

American Society of Nephrology

14th Annual Board Review Course and Update

August 29 - September 4, 2009 · San Francisco, California



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Saturday, August 29

- 100 Welcome, Introduction, Certification and Maintenance of Certification, *Marc A. Pohl, MD*

ASSESSMENT OF KIDNEY FUNCTION AND STRUCTURE

- 101 GFR, Performance Equations, Monitoring Progression of CKD, and Interpretation of Proteinuria, Albuminuria, and the Urinary Sediment, *Richard J. Glasscock, MD*
- 102 Imaging the Kidney and Urinary Tract and Urologic Conditions that the Nephrologist Must Know, *Marshall L. Stoller, MD*

PERTURBATIONS IN THE DISTRIBUTION OF THE BODY FLUID COMPARTMENTS AND FLUID AND ELECTROLYTE DISORDERS

- 103 Disorders of Volume and Sodium Regulation: Edema, Hypovolemia, Hypervolemia, and Hypotonic States, *John B. Stokes, III, MD, FASN*
- 104 Principles of Hyponatremia, *Richard H. Sterns, MD*
- 105 Principles of Hypernatremia, *Tomas Berl, MD, FASN*
- 106 Case Discussions I: Volume, Sodium, and Water Disorders, *Tomas Berl, MD, FASN, Richard H. Sterns, MD and John B. Stokes, III, MD, FASN*
- 107 Case Discussions II: Volume, Sodium, and Water Disorders, *Tomas Berl, MD, FASN, Richard H. Sterns, MD and John B. Stokes, III, MD, FASN*

Sunday, August 30

GLOMERULAR AND VASCULAR DISORDERS

- 108 Pathogenesis and Mechanisms of Glomerular Injury, *William G. Couser, MD, FASN*
- 109 Pathology of Glomerulonephritides, *Helmut G. Rennke, MD*
- 110 Idiopathic or Primary Glomerulonephritides, *Jai Radhakrishnan, MD, FASN*
- 111 Secondary Glomerulonephritides and Vasculitis, *Ronald J. Falk, MD, FASN*
- 112 Viral Nephritides, including HIV, CMV, and Hepatitis, *Warren L. Kupin, MD*
- 113 Diabetic Nephropathy, *Richard J. Glasscock, MD*
- 114 Dysproteinemias, Amyloid, Fibrillary Glomerulonephritis, and Thrombotic Angiopathies, *Gerald B. Appel, MD, FASN*
- 115 Panel Discussion: How to Treat Refractory Glomerular Disease, *Gerald B. Appel, MD, FASN, Richard J. Glasscock, MD, and Warren L. Kupin, MD*
- 116 Renal Biopsy Case-Based Workshop, *Gerald B. Appel, MD, FASN, Agnes B. Fogo, MD, Richard J. Glasscock, MD, Jai Radhakrishnan, MD, FASN, and Helmut G. Rennke, MD*
- 117 Selective Genetic Diseases of the Kidney, *Agnes B. Fogo, MD*

Monday, August 31

POTASSIUM AND ACID BASE

- 118 Potassium: Key Physiologic Principles, Hypokalemia, and Hyperkalemia, *Biff F. Palmer, MD, FASN*
- 119 Acid Base Disorders: Basic Physiology, Definitions, and Compensation, *Thomas D. DuBose, Jr., MD, FASN*
- 120 Non-Anion Gap Metabolic Acidosis, *Thomas D. DuBose, Jr., MD, FASN*
- 121 Increased Anion Gap Metabolic Acidosis, *L. Lee Hamm, MD*
- 122 Metabolic Alkalosis, *Thomas D. DuBose, Jr., MD, FASN*
- 123 Respiratory Acidosis and Alkalosis, *L. Lee Hamm, MD*
- 124 Electrolyte and Acid Base Emergencies in the ICU, *Biff F. Palmer, MD, FASN*
- 125 Case Discussions: Acid Base and Potassium Disorders, *Thomas D. DuBose, Jr., MD, FASN, L. Lee Hamm, MD, and Biff F. Palmer, MD, FASN*

TUBULO-INTERSTITIAL DISORDERS AND NEPHROLITHIASIS

- 126 Acute and Chronic Interstitial Diseases, *Gerald B. Appel, MD, FASN*
- 127 Nephrolithiasis: Pathogenesis, Diagnosis, and Treatment, *David A. Bushinsky, MD and Marshall L. Stoller, MD*
- 128 Herbs, NSAIDS, and Heavy Metals: A Recipe for Kidney Failure, *Warren L. Kupin, MD*

Tuesday, September 1

BONE AND MINERAL METABOLISM

- 130 Calcium, Phosphorus, PTH, and Vitamin D: Key Physiologic Principles, *Zalman S. Agus, MD*
- 131 Disorders of Calcium and Phosphorus, *David A. Bushinsky, MD*
- 132 Magnesium: Normal Physiology, Hypomagnesemia, and Hypermagnesemia, *Zalman S. Agus, MD*
- 133 Renal Osteodystrophy, *L. Tammy Ho, MD*
- 134 Treatment Options for Chronic Kidney Disease: Metabolic Bone Disease, *Sharon M. Moe, MD, FASN*
- 135 Case-Based Workshop, *Zalman S. Agus, MD, David A. Bushinsky, MD, L. Tammy Ho, MD, and Sharon M. Moe, MD, FASN*

CLINICAL PHARMACOLOGY

- 136 Principles of Drug Prescribing in Chronic Kidney Disease, Acute Kidney Disease, and ESRD, *George R. Aronoff, MD*

Wednesday, September 2

HYPERTENSION

- 137 Pathophysiology and Treatment of Essential Hypertension, *Phyllis August, MD*
- 138 Hypertensive Urgencies and Emergencies: Clinical Presentations and Therapy, *Raymond R. Townsend, MD*
- 139 Secondary Hypertension: Clinical Syndromes, Diagnostic Workup, and Management, *Raymond R. Townsend, MD*
- 140 Renal Artery Stenosis, Renovascular Hypertension, and Ischemic Nephropathy, *Marc A. Pohl, MD*
- 141 Drug-Induced Hypertension, *George R. Aronoff, MD*
- 142 Panel Questions and Answers, *George R. Aronoff, MD, Phyllis August, MD, Marc A. Pohl, MD, and Raymond R. Townsend, MD*
- 143 Pregnancy, Hypertension, and Kidney Disease, *Phyllis August, MD*

ACUTE KIDNEY INJURY AND ICU NEPHROLOGY

- 144 Acute Kidney Injury: Pathogenesis and Diagnosis, *Bruce A. Molitoris, MD*
- 145 Acute Kidney Injury: Prevention and Non-Dialytic Therapy, *Paul M. Palevsky, MD, FASN*
- 146 Acute Renal Replacement Therapies, *Paul M. Palevsky, MD, FASN*
- 147 Drug Intoxications, *George R. Aronoff, MD*
- 148 Case Discussions: Acute Kidney Injury, Hepatorenal Syndrome, Cardiorenal Syndrome, and ICU Nephrology, *George R. Aronoff, MD, Bruce A. Molitoris, MD, and Paul M. Palevsky, MD, FASN*

Thursday, September 3

CKD, ESRD, ANEMIA, BASIC PRINCIPLES, AND THERAPEUTIC INTERVENTIONS

- 149 Epidemiologic Observations in CKD and ESRD, *Lynda A. Szczech, MD, FASN*
- 150 Dialysis: Basic Principles, Diffusion, Convection, and Ultrafiltration, *Thomas A. Depner, MD*
- 151 Peritoneal Dialysis: Adequacy Issues, *Beth M. Piraino, MD*
- 152 Hemodialysis: Adequacy Issues, *Thomas A. Depner, MD*

- 153 Hemodialysis: Access Issues, Thrombosis, Stenosis, and Infections, *Laura M. Dember, MD, FASN*
- 154 Peritoneal Dialysis: Approach to the Volume Overloaded PD Patient, *John M. Burkart, MD*
- 155 Case Discussions: Infectious and Non-Infectious Complications of Peritoneal Dialysis, *Beth M. Piraino, MD*
- 156 Hemodialysis: Blood Pressure, Volume Control, and Cardiovascular Comorbidities, *William L. Henrich, MD, FASN*
- 157 Management of a Patient with CKD: What You Should Be Doing in Your CKD Clinic, *Jerry Yee, MD, FASN*
- 158 Cystic Diseases, *William M. Bennett, MD, FASN*
- 159 NephSAP Quiz, *Jeffrey S. Berns, MD, FASN and Stanley Goldfarb, MD, FASN*

Friday, September 4

TRANSPLANTATION

- 160 Principles of Transplant Immunobiology: HLA Matching and Mechanisms of Immunosuppressive Drugs, *Douglas J. Norman, MD*
- 161 Evaluation of the Living Donor, *Stephen J. Tomlanovich, MD*
- 162 Evaluation of a Potential Transplant Recipient, *Donald E. Hricik, MD*
- 163 Panel Questions and Answers, *Donald E. Hricik, MD, Douglas J. Norman, MD, and Stephen J. Tomlanovich, MD*
- 164 Medical and Immunosuppressive Management, *William M. Bennett, MD, FASN and Douglas J. Norman, MD*
- 165 The Transplant Biopsy: Indications and Findings, *Jean L. Olson, MD*
- 166 Post Transplant Infectious Complications, *Stuart Cohen, MD*
- 167 Post Transplant Non-Infectious Complications: Rejection, Metabolic, and Surgical, *Donald E. Hricik, MD*

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