As type 2 diabetes continues its rise in prevalence worldwide, there is an increasing need to study it and describe successful treatments. There are several options for treatment, including oral medications, diet and lifestyle modification, and insulin therapy. Knowing which method to select and how to apply it relies on several clinical factors affecting adherence, quality of life, and well-being and complications. Medical Management of Type 1 Diabetes is an essential addition to any clinician’s library for the treatment and understanding of type 1 diabetes.

Medical Management of Type 1 Diabetes - Kaufman, R. - 2012-05-29

Type 1 diabetes, formerly known as juvenile diabetes, is a complex disorder that requires a great deal of patient-guided self-care. In recent years, advances in diabetes treatment have dramatically shifted potential outcomes in the favor of the patient with diabetes. The challenge for health care professionals is to realize this potential through an individualized, flexible, and responsive treatment plan for patients with type 1 diabetes. Now in its seventh edition, Medical Management of Type 1 Diabetes offers health care providers the newest information and guidelines for the treatment of type 1 diabetes. Built on the foundation of multiple daily insulin injections and insulin pump therapy, this book guides health care providers in helping their patients continually strive for optimal blood glucose control. This new edition focuses on the latest molecular advances, new treatment methods, recent clinical trials, and the American Diabetes Association’s Standards of Care. Key topics also include new insulins and administration protocols, advanced carbohydrate counting, and emphasis on continuing patient education. Individual sections address all of the topics in line with the American Diabetes Association’s Standards of Care. Now in its sixth edition, Medical Management of Type 1 Diabetes is an essential addition to any clinician’s library for the treatment and understanding of type 1 diabetes.

Medical Management of Type 1 Diabetes - Kaufman, R. - 2012-06-05

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Medical Management of Type-1 Diabetes

The American Diabetes Association (ADA) Type 1 Diabetes Sourcebook - Anne L. Peters - 2013-03-29

This guide covers the latest research on diabetes medication and technology with insulin-pump therapy, insulin secretagogues, incretin mimetics, and medications for obesity, as well as advances in diabetes prevention. Family care topics include diabetes in pregnancy, diabetes and obesity in children, and nutrition management in the diabetes population. In addition, a Managing Editor was brought on to help the authors write and focus their chapters.

Mayo Clinic Essential Diabetes Book - Mayo Clinic - 2009-03-30

Provides practical advice to help successfully manage diabetes and reduce the risk of serious complications, discussing monitoring blood sugar, developing an eating plan, achieving a healthy weight, and diabetes treatment.

Hypoglycemia in Diabetes - Philip Cypel - 2014-07-07

Written for endocrinologists, diabetes care 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 medical developments and trends, readers will learn how to identify, prevent, and treat this challenging phenomenon within the parameters of the diabetes care regim

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Medical Management of Pregnancy Complicated by Diabetes - Erika Bomer - 2019-07-18

Pregnancy complicated by diabetes is a medical challenge that can be minimized through a program of expert protocols and patient partnerships. This newly revised edition presents a complete package of protocols that can help provide healthy infants in pregnancies complicated by type 1, type 2, and gestational diabetes. Topics include pregnancy, nutrition, assessment, and management - Intracranial hypertension in diabetes and preterm delivery - Management of preterm delivery - Medical therapy for diabetes during pregnancy - Gestational diabetes - Hypertension and gestational diabetes - Fetal surveillance - Use of insulin in pregnancy and assessment of glycosylated hemoglobin - Postpartum concerns for women with diabetes

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Therapy for Diabetes Mellitus and Related Disorders - Guillermo Umpierrez - 2014-08-05

Nearly 100 of the world’s leading medical researchers and clinicians share their expertise on the diagnosis, treatment, and care of people with diabetes mellitus. This newly revised sixth edition is a comprehensive guide to type 1, type 2, and gestational diabetes. New diabetes treatment strategies include medical nutrition therapy and exercise programs. This guide covers the latest research on diabetes medication and technology with insulin-pump therapy, insulin secretagogues, incretin mimetics, and medications for obesity, as well as advances in diabetes prevention. Family care topics include diabetes in pregnancy, diabetes and obesity in children, and nutrition management in the diabetes population. In addition, a Managing Editor was brought on to help the authors write and focus their chapters.

Intensive Diabetes Management (ADA) - Joseph Wollf - 2005-09-12

A complete intensive diabetes management manual. The only resource for intensive management. Virtually all patients with diabetes—type 1 or type 2—are able to improve their glycemic control and overall health through intensive diabetes management. With an emphasis on the team approach, this hands-on book offers the information needed to help each patient move toward treatment goals appropriate for their individual skills and medical condition. For clinicians striving to deliver diabetes therapy for the 21st century, this book is an essential guide.

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Diabetes - Anawsh Kumar - 2010-10-13

Diabetes: Pathophysiology and Clinical Management aims to be the one-stop diabetes book for researchers, scientists and clinicians. It details the various classes of anti-diabetic drugs, exercise strategies, novel treatments, available devices and clinical studies related to diabetes. It focuses on various molecular aspects of diabetes, and its related co-morbidities. Apart from the drug-based treatment approach based on international guidelines, this book also describes various surgical treatments available for cases of uncontrolled symptomatic diabetes. It also lays emphasis on the future possibilities of different approaches for diabetes management. Key Features Includes treatment guidelines and approaches to diabetes provided by major global diabetes associations Provides a thorough and comprehensive assimilation of detailed information and updates in the field of diabetes, helpful for researchers, scientists and clinicians Contains a chapter on anti-diabetic drugs, that covers both the commercially approved drugs as well as those that are in various phases of experimental, pre-clinical, and clinical trials

Managening Diabetes and Hyperglycemia in the Hospital Setting - Bora Dzin - 2015-04-21

As the number of patients with diabetes increases annually, it is not surprising that the number of patients with diabetes who are admitted to the hospital also increases. Once in the hospital, patients with diabetes or hyperglycemia may be admitted to the Intensive Care Unit, require urgent or elective surgery, emergent or planned care when significantly impacting diabetic control that significantly impacts surgical outcomes, mortality, and hospitalization costs. The American Diabetes Association recommends by the degree of glycemic control, knowledge of the best practices in inpatient diabetes management is extremely important. The field of inpatient management of diabetes and hyperglycemia has grown substantially in the last several years. This body of knowledge is summarized in this book, so as to reach the audience of knowledge hungry nurses and other team members who take care of inpatients with diabetes and hyperglycemia.

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Intensive diabetes management is the process by which blood glucose levels are closely controlled using multiple daily insulin injections or an insulin pump. People who use this method of diabetes management benefit by being closely aligned with their health care team and highly motivated because it not only requires close scrutiny of blood glucose levels, but also involvement in dietary planning. The success of intensive diabetes management has proven very effective and is now the rule, rather than the exception, in diabetes care. Virtually all patients with diabetes—type 1 or type 2—are able to improve their glycemic control and overall health through intensive diabetes management. Intensive Diabetes Management is geared toward the health care practitioner who wants to transform their patients’ diabetes. It emphasizes a team approach to patient care and offers guidance in helping patients move toward treatment goals appropriate for their individual skills and medical condition. Individual sections address all of the key topics in intensive diabetes management, including nutritional, physical, psychological, and social issues. The book’s newest edition is updated to cover the latest advances in medical research. New insights into diabetes and how they impact this particular treatment are covered. In addition, the book, guidelines, and procedures have been revised to reflect that newest positions of the American Diabetes Association’s recommendations.


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Adherence to Long-term Therapies

To adjust insulin to cover it), what to do about insulin shots during sleepovers, what to tell friends and classmates as well as teachers and other educators, and how to achieve effective communication among parent, child, and members of the health care team. Throughout, the authors stress the importance of helping children with chronic illness. Diabetes can lead to serious complications but people with diabetes can control the condition and lower the risk of its many complications. This is your everyday guide to understanding diabetes, and keeping forms; sample letters to teachers describing activity restrictions and warning signs they should watch for; growth charts; tables of timing and duration of easy-to-understand guide that shows you how. Under the direction of The American Diabetes Association, Managing Type 2 Diabetes For Dummies gives hope to the one in 11 people in the United States who are affected by diabetes mellitus types. Managing Type 2 Diabetes For Dummies is filled with a wealth of expert advice and includes the most current information on recent medical advances for treatment. Impoverished managed diabetes and consistently high blood glucose levels can lead to serious diseases affecting the heart and blood vessels, eyes, and kidneys. The authorities at the American Diabetes Association on your side, you will have a practical handbook for preventing complications and managing diabetes with confidence! Prevent and manage the complications of the disease. The complications of diabetes related to anatomy and depression Lead a healthy life with type 2 diabetes. In partnership with the American Diabetes Association, Managing Type 2 Diabetes For Dummies provides a helpful resource center, consulting with your doctors, staying active, and understanding what medications are right for you. You will be on the path to a happier and healthier lifestyle.

Type 2 Diabetes For Dummies - American Diabetes Association - 2018-08-13

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Pancreas and Inlet Transplantation - Nady S. Hakin - 2002

Diabetes Mellitus is the principle cause of kidney failure and blindness in adults and leads to more cases of amputation and impotence than any other disease. It is one of the most common chronic diseases affecting Americans today. T1DM is one of the most common chronic diseases in childhood. The aims of pancreas or islet transplantation are to improve the quality of life of patients with insulin dependent diabetes mellitus and to ameliorate secondary complications. This book provides a comprehensive and international review of the recent advances in pancreas and islet transplantation. It contains critical analysis of the literature, an overview of the clinical trials and the ethical and social implications, as well as an analysis of the potential for such transplantations to evolve as the treatment of choice for insulin dependent diabetes. The editors have compiled a strong and international team of contribution authors. This book is essential reading for transplant surgeons and all those involved in researching or treating diabetes mellitus.

Practical Management of Type 1 Diabetes - Irl Bennett Hirsch - 2005-09-01

T1DM are highlighted; moreover, the principle of carbohydrate consistency and insulin adjustments with food intake are stressed upon. Meal planning approaches to achieve carbohydrate consistency, including carbohydrate counting, exchange system, and sample meal plans, are explained. Weight management, energy requirements, and micro- and macronutrient requirements are stressed as well as nutritional management during exercise and supports take special attention in this chapter.

Nursing Management of Type 1 Diabetes - Sheren Abdelghaffar - 2015

This chapter focuses on medical nutrition therapy (MNT) in type 1 diabetes mellitus (T1DM), which is vital to achieve metabolic control in patients suffering from this disease. The nutritional goals for people with T1DM are reviewed, which aim at maintaining near-normal blood glucose levels by coordinating insulin therapy, diet, and physical activity patterns. A nutrition goals for people with T1DM are reviewed, which aim at maintaining near-normal blood glucose levels by coordinating insulin therapy, diet, and physical activity patterns. A nutrition goals for people with T1DM are reviewed, which aim at maintaining near-normal blood glucose levels by coordinating insulin therapy, diet, and physical activity patterns. A nutrition goals for people with T1DM are reviewed, which aim at maintaining near-normal blood glucose levels by coordinating insulin therapy, diet, and physical activity patterns.

WHIO Guidelines on Tularaemia - World Health Organization - 2007-12-15

The bacterium (Francisella tularensis) is highly virulent for humans and a range of animals such as rodents hares and rabbits. Humans can infect themselves by direct contact with infected animals by arthropod bites by ingestion of contaminated water or food or by inhalation of infectious aerosols. In addition to its natural occurrence F. tularensis evokes great concerns as a potential bioterrorism agent. Francisella tularensis can cause disease in many different pathogen humans in known medicine. In order to avoid laboratory-associated infection safety measures are needed and consequently clinical laboratories do not generally accept specimens for culture. However since clinical management of cases of disease is a function of the detection of the microorganism and the serological test is not always sensitive or specific the disease describes the current best practices for its diagnosis and treatments in humans suggests measures to be taken in case of epidemics and provides guidance on how to handle F. tularensis in the laboratory. The target audience includes clinicians laboratory personnel public health workers veterinarians and any other person with an interest in infectious diseases.

WHIO Guidelines on Tularemia - World Health Organization - 2017-12-15

Tularemia is a bacterial disease of the northern hemiphere. The bacterium (Francisella tularensis) is highly virulent for humans and a range of animals such as rodents hares and rabbits. Humans can infect themselves by direct contact with infected animals by arthropod bites by ingestion of contaminated water or food or by inhalation of infectious aerosols. In addition to its natural occurrence F. tularensis evokes great concerns as a potential bioterrorism agent. Francisella tularensis can cause disease in many different pathogen humans in known medicine. In order to avoid laboratory-associated infection safety measures are needed and consequently clinical laboratories do not generally accept specimens for culture. However since clinical management of cases of disease is a function of the detection of the microorganism and the serological test is not always sensitive or specific the disease describes the current best practices for its diagnosis and treatments in humans suggests measures to be taken in case of epidemics and provides guidance on how to handle F. tularensis in the laboratory. The target audience includes clinicians laboratory personnel public health workers veterinarians and any other person with an interest in infectious diseases.

Nutritional Management of Type 1 Diabetes - Sheren Abdelghaffar - 2015

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Diabetes mellitus is one of the most common noncommunicable diseases worldwide. In the Eastern Mediterranean Region, there has been a rapid increase in the incidence of diabetes and its complications, including in children. This increase is largely due to the growing awareness of the disease and its complications. The Eastern Mediterranean Region includes the countries of the Middle East and North Africa, which are among the regions with the highest prevalence of diabetes in the world. The prevalence of diabetes in the region is estimated to be around 10%, with the highest prevalence reported in countries such as Saudi Arabia, the United Arab Emirates, and Oman. The prevalence is also increasing in young people, with diabetes being diagnosed in children as young as 5 years old. The increase in the prevalence of diabetes is due to a number of factors, including changes in lifestyle, such as increased physical inactivity and sedentary behavior, as well as changes in diet, such as increased consumption of processed foods and sugary drinks. These changes are often associated with a rise in obesity and overweight, which are major risk factors for diabetes. The increase in the prevalence of diabetes has significant implications for health care systems, as the management of diabetes is costly and requires ongoing care. In addition, the complications of diabetes, such as heart disease, stroke, and kidney failure, can lead to significant morbidity and mortality. Therefore, there is a need for effective strategies to prevent and manage diabetes, including public health campaigns to promote healthy lifestyles, as well as improvements in the quality and accessibility of health care services.