Diabetes Mellitus Eine Kardiovaskulare Erkrankung

Diabetes and Cardiovascular Disease
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Diabetes and Hypertension
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Diabetes and Cardiovascular Disease

Medical Management of Type 2 Diabetes
Diabetes and Cardiovascular Disease
Diabetes und kardiovaskuläre Krankheiten
Metabolic Syndrome and Cardiovascular Disease
Diabetes and Cardiovascular Disease: Evaluation, Prevention & Management
Cardiovascular and Metabolic Disease
Vascular Involvement in Diabetes
OECD Health Policy Studies Cardiovascular Disease and Diabetes: Policies for Better Health and Quality of Care
Diabetic Cardiomyopathy
Diabetes and Cardiovascular Disease
Diabetes and Hypertension
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The Heart in Diabetes

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Diabetes and Cardiovascular Disease

Royal Society of Chemistry

The cause of diabetes mellitus is metabolic in origin. However, its major clinical manifestations, which result in most of the morbidity and mortality, are a result of its vascular pathology. In fact, the American Heart Association has recently stated that, “from the point of view of cardiovascular medicine, it may be appropriate to say, diabetes is a cardiovascular disease” (1). But diabetic vascular disease is not limited to just the macrovasculature. Diabetes mellitus also affects the microcirculation with devastating results, including nephropathy, neuropathy, and retinopathy. Diabetic nephropathy is the leading cause of end-stage renal disease in the United States, while diabetic retinopathy is the leading cause of new-onset blindness in working-age Americans. The importance of this text on Diabetes and Cardiovascular Disease is evident by the magnitude of the population affected by diabetes mellitus. Over 10 million Americans have been diagnosed with diabetes mellitus, while another 5 million remain undiagnosed. The impact from a public health perspective is huge and increasing. As the population of the United States grows older, more sedentary, and obese, the risk of developing diabetes and its complications will increase.

Epidemiological studies have identified diabetes mellitus as a major independent risk factor for cardiovascular disease. Over 65% of patients with diabetes mellitus die from a cardiovascular cause. The prognosis of patients with diabetes mellitus who develop overt clinical cardiovascular disease is much worse than those cardiovascular patients free of diabetes mellitus.

Cardiovascular Disease and Diabetes GRIN Verlag

Diabetes and hypertension have evolved as two of the modern day epidemics affecting millions of people around the world. These two common co-morbidities lead to substantial increase in cardiovascular disease, the major cause of morbidity and mortality of adults around the world. In Diabetes and Hypertension: Evaluation and Management, a panel of renowned experts address a range of critical topics -- from basic concepts in evaluation and management of diabetes and hypertension, such as dietary interventions, to evaluation and management of secondary hypertension in clinical practice. Other chapters focus on high cardiovascular risk populations such as those with coronary heart disease, chronic kidney disease and minority patients. In addition, evolving concepts and new developments in the field are presented in other chapters, such as prevention of type 2 diabetes and the epidemic of sleep apnea and its implication for diabetes and hypertension evaluation and management. An important title covering two of the most troubling disorders of our time, Diabetes and Hypertension: Evaluation and Management will provide the busy practitioner with cutting edge knowledge in the field as well as practical information that can translate into better care provided to the high-risk population of diabetics and hypertensive patients.

Clinical Management of Cardiovascular Risk Factors in Diabetes Springer Science & Business Media

Addressing a topic of utmost importance in the field, this text addresses the epidemiology, diagnosis, assessment, and management of patients with metabolic syndrome-focusing on implications for cardiovascular disease risk. With an abundance of clearly organized tables, flowcharts, and practice guidelines, this blue-ribbon source succinctly analyze

Diabetic Retinopathy and Cardiovascular Disease Remedica

This report examines how countries perform in their ability to prevent, manage and treat cardiovascular disease (CVD) and diabetes.

Diabetes in Cardiovascular Disease: A Companion to Braunwald's Heart Disease E-Book Elsevier

This issue of the Endocrinology and Metabolism Clinics, guest edited by Drs. Leonid Poretsky and Emilia Pauline Liao, will focus on Diabetes Mellitus: Associated Conditions. Articles in this issue include Metabolic syndrome; The role of glucocorticoids and insulin resistance in adipose tissue function and lipid metabolism; Cardiovascular disease; The Relationships between Cardiovascular Disease and Diabetes: Focus on Pathogenesis; Interventions for coronary artery disease; Peripheral Arterial Disease; Hypertension; Sleep apnea; Osteoporosis; Vitamin D deficiency; Diabetes and cancer; Dementia; Depression; and Polycystic Ovary Syndrome.

Metabolic Syndrome and Cardiovascular Disease John Wiley & Sons

Trends indicate that the metabolic syndrome will become theleading risk factor for heart disease. Now more than ever you needan all-in-one reference that provides the tools and practicaladvice you need to: Identify at-risk patients Explain individual contributing factors Aid in patient education and motivation Direct comprehensive care and Choose the most appropriate interventions Comprehensively revised to reflect leading-edge research and noworganized to facilitate easy access to essential information andclinically-relevant guidance, Metabolic Syndrome andCardiovascular Disease, 2e offers this and more. Not onlywill you receive a solid understanding of the pathophysiologyunderlying the metabolic syndrome and cardiovascular disease butalso the rationale for today's most effectivetreatments. What's new? Filled with timely new content, this updated edition covers: New discoveries that have changed our understanding of thepathogenesis and interrelationship of metabolic syndrome,cardiovascular disease (CHD), and type 2 diabetes mellitus(DM) The relevance of mitochondria and telomeres Sleep and its impact on cardiometabolic health The pivotal interplay between insulin and forkheadtranscriptionfactors Calorie restriction research Bariatric surgery experiences and outcomes In addition, each chapter includes essential information oncomorbidities, interventions, and pharmacotherapeutic options– an exclusive feature found only in the second edition!

Managing Cardiovascular Complications in Diabetes Oxford University Press

Diabetes has long been recognized as a disease of high blood sugar, and there has been a continuous search of the exact reason for its development and effective treatment. In 2005, the World Health Organization had estimated that more than 180 million people worldwide suffer from diabetes mellitus and indicated that this figure is likely to double within the next 20 years. Among the 3.8 million deaths each year associated with diabetes, about two thirds are attributable to cardiovascular complications, and diabetes is now considered to be a major metabolic risk factor for the occurrence of heart disease. Diabetic Cardiomyopathy: Biochemical and Molecular Mechanisms is a compilation of review articles devoted to the study on the topic with respect to biochemical and molecular mechanisms of hyperglycaemia. The wide range of areas covered here is of interest to basic research scientists, clinicians and graduate students, who are devoted to study the pathogenesis of diabetes-induced cardiovascular dysfunction. Furthermore, some chapters are directed towards increasing our understanding of novel ways for the prevention/treatment of cardiomyopathy. Twenty five articles in this book are organized in three sections. The first section discusses general aspects of the metabolic derangements in diabetic cardiomyopathy including metabolic alterations and substrate utilization as well as cardiac remodelling in the heart; role of diet in the development of metabolic syndrome in the heart; effect of hyperglycaemia in terms of biochemical and structural alterations in heart. In the second section, several cellular and molecular mechanisms are discussed indicating that diabetic cardiomyopathy is a multifactorial and complex problem. The third section discusses the prevention and

treatment of diabetes using appropriate diet, proper supplements including antioxidants, angiotensin inhibitors and some other drugs. All in all, this book discusses the diverse mechanisms of diabetic cardiomyopathy with some information on new therapeutic approaches for finding solutions to prevent or reverse the development of cardiac dysfunction.

Metabolic Risk for Cardiovascular Disease John Wiley & Sons

The prevalence of obesity, metabolic syndrome and diabetes - three links of the same 'atherothrombotic chain' - has reached pandemic proportions worldwide. As a result, our civilization is at war against a threatening enemy: cardio-diabetes. Several independent physiological processes underlie the clustering of cardio-diabetes, including central obesity, insulin resistance, dyslipidemia, inflammation, impaired glucose tolerance, and hypertension. Early detection is of overwhelming importance for public health. The complex and intimate relationship between cardiovascular disease and diabetes from basic science to clinical and therapeutic concerns is discussed in this outstanding book. Beginning with molecular, biochemical, inflammatory and cellular aspects, this publication continues with histological and pathophysiological issues, details particular problems in specific metabolic and clinical settings, and finally analyzes several aspects of clinical pharmacology focusing on the optimal management of combined dyslipidemia and non-insulin antidiabetic therapy in cardiac diabetic patients. This book will be a gain in knowledge for every cardiologist, diabetologist, specialist in internal medicine, nutritionalist, general physician and medical student.

Clinical Dilemmas in Diabetes John Wiley & Sons

DIABETES DRUG NOTES Diabetes is becoming more common in both older and younger generations and in keeping with this escalation in cases, there are an ever increasing number of drugs and drug classes that are suitable to treat hyperglycaemia. In a unique blend of diabetes practice, clinical pharmacology, and cardiovascular medicine, Diabetes Drug Notes describes the principles of clinical pharmacology with regards to diabetes prescribing. Each drug class for the treatment of diabetes is covered in detail, along with the effect on the cardiovascular and renal systems caused by each drug. Building upon the success of their “Drug Notes” series for Practical Diabetes and their “Drugs for Diabetes” series in the British Journal of Cardiology, the team of experts focuses on the glycaemic management of type 1 and type 2 diabetes, with other effects of antidiabetic drugs covered as well. Diabetes Drug Notes also includes: Comprehensive and up-to-date coverage of the drugs for the glycaemic management of patients with type 1 or type 2 diabetes Expert reflection on prescribing considerations for special groups, as well as common pitfalls in prescribing Detailed case histories to illustrate relevant information Summaries of recent guidelines related to diabetic intervention Diabetes Drug Notes is a user-friendly guide for a general diabetes medical, nursing, and pharmacology readership, as well as those who support them.

Cardiovascular Risk in Type 2 Diabetes Mellitus Humana Press

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 guidelines that are updated every year by the American Diabetes Association. This new edition of Medical Management of Type 2 Diabetes provides care providers with the answers to their questions about implementing care. All of the contributors are experts in their fields, and they define the disease, including the progressive nature of type 2 diabetes; cardiovascular, microvascular, and neurological complications; care methodologies for special situations; and behavior change. All guidelines and standards have been updated with the latest developments in research, advances in medications and medical devices, and new understandings of how to effectively work with the patient.

Epidemic of Cardiovascular Disease and Diabetes Elsevier Health Sciences

A lot of time has been spent trying to convince health care providers and policy makers of the enormous importance of macrovascular disease in persons with type 2 diabetes. In this volume, we present facts that dem onstrate how important it is to recognize macrovascular disease in these patients in daily practice. This volume has been compiled to help those already involved in dia betes care, to be more involved in cardiovascular risk control, a task that is not easily achieved. The area of cardiovascular risk in type 2 diabetes is heterogeneous. Trying to characterize it, we can only say: certainly we know more than we do, but for sure we do less than we could. Our challenge is to change this. Nicolae Htmcu Professor N. Hancu was born in Romania in 1940. He studied medicine at the Iuliu Hatieganu University of Medicine and Pharmacy, Cluj-Napoca, and obtained his speciality in internal medicine in 1970, and in diabetes, nutrition and metabolic disease in 1986. He was appointed Professor and Head of the Department of Diabetes, Nutrition and Metabolic Diseases of the same university in 1993. He has been a full member of the Romanian Academy of Medical Sciences since 1995. Professor Hancu's major interest is related to clinical lipidology, visceral obesity, and cardiovascular risk in type 2 diabetes. He has published over 200 papers and 14 books in this area. He has been invited as Visiting Professor at many universities in Madrid, Valladolid, Barcelona, and Los Angeles.

Diabetes mellitus und der Einfluss einer Lebensstiländerung auf Entstehung und Verlauf Springer

This important reference, edited by Ronald Ross Watson and Betsy Dokken, collects the research needed to make the distinct connection between pre-diabetes, diabetes, and cardiovascular disease. Glucose Intake and Utilization in Pre-Diabetes and Diabetes: Implications for Cardiovascular Disease explains the mechanisms of progression from pre-diabetes to diabetes to cardiovascular disease. Since pre-diabetes and diabetes are important cardiovascular disease risk factors, and impaired glucose metabolism among cardiac patients is extremely prevalent, the importance of reviewing pre-diabetes and its involvement in CVD complications is vital as one applies food and glycemic control to slow progress to diabetes and heart disease. The book

further focuses on glucose intake and utilization in diabetes, including coverage of diabetes in the development and pathology of cardiovascular disease, risks and epidemiology of cardiovascular problems promoted by diabetes, macrovascular effects and their safety in therapy of diabetics, beta cell biology and therapy of diabetes, and nutrition to modulate diabetes. Offers a complete review of cardiac health problems occurring with significant frequency in patients relative to their ability to regulate glucose Presents coverage of the role of glucose utilization, development of pre-diabetes and the ultimate development of various cardiovascular diseases Provides thorough dietary, nutrition, complementary and alternative botanical therapies for pre-diabetes and diabetes to halt the progression to cardiovascular disease

Diabetic Cardiology Karger Medical and Scientific Publishers

Annotation Interventional cardiologists, general cardiologists, endocrinologists, diabetologists The World Health Organization has projected that the prevalence of diabetes will double over the next 22 years - from a current figure of 150 million to an estimated 300 million people by the year 2025. The health-care burden of diabetes is enormous, and effective strategies to combat the explosive rise in the global incidence and prevalence of diabetes are urgently needed. Furthermore, diabetic patients have a considerable risk for cardiovascular disease, with up to 80% of deaths in individuals with diabetes attributable to microvascular or macrovascular complications. This book provides a concise overview of the present state of the art relating to the impact of diabetes mellitus on cardiovascular disease and to emerging treatment strategies that are beginning to impact on the management of the cardiovascular complications of this debilitating condition.

100 Key Clinical Trials Elsevier Health Sciences

Diabetic retinopathy (DR), a common microvascular complication, has consistently been shown to be associated with an increased risk of cardiovascular disease (CVD). This book provides complete coverage of DR as a potential marker for CVD in those with diabetes. It succinctly reviews the epidemiological and pathogenic links of DR to various cardiovascular events including stroke, coronary artery disease, chronic kidney disease, heart failure, and mortality. Furthermore, it discusses the usefulness of DR in CVD risk prediction and cardiovascular safety of anti-VEGF therapy in diabetic patients. There are insights from contemporary diabetic trials that demonstrated the enhanced cardiovascular benefit of novel glucose lowering therapy. It also highlights the potential of novel retinal imaging to predict CVD and its risk factors using the state-of-the art artificial intelligence-based deep learning systems. This book will be an invaluable resource for specialists translating research findings into clinical care, including those in cardiology, endocrinology, ophthalmology, and general practitioners. IT will also be of interest to public health practitioners, researchers, graduate students, and biotech companies interested in developing retinal image-based diagnostic and prognostic tools.

Diabetes and Cardiovascular Disease Springer Science & Business Media

Diabetes is a major public health problem which is expected to affect 160 million people worldwide by the year 2000. Clearly an understanding of the effects of diabetes on the heart is an important step in the development of strategies to reduce the incidence of heart disease for diabetic patients, thus increasing their overall life-expectancy and quality of life. In this book, the editors bring together the different lines of evidence supportive of the idea of a diabetic cardiomyopathy. The first chapter provides an overview of the impact of cardiac dysfunction on the mortality and morbidity of the diabetic population in general, as well as a presentation of clinical aspects of heart disease in diabetes. This is followed by chapters concerned with the pathological and functional changes that occur in the heart as a result of diabetes and a description of the various therapeutic interventions that are available to reverse the effects of diabetes on the heart. Subsequent chapters focus on changes in protein synthesis, membrane function and intermediary metabolism that take place following the onset of diabetes. Since these alterations precede many of the functional and pathological changes, it may be that the processes responsible for the functional decline and tissue injury are initiated by diabetes-induced changes at the cellular and/or biochemical level.

Diabetes mellitus - eine kardiovaskuläre Erkrankung John Wiley & Sons

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. Understand the link between diabetes and cardiovascular disease-with this quick-access clinical guide This guide takes you step-by-step through the evaluation and treatment of cardiovascular disease in diabetes patients. The book is authored by an internationally recognized diabetes expert and has a distinguished roster of contributors who deliver important diagnostic and therapeutic strategies not found in general cardiology texts.

Cardiodiabetes Update John Wiley & Sons

This issue of Endocrinology and Metabolism Clinics, edited by Dr. Guillermo E. Umpierrez, will focus on Cardiovascular Outcomes of Treatments available for Patients with Type 1 and 2 Diabetes. Topics include--but are not limited to--Diabetes and CAD and PVD; Prediabetes and CVD- DM prevention; Pathogenesis of atherosclerosis/CVD in diabetes Intensive Diabetes Treatment and CV Outcomes in T1D; Intensive blood glucose control and vascular outcomes in patients with type 2 diabetes, Diabetes and Stroke; Cardiovascular outcome trials of glucose-lowering drugs or strategies in type 2 diabetes; Heart Failure in Diabetes Mellitus; Individualizing Glucose Lowering Therapy in the Patient with Diabetes and Heart Disease; Managing Dyslipidemia in Type 2 Diabetes; Blood pressure control and cardiovascular and renal outcomes; Hyperglycemia in acute coronary syndromes; Hospital Glucose Control; Managing Diabetes and cardiovascular risk in chronic kidney disease; and more.

Oxidative Stress and Inflammatory Mechanisms in Obesity, Diabetes, and the Metabolic Syndrome Springer Science & Business Media

This book provides a practical hands-on approach to the management of patients with diabetes and cardiovascular disease,

with original and up-to-date coverage of a variety of aspects of emerging clinical importance. Practical advice is offered on diagnosis, risk stratification, management of cardiovascular risk factors and available drug therapies. Appropriate myocardial revascularization strategies are explained and the current state of knowledge is documented regarding target-led multifactorial treatment and the management of acute coronary syndromes, heart failure, and cerebrovascular disease. New algorithms for diagnosis and treatment are presented and to ensure ease of reference each chapter includes a box with practical recommendations as well as informative color illustrations and tables. The handbook will be of value for all cardiologists and diabetologists and will be especially helpful for young cardiologists, who are ever more frequently confronted by patients with diabetes and cardiovascular disease.

Diabetes Mellitus: Associated Conditions, An Issue of Endocrinology and Metabolism Clinics of North America, CRC Press

Diabetes and Cardiovascular Disease: Evaluation, Prevention & Management presents the epidemiologic relation of diabetes and associated risk factors with cardiovascular disease. This concise guide demonstrates the role of non-invasive imaging strategies for evaluation of cardiovascular disease risk in diabetes, and the role of nutrition and physical activity in preventing diabetes and its cardiovascular complications. Diabetes and Cardiovascular Disease: Evaluation, Prevention & Management also covers the relation of chronic kidney disease to diabetes and cardiovascular consequences, and offers glycaemic control strategies for reducing the risk of cardiovascular disease with diabetes. The wide scope of this book makes it an essential resource for diabetologists, cardiologists and physicians. Key Features Presents the relationship between diabetes and cardiovascular disease Focus on prevention and management, including chapter on quality of care and provider/medical systems in diabetes management Edited by team of experts in the field from the University of California

Gesundheitsförderung bei Kardiovaskulären Erkrankungen McGraw Hill Professional

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