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Chronic Kidney Disease, Dialysis, and Transplantation

A Companion to Brenner & Rector's The Kidney



Third Edition

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Companion to Brenner & Rector's The Kidney

Third Edition

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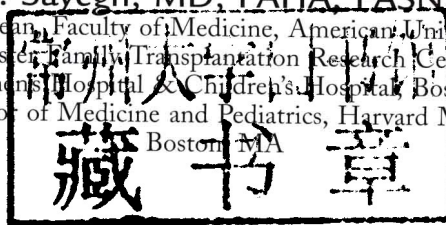
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*To my wonderful wife, Deborah, and children, Sarah, Rachel, and Joshua,
for their love, support, and guidance.*

—JH

To my precious daughter, Layal, and my amazing son, Malek.

—MHS

PREFACE

Chronic Kidney Disease, Dialysis in Transplantation is a companion to *Brenner and Rector's The Kidney*. This 3rd edition is designed to provide a comprehensive and systematic review of the latest available information concerning patho-biology, clinical consequences and therapeutics over a wide spectrum of clinically important kidney diseases. The pace of acquisition of new knowledge in kidney disease is fast and furious, and our goal is to bring a thoughtful, well organized exposition of this burgeoning knowledge base to the readers. To accomplish this we are pleased to have been able to assemble a leading panel of expert contributors who have been challenged to summarize state of the art knowledge in each chapter of the book.

Compared to previous editions, the number of chapters in each section has been expanded and every chapter in this edition has been thoroughly revised and updated. New chapters have been created to cover topics of emerging importance such as chronic kidney disease in the elderly, pharmacoepidemiology in kidney disease, utilization and outcomes of peritoneal dialysis, and biomarkers in acute kidney injury. It is our hope that the reader of these and other chapters will become acquainted with the latest thinking in some of the most important topics in kidney disease. Thus

the book is designed to be both a reference source and a practical guide to the clinical management of most major kidney diseases. The text should prove useful and valuable to clinicians, educators and investigators alike.

We wish to thank Barry M. Brenner for his confidence in allowing us to edit this companion volume to the comprehensive accounting of kidney disease found in Brenner and Rector's *The Kidney*. We also wish to acknowledge the logistical and practical support we received from Ms. Adrienne Brigido and Taylor Ball, who played major roles in the preparation of this new edition for publication. We would particularly like to thank the section editors (Ann O'Hare, Katherine Tuttle, John Stivelman, Rajnish Mehrotra, John Vella, Anil Chandraker, and Sushrut Waikar) for their tremendous contribution in the editing of each chapter, and for working in close conjunction with the chapter authors. Their intellectual rigor and enthusiasm have dramatically influenced the content of this book. We also wish to thank each author for taking considerable time and effort to ensure that each chapter provides state of the art information. We hope that readers achieve the same level of acquisition of new knowledge and enjoyment as we have attained by editing this book.

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Section I

Chronic Kidney Disease

