

CONTENTS

- 1 Introduction to Nephrology 1**
Robert Stephen Brown
- 2 Symptoms, Signs, and Differential Diagnosis 5**
Robert Stephen Brown ■ Alexander Goldfarb-Rumyantzev
- 3 Renal Physiology 14**
Robert Stephen Brown ■ Alexander Morales ■ Alexander Goldfarb-Rumyantzev
- 4 Water and Electrolyte Disorders 26**
Robert Stephen Brown ■ Alexander Goldfarb-Rumyantzev ■ Alexander Morales
- 5 Acid-Base Disorders 49**
Alexander Morales ■ Alexander Goldfarb-Rumyantzev ■ Robert Stephen Brown
- 6 Urinalysis and Diagnostic Tests 60**
Robert Stephen Brown ■ Alexander Goldfarb-Rumyantzev ■ Ruth Schulman
- 7 Acute Kidney Injury 73**
Robert Stephen Brown ■ Alexander Goldfarb-Rumyantzev ■ Nathan H. Raines
- 8 Glomerular Diseases 92**
Robert Stephen Brown ■ Alexander Goldfarb-Rumyantzev ■ Subhash Paudel ■ Stewart H. Lecker
- 9 Various Kidney Diseases: Interstitial, Cystic, Obstructive, and Infectious Diseases 106**
Robert Stephen Brown ■ Alexander Goldfarb-Rumyantzev ■ Parvathy Geetha ■ Stewart H. Lecker
- 10 Kidney Disorders in Other Diseases 116**
Robert Stephen Brown ■ Alexander Goldfarb-Rumyantzev ■ Periklis Kyriazis ■ Stewart H. Lecker
- 11 Chronic Kidney Disease 132**
Robert Stephen Brown ■ Alexander Goldfarb-Rumyantzev ■ Jeffrey H. William
- 12 Kidney Replacement Therapy: Dialysis 152**
Mark E. Williams ■ Alexander Goldfarb-Rumyantzev ■ Robert Stephen Brown
- 13 Kidney Transplantation 230**
Robert Stephen Brown ■ Alexander Goldfarb-Rumyantzev ■ Amtul Aala
- 14 Hypertension 260**
Robert Stephen Brown ■ Alexander Goldfarb-Rumyantzev ■ Min Zhuo
- 15 Nephrolithiasis and Nephrocalcinosis 271**
Robert Stephen Brown ■ Alexander Goldfarb-Rumyantzev
- 16 Laboratory Values for Nephrology 283**
Robert Stephen Brown ■ Alexander Goldfarb-Rumyantzev
- Index 299**