The current epidemic of diabetes, obesity and related disorders is a driving force in the development of new technologies. Technological advances offer great new opportunities for the treatment of these chronic diseases. This review presents an update of developments that promise to revolutionize the treatment of diabetes. It examines hospital and outpatient care, intensive insulin therapy, blood glucose monitoring and innovative steps towards the construction of an artificial pancreas.

Providing a comprehensive overview on the latest advances, this volume of *Frontiers in Diabetes* will be of particular interest to all healthcare providers involved in the daily management of patients with diabetes or related diseases.

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History of Allergy

Editors
Karl-Christian Bergmann
Johannes Ring

This book presents a detailed and varied historical overview of the field of allergology. Beginning with insights into allergy from antiquity to the 20th century, it compiles historical reflections on the understanding of the most common allergic diseases. Important milestones in the discovery of mechanisms of allergy are described, followed by historical accounts of the detection of allergens such as pollen, dust mites, peanuts and latex, and of environmental influences such as pollution and the relationship between farmers and their environment. Several chapters illustrate the progress made in allergy management to date. Particular highlights of this book are the personal reflections of and interviews with a number of pioneers of allergy, including F. Austen, J. Bienenstock, K. Blaser, A. de Weck, A.W. Frankland, K. Ishizaka, and many more.

Not only researchers, physicians and medical historians, but also students and even non-scientists will find History of Allergy a scientific adventure well worth reading.

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Modern medicine is now in a position to make advanced prognoses that chart the entire course of illness and recovery. Paradoxically, this is coupled with a new dimension of uncertainty for the patient, i.e. coming to terms with discovering they have an increased risk of a particular disease and deciding what appropriate steps to take. In this publication, renowned experts in their fields discuss these issues. The certainty and uncertainty of one’s fate are discussed from both methodological and epidemiological perspectives, using examples of diseases for which treatment and prognosis have dramatically changed. Despite profound insights into the human genome, personalized genetically tailored medicine still lies in the future. Religious, spiritual and philosophical dimensions are discussed, as are the ways in which they may help people cope with these new insights into their future, e.g. the promise of an afterlife.

This publication aims to bridge the different fields dealing with this area by addressing the challenges faced and encouraging dialogue. It will be of interest to all readers who deal with ethical problems of prognosis, particularly in medicine, as well as to theologians and sociologists.

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Erosive Tooth Wear
From Diagnosis to Therapy

Editors:
A. Lussi
C. Ganss

Erosive tooth wear is a multifactorial condition of growing concern to the clinician and the subject of extensive research. Since the publication of the first edition of the book with the title Dental Erosion, new knowledge for a better understanding of this important subject has been gathered. The new and more detailed insights resulted in this second, extended publication. It presents a broad spectrum of views, from the molecular level to behavioural aspects, as well as trends in society. In particular, the issues concerning chemical and biological factors as well as dental erosion in children are covered more extensively in this second edition. The first chapters include topics such as the definition, diagnosis, interaction, epidemiology and histopathology of tooth wear. Further, the aetiology of dental erosion, including nutritional and patient-related factors, and dental erosion in children are discussed.

This book is a valuable and indispensable guide to better oral health and is highly recommended to faculty members, researchers, dental students, practitioners and other dental professionals.

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