Cardiac Problems in Pregnancy

Diagnosis and Management of Maternal and Fetal Disease

Edited by

Uri Elkayam, M.D.

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Preface

Over the past decade, the field of cardiology has made rapid progress, largely as a result of the development of new technology and its application to more sophisticated diagnosis and therapy. These developments have led to vast improvements in the medical care available to cardiac patients of all ages; in the female patient this will of course include the period of pregnancy. Although absolute maternal morbidity and mortality from such cardiac diseases as rheumatic heart disease have been declining steadily in the more developed countries, these diseases have still maintained their relative importance as major complicating factors in modern obstetrical care. This is due in part to the even greater decline in total maternal mortality, which has rendered maternal cardiac disease, despite its absolute decline, a relatively more important cause of maternal morbidity and mortality. In addition, it is now possible for cardiac patients who some years ago would have been advised against becoming pregnant, or encouraged to have an early abortion, to carry pregnancies to full term. All of these factors have contributed to maintaining cardiac disease in pregnancy as a major topic in maternal-fetal medicine. *Cardiac Problems in Pregnancy* represents an attempt to summarize in one volume all aspects of maternal cardiac disease in pregnancy as they are presently recognized, and to review diagnosis and therapy in light of the most modern methods.

In addition, the second section of this volume covers a more recently defined field, that of fetal cardiology. With its increasing diagnostic sophistication, fetal cardiology is maturing into a well recognized and established entity in its own right. Intrauterine diagnosis and, more recently, intrauterine therapy are becoming commonplace in most major medical centers. We attempt in this second section to summarize the experience to date in fetal cardiology and to outline possible future directions in this young and exciting field.

Finally, this volume contributes a new dual point of view to the study of maternal-fetal medicine – that is, organ review in both mother and fetus within one volume. This concept was inspired by the idea that basic knowledge and expertise in maternal and fetal organ systems will be mutually applicable. In view of the continuous growth of maternal-fetal medicine, a specialty that draws physicians from various fields of medicine, this unifying approach of combining fetal and maternal issues in one volume made sense to the editors and publisher; and it is their hope that such an approach will enhance the concept of maternal-fetal medicine as a unified field. It is hoped that this volume will encourage in adult and pediatric cardiologists a greater interest in fetal cardiology, while at the same time giving perinatologists, at the other, obstetric end of the spectrum, a detailed understanding of maternal cardiology and its increasing relevance to their work. Such is the goal of these two editors, who do in fact represent both ends of the spectrum and who have benefited from just this exchange between fields of expertise.

Uri Elkayam, M.D.
Norbert Gleicher, M.D.

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