

Contents

Contributors	xi
Foreword	xxi
Chapter 1. Holistic Approach to the Geriatric Patient: Geriatric Evaluation	1
<i>David Galinsky, Roberto Kaplan, and Tzvi Dwolatzky</i>	
Chapter 2. Incidence of Renal Diseases in an Acute Geriatric Unit ..	19
<i>Cristina Alonso Bouzón, Gonzalo Bravo Fernández de Araoz and Francisco Guillén Llera</i>	
Chapter 3. Anatomical Changes in the Aging Kidney	39
<i>Xin J. Zhou, Zoltan G. Laszik and Fred G. Silva</i>	
Chapter 4. Biology of the Aging Process and Its Clinical Consequences	55
<i>Juan-Florencio Macías-Núñez, José-Manuel Ribera Casado, Mónica de la Fuente del Rey, Gustavo Barja Quiroga, Jesus A. F. Tresguerres, Carmen Ariznavarreta and José M. López-Novoa</i>	
Chapter 5. Physiology of the Healthy Aging Kidney	93
<i>Juan-Florencio Macías-Núñez and José M. López-Novoa</i>	
Chapter 6. The Mechanisms of Age-Associated Glomerular Sclerosis	113
<i>José M. López-Novoa</i>	
Chapter 7. Endothelial Function in the Healthy Aged.....	127
<i>Leocadio Rodríguez-Mañas, Mariam El Assar De La Fuente and Marta Castro Rodríguez</i>	
Chapter 8. Renal Handling of Water and Electrolytes in the Old and Old-Old Healthy Aged	141
<i>Carlos G. Musso and Juan-Florencio Macías-Núñez</i>	
Chapter 9. Renal Handling of Uric Acid, Magnesium, Phosphorus, Calcium, and Acid Base in the Elderly	155
<i>Carlos G. Musso, Joaquin Antonio Alvarez Gregori, and Juan-Florencio Macías-Núñez</i>	

Chapter 10.	Dysnatremias: Diagnosis and Treatment	173
	<i>Steven Achinger and Juan Carlos Ayus</i>	
Chapter 11.	Hypertension in the Elderly	199
	<i>José A. Garcia-Donaire, José Luís Rodicio Díaz, Prof. M. Ruilope</i>	
Chapter 12.	The Renin-Angiotensin System and the Aging Process	209
	<i>Léon Ferder and Manuel Martínez-Maldonado</i>	
Chapter 13.	Prevention of Chronic Renal Diseases in the Elderly	231
	<i>Sanjib Kumar Sharma, Norberto Perico, Piero Ruggenenti, and Giuseppe Remuzzi</i>	
Chapter 14.	Obstructive Uropathy and Benign Prostatic Hyperplasia	257
	<i>Gerasimos Alivizatos and Andreas Skolarikos</i>	
Chapter 15.	Urinary Tract Infection.....	273
	<i>Lindsay E. Nicolle</i>	
Chapter 16.	Incontinence in the Elderly	293
	<i>Michael Ingber, Pradeep Nagaraju, and Ananias Diokno</i>	
Chapter 17.	The Diagnosis of Renal Diseases in Elderly Patients. What Role Is There for Biopsy?	307
	<i>Franco Vendemia</i>	
Chapter 18.	Diabetic Nephropathy	329
	<i>Alessia Fornoni, Carlos Leon, and Leopoldo Raji</i>	
Chapter 19.	Renal Cystic Disease in the Elderly	347
	<i>Roser Torra Balcells</i>	
Chapter 20.	Renal Vasculitis in the Elderly	373
	<i>David Jayne</i>	
Chapter 21.	Acute Renal Failure in the Aged	385
	<i>Carlos G. Musso, José M. López-Novoa, José Carlos Fernandez and Juan-Florencio Macías-Núñez</i>	
Chapter 22.	Multiorganic Dysfunction Syndrome in the Elderly Critically Ill Patient	403
	<i>Monica Bonello, Zaccaria Ricci, Dimitris Petras, Nereo Zamperetti, and Claudio Ronco</i>	
Chapter 23.	Etiology, Diagnosis, and Management of Chronic Renal Insufficiency in the Aged.....	429
	<i>Jordan L. Rosenstock and Michael F. Michelis</i>	
Chapter 24.	Substitutive Treatments of End-Stage Renal Diseases in the Elderly: Dialysis	443
	<i>Nada Dimkovic and Dimitrios G. Oreopoulos</i>	
Chapter 25.	Substitutive Treatments of End-Stage Renal Diseases in the Elderly: Renal Transplantation	465
	<i>Ali Alobaidli and Sarbjit V. Jassal</i>	

Chapter 26. Pharmacokinetics in the Geriatric Population	481
<i>Alfonso Dominguez-Gil Hurlé, M.J. García Sánchez, M.M. Fernández De Gatta, and Ampara Sánchez Navarro</i>	
Chapter 27. Quality of Life in Elderly Patients with Renal Failure	495
<i>Francisco Ortega and Pablo Rebollo</i>	
Chapter 28. Ethical Dilemmas in Geriatric Uremia Therapy	511
<i>Eli A. Friedman and Amy L. Friedman</i>	
Index.....	531