More than 50 interactive lectures, case-based workshops and “Meet the Professor” sessions led by the foremost authorities in:

- Glomerular disease
- Acute renal failure
- Renal transplantation
- Immunosuppressive management
- Hypertension
- Pregnancy and renal disease
- Acid-base disorders
- Fluid and electrolyte disorders
- Potassium balance
- Renal imaging
- Bone mineral disorders
- Lupus nephritis
- Diuretic resistance
- Dialysis
- Renal stones
- Polycystic kidney disease
- Genetic renal diseases
- Cardiorenal and hepatorenal syndromes

Full agenda inside

UNDER THE LEADERSHIP OF:

Martin Pollak, MD  |  Bradley M. Denker, MD  |  Melanie P. Hoenig, MD

EARN UP TO:

49.25 AMA PRA Category 1 Credits™  • 49.25 ABIM MOC Points  • 49.25 ECMECs®

The Royal College of Physicians and Surgeons of Canada Recognizes This Educational Activity

REGISTER NOW NephrologyBoston.com
PRACTICAL INFORMATION THAT YOU CAN USE NOW
Many practicing nephrologists and physicians find it difficult to keep up with the rapid scientific and technological advances in renal care because medicine is changing at a faster pace than ever before. As busy clinicians, we need to stay current in order to optimize patient care and improve outcomes.

We invite you to advance your knowledge by joining world-renowned experts and Harvard Medical School’s leading clinical faculty for a comprehensive review of nephrology. The most important updates and advances in the diagnosis and treatment of kidney diseases will be taught, including practical information that you can use now to provide exceptional patient care.

This CME course will address pathophysiologic and clinical issues in the major areas of nephrology, including:

- Diagnostic testing
- Evidence-based treatment plans
- Individualized therapy and management strategies
- What you need to do now to optimize patient outcomes

Presenters will also discuss well-recognized medical complications and provide specific recommendations for optimal care. This is an excellent opportunity to learn the latest “best practices” and enhance your clinical skills. Both new and returning attendees will benefit from the comprehensive curriculum.

ENGAGING SESSIONS WITH PROMINENT EXPERTS
All sessions are led by prominent teachers and clinicians who provide specific recommendations for incorporating the latest updates into your practice. Course material will be presented in a distraction-free environment through formats that include:

- Innovative lectures
- Valuable case-based sessions
- Interactive workshops with the Audience Response System
- Helpful small-group “Meet the Professor” sessions to discuss challenging cases and ask pressing questions
- Informal opportunities to share and exchange information and teachings with peers and fellow healthcare professionals

WHY YOU SHOULD ATTEND
Increase your skills and knowledge to deliver unparalleled care to your patients. You will leave the course with:

- The latest nephrology knowledge, insight and teachings from leading authorities and clinical educators
- A greater understanding of how to apply the latest tools and tests in your practice
- Awareness of your strengths and areas for improvement
- A network of like-minded professional colleagues
- An in-depth print and electronic syllabus packed with valuable information and real-world solutions

LEARNING OBJECTIVES
At the end of this course, you will be able to:

- Evaluate and treat patients presenting with signs and symptoms of glomerular disease
- Discuss how to approach and manage patients with acid-base and electrolyte disturbances
- Define hypertension treatment goals and management for different populations
- Review strategies for diagnosing and managing acute kidney injury
- Evaluate new developments to reduce the risk of chronic kidney disease progression
- Incorporate optimal immunosuppression strategies for initial and maintenance immunosuppression
- Develop strategies to screen, prevent and treat patients with long-term complications of kidney transplantation
- Define optimal management for non-immunologic complications after kidney transplantation
Directors

Martha Pavlakis, MD
Associate Professor of Medicine
Harvard Medical School
Director, Kidney and Pancreas Transplantation
Beth Israel Deaconess Medical Center

Dinushi S. Perera, MD
Instructor in Radiology
Harvard Medical School
Ambulatory and Acute Care Services
Department of Radiology
Beth Israel Deaconess Medical Center

Marc A. Pohl, MD
Ray W. Gifford, Jr., MD Endowed Chair in Hypertension
Department of Nephrology and Hypertension
Glickman Urologic and Kidney Institute
The Cleveland Clinic

Jai Radhakrishnan, MD, MS
Professor of Medicine
Columbia University College of Physicians and Surgeons
Clinical Chief, Division of Nephrology
Columbia University Medical Center

Helmut G. Rennke, MD
Professor of Pathology
Harvard Medical School
Director, Renal Pathology
Brigham and Women’s Hospital

Adam M. Segal, MD
Clinical Assistant Professor of Medicine
Tufts University
Lahey Hospital and Medical Center

Peter Steinberg, MD
Assistant Professor of Surgery
Harvard Medical School
Department of Surgery
Beth Israel Deaconess Medical Center

Theodore I. Steinman, MD
Clinical Professor of Medicine
Harvard Medical School
Professor of Pathology
Beth Israel Deaconess Medical Center

Lauren D. Stern, MD
Assistant Professor of Medicine and Nephrology
Boston University School of Medicine
Boston Medical Center

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University of Rochester School of Medicine and Dentistry
Rochester General Hospital

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Vice-Dean for Research and Graduate Research Education
Chair, Biomedical Sciences
Cedars-Sinai Medical Center

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Assistant Professor of Medicine
Harvard Medical School
Director, Center for Adrenal Disorders
Brigham and Women’s Hospital

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Associate Professor of Medicine
Harvard Medical School
Director, Dialysis Operations
Beth Israel Deaconess Medical Center

Mark L. Zeidel, MD
Herrman Ludwig Blumgart Professor of Medicine
Harvard Medical School
Chair, Department of Medicine
Beth Israel Deaconess Medical Center

Faculty

Gerald B. Appel, MD
Professor of Medicine
Columbia University College of Physicians and Surgeons
Director, Glomerular Kidney Center
Columbia University Medical Center

George L. Bakris, MD, FASH, FASN
Professor of Medicine
The University of Chicago Medicine
Director, Comprehensive Hypertension Center
The University of Chicago Hospitals

Daniel C. Brennan, MD, FACP
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Johns Hopkins Medical School
Medical Director, Comprehensive Transplant Center
Department of Internal Medicine
Johns Hopkins Hospital

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Harvard Medical School
Associate Chief for Academic Affairs
Nephrology Division
Beth Israel Deaconess Medical Center

Robert A. Cohen, MD, MSc
Assistant Professor of Medicine
Harvard Medical School
Director of Education, Nephrology Division
Beth Israel Deaconess Medical Center

Gary C. Curhan, MD, ScD
Professor of Medicine
Harvard Medical School
Professor of Epidemiology
Harvard School of Public Health
Physician
Brigham and Women’s Hospital

John Danziger, MD
Assistant Professor of Medicine
Harvard Medical School
Beth Israel Deaconess Medical Center

Michael Emmett, MD
Professor of Medicine
Texas A&M School of Medicine and
University of Texas Southwestern
Chairman, Department of Internal Medicine
Baylor University Medical Center
Baylor Scott & White Health

Amy R. Evenson, MD, MPH
Assistant Professor of Surgery
Harvard Medical School
Attending Surgeon, Anthony P. Monaco Transplant Service
Beth Israel Deaconess Medical Center

Ronald J. Fahl, MD
Nan and Hugh Cullman Eminent Professor of Medicine
Chairman, Department of Medicine
The University of North Carolina at Chapel Hill

Esther E. Freeman, MD, PhD
Assistant Professor of Dermatology
Harvard Medical School
Massachusetts General Hospital

Deborah S. Jacobs, MD
Associate Professor of Ophthalmology
Harvard Medical School
Faculty, Cornea and Refractive Surgery Service
Massachusetts Eye and Ear

Stewart H. Lecker, MD, PhD
Assistant Professor of Medicine
Harvard Medical School
Director, Nephrology Fellowship Training Program
Beth Israel Deaconess Medical Center

Paul M. Palevsky, MD
Professor of Medicine and Clinical & Translational Science
University of Pittsburgh School of Medicine
Chief, Renal Section
VA Pittsburgh Healthcare System

Martin Pollak, MD
Professor of Medicine
Harvard Medical School
Chief, Division of Nephrology
Beth Israel Deaconess Medical Center

Bradley M. Denker, MD
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Harvard Medical School
Clinical Chief
Renal Division
Beth Israel Deaconess Medical Center

Melanie P. Hoenig, MD
Associate Professor of Medicine
Course Director
Homeostasis II
Harvard Medical School
Staff Physician
Beth Israel Deaconess Medical Center

Co-Directors

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Beth Israel Deaconess Medical Center

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PAYMENT, CONFIRMATION AND REFUND POLICY
You may register by credit card (Visa, MasterCard or American Express) or check using Harvard Medical School’s secure online registration system at NephrologyBoston.com. A nonrefundable processing fee of $10 (USD) will be assessed per transaction. Upon receipt of your paid registration, an email confirmation from the HMS-DCE office will be sent to you. Be sure to include an email address that you check frequently. Your email address is used for critical information, including registration confirmation, evaluation and certificate. Refund requests must be received by postal mail, email or fax. Refunds, less an administrative fee of $100, will be issued for all cancellations received two weeks before the start of the course. No refunds will be issued should cancellation occur less than two weeks before. “No shows” are subject to the full course fee, and no refunds will be issued once the conference has started.

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

The Harvard Medical School designates this live activity for a maximum of 49.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

ABIM MAINTENANCE OF CERTIFICATION
Successful completion of this CME activity enables the participant to earn up to 49.25 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.

CANADIAN ACCREDITATION
The Royal College of Physicians and Surgeons of Canada recognizes conferences and workshops held outside of Canada that are developed by a university, academy, hospital, specialty society or college as accredited group learning activities.

EUROPEAN ACCREDITATION
Through an agreement between the American Medical Association and the European Union of Medical Specialists, physicians may convert AMA PRA Category 1 Credits™ to an equivalent number of European CME Credits® (ECMECs®). Information on the process of converting AMA PRA Category 1 Credits™ to ECMECs® can be found at: eaccme.eu.

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Registration Information

Nephrology — 2019
Course #732938-1902

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<th>REGISTER ON OR BEFORE JAN. 4, 2019, AND SAVE $100</th>
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<tr>
<td>Physicians and Allied Health Professionals</td>
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<td>Residents and Fellows in Training</td>
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Fees shown in USD. Your tuition includes all breakfasts, coffee and breaks, and complimentary Internet access. All attendees will receive an electronic version of the course materials. You may purchase a printed copy of these materials at the time of registration for $65 or on-site at the course for $85.
NURSE PRACTITIONERS
For the purpose of recertification, the American Academy of Nurse Practitioners Certification Board and American Nurses Credentialing Center accept AMA PRA Category 1 Credit™ issued by organizations accredited by the ACCME (Accreditation Council for Continuing Medical Education). We would also suggest that learners check with their state licensing board to ensure they accept reciprocity with AMA PRA Category 1 Credit™ for relicensure.

PHYSICIAN ASSISTANTS
The National Commission on Certification of Physician Assistants (NCCPA) states that AMA PRA Category 1 Credits™ are acceptable for continuing medical education requirements for recertification. We would also suggest that learners check with their state licensing board to ensure they accept reciprocity with AMA PRA Category 1 Credit™ for relicensure.

DISCLOSURE POLICY
Harvard Medical School (HMS) adheres to all ACCME Essential Areas, Standards, and Policies. It is HMS’s policy that those who have influenced the content of a CME activity (e.g., planners, faculty, authors, reviewers and others) disclose all relevant financial relationships with commercial entities so that HMS may identify and resolve any conflicts of interest prior to the activity. These disclosures will be provided in the activity materials along with disclosure of any commercial support received for the activity. Additionally, faculty members have been instructed to disclose any limitations of data and unlabeled or investigational uses of products during their presentations.

COURSE LOCATION
All sessions for this activity will be held at:
The Fairmont Copley Plaza
138 St. James Avenue
Boston, MA 02116
Tel: 617-267-5300

ACCOMMODATIONS AND TRAVEL
A limited number of rooms have been reserved at the Fairmont Copley Plaza (telephone: 617-267-5300) until February 24, 2019. Please specify that you are enrolled in this course to receive a reduced room rate of $329/$349 (Moderate/Deluxe). Hotel arrangements can also be made online at: NephrologyBoston.com/Accommodations. Please do not purchase nonrefundable airline ticket(s) until you have received an email from our office confirming your paid registration.

INQUIRIES
By phone 617-384-8600, Monday-Friday, 9 AM to 5 PM (EST), or by email at: ceprograms@hms.harvard.edu.

DISCLAIMER
CME activities accredited by Harvard Medical School are offered solely for educational purposes and do not constitute any form of certification of competency. Practitioners should always consult additional sources of information and exercise their best professional judgment before making clinical decisions of any kind.
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<td>7:00am – 7:50am</td>
<td>Registration and Continental Breakfast</td>
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<td>7:50am – 8:00am</td>
<td>Introduction and Welcome</td>
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<td>8:00am – 9:00am</td>
<td>State-of-the-Art Approaches to Small-Vessel Vasculitis</td>
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<td>Ronald J. Falk, MD</td>
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<td>Prevention and Treatment of Common PD Complications</td>
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<td>Burton D. Rose, MD, Keynote Lecture: Membranous Glomerulopathy, Focal Segmental Glomerulosclerosis, Minimal Change Disease</td>
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<td>Ronald J. Falk, MD</td>
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<td>Optimizing Renal Support in Acute Kidney Injury: Case-Based Discussions</td>
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<td>IgA Nephropathy and H-S Purpura: Individualizing Therapy</td>
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<td>Contrast-Associated Acute Kidney Injury: Addressing This Common Challenge</td>
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<td>Important Dermatology Essentials: “Never-Miss” Findings</td>
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<td>Esther E. Freeman, MD, PhD</td>
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<td>What Urologists Wish Nephrologists Would Know</td>
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<td>Peter Steinberg, MD</td>
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<td>Renal Imaging: Essentials for Every Nephrologist</td>
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<td>Meet the Professors: Answering Your Challenging Questions</td>
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<tr>
<td>Daniel C. Brennan, MD, FACP, Marc A. Pohl, MD</td>
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<tr>
<td>1:20pm – 2:20pm</td>
<td>Workshop: Fluid and Electrolytes</td>
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<td>Richard H. Sterns, MD</td>
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<td>2:20pm – 3:05pm</td>
<td>Disorders of Potassium Balance: A Comprehensive Primer</td>
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<td>Richard H. Sterns, MD</td>
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<td>3:05pm – 3:15pm</td>
<td>Rejuvenation Exercises</td>
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<td>3:15pm – 3:30pm</td>
<td>Refreshment Break</td>
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<tr>
<td>3:30pm – 4:30pm</td>
<td>The Management of the Incidentally Discovered Adrenal Mass</td>
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<td>Anand Vaidya, MD, MMSc</td>
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<td>4:30pm – 5:30pm</td>
<td>Endocrine Hypertension: Primary Aldosteronism and Pheochromocytoma</td>
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<td>Anand Vaidya, MD, MMSc</td>
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WEDNESDAY, MARCH 20, 2019

7:00am – 7:30am
Continental Breakfast

7:30am – 8:30am
Updates on the Management of Chronic Kidney Disease
Bradley M. Denker, MD

8:30am – 9:15am
Workshop: Challenging Cases in Glomerular Disease
Helmut G. Rennke, MD

9:15am – 10:15am
Noninfectious Complications of Renal Transplantation
Martha Pavlakis, MD

10:15am – 10:30am
Refreshment Break

10:30am – 11:30am
Maintenance of Immunosuppression in Renal Transplantation
Martha Pavlakis, MD

11:30am – 12:30pm
Management of Polycystic Kidney Disease
Theodore I. Steinman, MD

12:30pm – 1:30pm
Controversial Issues in the Treatment of Mild Hypertension
Bradley M. Denker, MD

THURSDAY, MARCH 21, 2019

7:00am – 7:30am
Continental Breakfast

7:30am – 8:30am
Advances in Phosphate Homeostasis Management
Myles S. Wolf, MD, MMSc

8:30am – 9:30am
Management of Hypertension in Nephropathy and Diabetes: An Update
George L. Bakris, MD, FASH, FASN

9:30am – 9:50am
Refreshment Break

9:50am – 10:50am
Management of Nondiabetic Chronic Kidney Disease
George L. Bakris, MD, FASH, FASN

10:50am – 11:15am
Amyloidosis?
Lauren D. Stern, MD

11:15am – 12:00pm
Case-Based Clinical Questions
Robert S. Brown, MD

12:00pm – 1:15pm
Lunch Break

12:30pm – 1:15pm
Meet the Professors: Answering Your Challenging Questions (bring your lunch)
George L. Bakris, MD, FASH, FASN
Robert S. Brown, MD

1:15pm – 2:00pm
What’s New? Controversies in Salt and Water
Mark L. Zeidel, MD

2:00pm – 3:00pm
Case-Based Workshop: Problems in Dialysis
John Danziger, MD

3:00pm – 3:10pm
Rejuvenation Exercises

3:10pm – 3:30pm
Refreshment Break

3:30pm – 4:30pm
Treating Lupus Nephritis in 2019
Gerald B. Appel, MD

4:30pm – 5:00pm
Diagnosis and Management of Thrombotic Microangiopathies
Gerald B. Appel, MD

5:00pm – 5:55pm
Ophthalmology Update for the Nephrologist
Deborah S. Jacobs, MD

FRIDAY, MARCH 22, 2019

7:00am – 7:30am
Continental Breakfast

7:30am – 8:30am
A Comprehensive Look at Renal Stones: Strategies and Treatment Options
Gary C. Cauhan, MD, ScD

8:30am – 9:15am
Selected Management Issues in Nephrotic Syndrome
Jai Radhakrishnan, MD, MS

9:15am – 9:45am
Refreshment Break

9:45am – 10:45am
Renal Aspects of Dysproteinemias
Gerald B. Appel, MD

10:45am – 11:45am
Diuretic Strategies in CHF, NS, Cirrhosis and CKD
Jai Radhakrishnan, MD, MS

11:45am – 12:45pm
Case-Based Workshop: Challenging Glomerular Biopsy Cases
Gerald B. Appel, MD

12:45pm – 2:00pm
Lunch Break

1:15pm – 2:00pm
Meet the Professors: Answering Your Challenging Questions (bring your lunch)
Gerald B. Appel, MD
Jai Radhakrishnan, MD, MS

2:00pm – 2:45pm
Hemodialysis Delivery: Complications and the Barriers to Adequate Dialysis
Mark E. Williams, MD, FACP, FASN

2:45pm – 3:45pm
Renal Disease and Pregnancy
Ravi I. Thadhani, MD, MPH

3:45pm – 4:45pm
AV Access: Issues and Challenges
Amy R. Evenson, MD, MPH

Note: Program changes/substitutions may be made without notice.

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Updates, advances and practical information you can use now to optimize screening, diagnosis and management of patient care in all areas of nephrology. Highlights include:

- Burton D. Rose, MD, Keynote Lecture
- Glomerular disease
- Acute renal failure
- Acid-base and electrolyte disorders
- Transplantation
- Immunosuppressive management
- Hypertension
- Pregnancy and renal disease