

Day 1 Schedule: Saturday, August 2

7:00 a.m. Registration

8:30 a.m. Welcome, Introduction, Certification, and Maintenance of Certification
John M. Burkart, MD, and Mitchell H. Rosner, MD, FASN

Assessment of Kidney Function and Structure

Moderator: *Mitchell H. Rosner, MD, FASN*

9:00 a.m. GFR, Performance Equations, and Monitoring Progression of CKD
Andrew S. Levey, MD

9:45 a.m. Board Review Sample Questions
Mitchell H. Rosner, MD, FASN

10:00 a.m. Imaging the Kidney and Urinary Tract and Urologic Conditions That
the Nephrologist Must Know
Ronald J. Zagoria, MD

10:45 a.m. Announcements / Break

Perturbations in the Distribution of the Body Fluid and Electrolyte Disorders

Moderator: *Mitchell H. Rosner, MD, FASN*

11:00 a.m. John B. Stokes Memorial Lecture: Physiology of Volume and Sodium Regulation
Mitchell H. Rosner, MD, FASN

12:00 p.m. Lunch—Industry Spotlight (*lunch available for all*)

1:15 p.m. Relationship between Sodium and Water:
Principles of Hyponatremia and Hypernatremia
Richard H. Sterns, MD

2:15 p.m. Break

Case Discussions

2:30 p.m. Volume, Sodium, and Water Disorders
*Tomas Berl, MD, FASN, Mitchell H. Rosner, MD, FASN,
and Richard H. Sterns, MD*

5:45 p.m. Adjourn

Day 2 Schedule: Sunday, August 3

Glomerular and Vascular Disorders

Moderators: *Ronald J. Falk, MD, FASN, and Warren L. Kupin, MD*

- 6:45 a.m. Breakfast Session (*breakfast available for all 6:15–7:15 a.m.*)
Pathogenesis and Mechanisms of Glomerular Injury
Patrick H. Nachman, MD, FASN
- 7:45 a.m. Pathology of Glomerulonephritides
Glen S. Markowitz, MD
- 8:45 a.m. Announcements / Break
- 9:00 a.m. Idiopathic or Primary Glomerulonephritides
Stephen M. Korbet, MD, FASN
- 10:00 a.m. Secondary Glomerulonephritides and Vasculitis
Ronald J. Falk, MD, FASN
- 11:15 a.m. Viral Nephritides, Including HIV, CMV, and Hepatitis
Warren L. Kupin, MD
- 12:15 p.m. Lunch (*lunch available only for those who purchased 3-meal package*)
- 1:00 p.m. Case-Based Panel Discussion: How to Treat Refractory Glomerular Diseases
Ronald J. Falk, MD, FASN, MD, Raymond C. Harris, MD, FASN, Stephen M. Korbet, MD, FASN, Glen S. Markowitz, MD, Patrick H. Nachman, MD, FASN, and Jai Radhakrishnan, MD, FASN
- 2:00 p.m. Acute and Chronic Interstitial Diseases
Warren L. Kupin, MD
- 3:00 p.m. Selective Genetic Diseases of the Kidney
Barry I. Freedman, MD
- 3:45 p.m. Break
- 4:00 p.m. Dysproteinemias, Amyloid, Fibrillary Glomerulonephritis, and Thrombotic Angiopathies
Jai Radhakrishnan, MD, FASN
- 5:00 p.m. Glomerulonephritides Case-Based Workshop
Ronald J. Falk, MD, FASN, Raymond C. Harris, MD, FASN, Stephen M. Korbet, MD, FASN, Patrick H. Nachman, MD, FASN, and Jai Radhakrishnan, MD, FASN
- 6:30 p.m. Wine and Cheese Reception
- 8:00 p.m. Adjourn

Day 3 Schedule: Monday, August 4

Potassium and Acid Base

Moderator: *Thomas D. DuBose Jr., MD, FASN*

- 6:45 a.m. Breakfast Session (*breakfast available for all 6:15–7:15 a.m.*)
Hypokalemia and Hyperkalemia
Michael Emmett, MD
- 8:15 a.m. Non-Anion Gap Acidosis
Thomas D. DuBose Jr., MD, FASN
- 9:00 a.m. Announcements / Break
- 9:15 a.m. Increased Anion Gap Metabolic Acidosis
Michael Emmett, MD
- 10:00 a.m. Metabolic Alkalosis
Thomas D. DuBose Jr., MD, FASN
- 10:45 a.m. Respiratory Acidosis and Alkalosis
Roger A. Rodby, MD, FASN
- 11:30 a.m. Lunch—Industry Spotlight (*lunch available for all*)

Tubulointerstitial Disorders and Nephrolithiasis

Moderator: *Michael Emmett, MD*

- 12:45 p.m. Diabetic Nephropathy
Raymond C. Harris, MD, FASN
- 1:30 p.m. Herbs, NSAIDs, and Heavy Metals: A Recipe for Kidney Failure
Warren L. Kupin, MD
- 2:30 p.m. Break

Case Discussions

- 2:45 p.m. Electrolyte, Acid-Base, and Potassium Disorders in the ICU
Thomas D. DuBose Jr., MD, FASN, Michael Emmett, MD, and Roger A. Rodby, MD, FASN
- 6:00 p.m. Adjourn

Day 4 Schedule: Tuesday, August 5

Bone and Mineral Metabolism

Moderator: *Kevin J. Martin, MBBCh, FASN*

- 6:30 a.m. Breakfast Session (*breakfast available for all 6:15–7:15 a.m.*)
Calcium, Phosphorus, PTH, FGF 23, and Vitamin D: Key Physiologic Principles
Kevin J. Martin, MBBCh, FASN
- 7:30 a.m. Cystic Diseases
Arlene B. Chapman, MD
- 8:00 a.m. Disorders of Calcium and Phosphorous
Zalman S. Agus, MD
- 9:00 a.m. Announcements / Break
- 9:15 a.m. Pathogenesis of Metabolic Bone Diseases
Stuart M. Sprague, DO, FASN
- 10:00 a.m. Magnesium: Normal Physiology, Hypomagnesemia, and Hypermagnesemia
Zalman S. Agus, MD
- 10:45 a.m. Treatment Options for Patients with Metabolic Bone Diseases
Stuart M. Sprague, DO, FASN
- 11:30 a.m. Lunch (*lunch available only for those who purchased 3-meal package*)
- 12:15 a.m. Case-Based Workshop for Bone and Mineral Metabolism
Zalman S. Agus, MD, Stuart M. Sprague, DO, FASN, and Kevin J. Martin MBBCh, FASN
- 1:30 p.m. Nephrolithiasis: Pathogenesis, Diagnosis, and Medical Management
Orson W. Moe, MD
- 2:30 p.m. Nephrolithiasis: Challenging Cases
Orson W. Moe, MD
- 3:00 p.m. Adjourn

Day 5 Schedule: Wednesday, August 6

Hypertension

Moderator: *Stephen C. Textor, MD*

- 6:30 a.m. Breakfast Session (*breakfast for all 6:15–7:15 a.m.*)
Pathophysiology and Treatment of Essential Hypertension
Phyllis August, MD
- 7:30 a.m. Secondary Hypertension: Clinical Syndromes, Diagnostic Workup,
and Management
Joseph V. Nally, MD
- 8:30 a.m. Drug-Induced Hypertension
Raymond R. Townsend, MD
- 9:00 a.m. Announcements / Break
- 9:30 a.m. Renal Artery Stenosis, Renovascular Hypertension, and Ischemic Nephropathy
Stephen C. Textor, MD
- 10:15 a.m. Hypertensive Urgencies and Emergencies: Clinical Presentations and Therapy
Raymond R. Townsend, MD
- 11:00 a.m. Case Discussions: Panel Q&A
*Phyllis August, MD, Joseph V. Nally, MD, Stephen C. Textor, MD,
and Raymond R. Townsend, MD*
- 12:00 p.m. Lunch (*lunch available only for those who purchased 3-meal package*)
- 12:45 p.m. Pregnancy: Hypertension and Kidney Disease
Phyllis August, MD

AKI, ICU Nephrology, and Pharmacology

Moderator: *Paul M. Palevsky, MD, FASN*

- 1:45 p.m. AKI: Pathogenesis, Diagnosis, Biomarkers, and Risk Assessment
Anupam Agarwal, MD, FASN
- 2:30 p.m. AKI: Prevention and Non-Dialytic Therapy
Paul M. Palevsky, MD, FASN
- 3:30 p.m. Break
- 3:45 p.m. Acute Renal Replacement Therapies
Ashita J. Tolwani, MD
- 4:45 p.m. Case Discussions: AKI and ICU Nephrology
Anupam Agarwal, MD, FASN, Paul M. Palevsky, MD, FASN, and Ashita J. Tolwani, MD
- 6:15 p.m. Adjourn

Day 6 Schedule: Thursday, August 7

CKD, ESRD, Anemia, Basic Principles, and Therapeutic Interventions

Moderators: *John M. Burkart, MD, and Mitchell H. Rosner, MD, FASN*

- 6:30 a.m. Breakfast Session (*breakfast for all 6:15–7:15 a.m.*)
Anemia Management
Joseph V. Nally, MD
- 7:30 a.m. Drug Intoxications
Mitchell H. Rosner, MD, FASN
- 8:15 a.m. Hemodialysis: Adequacy Metrics for Center HD and Frequent HD—
What Are the Targets and How Do We Standardize Them?
John T. Daugirdas, MD, FASN
- 9:00 a.m. Peritoneal Dialysis: Adequacy Issues
John M. Burkart, MD
- 9:30 a.m. Announcements / Break
- 9:45 a.m. Hemodialysis Access Issues: Preventing and Managing Infections
Michael Allon, MD
- 10:30 a.m. Peritoneal Dialysis: Clinical Approach to Blood Pressure and Volume Control
John M. Burkart, MD
- 11:45 a.m. Case-Based Discussions: Management of Common Medical Problems in the
Dialysis Patient—Sleep Disorders, Pain Management, Nutrition, and Depression
*Rajiv Agarwal, MD, MBBS, FASN, John M. Burkart, MD, Joseph V. Nally, MD,
and Mitchell H. Rosner, MD, FASN*
- 12:15 p.m. Lunch—Industry Spotlight (*lunch available for all*)
- 1:30 p.m. Selected Complications of Hemodialysis: A Case-Based Approach
John M. Burkart, MD
- 2:15 p.m. Principles of Drug Prescribing in Acute and Chronic Kidney Disease
William M. Bennett, MD, FASN
- 2:45 p.m. Hemodialysis: Blood Pressure, Volume Control, and Preventing Cardiovascular
Comorbidities
Rajiv Agarwal, MD, MBBS, FASN
- 3:45 p.m. Break

Day 6 Schedule: Thursday, August 7 (cont.)

- 4:00 p.m. Infectious and Non-Infectious Complications of Peritoneal Dialysis:
A Case-Based Approach
John M. Burkart, MD
- 5:00 p.m. Hemodialysis Access Issues: Preventing Non-Infections Complications
Michael Allon, MD
- 5:45 p.m. CKD: Board Questions
John M. Burkart, MD and Mitchell H. Rosner, MD, FASN
- 6:30 p.m. Adjourn

Day 7 Schedule: Friday, August 8

Transplantation

Moderator: *Donald E. Hricik, MD*

- 6:30 a.m. Breakfast Session (*breakfast for all 6:15–7:15 a.m.*)
Principles of Transplant Immunobiology: Practical Clinical Issues
Douglas J. Norman, MD
- 7:30 a.m. Transplant Biopsy: Indications and Findings
Jean L. Olson, MD
- 8:00 a.m. Announcements / Break
- 8:15 a.m. Medical and Immunosuppressive Management: A Case-Based Approach
William M. Bennett, MD, FASN, and Douglas J. Norman, MD
- 9:30 a.m. Post-Transplant Non-Infectious Complications
Donald E. Hricik, MD
- 11:00 a.m. Post-Transplant Infectious Complications
Michael G. Ison, MD
- 12:00 p.m. Closing Remarks
John M. Burkart, MD, and Mitchell H. Rosner, MD, FASN
- 12:15 p.m. Adjourn