A Prescription for Success
The Board Review Course & Update (BRCU) focuses on key information needed to prepare for the American Board of Internal Medicine (ABIM) Nephrology Board Certification and Maintenance of Certification (MOC) Examinations. ASN structures and schedules this course to maximize participants’ readiness for these examinations. This course also provides a comprehensive and indispensable update for practicing nephrologists.

Learning Objectives
At the conclusion of this activity, the participant will be able to:
1. Interpret the fundamental concepts of nephrology in the areas of kidney function/structure; fluid and electrolytes; glomerular/vascular disorders; tubulointerstitial disorders; bone/mineral metabolism, and stones; hypertension; AKI and ICU nephrology; CKD, ESRD, and dialysis; and transplantation;
2. Formulate diagnostic and therapeutic options for the management of kidney disease; and
3. Test individual medical practice competence against a series of simulated patient/case scenarios.

BRCU Format
Each BRCU topic section and its applicable time allocation are patterned after the ABIM Nephrology Certification Examination Blueprint. Lectures, interactive case discussions, and panel Q&A sessions reinforce key knowledge in nephrology. Relevant physiology and pathophysiology blend with clinical discussions to keep participants engaged and to provide essential updates and preparation.

Target Audience
• Practicing 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 upcoming Certification and MOC exams.
• Nephrology Fellows: Fellows seeking a detailed outline and discussion of what their current fellowship program should include.
• Fellowship in ASN: The CME credit hours earned can be applied towards the 70 hours required to qualify for FASN status.

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

Credit Designation Statement
ASN designates this enduring material for a maximum of 65.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Statement from ABIM
This course has been developed as an original and independent educational offering based on the public ABIM examination blueprint and is not approved or endorsed by ABIM. In accordance with ABIM policy, no ABIM Board members have been involved in the development of this course. ASN cannot guarantee that attending this course will result in passing the ABIM examination.

Important: The Accreditation Council for Continuing Medical Education (ACCME) prohibits physicians from claiming CME credits for activities identical in educational material. This includes enduring activities derived from live activities. Participants of the BRCU 2014 Live course cannot claim CME credits for BRCU Online 2014.
Original Release and Last Review Date
August 2014

CME and Post-Test Termination Date
August 31, 2015

Estimated Time for Completion
65 hours

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Faculty, Planner, and Staff Disclosure

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ASN requires all individuals in a position to control content for the ASN Board Review Course & Update 2014 to complete disclosure forms on the ASN website. Responses are listed below.

Faculty Disclosure Statements:


Rajiv Agarwal—Current Employer: VA Medical Center, Indiana Univ, IU Heath Physicians Consultancy: Abbvie, Amgen, Ardelyx, Bayer, Boehringer Ingelheim, Celgene, Daiichi Sankyo, Reata, Relypsa, Roche, Sandoz, Sigma Tau, Takeda, ZS Pharma Research Funding: NIH, VA, Daiichi Sankyo Honoraria: Abbvie, Amgen, Ardelyx, Bayer, Boehringer, Celgene, Daiichi Sankyo, Reata, Relypsa, Roche, Sandoz, Sigma Tau, Takeda, ZS Pharma Scientific Advisor/Membership: KDIGO, USRDS, Kidney Int, CJASN, Hypertension, NDT, AJN, JASH, Seminars in Dialysis, Abbvie, Amgen, Bayer, Boehringer, Celgene, Reata, Roche, Sandoz, Sigma Tau, ZS Pharma.

Zalman Agus—Honoraria: UpToDate.

Michael Allon—Current Employer: Univ of Alabama at Birmingham Consultancy: CorMedix Honoraria: ASN Scientific Advisor/Membership: CJASN Assoc Editor.

Phyllis August—Current Employer: Weill Medical College of Cornell Univ Honoraria: Cardiovascular Research Foundation; Sandoz Pharmaceutical Company Scientific Advisor/Membership: CJASN; Preeclampsia Foundation - Medical Advisory Board.

William Bennett—Current Employer: Legacy Good Samaritan Medical Center.

Tomas Berl—Current Employer: Univ of Colorado Health Sciences Center Scientific Advisor/Membership: Bristol-Myers Squibb.

John Burkart—Current Employer: Wake Forest Univ School of Medicine and Health Systems Management Consultancy: Ad Hoc - NxStage Research Funding: Amgen Honoraria: Davita, ISPD, Univ
of Missouri, Harvard **Scientific Advisor/Membership:** NxStage **Other Interests/Relationships:** Unrestricted educational grants to ISPD/Wake Forest for HDU’s from: Baxter, NxStage, Medigroup, Davita.

**Arlene Chapman**—**Current Employer:** Emory Univ **Consultancy:** Otsuka Pharmaceuticals; Pfizer, Sanofi Pharmaceuticals **Research Funding:** Otsuka Pharmaceuticals **Scientific Advisor/Membership:** Otsuka Pharmaceuticals.

**John Daugirdas**—**Current Employer:** Univ of Illinois College of Medicine **Consultancy:** B. Braun, Novaflux, Fresenius Medical Care, Baxter **Ownership Interest:** ZS Pharma **Honoraria:** B.Braun.

**Thomas DuBose**—**Honoraria:** ASN.

**Michael Emmett**—**Current Employer:** Baylor Univ Medical Center **Consultancy:** ZS Pharma **Honoraria:** ZS Pharma.

**Ronald Falk**—**Current Employer:** Univ of North Carolina, Chapel Hill School of Medicine.

**Barry Freedman**—**Current Employer:** Wake Forest School of Medicine **Research Funding:** Impeto **Scientific Advisor/Membership:** Chairman - ESRD Network 6 Board of Directors (volunteer position).

**Raymond Harris**—**Current Employer:** Vanderbilt Univ **Consultancy:** Prometic, Amgen, Lilly **Research Funding:** Bristol-Myers Squibb, NIH-NIDDK, Veterans Administration, Prometic **Honoraria:** Univ Tokyo, UT Southwestern, Univ Pennsylvania, Mid-Atlantic Young Investigators Forum, NIH, Univ of Virginia, Yale, Duke, StonyBrook **Patents/Inventions:** eNOS db/db mouse **Scientific Advisor/Membership:** Lilly, J Clin Invest Editorial Board, Prometic, NIH-PB KD Study Section, JDRF Innovation Study Section.

**Donald Hricik**—**Current Employer:** Univ Hospitals Case Medical Center **Consultancy:** Oxford Immunotec **Honoraria:** Genentech.

**Michael Ison**—**Current Employer:** Northwestern Univ Feinberg School of Medicine **Consultancy:** Alios, Abbott, Crucell, Genentech/Roche; Unpaid Consultation - Adamas, BioCryst, Biota, Cellex, Clarassance, GlaxoSmithKline, GenMarkDX, Romark, Toyama/MediVector, NexBio, Theraclove, Vertex, Visterra **Research Funding:** Anolinx, Cellex, Chimerix, Crucell, GlaxoSmithKline, NexBio, ViroPharma **Scientific Advisor/Membership:** Genentech/Roche **Other Interests/Relationships:** American Society of Transplantation (Board Member), United Network for Organ Sharing (Board Member) **Other Interests/Relationships:** Unpaid Consultation - Adamas, BioCryst, Biota, Cellex, Clarassance, GlaxoSmithKline, GenMarkDX, Romark, Toyama/MediVector, NexBio, Theraclove, Vertex, Visterra; Data and Safety Monitoring Board Participation - Abbott, Biota, NexBio.

**Stephen Korbet**—**Current Employer:** Rush Univ Medical Center, E J Lewis, MD and Associates **Consultancy:** TG Therapeutics, Keryx **Honoraria:** ASN, TG Therapeutics, Keryx **Scientific Advisor/Membership:** CJASN, JASN, The Renal Network.

**Warren Kupin**—**Current Employer:** Univ of Miami School of Medicine.

**Andrew Levey**—**Research Funding:** Amgen, Pharmalink, Gilead **Honoraria:** Academic medical centers for visiting professorships **Scientific Advisor/Membership:** NKF.

**Glen Markowitz**—**Current Employer:** Columbia Univ Medical Center **Consultancy:** Genzyme/US Sanofi.

**Kevin Martin**—**Current Employer:** St. Louis Univ School of Medicine **Consultancy:** KAI Pharmaceuticals, Cytochroma, Abbvie, Diasorin, Keryx **Honoraria:** Diasorin, Keryx, Amgen, Abbvie, Cytochroma **Scientific Advisor/Membership:** Cytochroma, NephSAP, Clinical Nephrology, Abbvie, Keryx, Diasorin.
Orson Moe—Current Employer: Univ of Texas Southwestern Medical Center Consultancy: Allena, Ardelyx Research Funding: Genzyme GRIP Grant Investigator initiated Scientific Advisor/Membership: Editor - Seldin Giebisch The Kidney, Editor – Curr Opin of Nephrol and Hypertens, Editorial Board - JASN, Am J Physiol.

Patrick Nachman—Current Employer: Univ of North Carolina Consultancy: GlaxoSmithKline (past, unpaid) Research Funding: Alexion Pharmaceuticals (past) Scientific Advisor/Membership: Chemocentryx (unpaid).

Joseph Nally—Current Employer: Cleveland Clinic, Q7 Consultancy: Amgen, MediBeacon Honoraria: ASN Scientific Advisor/Membership: MediBeacon.


Jean Olson—Current Employer: Univ of California San Francisco Honoraria: ASN.

Paul Palevsky—Current Employer: VA Pittsburgh Healthcare System and Univ of Pittsburgh Consultancy: Complexa Research Funding: Spectral Diagnostics Scientific Advisor/Membership: Member Quality, Safety, and Accountability Committee, RPA; Vice-Chair, Quality Insights Renal Network 4; Member, Scientific Advisory Board, NKF; Deputy Editor, CJASN; Editor, Renal Failure, UpToDate; Editorial Board, ACCP Self-Education and Evaluation of Knowledge, Critical Care Other Interests/Relationships: Editorial Board, UpToDate.

Mark Perazella—Current Employer: Yale Univ School of Medicine Scientific Advisor/Membership: CJASN- AE Clinical Nephrology and AKI Series Editor, AJKD- Core Curriculum Series.

Jai Radhakrishnan—Current Employer: Columbia Univ Medical Center Consultancy: Merck: Hepatitis C Study: Steering Committee Research Funding: Otsuka, Sanofi Honoraria: Salix, Genentech, Boehringer-Ingelheim, UpToDate Scientific Advisor/Membership: Kidney Int - Assoc Editor, ISN - Education Committee, Publication Committee, Web Committee.

Roger Rodby—Current Employer: Rush Univ Medical Center Consultancy: NxStage Medical, Keryx Pharmaceuticals Honoraria: NxStage Medical, Keryx Pharmaceuticals Scientific Advisor/Membership: NxStage Medical Scientific Advisory Board.

Mitchell Rosner—Current Employer: Univ of Virginia Consultancy: Johnson and Johnson; Astute Medical, Novartis, Abbvie, Otsuka Honoraria: ASN Scientific Advisor/Membership: Editorial Board of Am J Kidney Dis and CJASN, Board of Directors of RPA.


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Ashita Tolwani—Current Employer: Univ of Alabama at Birmingham Consultancy: Baxter-Gambro Renal Products - Expert Panel Research Funding: Cytopheryx Honoraria: Baxter-Gambro Expert Panel Patents/Inventions: Patent on 0.5% trisodium citrate solution for CRRT anticoagulation; license bought by Baxter-Gambro; I have not received royalties over the past year. Scientific Advisor/Membership: CJASN Editorial Board Member, BMC Nephrology Editorial Board.

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Ronald Zagoria—Current Employer: Univ of California, San Francisco.

Staff Disclosure Statements
The following ASN staff do not have anything to disclose:

Charyl Delaney, Lauren Gay, Jin Soo Kim, Phillip Kokemueller, Lisa Netha, Kara Page, Ryan Russell, Alisha Workman

All disclosure information as of 05/02/2014.

View the full ASN Conflict of Interest and Disclosure Policy.

Hardware/Software Requirements
Computers
Any computer running Windows and Mac OS machines are supported.

System Requirements
Mobile Viewing Requirements

<table>
<thead>
<tr>
<th>Android Smartphones</th>
<th>Android 2.3+ with Adobe Flash Player 10.2 or better installed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apple Devices</td>
<td>iOS 4+</td>
</tr>
</tbody>
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Online Viewing Requirements

<table>
<thead>
<tr>
<th>Bandwidth</th>
<th>512kbps</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required Hardware and Software</td>
<td>Screen resolution of 1024X768 or larger</td>
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<tr>
<td></td>
<td>Sound card and speakers/headphones</td>
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<tr>
<td>Browser</td>
<td>Microsoft Internet Explorer 7.0 or better</td>
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<td></td>
<td>Mozilla Firefox 4 or better</td>
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<td></td>
<td>Safari 5 or better</td>
</tr>
<tr>
<td>Windows</td>
<td>Operating System: Windows 7; Windows Vista; Windows XP Service Pack 2 or 3</td>
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<td></td>
<td>X86 or x64 (Browsers must be in 32-bit mode) 1.6-gigahertz (GHz) or higher processor</td>
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<td></td>
<td>512MB of RAM</td>
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<tr>
<td>Mac OS</td>
<td>Operating System: Apple Mac OS X 10.4.8 or above</td>
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<tr>
<td></td>
<td>Intel Core™ Duo 1.83GHz or faster processor</td>
</tr>
<tr>
<td></td>
<td>512MB of RAM</td>
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<tr>
<td>Adobe Reader</td>
<td>9 or latest (free download at <a href="http://www.adobe.com">www.adobe.com</a>)</td>
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<tr>
<td>Adobe Flash Player</td>
<td>v. 9 or higher (free download at <a href="http://www.adobe.com">www.adobe.com</a>)</td>
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**Medium or Combination of Media Used**  
Streaming media of slides with audio

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