how to manage endocrine patients:

- The Tenth Edition is enhanced by updated content throughout each chapter
- NEW CHAPTERS on Transgender Endocrinology and Disorders of Sexual Determination and Differentiation
- Important chapter on Evidence-Based Endocrinology and Clinical Epidemiology
- Concise, balanced coverage of both scientific and clinical principles that guide patient management
- The best source for current concepts in endocrine pathophysiology to aid clinical decision making
- The most practical, current insights into diagnostic testing
- More than 270 full-color illustrations and clinical photographs

If you are in need of a well-illustrated, completely up-to-date guide to the entire field of clinical endocrinology, this trusted classic belongs on your desk or computer.

From 11 to 15 July 1977 about 60 physiologists, endocrinologists, ecologists and other biologists from 14 countries convened at the University Montpellier for a symposium on Environmental Endocrinology. This meeting was organized as a Satellite Symposium of the 27th International Congress of Physiological Sciences, Paris, 18-23 July 1977. This volume is a record of the communications presented at the

symposium. The objectives of the program were to examine the role of the endocrine system in a wide spectrum of adjustments and adaptations to changes in environmental conditions by various species of animals, including man, and to promote an exchange of ideas among investigators who have approached these functions from diverse aspects. The diversity of the information and ideas communicated is great. Of necessity, they represent only an extremely modest selection of the many facets of endocrine function in the interaction of animals with their environments. Beyond the usefulness of the communications individually, we hope that they collectively demonstrate the substantial heuristic value of the concept of environmental endocrinology as it was perceived by the participants. We acknowledge gratefully the kindness and sympathy of Professor Jaques ROUZAUD, President of the University of Montpellier II, for his generous extension of the hospitality of the University to the Symposium. We are most grateful to Mrs. Monique VIEU who effected so well the secretarial organization of the Sympos.

Get the BIG PICTURE of Medical Physiology -- and focus on what you really need to know to ace the course and board exams! 4-Star Doody's Review! "This excellent, no-frills approach to physiology concepts is designed to help medical students and other health professions students review the basic concepts associated with physiology for the medical profession. The information is concise, accurate and timely." If you don't have unlimited study time Medical Physiology: The Big Picture is exactly what you need! With an emphasis on what you "need to know" versus "what's nice to know," and enhanced with 450 full-color illustrations, it offers a focused, streamlined overview of medical physiology. You'll find a succinct, user-friendly presentation designed to make even the most complex concepts understandable in a short amount of time. With just the right balance of information to give you the edge at exam time, this unique combination text and atlas features: A "Big Picture" perspective on precisely what you must know to ace your course work and board exams Coverage of all the essential areas of Physiology, including General, Neurophysiology, Blood, Cardiovascular, Pulmonary, Renal and Acid Base, Gastrointestinal, and Reproductive 450 labeled and explained full-color illustrations 190 board exam-style questions and answers -- including a complete practice test at the end of the book Special icon highlights important clinical information

This revised and updated edition of Physiology at a Glance features clear and concise illustrations, memorable data tables, and easy-to-read text, to provide a thorough introduction to physiology that integrates seamlessly with the medical school curriculum. Physiology at a Glance breaks the topic down into its core components, dealing with structures of the body from cellular level to composite systems. Each chapter focuses on an element of the body and explores vital concepts to aid students at all levels of their training. Physiology at a Glance: • Introduces basic biological principles in easy-to-follow spreads, followed by thoroughly revised and updated systems-based chapters • Features completely revised or brand new chapters and figures, including introductory chapters on homeostasis, blood, haemostasis and immunological defence mechanisms • Is fully supported by a companion website at www.ataglanceseries.com/physiology featuring online access to over 200 self-assessment questions from the book, downloadable flashcards, and revision notes With its straightforward approach to explaining the functions of the body, Physiology at a Glance provides medical, dental, health science and biomedical students with a thorough understanding of an often complex subject. This title is also available as a mobile App from MedHand Mobile Libraries. Buy it now from Google Play or the MedHand Store.

Child and Adolescent Psychiatry has been widely acclaimed since the publication of its first edition in 1997 (originally titled Child Psychiatry). Each chapter has been designed to present the key facts, concepts and emerging facets of the area, drawing on clinical experience as well as the latest research findings. These guiding principles are followed in the third edition, which has been updated to reflect the varied advances in research and clinical practice that inform the subject. Child and Adolescent Psychiatry is structured into four main parts: first, an introductory section on assessment, classification and epidemiology; second, a section covering each of the main specific disorders and presentations; third, a section on the major risk factors predisposing to child psychiatric disorders; and fourth, a section on the main methods of treatment, covering also prevention, service organization and interpersonal and family therapies as well as fostering and adoption. Spans child and adolescent psychiatry Includes many practical tips on successful assessment and treatment techniques Comprehensive coverage of topics, written in an accessible style by international experts in the field Up to date information on prevention issues Written in an accessible style, the book will be of benefit to all those working with children and adolescents with mental health problems: as an invaluable resource for trainee psychiatrists, paediatricians and general practitioners; as a textbook for undergraduate students in medicine, nursing and related fields; and as a refresher for active clinicians. Supported by a companion website featuring over 200 multiple choice questions and answers to assist those preparing for examinations, including MRCPsych.

Effective communication is the ultimate, but often daunting, purpose of any piece of medical research. Medical Writing: A Prescription for Clarity provides practical information enabling first drafts to be turned into clear, simple, unambiguous text, without loss of individuality. Written by a medical consultant and an experienced medical editor, it is sympathetic to the problems and needs of medical writers. Like the preceding two editions, this expanded third edition deals with the basic craft of writing for publication, from spelling and grammar to choosing the best word or phrase. Whether writing a simple clinical report or thesis, wanting to supervise others, or wanting just to develop greater skill in effective writing, this book is the ideal guide and reference. Clear, simple and precise, and illustrated with apt cartoons, this is an invaluable handbook.

2016 BMA Medical Book Awards Highly Commended in the Medicine Category! What causes that condition? What does it mean? Organised by body system, Mechanisms of Clinical Signs, 2nd Edition explains the underlying mechanism and value of the clinical signs you are expected to know, and the conditions they indicate. Each chapter contains descriptions of clinical signs, a list of the conditions they are associated with (what conditions the signs indicate), an explanation of the mechanism and the 'value' of those signs (how reliable they are as an indication of a condition). There is a uniform set of subheadings for each sign: Description Condition/s associated with Mechanism/s Sign value The explanations for the mechanisms underlying each sign are brief but accurate and informative, and provide sufficient information for the reader to understand the mechanism: Signs are ordered alphabetically within each chapter outlining a specific body system. Extensive reference lists of up-to-date literature strengthen the authority of the content. Video and audio content presents real life evaluation scenarios of clinical signs. Clinical Pearls highlight the main signs which students and trainees should look out for to help them identify conditions with which the patients present. A Student Consult eBook is available with the purchase of a print book, and provides access to a total of 200 multiple choice questions covering the 7 body systems, to test students and trainees' knowledge of the content. The eBook contains links to audio and video examples of particular signs which have to be heard or observed over a period of time in order to be identified correctly, e.g. Agonal respiration in Chapter 2 Respiratory Signs. New images are added to depict clinical signs where no images were present in the previous edition.

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MASTER MODERN MEDICINE! Introducing the Landmark Twentieth Edition of the Global Icon of Internal Medicine The definitive guide to internal medicine is more essential than ever with

the latest in disease mechanisms, updated clinical trial results and recommended guidelines, state-of-the art radiographic images, therapeutic approaches and specific treatments, hundreds of demonstrative full-color drawings, and practical clinical decision trees and algorithms A Doody's Core Title for 2019! Recognized by healthcare professionals worldwide as the leading authority on applied pathophysiology and clinical medicine, Harrison's Principles of Internal Medicine gives you the informational foundation you need to provide the best patient care possible. Essential for practice and education, the landmark 20th Edition features: Thoroughly revised content—covering the many new breakthroughs and advances in clinical medicine that have occurred since the last edition of Harrison's. Chapters on acute and chronic hepatitis, management of diabetes, immune-based therapies in cancer, multiple sclerosis, cardiovascular disease, HIV, and many more, deliver the very latest information on disease mechanisms, diagnostic options, and the specific treatment guidance you need to provide optimal patient care. State-of-the-art coverage of disease mechanisms: Harrison's focuses on pathophysiology with rigor, and with the goal of linking disease mechanisms to treatments. Improved understanding of how diseases develop and progress not only promotes better decision-making and higher value care, but also makes for fascinating reading and improved retention. Harrison's summarizes important new basic science developments, such as the role of mitochondria in programmed and necrotic cell death, the immune system's role in cancer development and treatment, the impact of telomere shortening in the aging and disease processes, and the role of the microbiome in health and disease. Understanding the role of inflammation in cardiovascular disease, the precise mechanisms of immune deficiency in HIV/AIDS, prions and misfolded proteins in neurodegenerative diseases, and obesity as a predisposition to diabetes are just a few examples of how this edition provides essential pathophysiology information for health professionals. All-new sections covering a wide range of new and emerging areas of vital interest to all healthcare professionals. New sections include: Sex and Gender-based Issues in Medicine; Obesity, Diabetes Mellitus, and Metabolic Syndrome; and Consultative Medicine— Plus, a new Part covering cutting-edge topics in research and clinical medicine includes great new chapters on the role of Epigenetics in Health and Disease, Behavioral Strategies to Improve Health, Genomics and Infectious Diseases, Emerging Neuro-Therapeutic Technologies, and Telomere Function in Health and Disease, and Network System Medicine. Important and timely new chapters—such as Promoting Good Health, LGBT Health, Systems of Healthcare, Approach to Medical Consultation, Pharmacogenomics, Antimicrobial Resistance, Worldwide Changes in Patterns of Infectious Diseases, Neuromyelitis Optica, and more—offer the very latest, definitive perspectives on must-know topics in medical education and practice. Updated clinical guidelines, expert opinions, and treatment approaches from renowned editors and authors contribute to the accuracy and immediacy of the text material and present a clear blueprint for optimizing patient

Basic Medical Endocrinology, Third Edition provides up-to-date coverage of rapidly unfolding advances in the understanding of hormones involved in regulating most aspects of bodily functions. The discussion focuses on molecular and cellular aspects of hormone production and action firmly rooted in the context of integrative physiology. Topics are approached from the perspective of a physiologist with four decades of teaching experience. This book is richly illustrated with both descriptive schematic diagrams and laboratory findings obtained in clinical studies. Each of the thirteen in-depth chapters starts with an 'Overview' of the topic and ends with a 'Suggested Reading' list. * Single authorship provides continuity and consistency between chapters * Richly illustrated with over 200 illustrations * IThirteen in-depth chapters incorporating the latest insights gleaned from rapidly expanding genetic studies of humans and rodents * Author has taught subject for over 40 years

Research on testosterone is increasing in many senses; however there is still much controversy regarding its physiology and clinical use. This book addresses these topics, providing a broad overview about testosterone, from its basic features to the most recent evidence of clinical applicability. Also, specific conditions in which testosterone play a pivotal role are discussed in detail, such as hypogonadism, misuse and abuse, puberty, cardiovascular effects and testosterone therapy. Although not essential for survival, testosterone represents the essence of male biological function, being the important testicular androgen in men. Low serum testosterone levels are associated with cardiovascular morbidity, metabolic syndrome, type 2 diabetes mellitus, atherosclerosis, osteoporosis, sarcopenia, and mortality. Conversely, increased serum levels of testosterone may lead to deleterious events. In general, there is increasing evidence that serum testosterone is a major biomarker status of men's health in general. Testosterone: From Basic to Clinical Aspects is an indispensable reference for all those who seek state-of-the-art knowledge regarding this hormone, from basic issues (including pharmacology and physiology) through clinical aspects (related diseases and supplementation therapy).

The medical use of marijuana is surrounded by a cloud of social, political, and religious controversy, which obscures the facts that should be considered in the debate. This book summarizes what we know about marijuana from evidence-based medicine--the harm it may do and the relief it may bring to patients. The book helps the reader understand not only what science has to say about medical marijuana but also the logic behind the scientific conclusions. Marijuana and Medicine addresses the science base and the therapeutic effects of marijuana use for medical conditions such as glaucoma and multiple sclerosis. It covers marijuana's mechanism of action, acute and chronic effects on health and behavior, potential adverse effects, efficacy of different delivery systems, analysis of the data about marijuana as a gateway drug, and the prospects for developing cannabinoid drugs. The book evaluates how well marijuana meets accepted standards for medicine and considers the conclusions of other blue-ribbon panels. Full of useful facts, this volume will be important to anyone interested in informed debate about the medical use of marijuana: advocates and opponents as well as policymakers, regulators, and health care providers.

This book on pediatric endocrinology covers interesting and yet often challenging cases among pediatric patients in a unique Question-Answer format. Simulating the bed-side case discussions during the ward rounds, one question logically leads to another, thereby generating curiosity and promoting evidence-based medicine. Taking the readers through the entire spectrum starting from etiology and pathophysiology to clinical presentation to management principles, each question addresses one key aspect of the disorder. Described in a very simple and lucid narrative, this book ensures sound conceptual understanding while covering each topic comprehensively. This volume covers important topics such as short stature, pubertal disorders, thyroid disorders, childhood Cushing syndrome, rickets and osteomalacia, disorder of sexual differentiation and diabetes in the young. Less common disorder such as multiple endocrine neoplasia has also been incorporated. These cases are not only seen by endocrinologists, but are also managed by paediatricians, internists, obstetricians and gynaecologists, orthopaedicians and surgeons.

This comprehensive volume is one of the first books to offer the reader detailed insight into sources of perinatal stem cells, their biology, and their potential for disease treatment. It examines

the research and therapeutic applications of perinatal stem cells including the treatment of renal disease, hematopoietic regeneration, cardiac disease, inflammatory disease, bone regeneration, pulmonary disease, and the treatment of spinal cord injury. Further, the book discusses current progress in the manufacturing, banking and clinical translation of perinatal stem cells. Through this book, readers will gain a thorough understanding of the current pre-clinical and clinical applications of perinatal stem cells as well as the efforts to support the transition of perinatal stem cell therapies from laboratories to clinics. Perinatal Stem Cells contains thirty-two chapters written by internationally recognized leaders in stem cell research. It is organized into four sections covering amniotic fluid stem cells, placental and placental membrane stem cells, umbilical cord stem cells, and clinical translation. This cohesive structure provides an effective framework for detailed insight into this new frontier. Edited by Dr. Anthony Atala, one of the foremost experts in the field, and his co-editor Dr. Sean V. Murphy, this volume is a definitive work for stem cell research and its future implications. It is a key resource for all stem cell researchers, clinicians, and government and industry staff working in this dynamic and exciting field. This book reviews recent trends and developments in the study of the impact that the environment has on human reproduction. It thoroughly examines these issues, using the most modern techniques and methods available, to analyze the manner in which both male and female fertility can be affected and assessed. Coverage examines such diverse factors as toxic environmental contaminants, air pollution, and exposure to medical drugs.

This third edition covers topics in physics as they apply to the life sciences, specifically medicine, physiology, nursing and other applied health fields. It includes many figures, examples and illustrative problems and appendices which provide convenient access to the most important concepts of mechanics, electricity, and optics.

One of the world's most widely read gynecology texts for nearly 50 years, Speroff's Clinical Gynecologic Endocrinology and Infertility provides a complete explanation of the female endocrine system and offers practical guidance for evaluation and treatment of common disorders. In this fully revised ninth edition, the editorial and author team from Yale School of Medicine have assumed the reins of Dr. Speroff's landmark work, retaining the clear, concise writing style and illustrations that clarify and explain complex concepts. This classic text remains indispensable for students, residents, and clinicians working in reproductive endocrinology and infertility, bringing readers up to date with recent advances that have occurred in this fast-changing field.

Goodman's Basic Medical Endocrinology, Fifth Edition, has been student tested and approved for decades. This essential textbook provides up-to-date coverage of rapidly unfolding advances in the understanding of hormones involved in regulating most aspects of bodily functions. It is richly illustrated in full color with both descriptive schematic diagrams and laboratory findings obtained in clinical studies. This is a classic reference for moving forward into advanced study. Clinical case studies in every chapter E-book version available with every copy for obtaining images and tables for lectures or notes Clinicians added as co-authors to enhance usefulness by physicians and medical students and residents Detailed molecular biology of hormones and hormone action for graduate and advanced undergraduate students Expanded and updated color images emphasizing hormone action at the molecular level In-depth molecular biology and clinical sections boxed for ease of access

This is an integrated textbook on the endocrine system, covering the anatomy, physiology and biochemistry of the system, all presented in a clinically relevant context appropriate for the first two years of the medical student course. One of the seven volumes in the Systems of the Body series. Concise text covers the core anatomy, physiology and biochemistry in an integrated manner as required by system- and problem-based medical courses. The basic science is presented in the clinical context in a way appropriate for the early part of the medical course. There is a linked website providing self-assessment material ideal for examination preparation.

Commended in the Endocrinology category of the 2008 BMA Medical Book Competition The Handbook of Clinical Pediatric Endocrinology provides an up-to-date clinical guide presenting best (and, where possible, evidence-based) practice in the diagnosis, treatment and management of pediatric endocrine disorders. It is a companion title to Brook's Clinical Pediatric Endocrinology, which is well established as the leading international work of reference in the field of pediatric endocrinology, covering endocrine disorders, their diagnosis and treatment.

Maintaining the original goal of the first edition to integrate the basic science of endocrinology with its physiological and clinical principles, this new edition succinctly summarizes in 450 pages the latest findings on hormone secretion and hormone action, as well as all the most recent insights into the physiology and pathophysiology of hormonal disorders. Coverage extends across the entire spectrum of endocrinology-from mammalian cells, plants, and insects to animal models and human diseases-with much increased coverage of diabetes and metabolism. Highlights include cutting-edge discussions of appetite disorders, obesity, reproductive failure, control of thyroid function, hormone action in man and the lower species, and the mechanisms subserving hormone secretion.

This textbook has been written primarily for undergraduate students of pharmacy, toxicology, and medicine who require a concise reference book on basic endocrine function and dysfunction.

A comprehensive, cutting-edge review of the complex interactions between maternal and fetal-placental tissues that control the establishment and maintenance of pregnancy, the proper development of the fetus, the birth process, and the behavioral aspects of bonding between mother and newborn. Expert researchers review the endocrine and physiological events that culminate in the delivery of offspring, and provide a solid base of comparative information on the menstrual cycle of primates, including humans. They also discuss the sources and functions of both steroid and protein hormones from the placenta and the details of their effects on uterine function, placental development, fetal growth and well-being, and maternal responses to pregnancy. This book will become the standard reference source not only for reproductive scientists, but also for those clinicians who want better to understand the complex factors that affect pregnancy-and their pregnant patients.

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. The principles of endocrinology and metabolism clearly and simply explained on a system-by-system, organ-by-organ basis ESSENTIAL FOR USMLE® STEP 1 REVIEW! A Doody's Core Title for 2020! Applauded by medical students for its clarity, comprehensiveness, and portability, Endocrine Physiology, Fifth Edition delivers unmatched coverage of the fundamental concepts of hormone biological actions. These concepts provide a solid foundation for first-and-second year medical students to understand the physiologic mechanisms involved in neuroendocrine regulation of organ function. With its emphasis on must-know principles, Endocrine Physiology is essential for residents and fellows, and is the single-best endocrine review available for the USMLE® Step 1. Here's why this is essential for USMLE® Step 1 review:

- Informative first chapter describes the organization of the endocrine system, as well as general concepts of hormone production and release, transport and metabolic rate, and cellular mechanisms of action
 - Boxed case studies help you apply principles to real-world clinical situations
 - Each chapter includes bulleted Objectives, Key Concepts, Study Questions, Suggested Readings, and diagrams encapsulating key concepts
- If you've been looking for a student-tested, basic yet comprehensive review of endocrinology and metabolism, your search ends here.

This valuable new addition to the Encyclopaedia of Sports Medicine series provides a comprehensive and logical look at the principles and mechanisms of endocrinology as related to sports and exercise. It looks at growth hormone factors involved in exercise and the endocrinology of sport competition. It considers various factors and stresses on the body that may alter sporting performance. It covers topics from the acute responses and chronic adaptations of the human endocrine system to the muscular activity involved in

conditioning exercise, physical labor, and sport activities. This book is an essential reference for helping to plan better programs of physical fitness, to prepare for sports competitions, and to manage the medical care of athletes.

Basic Medical Endocrinology, Fourth Edition provides up-to-date coverage of rapidly unfolding advances in the understanding of hormones involved in regulating most aspects of bodily functions. The discussion focuses on molecular and cellular aspects of hormone production and action firmly rooted in the context of integrative physiology. Topics are approached from the perspective of a physiologist with over 40 years of teaching experience. This fourth edition is richly illustrated in full color with both descriptive schematic diagrams and laboratory findings obtained in clinical studies. Each of the fourteen chapters starts with an 'Overview' of the topic and ends with a 'Suggested Reading' list. Initial chapters lay a foundation by presenting basic information and principles of hormone structure, secretion, and actions, and the physiological roles of the principal endocrine glands. Subsequent chapters address the role of the endocrine system in solving such physiological problems as the regulation of the volume and composition of body fluids in the face of changing environmental demands, and the regulation of short and longterm energy balance. The final chapters deal with the indispensable role of hormones in growth, development and reproduction. * Strikes an excellent balance between systems/organismal level of overview and cellular/molecular analysis * Richly illustrated with over 250 full color figures, descriptive schematic diagrams, and laboratory findings * All chapters have been thoroughly rewritten and updated, including new discussions of adrenal steroid biosynthesis, the parathyroid in osteoporosis, obesity and metabolism, as well as an entirely new chapter on gastrointestinal hormones * Editor has 45 years of experience teaching endocrinology and physiology to medical students at Harvard and UMass

Perspectives on race today Featuring new and engaging essays by noted anthropologists and illustrated with full color photos, RACE: Are We So Different? is an accessible and fascinating look at the idea of race, demonstrating how current scientific understanding is often inconsistent with popular notions of race. Taken from the popular national public education project and museum exhibition, it explores the contemporary experience of race and racism in the United States and the often-invisible ways race and racism have influenced laws, customs, and social institutions.

Now in its fifth edition, the Textbook of Diabetes has established itself as the modern, well-illustrated, international guide to diabetes. Sensibly organized and easy to navigate, with exceptional illustrations, the Textbook hosts an unrivalled blend of clinical and scientific content. Highly-experienced editors from across the globe assemble an outstanding set of international contributors who provide insight on new developments in diabetes care and information on the latest treatment modalities used around the world. The fifth edition features an array of brand new chapters, on topics including: Ischaemic Heart Disease Glucagon in Islet Regulation Microbiome and Diabetes Diabetes and Non-Alcoholic Fatty Liver Disease Diabetes and Cancer End of Life Care in Diabetes as well as a new section on Psychosocial aspects of diabetes. In addition, all existing chapters are fully revised with the very latest developments, including the most recent guidelines from the ADA, EASD, DUK and NICE. Includes free access to the Wiley Digital Edition providing search across the book, the full reference list with web links, illustrations and photographs, and post-publication updates Via the companion website, readers can access a host of additional online materials such as: 200 interactive MCQ's to allow readers to self-assess their clinical knowledge every figure from the book, available to download into presentations fully searchable chapter pdfs Once again, Textbook of Diabetes provides endocrinologists and diabetologists with a fresh, comprehensive and multi-media clinical resource to consult time and time again.

Core Topics in Endocrinology in Anesthesia and Critical Care provides a comprehensive, practical overview of the perioperative management of patients with endocrine disorders, giving clear diagnostic advice and management guidelines. This book considers the management of patients with endocrine disorders of the pituitary, thyroid, parathyroid and adrenal glands, including rarer disorders such as MEN syndrome. It then considers all aspects of the perioperative management of diabetic patients, including paediatric, obstetric and ambulatory patients. Finally it discusses endocrine disorders in the critically ill patient, covering such issues as the topical conundrum of glucose control and the management of diabetic metabolic acidosis, thyroid storm and myxoedema coma. Every chapter reviews the relevant anatomy and pathophysiology and the latest developments in defining the genetic causes are also considered where appropriate. Core Topics in Endocrinology in Anesthesia and Critical Care is an invaluable tool for all anaesthetists and intensivists in their daily clinical practice.

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