



HARVARD
MEDICAL SCHOOL

Earn up to 52.25 AMA PRA
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Intensive Review of

NEPHROLOGY

AUGUST 6–10, 2018 • BOSTON, MA

The Acclaimed Clinical Update and Board Review

This program is among the highest-rated Harvard Medical School CME courses

Over 70 interactive lectures, case discussions, and board preparation sessions led by the foremost authorities in:

- Electrolyte and Acid Base Disorders
- Glomerulonephritis
- Acute Kidney Injury
- Chronic Kidney Disease
- Genetic Kidney Disease
- Vascular Disease
- Hypertension
- End-Stage Renal Disease
- Transplantation
- Kidney Stones
- Malignancy-Associated Kidney Disease
- Pregnancy and Renal Disease
- Anemia in Chronic Renal Disease
- Pediatric Nephrology for the Adult Nephrologist
- Cardiorenal and Hepatorenal Syndromes

Accelerated learning for
PHYSICIANS, NPs, PAs
seeking a comprehensive,
state-of-the-art clinical update

PHYSICIANS
preparing to Certify/Recertify

Full agenda inside

Now offering
ABIM MOC Points

Register at Nephrology.HMSCME.com

BRIGHAM HEALTH



BRIGHAM AND WOMEN'S
Department of Medicine

Joseph V. Bonventre, MD, PhD
Anil K. Chandraker, MD

Jamil R. Azzi, MD
Gearoid M. McMahon, MB BCH



HARVARD MEDICAL SCHOOL

Dear Colleague,

Incorporating recent advances in renal medicine into our day-to-day practice helps us provide optimal patient care and improve patient outcomes. The challenge for clinicians is that the amount of new information can be overwhelming, and determining what is relevant and important cannot always be readily ascertained.

Intensive Review of Nephrology synthesizes this information and presents it efficiently and effectively to ensure you are current with state-of-the-art practices and the best ways to apply them to the diagnosis and treatment of your patients.

For those of you who are preparing to certify or recertify, we complement this education with board examination preparation.

This nationally acclaimed nephrology course is comprehensive. You can participate in over 70 clinical updates, case discussions, and board preparation sessions. Sessions span all areas of nephrology and are led by nationally renowned speakers who are experts in their respective fields.

In the course of a week, you get an accelerated learning experience that is impactful and inspiring. You also have ample opportunity to pose your specific questions and to develop long-lasting professional relationships with our distinguished faculty.

Year after year, attendees report the experience to be “game changing” — invaluable to their clinical practice improvement and exam preparation efforts.

We draw a national and international audience of clinicians and trainees. My fellow course directors and I hope you will join us for this rewarding educational experience.

Joseph V. Bonventre, MD, PhD

Samuel A. Levine Professor of Medicine

Harvard Medical School

Chief, Renal Division

Chief, Division of Engineering in Medicine

Department of Medicine

Brigham and Women's Hospital

Past President, American Society of Nephrology



Early registration is strongly advised for this program.
Register online at Nephrology.HMSCME.com.

Intensive Review of Nephrology

State-of-the-Art, Outcomes-Driven Education for:

CLINICIANS seeking a practical and comprehensive review that ensures they are up to date across all major fields of Nephrology, including:

- The latest options for diagnosis: what to choose, when, and why
- Current, evidence-based treatment and care management strategies to optimize patient outcomes
- Improved approaches to common and complex clinical challenges
- Navigating clinical controversies
- How to avoid medical mistakes

PHYSICIANS who are preparing to certify or recertify and are seeking a thorough, proven preparatory course in advance of their taking the Nephrology ABIM board exam. Preparation includes:

- Daily board review questions and sessions
- Sessions to guide efficient preparation and study
- Comprehensive syllabus and home study guide
- Test-taking strategies and skills development



Harvard Medical School Faculty

Jamil R. Azzi, MD
Joseph V. Bonventre, MD, PhD
Barry M. Brenner, MD
Anil K. Chandraker, MD
David Charytan, MD, MSc
Kenneth B. Christopher, MD
Gary C. Curhan, MD, ScD
Peter G. Czarnecki, MD
Timothy B. Erickson, MD
Steven Gabardi, PharmD, BCPS, FAST,
FCCP
Joseph M. Garasic, MD
Indira Guleria, PhD
Sarah P. Hammond, MD
Dirk M. Hentschel, MD
Friedhelm Hildebrandt, MD
Melanie P. Hoenig, MD
Li-Li Hsiao, MD, PhD
Albert Q. Lam, MD
David E. Leaf, MD, MMSc
Sayeed Malek, MD, FACS

Ernest I. Mandel, MD
Finnian R. McCausland, MB BCH
Martina M. McGrath, MB BCH
Gearoid M. McMahon, MB BCH
Edgar L. Milford, MD
David B. Mount, MD
John L. Niles, MD
Helmut G. Rennke, MD
Leonardo V. Riella, MD, PhD
Emily S. Robinson, MD, MPH
Andrew M. Siedlecki, MD
Ajay K. Singh, MBBS, FRCP (UK), MBA
Michael J.G. Somers, MD
David J.R. Steele, MD
Ravi I. Thadhani, MD, MPH
J. Kevin Tucker, MD
Anand Vaidya, MD, MMSc
Adina Voiculescu, MD
Sushrut S. Waikar, MD, MPH
David M. Wojciechowski, DO
Melissa Y. Yeung, MD

Course Directors

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Instructor in Medicine
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Associate Physician, Renal Division
Department of Medicine
Brigham and Women's Hospital

BRIGHAM HEALTH



BRIGHAM AND WOMEN'S
Department of Medicine

Guest Faculty

Gerald B. Appel, MD, Professor of Clinical Medicine, Columbia University College of Physicians & Surgeons; Director of Clinical Nephrology, Columbia University Medical Center, New York, NY

Joanne M. Bargman, MD, FRCPC, Professor of Medicine, University of Toronto; Director, Peritoneal Dialysis Program, University Health Network, Toronto, Ontario, Canada

Ramon G. Bonogio, MD, Assistant Professor of Medicine, Boston University School of Medicine; Renal Section, Boston Medical Center, Boston, MA

David Bushinsky, MD, Professor of Medicine and Pharmacology and Physiology, University of Rochester School of Medicine; Chief, Nephrology Division, University of Rochester Medical Center, Rochester, NY

Jan M. Francis, MD, Assistant Professor of Medicine, Boston University School of Medicine; Renal Division, Department of Medicine, Boston Medical Center, Boston, MA

Richard J. Glassock, MD, Professor Emeritus, Department of Medicine, Geffen School of Medicine, University of California, Los Angeles, CA

Joel M. Henderson, MD, PhD, Assistant Professor of Pathology, Boston University School of Medicine; Director, Renal Pathology and Electron Microscopy Laboratories, Boston University Medical Center; Laboratory Director, Framingham Heart Study, Boston, MA

David J. Salant, MD, Professor of Medicine, Boston University School of Medicine; Chief, Renal Section, Department of Medicine, Boston Medical Center, Boston, MA

Mark J. Sarnak, MD, MS, Professor of Medicine, Tufts University School of Medicine; Chief, Division of Nephrology, Tufts Medical Center, Boston, MA

Alan S.L. Yu, MB BChir, Harry Statland and Solon Summerfield Professor of Medicine; Director, Division of Nephrology and Hypertension and The Kidney Institute, University of Kansas Medical Center, Kansas City, KS

Now offering ABIM MOC Points

Intensive Review of Nephrology

Course Description

The “Intensive Review of Nephrology” course is designed to enhance renal medicine knowledge by offering a comprehensive update; a case-based review of challenging clinical problems; and a review of literature to guide evidence-based practice. This course can also serve to prepare attendees for the ABIM Board Examinations (Certification/Recertification) and offers daily board review question and answer practice sessions in each specialty area of nephrology. This program also consists of daily case-based lectures and case-based luncheons covering the most important topics in renal medicine. Throughout the course, emphasis is placed on the practical application of physiological principles to the understanding and management of clinical problems, particularly for board exam preparation.

Learning Objectives

Upon completion of this activity, participants will be able to:

- Summarize current/recommended nephrology guidelines in clinical practice
- Explain the differential diagnosis of complex clinical presentations of patients with renal disorders
- Identify/integrate current therapeutic options for specific renal disorders
- Review and interpret up-to-date literature relevant to clinical practice
- Describe pathophysiological mechanisms as they apply to management of renal disease
- Apply learning objectives to the ABIM Nephrology certification/recertification examinations

Cases from Renal Grand Rounds at The Brigham with Catered Lunch

Each day of this program, we invite you to join leading faculty and your colleagues for case discussions and a catered lunch.

This portion of the program is optional; an additional fee applies. Seating is limited. Due to its popularity, early registration is strongly advised.

This course is endorsed by the National Kidney Foundation (NKF) and the American Society of Transplantation (AST)



MOC STATEMENT

Successful completion of this CME activity enables the participant to earn up to 52.25 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.

Monday, August 6

6:45am - 7:15am

Registration and Continental Breakfast

7:15am - 7:30am

Welcome/Announcements

Drs. Joseph Bonventre, Anil Chandraker, Gearoid McMahon, and Jamil Azzi

GLOMERULONEPHRITIS

7:30am - 8:30am

Renal Physiology for the Boards

Dr. Melanie Hoenig

8:30am - 9:00am

Basic Concepts of Immunology in Autoimmune Kidney Disease

Dr. Ramon Bonegio

9:00am - 9:45am

Renal Pathology in 2018: Part 1

Dr. Helmut Rennke

9:45am - 9:50am *STRETCH*

9:50am - 10:35am

Renal Pathology in 2018: Part 2

Dr. Helmut Rennke

10:35am - 10:55am *Coffee Break (Refreshments provided)*

10:55am - 11:40am

Current Approaches to Urine Sediment Analysis

Dr. Martina McGrath

11:40am - 12:20pm

Challenging Pathology Cases

Dr. Helmut Rennke

12:20pm - 12:25pm *STRETCH*

12:25pm - 1:10pm

IgA Nephropathy Dr. Gerald Appel

1:10pm - 2:10pm

Cases from Renal Grand Rounds at The Brigham with Catered Lunch (optional)

Renal Pathology Complex Cases

Drs. Helmut Rennke and Gearoid McMahon

2:10pm - 2:55pm

Membranous Nephropathy

Dr. David Salant

2:55pm - 3:40pm

Rapidly Progressive Glomerulonephritis

Dr. John Niles

3:40pm - 3:45pm *STRETCH*

3:45pm - 4:30pm

Update on Lupus Nephritis

Dr. Gerald Appel

4:30pm - 5:15pm

Glomerulonephritis: Questions & Answers Session

Dr. Gerald Appel

5:15pm - 5:35pm *Coffee Break (Refreshments provided)*

5:35pm - 6:20pm

Metabolic Management of Kidney Stones

Dr. Gary Curhan

6:20pm - 6:25pm *STRETCH*

6:25pm - 7:10pm

Anemia Management: Update and Best Practices

Dr. Ajay Singh

7:10pm - 7:40pm

Must-Know Clinical Images in Nephrology

Dr. Ajay Singh

7:40pm - 8:40pm

Welcome and Networking Reception

Join faculty and colleagues for refreshments and networking

INTENSIVE REVIEW OF NEPHROLOGY 2018

Tuesday, August 7

6:45am - 7:15am

Continental Breakfast

7:15am - 8:15am

Breakfast Workshop: Hyponatremia and Hypernatremia Dr. David Mount

ELECTROLYTES AND ACID BASE

8:15am - 9:15am

Electrolyte and Acid Base Disorders Questions & Answers Session: Part 1

Dr. Alan Yu

9:15am - 9:20am *STRETCH*

9:20am - 10:05am

Hypokalemia and Hyperkalemia

Dr. David Mount

10:05am - 10:25am *Coffee Break (Refreshments provided)*

10:25am - 11:10am

Acidosis Dr. Alan Yu

11:10am - 11:55am

Alkalosis Dr. Alan Yu

11:55am - 12:00pm *STRETCH*

12:00pm - 12:50pm

Cases from Renal Grand Rounds at The Brigham

Dr. David Mount

12:50pm - 1:50pm

Cases from Renal Grand Rounds at The Brigham with Catered Lunch (optional)

Challenging Cases

Drs. David Mount and Peter Czarnecki

1:50pm - 2:35pm

Electrolyte and Acid Base Disorders Questions & Answers Session: Part 2

Dr. Alan Yu

2:35pm - 3:20pm

Genetics and Kidney Disease

Dr. Friedhelm Hildebrandt

3:20pm - 3:25pm *STRETCH*

3:25pm - 4:10pm

Update on Polycystic Kidney Disease

Dr. Peter Czarnecki

4:10pm - 4:55pm

Pediatric Nephrology

Dr. Michael Somers

4:55pm - 5:15pm *Coffee Break (Refreshments provided)*

5:15pm - 6:00pm

Pregnancy and Renal Disease

Dr. Ravi Thadhani

6:00pm - 6:45pm

Dialysis Vascular Access: Assessment and Complications Dr. Dirk Hentschel

6:45pm - 7:15pm

Geriatric Nephrology

Dr. Ernest Mandel

Wednesday, August 8

6:45am - 7:00am

Continental Breakfast

CKD AND GENERAL NEPHROLOGY

7:00am - 7:30am

Update on Renovascular Disease

Dr. Joseph Garasic

7:30am - 8:15am

Management of Hypertension after SPRINT

Dr. Richard Glassock

8:15am - 9:00am

Secondary Hypertension: Primary Aldosteronism and Pheochromocytoma Dr. Anand Vaidya

9:00am - 9:05am *STRETCH*

9:05am - 9:50am

Cardiovascular Disease and Renal Disease

Dr. David Charytan

9:50am - 10:50am

Nephrology Board Review Practice 1

Dr. David Charytan

10:50am - 11:10am *Coffee Break (Refreshments provided)*

ACUTE KIDNEY INJURY

11:10am - 11:45am

Pathophysiology of Acute Kidney Injury

Dr. Joseph Bonventre

11:45am - 12:25pm

Acute Kidney Injury Syndromes

Dr. Sushrut Waikar

12:25pm - 12:30pm *STRETCH*

12:30pm - 1:15pm

Cancer and Acute Kidney Injury

Dr. Albert Lam

1:15pm - 2:15pm

Cases from Renal Grand Rounds at The Brigham with Catered Lunch (optional)

Cases from Renal Grand Rounds at The Brigham

Drs. David Steele and David Leaf

2:15pm - 2:45pm

Paraprotein-Induced Kidney Injury Dr. Albert Lam

2:45pm - 3:45pm

Clinicopathological Conference

Drs. Mark Sarnak, Joel Henderson and Martina McGrath

3:45pm - 4:25pm

Cardiorenal and Hepatorenal Syndromes

Dr. David Steele

4:25pm - 4:45pm *Coffee Break (Refreshments provided)*

4:45pm - 5:30pm

FSGS: A Lesion, Not a Disease Dr. Richard Glassock

5:30pm - 6:10pm

Interstitial Nephritis: Overview for the Boards

Dr. Li-Li Hsiao

6:10pm - 6:50pm

ICU Nephrology and Continuous Renal

Replacement Therapies Dr. Kenneth Christopher

6:50pm - 8:00pm

KEYNOTE DINNER LECTURE (optional)

The Fault Is Not in Our Stars, but May Be in Our Embryos Dr. Barry Brenner

Program changes/substitutions may be made without notice.

To view the most up-to-date version of the course program, please see Nephrology.HMSCME.com.

Accreditation

ACCREDITATION COUNCIL FOR CONTINUING MEDICAL EDUCATION

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 52.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

INTENSIVE REVIEW OF NEPHROLOGY 2018

Thursday, August 9

6:45am - 7:00am

Continental Breakfast

TRANSPLANTATION

7:00am - 7:45am

Why Do We Reject a Transplant?

Dr. Jamil Azzi

7:45am - 8:30am

Transplant Immunosuppression for the Boards

Dr. Steven Gabardi

8:30am - 8:35am *STRETCH*

8:35am - 9:20am

Immunological Assessment Pre- and Post-Transplant Drs. Melissa Yeung and Indira Guleria

9:20am - 10:05am

Early Post-Transplant Management

Dr. Anil Chandraker

10:05am - 10:45am

Late Post-Transplant Medical Complications

Dr. Leonardo Riella

10:45am - 11:05am *Coffee Break (Refreshments provided)*

11:05am - 11:35am

Late Loss of the Kidney Transplant

Dr. Andrew Siedlecki

11:35am - 12:15pm

Infections in Transplant Recipients

Dr. Sarah Hammond

12:15pm - 1:15pm

Transplant Cases: Board Review Practice

Drs. Melissa Yeung and Edgar Milford

1:15pm - 2:15pm

Cases from Renal Grand Rounds at The Brigham with Catered Lunch (optional)

Cases from Renal Grand Rounds at The Brigham

Drs. Leonardo Riella and Anil Chandraker

2:15pm - 2:55pm

Pre-Transplant Evaluation of Recipients

Drs. Sayeed Malek and Jamil Azzi

2:55pm - 3:40pm

Donor Evaluation

Dr. David Wojciechowski

3:40pm - 4:10pm

Thrombotic Microangiopathies Dr. Jean Francis

4:10pm - 4:30pm *Coffee Break (Refreshments provided)*

4:30pm - 5:30pm

Transplant Board Review Dr. Leonardo Riella

5:30pm - 6:30pm

Must-Know Board Zebras Dr. Emily Robinson

Friday, August 10

6:45am - 7:00am

Continental Breakfast

DIALYSIS

7:00am - 7:40am

Dialysis Dosing

Dr. J. Kevin Tucker

7:40am - 8:20am

Mineral and Bone Disease

Dr. David Bushinsky

8:20am - 8:25am *STRETCH*

8:25am - 9:10am

Dialysis: A Case-Based Clinical Review and Update Dr. J. Kevin Tucker

9:10am - 9:55am

Pearls in Mineral and Bone Disease

Dr. David Bushinsky

9:55am - 10:25am

Renal Ultrasound for the Clinical Nephrologist

Dr. Adina Voiculescu

10:25am - 10:40am *Coffee Break (Refreshments provided)*

10:40am - 11:25am

Chronic Kidney Disease Epidemiology: A 2018 Update Dr. Gearoid McMahon

11:25am - 12:10pm

Peritoneal Dialysis

Dr. Joanne Bargman

12:10pm - 1:10pm

Cases from Renal Grand Rounds at The Brigham with Catered Lunch (optional)

Challenging Cases

Drs. Albert Lam and Gearoid McMahon

1:10pm - 2:00pm

Peritoneal Dialysis Complications

Dr. Joanne Bargman

2:00pm - 2:40pm

Poisonings and Intoxications: What a Nephrologist Needs to Know Dr. Timothy Erickson

2:40pm - 2:55pm *Coffee Break (Refreshments provided)*

2:55pm - 3:40pm

Nephrology Board Review Practice 2

Dr. Finnian McCausland

3:40pm - 4:15pm

How to Pass the Boards

Dr. David Leaf

4:15pm

Closing Remarks and Adjournment

Course Directors

NURSE PRACTITIONERS and REGISTERED NURSES

For the purpose of recertification, the American Nurses Credentialing Center accepts *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 re-licensure.

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 re-licensure.

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 Credit™* 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: www.eaccme.eu.



HARVARD MEDICAL SCHOOL

Registration Information

Intensive Review of Nephrology Course #732610-1901	Tuition	Register on or before June 30, 2018 (Save \$100)
Physicians	\$1,395	\$1,295
Trainees and Allied Health Professionals	\$995	\$895
Optional Activities/Meal Bundle		\$345
<ul style="list-style-type: none"> • Keynote Dinner Lecture: Wednesday, August 8 • Cases from Renal Grand Rounds at The Brigham with Catered Lunches: Daily, Monday, August 6 – Friday, August 10. Enjoy a daily catered lunch as a renowned clinical expert presents cases and answers questions in a relaxed and engaging luncheon setting. (See agenda for day-by-day schedule of speakers.) 		

Your tuition includes breakfast each day, morning and afternoon refreshment breaks, and a welcome reception on Monday evening, August 6. All course participants receive an electronic version of the course materials. You can purchase a printed copy of these materials at the time of online registration for \$50.

Registration, Payment, Confirmation and Refund Policy

Registrations for Harvard Medical School CME programs are made via our secure online registration system. To register for this course, please visit the course website at Nephrology.HMSCME.com.

At the end of the registration process, a \$5 non-refundable processing fee will be added to your registration, and you will have the choice of paying by check or credit card (Visa, MasterCard, or American Express). If you are paying by check (draft on a United States bank), the online registration system will provide you with instructions and a printable form for remitting your course fees by check. Postal, telephone, fax, and cash-payment registrations are not accepted. All fees shown in USD.

Upon receipt of your paid registration, an email confirmation from the HMS GCE 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. Refunds, less an administrative fee of \$75, will be issued for all cancellations received two weeks prior to the start of the course. Refund requests must be received by email. No refund will be issued should cancellation occur less than two weeks prior. "No shows" are subject to the full course fee and no refunds will be issued once the conference has started.



Venue and Accommodations

Fairmont Copley Plaza

138 St. James Avenue
Boston, Massachusetts
+1 617-267-5300

A limited number of rooms have been reserved at the hotel for course participants at a special discounted rate:

- \$290 for regular attendees
- \$190 for trainees (a limited number available—requires confirmation of trainee status)

To take advantage of these reduced room rates, please call the hotel's reservation line at 1-800-441-1414 and indicate that you are attending this course. Reservations must be made by **Tuesday, July 10, 2018.***

You can also make your discounted reservation online before July 10 by going to the course website and clicking on the dedicated reservation link on the Venue page.

**Please note that the discounted rooms may sell out before the deadline.*

Please do not make non-refundable travel arrangements 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 (ET) or by email: CEPrograms@hms.harvard.edu

Register online at Nephrology.HMSCME.com