Diabetes Chronic Complications 3rd Edition

Online Library Diabetes Chronic Complications 3rd Edition


Now in its Fourth Edition, this Spiral® Manual presents clinical information and protocols in outline format for evaluation and treatment of most endocrine disorders in children, adolescents, and adults. This thoroughly updated edition includes an introduction to risk assessment and screening and results of recent clinical trials and their implications for treatment and prevention. Also included are summaries of recent guidelines from the Endocrine Society and the American Academy of Clinical Endocrinology for prevention and management of many endocrine disorders including diabetes, growth hormone deficiency, dysmetabolic syndrome, dyslipidemia, and obesity. New chapters focus on comorbidities of Type II diabetes mellitus in children and use of growth hormone in adults.

The fun and easy way to eat a well-balanced diabetic diet Want to create healthy meals that are diabetic friendly? This revised and updated third edition of Diabetes Cookbook For Dummies shows you how easy it can be to manage diabetes through diet, including the latest information on diabetes testing, monitoring, and maintenance, as well as delicious new recipes and nutritional information. This edition also includes a new section that focuses on vegetarian dishes and a new chapter on encouraging a Type 1 diabetic child to eat properly. Features changes in fat, carbohydrate and protein recommendations that parallel the recommendations of the American Diabetes Association regarding meal plans Includes new ideas about restaurant eating, including new menu items at fast food locations as well as revised tips on food shopping and setting up the diabetic kitchen Offers 100+ new and revised diabetic recipes Complete with...
ways to involve children in meal planning and preparation, Diabetes Cookbook For Dummies will help you improve your diet and your health! In December, 1966, two patients dying of months after the transplants had been per uremia as a result of diabetic kidney disease formed. This was long enough, however, to were offered a small chance of survival. Ac establish unequivocally in both patients cording to the thinking of the time, it was that an endocrine organ, the pancreas, could inappropriate-and perhaps even unethical function normally and for many days as a to offer them either chronic hemodialysis or human-to-human graft. The patients had kidney transplantation. These were considered become normoglycemic independent of insulin a waste of effort because it was believed that injections. scarce medical resources should not be spent The possible long-term benefits of restoring on patients, uremic or not, whose chances of insulin function were hotly argued then, and surviving for more than a few months were they have not been fully determined 20 years thought to be very small. Reduced to its later. It seems to me now, however, that the essence, the idea was that diabetic patients basic premise is sounder than I realized in were terrible risks and would remain so even if 1966: if one could restore an effective, norm the uremia were corrected. This bestselling textbook will introduce undergraduate bioengineering students to the fundamental concepts and techniques, with the basic theme of integrative bioengineering. It covers bioengineering of several body systems, organs, tissues, and cells, integrating physiology at these levels with engineering concepts and approaches; novel developments in tissue engineering, regenerative medicine, nanoscience and nanotechnology; state-of-the-art knowledge in systems biology and bioinformatics; and socio-economic aspects of bioengineering. One of the distinctive features of the book is that it is integrative in nature (integration of biology, medicine and engineering, across different levels of the biological hierarchy, and basic knowledge with applications). It is unique in that it covers fundamental aspects of bioengineering, cutting-edge frontiers, and practical applications, as well as perspectives of bioengineering development. Furthermore, it covers important socio-economical aspects of bioengineering such as ethics and entrepreneurism. This book provides up to date knowledge on diabetes in children and adolescents, with particular emphasis on Type 1 diabetes, which is the most common form of the disease seen in children. It is caused by the inability of the pancreas to produce insulin. Beginning with an introduction to the epidemiology, diagnosis and classification of diabetes, the following chapters describe the different types of diabetes. Each of the following sections discusses the treatment and management of diabetes and its related disorders. A separate chapter is dedicated to transplantation and emerging treatments. Key points Concise guide to diagnosis and management of diabetes in children and adolescents Emphasis on Type 1 diabetes Easy to read, step by step format Separate chapter dedicated to transplantation and emerging treatments Now in its thoroughly revised, updated Seventh Edition, this Spiral® Manual provides practical, easily accessible information on management of the pregnant patient. Major sections cover obstetric care, obstetric complications, maternal complications, fetal assessment, fetal complications, and neonatal care. This edition's chapters have a new consistent outline
structure, more tables, and more figures. Coverage includes a new chapter on obstetric anesthesia and new information on drugs for cardiovascular, neurologic, and endocrine conditions, including oral agents for gestational diabetes. The chapter on genetic counseling has been completely rewritten. This edition also addresses controversies regarding surgical births and vaginal birth after cesarean (VBAC). The first edition of this book gained recognition as the definitive textbook of diabetes epidemiology. The second edition builds on this success, gathering recent information on international trends and data for diabetes mellitus. In particular, the book highlights the dramatic rise of Type 2 diabetes in children, adolescents and the elderly throughout the world. One new section features prevention and screening of both Type 1 and Type 2 diabetes. Other new chapters cover the epidemiology of obesity and the impact of nutrition, and review available guidelines for better worldwide glycemic control. Future challenges, including the effects of antipsychotic treatment and HIV infection and therapy on diabetes, are also addressed. All chapters have been completely revised and updated, covering: definitions, classification and risk factors for diabetes new evidence for screening and prevention of Type 1 and Type 2 diabetes epidemiology of complications and associated risk factors economic aspects: the direct and indirect costs of diabetes. The Epidemiology of Diabetes Mellitus fills the need for a current compendium of diabetes epidemiology in the tradition of the first monumental text of the late Kelly West. It is essential reading for general practitioners, diabetologists, clinical endocrinologists, cardiologists, epidemiologists, nurses, dieticians, and other diabetes care providers, as well as health care decision makers. This issue of Endocrinology Clinics brings the reader up to date on the important advances in research surrounding acute diabetic complications. Guest edited by Leonid Poretsky and Eliana Liao, the topics covered include retinopathy, neuropathy, gastrointestinal complications, diabetic foot, dental complications, dermatologic complications, and more. Featuring brilliant art, engaging new case studies, and dynamic new teaching and learning resources, this 9th edition of Porth’s Pathophysiology: Concepts of Altered Health States is captivating, accessible, and student-friendly while retaining the comprehensive, nursing-focused coverage that has made it a market leader. The book’s unique emphasis on “concepts” of altered health states, as opposed to factual descriptions of diseases and disorders, helps students grasp both the physical and psychological aspects of altered health. Drawing on the expertise of new co-author Sheila Grossman, the Ninth Edition maintains its comprehensive depth, while paring down content where appropriate and replacing descriptive content with striking art. (Approximately 600 illustrations are new or have been re-rendered in a consistent modern style.) Also new to this edition are advanced 3D narrated animations that address the most clinically relevant and difficult to understand disorders, engaging unit-opening case studies that reinforce critical thinking and set the tone for the content to come, and a wide range of built-in study tools. Now, for the first time, Porth’s Pathophysiology is supported by PrepU, an adaptive learning system that help students learn more, while giving instructors the data they need to monitor each student’s progress, strengths, and weaknesses. Cardiovascular, respiratory, and related...
conditions cause more than 40 percent of all deaths globally, and their substantial burden is rising, particularly in low- and middle-income countries (LMICs). Their burden extends well beyond health effects to include significant economic and societal consequences. Most of these conditions are related, share risk factors, and have common control measures at the clinical, population, and policy levels. Lives can be extended and improved when these diseases are prevented, detected, and managed. This volume summarizes current knowledge and presents evidence-based interventions that are effective, cost-effective, and scalable in LMICs. 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. After a decade or longer, approximately one-third of individuals with either type 1 or type 2 diabetes commence a downhill course in which decreasing renal function and failing vision define a Renal-Retinal Syndrome, dominating all aspects of life and presaging early death. Only a generation ago, survival after onset of end-stage renal disease (ESRD) in diabetes was limited because rehabilitation was preempted by blindness, limb amputation, stroke, and heart disease. By 1998, however, team management has improved the outlook, with preserved sight and return to work and home responsibilities, usually for a decade or longer, following kidney transplantation and laser photocoagulation. Recognition of the critical requirement for blood pressure regulation and metabolic control are central themes in management. In this unique book, the accomplishments of ophthalmologists, nephrologists, diabetologists, transplant surgeons, and basic scientists are blended into a strategic approach that may be readily applied by all those caring for diabetic patients. Each of twenty-one presentations suitable for primary care physicians, as well as for subspecialists concerned with macrovascular and microvascular complications of diabetes, is placed in perspective by an introductory editorial analysis. Promising near-term innovative
therapies, including insertion of genetically engineered beta cells or polymer-coated islets of Langerhans, interdiction of kinins that promote retinal angiogenesis, and prevention of synthesis of advanced glycosylated endproducts (AGEs), are presented in detail. While comprehensive care of diabetic patients reflects multiple incremental advances that in sum afford major benefit, this text envisions further remarkable changes likely to suppress and possibly entirely prevent the Diabetic Renal-Retinal Syndrome.

Diabetes Mellitus and Oral Health: An Interprofessional Approach is a practical tool for dentists and dental hygienists providing oral health care to patients with diabetes mellitus. Firmly grounded in the latest evidence, the book addresses medical considerations, dental considerations, and case scenarios from clinical practice in three easily accessible sections. The first section on medical considerations reviews the definition of diabetes and discusses underlying pathologic mechanisms, classification, diagnosis, and medical complications of the disease. It also promotes the comprehensive management of patients with diabetes in the dental office, with a thorough discussion of lifestyle changes and medications used to treat diabetes. The second section on dental considerations provides guidance on how to treat patients with diabetes. Oral complications will be covered in detail, with a focus on management and treatment strategies that can be used in the dental office. The third section includes multiple case studies illustrating common complications and how-to instruction on appropriate patient management. Ideal for all members of the dental team, Diabetes Mellitus and Oral Health is an essential tool for providing optimal clinical care to patients with diabetes. "Frontiers in Cardiovascular Drug Discovery" is an Ebook series devoted to publishing the latest and the most important advances in Cardiovascular drug design and discovery. Eminent scientists write contributions on all areas of rational drug design and discovery. The straight facts on treating diabetes successfully With diabetes now considered pandemic throughout the world, there have been enormous advances in the field. Now significantly revised and updated, this new edition of Diabetes For Dummies includes the latest information on diabetes medications and monitoring equipment, new findings about treating diabetes in the young and elderly, new ways to diagnose and treat long- and short-term complications, updated nutritional guidelines, new tools for measuring blood sugar and delivering insulin to the body, and much more. There's no question that the burden of diabetes is increasing globally: it's estimated that 387 million people worldwide are living with diabetes, and that staggering number is expected to increase an additional 205 million+ by 2035. If you or a loved one is part of this overwhelming statistic, you can take comfort in the sensitive and authoritative information provided in this hands-on guide. From monitoring and maintaining your glucose to understanding the importance of exercising and eating right—and everything in between—Diabetes For Dummies takes the guesswork out of living with diabetes and empowers you to take control and keep your life on a healthy track. Reduce your risk of diabetes complications Discover the latest and the tried-and-true options for monitoring blood sugar Get up to speed on the various diabetes medications and lifestyle strategies Improve diabetes control and overall health If you're one of the millions
of diabetics or pre-diabetics in search of an accessible and up-to-date resource to help you manage this disease, Diabetes For Dummies is the trusted guide you'll turn to again and again. Now thoroughly updated, this resource offers practical, evidence-based guidelines for the care of hospitalized patients. The only book geared directly and exclusively to inpatient management, this guide is edited by national leaders in the hospital field. Why make diabetes harder than it has to be? 50 Things You Need to Know About Diabetes explains what you need to know about diabetes care, eating right, and staying healthy. It cuts through the confusion, jargon, and conflicting information with lighthearted, simple advice on eating right, exercising, and staying healthy. In The Diabetic Foot: Medical and Surgical Management, 3rd Edition, a distinguished panel of clinicians provides a thorough update of the significant improvements in knowledge surrounding the pathogenesis of diabetic foot problems, as well as the optimal healthcare treatment for this debilitating condition. The authors, many practicing at the famous Joslin-Beth Israel Deaconess Foot Center, again illuminate the successful new multidisciplinary approach now clearly required for the successful treatment of diabetic foot. Drawing on the experiences of diabetologists, podiatrists, vascular surgeons, infectious disease specialists, orthotists, plastic and orthopedic surgeons, this invaluable third edition, so timely given the continued rise of diabetes and its complications, clearly describes established techniques known to be effective. This updated edition blends new knowledge with the time-tested principles of diabetic foot management and will be of significant value to all physicians and researchers with an interest in a state-of-the-art understanding of diabetic foot. The third edition of Clinical Care of the Diabetic Foot has been fully revised and updated, and it will continue to be the essential handbook on foot care and the treatment of the diabetic foot. The diabetic foot is typically the victim of nerve damage, micro- and macrovascular disease and faulty healing, mechanisms that without proper care can lead to amputation. More than 80,000 diabetes-related amputations are performed in the United States each year, but non-specialist primary care providers, as well as residents, nurses, and diabetes educators, can help prevent this devastating, life-altering, and expensive complication. Healthcare professionals and medical students alike will find that this concise, well-indexed, and updated guide offers practical advice on detecting and managing diabetes-related foot complications. The third edition of the Complete Nurse's Guide to Diabetes Care is a comprehensive resource for all nurses who work with diabetes patients. Inside, readers will find expert advice on: The evolution of the nurse's roles in diabetes care and education Recent research on complications and associated diseases Practical issues, such as the effects of anxiety, depression, and polypharmacy Updated guidelines for nutrition therapy and physical activity How diabetes affects women, children, and the elderly An extensive resources section featuring contact information for useful organizations and essential patient care. The Complete Nurses Guide to Diabetes Care, 3rd Edition, gives nurses the tools they need to give quality care to the person with diabetes. Nutrition therapy is an essential component of effective diabetes management. Healthcare providers need to stay current on new developments in nutrition therapy and specific
interventions for a wide range of patient populations and special circumstances in order to provide the best possible outcomes for their patients. Revised and updated to incorporate the latest research and evidence-based guidelines, the third edition of the American Diabetes Association Guide to Nutrition Therapy for Diabetes is a comprehensive resource for the successful implementation of nutrition therapy for people with diabetes. Topics covered include: • Macronutrients and micronutrients • Nutrition therapy for pregnant women, youth, older adults, and people with prediabetes • Nutrition therapy for hospitalized and long-term care patients • Celiac disease, eating disorders, and diabetes complications • Cost-effectiveness of nutrition therapy, health literacy and numeracy, and community-based diabetes prevention programsThis book lays out the principles of general pathology for biomedical researchers, grad students, medical students, and physicians, with elegance and deep insight. Disease processes are explained in the light of malfunctions at the cellular level, offering a rich understanding of the clinical correlates of all aspects of fundamental cellular physiology and basic biomedicine. The book has been fully revised and updated to present a current but deep understanding of disease states at the cell and tissue levels - cellular pathology, inflammation, immunopathology vascular disturbance, and tumor biology.This edition of Diabetes: Chronic Complications provides both the experienced and trainee endocrinologist with easy-to-read, up-to-date practical guidance on the management of the many complications that can result from the onset of diabetes, such as kidney failure, cardiovascular disease, retinal failure, and cerebrovascular disease. Reflecting the rapid developments currently taking place in the field, the second edition introduces a brand-new section on liver complications in diabetes, additional material on mental health complications in the section on diabetes and the brain, coverage of dyslipidaemia and hypertension in the section on diabetes and the heart, five MCQ's in each section to help improve clinical skills, and a case study and key points summary box in every chapter.In biological systems, the normal processes of oxidation (plus a minor contribution from ionising radiation) produce highly reactive free radicals. These can readily react with and damage other molecules. In some cases the body uses free radicals to destroy foreign or unwanted objects, such as in an infection. However, in the wrong place, the body's own cells may become damaged. Should the damage occur to DNA, the result could be cancer. Antioxidants decrease the damage done to cells by reducing oxidants before they can damage the cell.Virtually all studies of mammals have concluded that a restricted calorie diet extends the lifespan of mammals by as much as 100 percent. This remarkable finding suggests that food is actually more damaging than smoking. As food produces free radicals (oxidants) when metabolised, antioxidant-rich diets are thought to stave off the effects of ageing significantly better than diets lacking in antioxidants. The reduced levels of free radicals, resulting from a reduction in their production by metabolism, is thought to be a major cause of the success of caloric restriction in increasing life span. Antioxidants consist of a group of vitamins including vitCommunity Medicine Preparatory Manual for Undergraduates, 3rd Edition - E-BookWritten by Leah Hechtman, Clinical Naturopathic Medicine is a foundation clinical text integrating the
holistic traditional principles of naturopathic philosophy with the scientific rigour of evidence-based medicine (EBM) to support contemporary practices and principles. The text addresses all systems of the body and their related common conditions, with clear, accessible directions outlining how a practitioner can understand health from a naturopathic medicine and apply naturopathic medicines to treat patients individually. These treatments include herbal medicine, nutritional medicine and lifestyle recommendations. All chapters are structured by system and then by condition, so readers are easily able to navigate the content by chapter and heading structure. Systematic text structure to support reader engagement Integrative naturopathic treatments for all conditions and systems Detailed and extensively referenced interaction tables for nutritional (supplemental and dietary) and herbal medicines, plus pharmaceutical medications Skilfully bridges foundational traditional principles and practice of naturopathy with evidenced-based medicine to assist readers with their integration into the current healthcare system New chapters - Diagnostics, Case taking and treatment and Nutritional medicine (Dietary) Rigorously researched with over 10,000 references from the latest scientific papers and historical texts Every section, chapter, system and condition has been expanded and updated to the latest recommendationsDiabetes is a complex disease--but learning about it shouldn't be! A Type 2 diabetes diagnosis can be daunting, but it is also manageable. With this all-in-one guide, you will get expert advice on establishing a healthier lifestyle and getting control of your diabetes. The Everything Guide to Managing Type 2 Diabetes provides easy-to-follow advice on all aspects of living with diabetes, and helps you: Recognize the symptoms of prediabetes and diabetes Monitor your blood glucose levels Learn about the types of insulin and insulin-delivery systems Understand the importance of nutrition and exercise Reduce the short- and long-term effects of diabetes Filled with reliable advice and the latest information on medication, therapies, blood sugar monitoring, and more, this invaluable guide shows you how to take control of your diabetes and enjoy your life!Intended for diabetes researchers and medical professionals who work closely with patients with diabetes, this newly updated and expanded edition provides new perspectives and direct insight into the causes and consequences of this serious medical condition from one of the foremost experts in the field. Using the latest scientific and medical developments and trends, readers will learn how to identify, prevent, and treat this challenging phenomenon within the parameters of the diabetes care regimen.Hypoglycaemia, leading to confusion and impaired consciousness, is one of the most feared complications of diabetes. Hypoglycaemia in Clinical Diabetes, Second Edition explains the situations in which it arises and how to manage patients to minimize its occurrence. Fully revised and updated, the Second Edition of this practical book addresses all aspects of the clinical management of hypoglycaemia. Features new chapters on hypoglycaemia in Type 2 diabetes, the elderly and nocturnal occurrence, as well as prevention and blood glucose monitoring for detection of hypoglycaemia Edited by two diabetologists with strong international reputations who have made significant contributions to our understanding of hypoglycaemia Hypoglycaemia in Clinical Diabetes, Second Edition is an invaluable
reference source for professionals caring for people with diabetes. The book is relevant for all clinicians who treat type 1 diabetes or type 2 diabetes. Praise for the First Edition: "I can strongly recommend this excellent book to all clinicians managing care for diabetic persons in everyday practice." DIABETOLOGIA "is extremely comprehensive, well written highly recommended for those practising clinical diabetes." BRITISH JOURNAL OF CARDIOLOGY "A fascinating book; essential reading for those who feel they need a greater understanding of the subject." DIETETICS TODAYOf all the complications which arise from diabetes, cardiovascular complications are by far the most prevalent and the most deadly. Authored by some of the world's leading names in this area, this outstanding book provides all those managing diabetic patients with clinical, practical and succinct guidance to the diagnosis and management of cardiovascular complications in diabetes. With a joint endocrinology and cardiology focus, and with the very latest in clinical guidelines from the ADA, EASD, AHA, ASC and ESC, selected highlights include: The role of new biomarkers of cardiovascular disease in diabetes The latest on diagnosis of cardiovascular problems via vascular imaging Hypertension and cardiovascular disease in the diabetic patient Dyslipidaemia and its management in type 2 diabetes Management of thrombosis, acute coronary syndrome and peripheral arterial disease in diabetes Key points, case studies and self-assessment questions allow for rapid-reference, quick understanding of all topics, thus ensuring that this is perfect reading for endocrinologists, diabetes specialists and cardiologists of all levels managing patients with diabetes and associated cardiovascular problems.Content revised, updated, and adapted to suit the South Asian curricula A new chapter added on Geriatric Nursing, in line with the curriculum prescribed by the Indian Nursing Council Statistics, health programs, and nursing practice guidelines updated for regional adaptation Review questions added to all the units within the book Digital resources available on MedEnact: Instructor Resources 1. Image collection 2. Instructor’s manual 3. PowerPoint presentations Student Resources 1. Case studies 2. Critical thinking questions 3. Guides to clinical pathways 4. Client education guidesDiabetes: Oxidative Stress and Dietary Antioxidants, Second Edition, builds on the success of the first edition, covering updated research on the science of oxidative stress in diabetes and the potentially therapeutic usage of natural antioxidants in the diet and food matrix. The processes within the science of oxidative stress are not described in isolation, but rather in concert with other processes, such as apoptosis, cell signaling and receptor mediated responses. This approach recognizes that diseases are often multifactorial and oxidative stress is a single component of this. Since the publication of the first edition, the science of oxidative stress and free radical biology continues to rapidly advance with thousands of the research articles on the topic. New sections in this update cover the role of dietary advanced glycation end products (AGEs) in causing OS in diabetes, oxidative stress and diabetes-induced bone metabolism, and oxidative stress and diabetic foot ulcer. Saves clinicians and researchers time in quickly accessing the very latest details on a broad range of diabetes and oxidation issues Combines the science of oxidative stress and the putative therapeutic usage of natural antioxidants in the diet, its food
matrix or plant Includes preclinical, clinical and population studies to help endocrinologists, diabetologists, nutritionists, dieticians and clinicians map out key areas for research and further clinical recommendationsWith this guide, librarians can deepen their understanding and collections, and thus improve service to the growing number of patrons affected by, at-risk for, or curious about this pervasive disease.

Recognition and understanding of the special nutrition problems of the aged is changing along with the growing number of the elderly in the general population. In the eight years since the first edition of the Handbook of Nutrition in the Aged was originally published, both economic changes and health issues have contributed to the decreasing nutritio

Newly updated, Complete Nurse’s Guide to Diabetes Care, second edition, is the essential reference for nurses who work with diabetes patients. Get the latest details on the pertinent aspects of diabetes care and newest research, including diabetes complications, care and management approaches, and other diseases that affect the treatment of diabetes. This revised edition also features: A new chapter on patients with cancer and diabetesExtensive, updated resourcesUpdated treatment regimensThe latest in diabetes research Color photos and detailed tables in the guide provide excellent visual tools for nurses who want to provide the best diabetes care.

This edition of Diabetes: Chronic Complications provides both the experienced and trainee endocrinologist with easy-to-read, up-to-date practical guidance on the management of the many complications that can result from the onset of diabetes, such as kidney failure, cardiovascular disease, retinal failure, and cerebrovascular disease. Reflecting the rapid developments currently taking place in the field, the second edition introduces a brand-new section on liver complications in diabetes, additional material on mental health complications in the section on diabetes and the brain, coverage of dyslipidaemia and hypertension in the section on diabetes and the heart, five MCQ's in each section to help improve clinical skills, and a case study and key points summary box in every chapter.

This book is a guide to the diagnosis and management of diabetes in children. Beginning with an overview of the disease and the effect of Type 1 diabetes on the growth and development of children, the next chapter explains clinical examination and laboratory investigations. The following sections provide in depth discussion on pharmacological and non-pharmacological management techniques, and acute and chronic complications. The book concludes with the treatment of diabetes in special cases such as in neonates and infants, and a final section cover miscellaneous topics including genetics of Type 1 diabetes, and educational material for patients and their parents. This comprehensive text has been written in association with the Changing Diabetes® in Children (CDiC) program, providing care and life-saving medication for children with Type 1 diabetes in low and middle-income countries. Key points Comprehensive guide to the diagnosis and management of diabetes in children Covers both pharmacological and non-pharmacological treatment methods Includes discussion on special cases such as diabetes in neonates and infants Written in association with the CDiC program