

A man with dark hair and a beard, wearing a plaid shirt and a blue lanyard, is seated at a conference booth. He is focused on his work, with his hands on a laptop keyboard. The booth is equipped with multiple laptops, a smartphone, a mouse, and some papers. In the background, another person is partially visible. The overall scene suggests a professional networking or educational event.

ASN



ASN BOARD REVIEW COURSE & UPDATE

July 28 – August 2, 2018 | Chicago, IL
Fairmont Chicago Millennium Park

Overview

The American Society of Nephrology (ASN) Board Review Course & Update (BRCU) focuses on key information needed to prepare for the ABIM Nephrology Board certification and recertification examinations. ASN structures BRCU to maximize participants' readiness for these examinations.

BRCU is the best way to sharpen your knowledge and review key nephrology concepts. Interactive case discussions are incorporated into lectures and panel Q&A sessions to help provide a comprehensive and indispensable update for practicing nephrologists. Each topic and its time allocation are patterned after the ABIM nephrology examination, giving you the most efficient preparation.

Through this course, you will be able to interpret the fundamental concepts of nephrology in the areas of:

- Kidney Function and Structure
- Sodium and Water Abnormalities
- Glomerular and Vascular Disorders
- Acid-Base and Potassium Disorders
- Tubular, Interstitial, and Cystic Disorders
- CKD and ESRD
- Hypertension
- AKI and ICU Nephrology
- Pharmacology
- Calcium, Phosphorus, and Magnesium Disorders and Stones
- Bone and Mineral Metabolism
- Kidney Transplantation

You will also formulate diagnostic and therapeutic options for the management of kidney diseases and test individual medical practice competence against a series of simulated patient/case scenarios.

Who Should Attend?

- Senior Nephrologists: Practicing nephrologists in all key areas of the specialty. The course also benefits pediatric nephrologists, intensivists, and hospitalists.
- Board Examination Participants: Individuals are thoroughly prepared for certification and recertification exams.
- Nephrology Fellows: Fellows seeking a detailed outline and discussion of what their current fellowship program should include.
- FASN Candidates: The 65 CME credit hours earned at BRCU can be applied toward the 70 hours required to qualify for FASN status.

Highlights

- Exam-focused curricula, patterned after the ABIM blueprint
- Opportunity to interact with 30 expert faculty
- Interactive case-based studies
- **NEW!** "How to Study for the Boards; How to Approach a Board Question" presentation
- Printed course books – three volumes with slides and references
- Complimentary online access to all lectures after the course (streaming media and downloadable audio)
- Online practice exam with approximately 300 questions
- Up to 65 CME Credits and MOC Points

Welcome

Dear Colleagues,

On behalf of ASN, we are pleased to invite you to the 2018 Board Review Course & Update (BRCU), held at the Fairmont Chicago Millennium Park Hotel from Saturday, July 28, through Thursday, August 2.

We have worked to bring together an impressive and diverse line-up of nephrology experts to provide you with a comprehensive review of the most important renal topics. Throughout the course, you will experience both live and online lectures, case discussions, audience response questions, and updates on emerging information that you can bring home to your practice and to the boards. This course aims to provide you with a basis of keeping your knowledge up-to-date, along with preparing you for your initial or recertification examination.

In addition, the course will be held in the beautiful city of Chicago which offers both travel convenience and the amazing summer activities this vibrant city can offer. Please join us for an exciting week at BRCU.

Sincerely,



**Mark A. Perazella,
MD, FASN**
Yale School of Medicine



**Roger A. Rodby,
MD, FASN**
*Rush University
Medical Center*



**Laura J. Maursetter,
DO, FASN**
*University of Wisconsin
School of Medicine and
Public Health*



Faculty

Course Directors

Mark A. Perazella, MD, FASN, Yale School of Medicine

Roger A. Rodby, MD, FASN, Rush University Medical Center

Laura J. Maursetter, DO, FASN, University of Wisconsin School of Medicine and Public Health

Key Topic Experts

Expert nephrologists are an indispensable resource when preparing for the ABIM nephrology examination. ASN selects renowned faculty to cover medical content from each exam topic.

Zalman S. Agus, MD, University of Pennsylvania School of Medicine ✕

Michael Allon, MD, University of Alabama at Birmingham School of Medicine

William M. Bennett, MD, FASN, Legacy Good Samaritan Medical Center

John M. Burkart, MD, Wake Forest University School of Medicine ✕

Christopher T. Chan, MD, Toronto General Hospital

Tara I. Chang, MD, MS, FASN, Stanford University School of Medicine

Arlene B. Chapman, MD, University of Chicago Department of Medicine ✕

John T. Daugirdas, MD, FASN, University of Illinois College of Medicine ✕

Thomas D. DuBose Jr., MD, FASN, Wake Forest University School of Medicine ✕

Michael Emmett, MD, Baylor University Medical Center ✕

Ronald J. Falk, MD, FASN, University of North Carolina School of Medicine

Barry I. Freedman, MD, Wake Forest University School of Medicine

Richard J. Glasscock, MD, David Geffen School of Medicine at UCLA ✕

Raymond C. Harris, MD, FASN, Vanderbilt University School of Medicine ✕

Susan Hedayati, MD, MS, FASN, University of Texas Southwestern

Michelle A. Hladunewich, MD, MS, FASN, University of Toronto Sunnybrook Research Institute

Susie L. Hu, MD, Alpert Medical School of Brown University

Michael G. Ison, MD, MS, Northwestern University Feinberg School of Medicine

Michelle A. Josephson, MD, University of Chicago Department of Medicine

Jay L. Koyner, MD, University of Chicago Department of Medicine

Andrew S. Levey, MD, Tufts Medical Center ✕

Laura H. Mariani, MD, MS, University of Michigan

Glen S. Markowitz, MD, Columbia University Medical Center

Orson W. Moe, MD, University of Texas Southwestern Medical Center

Gilbert Moeckel, MD, PhD, FASN, Yale University School of Medicine ✕

Patrick H. Nachman, MD, FASN, University of North Carolina School of Medicine

Joseph V. Nally, MD, Cleveland Clinic

Biff F. Palmer, MD, FASN, University of Texas Southwestern Medical Center

Meyeon Park, MD, FASN, UCSF Department of Medicine

Jai Radhakrishnan, MD, MBBS, MS, FASN, Columbia University Medical Center

Robert F. Reilly, MD, University of Alabama at Birmingham School of Medicine

Mitchell H. Rosner, MD, FASN, University of Virginia School of Medicine

Stuart M. Sprague, DO, FASN, University of Chicago Pritzker School of Medicine ✕

Stephen C. Textor, MD, Mayo Clinic

Ashita J. Tolwani, MD, MS, University of Alabama at Birmingham School of Medicine

Mark L. Unruh, MD, University of New Mexico School of Medicine

Suzanne Watnick, MD, University of Washington

Myles S. Wolf, MD, Duke University School of Medicine

✕ *Online Content Faculty*

Saturday, July 28

8:30 a.m. – 6:00 p.m.

Assessment of Kidney Function and Structure

Live and online lectures will start with the basics of renal function and structure exploring eGFR, CKD staging, urinalysis/urine microscopy, and imaging techniques that are commonly used for diagnosis and management. These lectures will employ cases and audience response questions to highlight board material.

- Board Review Warm-Up Sample Questions
- Urinalysis/Urine Microscopy: A Case-Based Approach
- Approach to the Interpretation of Proteinuria, Albuminuria, Hematuria, and Urinary Sediment ✕
- Estimating GFR: From Physiology to Public Health ✕

Perturbations in the Distribution of the Body Fluid Compartments and Fluid and Electrolyte Disorders

Review the principles of sodium and water homeostasis and put your knowledge to the test with some difficult case examples. Study the diseases of the interstitium including acute and chronic conditions as well as some of the cystic disorders.

- John B. Stokes Memorial Lecture: Physiology of Volume Control and Sodium Homeostasis ✕
- Imaging Cases in Nephrology
- Relationship between Sodium and Water: Principles of Hyponatremia and Hypernatremia
- Case Discussions: Volume, Sodium, and Water Disorders
- **NEW!** How to Study for the Boards; How to Approach a Board Question
- Acute and Chronic Interstitial Nephritis
- Renal Cystic Disease Cases
- Poisonings and Intoxications

"The presentation, the content and flow were superb. I did pass the test and while I'm good for another 10 years, I will be attending the course quite regularly. I would recommend the course to all my friends and make it mandatory to my group as it enhances clinical skills as well."

Mahendra L. Agraharkar,
MD, FASN
League City, TX

Sunday, July 29

7:00 a.m. – 6:00 p.m.

Glomerular and Vascular Disorders

Engage in a rapid yet comprehensive, review of the glomerular diseases as explained by top experts in the field. We will streamline the pathology before holding a lively, case-based discussion to solidify the knowledge you have learned.

- Diabetic Nephropathy ✕
- Pathogenesis and Mechanisms of Glomerular Injury
- Pathology of Glomerulonephritides
- Idiopathic and Primary Glomerulonephritides
- Secondary Glomerulonephritides and Vasculitis
- Viral Nephritides, Including HIV, CMV, and Hepatitis
- Glomerulonephritides: Case-Based Workshop I
- Diabetic Kidney Disease Board Cases
- Dysproteinemias, Amyloid, Fibrillary Glomerulonephritis, and Thrombotic Angiopathies
- Glomerulonephritides: Case-Based Workshop II
- Onconeurology Board Cases

Monday, July 30

7:00 a.m. – 6:00 p.m.

Potassium and Acid Base

Excellent educators will simplify these topics as we study the basics of potassium and acid-base handling. Review the physiology before we challenge your skills with audience response questions aimed to improve your understanding.

- Potassium: Physiological Principles, Hypokalemia, and Hyperkalemia ✕
- Acid-Base Disorders: Key Core Concepts ✕
- Hypokalemia and Hyperkalemia
- Non-Anion Gap Acidosis
- Increased Anion Gap Metabolic Acidosis
- Metabolic Alkalosis
- Acid-Base Board Cases
- Genetic Renal Disease

✕ *Online only*

Tubulointerstitial Disorders and Nephrolithiasis

Experts will bring together disorders of the tubulointerstitial system in a way that can enhance understanding. There will be a focus on drug toxicity before transitioning to nephrolithiasis. Cases will provide realistic examples to highlight board-relevant material.

- Nephrotoxins for the Boards
- Acid-Base, Electrolyte, Genetics, and Nephrotoxin Cases for the Boards
- Pregnancy and Kidney Disease
- Nephrolithiasis: Pathogenesis, Diagnosis, and Medical Management
- Nephrolithiasis: Challenging Cases

Tuesday, July 31

7:00 a.m. – 6:00 p.m.

CKD and ESRD

Spend the day immersed in the challenges of the ESRD patient. Through physiology lectures, updates on management, and challenging cases, engage your learning for improved knowledge of our dialysis patients.

- How Dialysis Works: Physics/Physiology of Dialysis: The Basics Similarities, and Differences between PD and HD ✕
- Hemodialysis: Adequacy Metrics for Center HD and Frequent HD—What Are the Targets and How Do We Standardize Them? ✕
- Cystic Kidney Disease: Inherited and Acquired ✕
- Principles of Drug Prescribing in Acute and Chronic Kidney Disease ✕
- CKD and ESRD: Sample Board Cases
- Common Medical Problems in the ESRD Patient
- Dialysis Board Cases
- ESRD Vascular Access
- Dialysis: Cardiovascular and Blood Pressure Issues
- Peritoneal Dialysis: Clinical Approach to Blood Pressure and Volume Control
- Anemia Management and Metabolic Acidosis in CKD
- Dialysis: HD/PD Adequacy Issues
- Peritoneal Dialysis: Infectious and Noninfectious Issues
- Hemodialysis: Selected Complications
- Board Review Cases

"While BRCU helped me prepare for recertification, it also provided great updates in the field of nephrology and references for future cases. I will attend the course in the future and encourage my colleagues to do the same."

Anna B. Gopaniuk-Folga, MD
Niles, IL



Wednesday, August 1

7:00 a.m. – 6:00 p.m.

Hypertension

Revive your understanding of the pathophysiology and treatment of the various causes of hypertension. Experts will share knowledge on diagnosis and management of challenging cases through discussion and audience response.

- Pathophysiology and Treatment of Essential Hypertension
- Secondary Hypertension: Clinical Syndromes, Diagnostic Workup, and Management
- Drug-Induced Hypertension
- Renal Artery Stenosis, Renovascular Hypertension, and Ischemic Nephropathy
- Hypertensive Urgencies and Emergencies: Clinical Presentations and Therapy
- Hypertension Case Discussions

AKI, ICU Nephrology, and Pharmacology

Live lectures, case studies, and audience-response questions will focus on the prevention, diagnosis, and management of AKI. Various forms of acute renal replacement therapy will be discussed along with other critical care nephrology topics to solidify board relevant material.

- AKI: Pathogenesis, Diagnosis, Biomarkers, and Risk Assessment
- AKI: Prevention and Non-Dialytic Therapy
- Acute Renal Replacement Therapies
- Case Discussions: AKI and ICU Nephrology

Thursday, August 2

7:00 a.m. – 5:00 p.m.

Bone and Mineral Metabolism and Transplantation

Online lectures will review the physiology before joining experts in discussions on the nuances of bone and mineral metabolism. Finish out the week with a focus on the basics and complexities of transplant.

- Pathogenesis of Metabolic Bone Disease ✕
- Disorders of Calcium and Phosphate Metabolism ✕
- Magnesium: Normal Physiology, Hypomagnesemia, and Hypermagnesemia ✕
- Transplant Biopsy: Indications and Findings ✕
- Calcium/Phosphorus/PTH, Vitamin D, and FGF-23: Pathophysiology of Metabolic Bone Disease
- Treatment of Metabolic Bone Disease
- Metabolic Bone Disease Cases
- Transplant Immunology
- Transplant Cases
- Post-Transplant Non-Infectious Complications
- Post-Transplant Infectious Complications
- Board Cases

For the full course agenda, visit www.asn-online.org/BRCU.

"This is a great board review course that I would highly recommend. The lectures provided a comprehensive review of all renal topics and the speakers were great throughout the week."

Mitesh Shah, DO
Washington, DC

✕ *Online only*

How Do I Register?

To register for BRCU, visit www.asn-online.org/BRCU. **Register by July 5**, to ensure your space and receive early-bird pricing.

Registrant Type	Until 7/5	After 7/5
ASN Member	\$1,395	\$1,495
ASN Fellow-in-Training Member	\$995	\$1,095
Nonmember	\$1,695	\$1,795

Not an ASN Member? Become one today!
Visit www.asn-online.org/membership

What is included in my registration fee?

- Exam-focused curricula with expert faculty, patterned after the ABIM nephrology examination blueprint
- Printed course books – three volumes with all course slides and references
- Complimentary access to all lectures online after the course (streaming media and downloadable audio)
- Online practice exam with approximately 300 questions
- Complimentary continental breakfasts (daily) and lunches (Saturday-Monday)

Accreditation and CME Credit Designation Statements

ASN is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

ASN designates this live activity for a maximum of *65.0 AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

ABIM MOC Statement

Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 65.0 MOC points in the American Board of Internal Medicine’s (ABIM) Maintenance of Certification (MOC) program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity. It is the CME activity provider’s responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC points.

Hotel and Travel Information

Hotel

Fairmont Chicago Millennium Park

200 North Columbus Drive

Chicago, IL 60601

Hotel Phone: 312-565-8000

Reservations: 800-526-2008

Group Code: ASN BRCU 2018

ASN Room Rate: \$212 single/double (plus applicable taxes and fees)

The Fairmont Chicago Millennium Park is centrally located in downtown Chicago, close to Lake Michigan and the Magnificent Mile.

ASN has secured a limited number of rooms at the Fairmont Chicago Millennium Park. All rooms booked under the ASN group will receive complimentary internet in their guestrooms. Course rooms are located just steps away within the hotel.

The cutoff date to book housing at the Fairmont is **Thursday, July 5, 2018**, or until block is sold. To make your room reservation via phone please call 1-800-526-2008 and mention the Group Code: ASN BRCU 2018 or to book your hotel room online visit www.asn-online.org/BRCU and click on Housing & Travel. A major credit card is required to reserve a room.

Travel Information

Chicago is served by two international airports – O'Hare International Airport (17 miles from downtown Chicago) and Midway International Airport (10 miles from downtown Chicago). Choose your airport based on your schedule and preferred airline. Visit FlyChicago.com for more information about Chicago airports, including amenities and ground transportation. ASN recommends that registrants do not make non-refundable travel arrangements until your course registration is confirmed.

International Attendees

Please visit www.asn-online.org/BRCU and click on Housing & Travel to download an international attendee invitation letter.

Questions?

Contact ASN at meetings@asn-online.org or call 202-640-4660.



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American Society of Nephrology
1510 H Street NW | Suite 800
Washington, DC 20005

Register at
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FACE THE BOARDS WITH CONFIDENCE