Contemporary Nephrology

Volume 1

Contemporary Nephrology

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Contemporary Nephrology

Volume 1

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This book is dedicated to our wives and children

Carol, James, and Robert Klahr
Meira, Efrat, Guy, Yael, and Dina Massry

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Preface

This volume is the first of a biannual series entitled *Contemporary Nephrology*. The series intends to provide the reader with a broad, authoritative review of the important developments that have occurred during the previous two years in the major areas of both basic and clinical nephrology. We have been fortunate to enlist a distinguished group of scientists, teachers, and clinicians to serve as members of the Editorial Board of this series. We are grateful to them for the outstanding contributions they have made to this first volume of *Contemporary Nephrology*.

This volume has fifteen chapters. The first four chapters deal with more basic aspects of nephrology: Membrane Transport (Schafer); Renal Physiology (Knox and Spielman); Renal Metabolism (Schoolwerth); and Renal Prostaglandins (Dunn). Chapters 5–10 are more pathophysiologically oriented, and each contains an “appropriate mix” of basic and clinical information. This group of chapters includes Acid–Base Physiology and Pathophysiology (Arruda and Kurtzman); Mineral Metabolism in Health and Disease (Agus, Goldfarb, and Wasserstein); Hypertension and the Renin–Angiotensin–Aldosterone Axis (Williams and Hollenberg); Immunologically Mediated Renal Disease (Glasscock); Acute Renal Failure and Toxic Nephropathy (Anderson and Gross); and the Kidney in Systemic Disease (Martinez-Maldonado). The last five chapters, which are more clinically oriented, include Uremia (Friedman and Lundin); Nutrition in Renal Disease (Mitch); Dialysis (Maher); Renal Transplantation (Strom); and, finally, Drugs and the Kidney (Bennett).

Nephrology has expanded at such a spectacular pace in the last two decades that the ability to keep abreast of developments in the

different fields of the subspecialty is becoming increasingly difficult. It is our expectation that this book will allow both the clinician and the basic scientist to “keep up” with recent important developments in areas other than those of their primary interest.

Although major emphasis has been placed on the important advances which occurred in the last two years in each one of the different areas covered, the contributors sometimes felt it necessary to incorporate “classic” or “older” references in order to provide a more comprehensive picture of a given subject.

We would welcome suggestions and criticisms from our readers as to how to make future volumes of this series better than the previous ones.

Saulo Klahr, M.D.
Shaul Massry, M.D.

St. Louis and Los Angeles

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