

# TABLE OF CONTENTS

## **Nephrology/Geriatrics I ..... 1**

**Nephrology/Geriatrics I Panel ..... 3**

### **Acute Kidney Injury**

*By Nicole M. Sifontis, Pharm.D., FCCP, BCPS;  
and Margaret A. Miklich, Pharm.D., BCACP*

Introduction .....	7
Risk Factors Associated with AKI .....	10
General Prevention and Management .....	14
Opportunities for the Pharmacist .....	15
Conclusion .....	16
References .....	17
Self-Assessment Questions .....	20

### **Chronic Kidney Disease**

*By Maria C. Pruchnicki, Pharm.D., FCCP, BCPS, BCACP, CLS*

Introduction .....	25
Evaluation of Patients with CKD .....	26
Drug Dosing in CKD .....	28
CKD Management in the Ambulatory Setting .....	30
Patient-Centered CKD Care .....	38
Conclusion .....	40
References .....	41
Self-Assessment Questions .....	43

## **Nephrology/Geriatrics II ..... 47**

**Nephrology/Geriatrics II Panel ..... 49**

### **Renal Replacement Therapy in Chronic Kidney Disease**

*By Wasim S. El Nekidy, Pharm.D., BCPS, BCACP;  
and Islam M. Ghazi, Pharm.D., MSc, BCPS, BCACP*

Introduction .....	53
Principles of Prescribing in Patients with CKD-5D .....	53
Intermittent Hemodialysis .....	55
Peritoneal Dialysis .....	60
Anemia .....	62
Anticoagulation .....	63
Calciphylaxis .....	68
Dyslipidemia .....	68
Hyperglycemia .....	69
Mineral and Bone Disorders .....	72

Pain Management .....	73
Conclusion .....	74
References .....	74
Self-Assessment Questions .....	79

### **Polypharmacy**

*By Emily P. Peron, Pharm.D., MS, FASCP, BCPS, BCGP;  
and Kristin M. Zimmerman, Pharm.D., BCGP, BCACP*

Introduction .....	85
Approach to Evaluate Appropriateness of Medication Use .....	88
Deprescribing .....	90
Opportunities and Interventions for Pharmacists .....	98
Conclusion .....	100
References .....	100
Self-Assessment Questions .....	103

## **Nephrology/Geriatrics III ..... 107**

**Nephrology/Geriatrics III Panel ..... 109**

### **Neurocognitive Disorders**

*By Christine Eisenhower, Pharm.D., BCPS;  
and Katherine Vogel Anderson, Pharm.D., BCACP*

Introduction .....	113
Delirium .....	113
Major and Mild NCD .....	114
Role of the Ambulatory Care Pharmacist .....	125
Conclusion .....	129
References .....	129
Self-Assessment Questions .....	132

### **Falls in the Older Adult**

*By Crystal Burkhardt, Pharm.D., MBA, BCPS, BCGP;  
and Stephanie M. Crist, Pharm.D., BCACP, BCGP*

Introduction .....	137
Risk Assessment Guidance .....	138
Use of Fall Risk-Increasing Drugs .....	141
Focus of Prevention Programs .....	149
Practice Design to Screen for Fall Risk .....	154
Conclusion .....	156
References .....	156
Self-Assessment Questions .....	160