

# PREFACE

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It has been only four years since the first edition of this very successful text, *Diabetes and Cardiovascular Disease*. During this time, interest in diabetes mellitus as a risk factor for cardiovascular disease has increased logarithmically, having been the subject of many studies now found in the cardiology literature as well as American Heart Association statements in *Circulation*. This higher level of attention is only a reflection of the increasing obesity and diabetes mellitus epidemic that continues to build in Western societies, and in particular, the United States.

With the substantial increase in information resulting from this research and the ever-increasing numbers of people afflicted by diabetes mellitus, the need for a text that summarizes the information obtained, diagnostic and therapeutic guidelines becomes increasingly important. We believe our second edition mirrors the increased attention focused on this disease process, which affects about 16 million people in the United States alone.

With this burgeoning interest in diabetic cardiovascular disease, it is challenging to keep up with all the important developments in the area. In an effort to do so, we have made significant changes to this second edition. All the chapters have been updated and new ones have been added. In particular, the chapters on hypertension and dyslipidemia, as well as heart failure, and coronary artery disease and diabetes mellitus have undergone extensive “makeovers.”

We have reorganized the chapters, putting the basic science chapters in the first half of the text, with the clinical chapters now in the second half. We have moved the chapters on diabetes and dyslipidemia and hypertension to the clinical section of the text. The last chapter, “Diabetes Mellitus and Coronary Artery Disease,” has not only been significantly redone, it is now at the end of the text in an effort to serve as a summary of the clinical macrovascular disease chapters.

In the basic section, we have added chapters on diabetes mellitus and PPARs by Dr. Plutzky, and PARP activation and the nitrosative state by Drs. Pacher and Szabó. The role of estrogens in diabetic vascular disease is discussed by Drs. Tsatsoulis and Economides, and finally the effect of adipocyte cytokines in the development of diabetes mellitus is discussed. On the clinical side, we have added chapters on interventional therapy in cardiac and peripheral vascular disease by Drs. Lorenz, Carrozza, and Garcia, as well as a chapter on cardiovascular surgery in diabetes by Drs. Khan, Voisine, and Sellke.

We again want to thank Craig Adams, Developmental Editor, and Paul Dolgert, the Editorial Director at Humana Press, as well as their office staff for their assistance in putting together this text. Also we want to give again a special thanks to Dr. Christopher Cannon whose vision it was to include such a text in the *Contemporary Cardiology* series.

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