41st Annual Postgraduate Medicine Course

The Columbia Renal Biopsy Course

Wednesday - Saturday, July 11 - 14, 2018

Endorsed by

ERA-EDTA’s endorsement is for the promotion of education in general, therefore the specific content of the event/course is the responsibility of the organizer
Course Directors
Vivette D. D’Agati, M.D.
Gerald B. Appel, M.D.

Associate Directors
Glen S. Markowitz, M.D.
Jai Radhakrishnan, M.D., M.S.

Program Description & Objectives

Renal Biopsy in Medical Diseases of the Kidneys is an intensive 3 1/2 day course designed for pathologists, nephrologists, internists and other physicians interested in both a systematic review and an update on advances in diagnostic problems in medical renal diseases.

The course should be of special interest to physicians who are preparing for their specialty Board Examinations in Pathology and Clinical Nephrology.

At the conclusion of the course, participants should be able to better understand the pathophysiology and clinical aspects of the major parenchymal diseases of the kidney, with emphasis on clinical-pathologic correlations and the role of renal biopsy.

The format includes lectures, question-and-answer sessions and the study of case problems. A limited/optional Renal Pathology Laboratory exercise is available on Saturday after the conclusion of the formal lectures.

Past Attendee Comments

“This was an outstanding lecture series. I learned so much and left feeling much more confident in my diagnostic abilities. I would actually attend again because there was so much to digest.”

“The only concise renal-oriented presentations for both pathologist and nephrologist I am aware of.”

“Very up to date with many pearls for seasoned pathologists. Good mix of clinical and pathology presentations.”
Guest Faculty

Charles E. Alpers, M.D., Professor of Pathology & Adjunct Professor of Medicine, University of Washington Medical Center, Seattle, Washington

Robert B. Colvin, M.D., Benjamin Castleman Distinguished Professor of Pathology, Harvard Medical School; Former Pathologist-in-Chief, Massachusetts General Hospital, Boston, Massachusetts

Ronald J. Falk, M.D., Nan and Hugh Coleman Eminent Professor; Chair of Medicine; University of North Carolina School of Medicine, Chapel Hill, North Carolina

Agnes B. Fogo, M.D., John L. Shapiro Professor of Pathology; Professor of Medicine and Pediatrics; Director, Division of Renal Pathology/Electron Microscopy, Vanderbilt University Medical Center, Nashville, Tennessee

Leal C. Herlitz, M.D., Director of Renal Pathology and Electron Microscopy, Cleveland Clinic, Cleveland, Ohio

J. Charles Jennette, M.D., Brinkhous Distinguished Professor and Chair, Department of Pathology and Laboratory Medicine, University of North Carolina School of Medicine; Chief of Pathology and Laboratory Medicine Services, UNC Hospitals, Chapel Hill, North Carolina

Jeffrey B. Kopp, M.D., Chief, Kidney Diseases Branch; Section Chief, Kidney Disease Section, Kidney Diseases Branch, National Institutes of Health, Bethesda, Maryland

Samih H. Nasr, M.D., Professor, Laboratory Medicine and Pathology, Mayo Clinic, Rochester, Minnesota

David J. Salant, M.D., Norman G. Levinsky Professor of Medicine; Director of Nephrology, Boston University School of Medicine, Boston, Massachusetts

Ravi Thadhani, M.D., M.P.H., Professor of Medicine, Harvard Medical School; Chief, Division of Nephrology, Massachusetts General Hospital, Boston, Massachusetts

Columbia University Medical Center Faculty & NewYork-Presbyterian Hospital Staff

Gerald B. Appel, M.D., Professor of Medicine at CUMC; Director, Glomerular Kidney Center

Ibrahim Batal, M.D., Assistant Professor of Pathology and Cell Biology at CUMC

Andrew S. Bomback, M.D., M.P.H., Assistant Professor of Medicine at CUMC

Eric Campenot, D.O., Assistant Professor of Pathology and Cell Biology at CUMC

Pietro Canetta, M.D., Assistant Professor of Medicine at CUMC

Vivette D. D’Agati, M.D., Professor of Pathology and Cell Biology at CUMC; Director, Renal Pathology

Glen S. Markowitz, M.D., Professor of Pathology and Cell Biology at CUMC

Jai Radhakrishnan, M.D., M.S., Professor of Medicine at CUMC; Clinical Chief, Division of Nephrology

Dominick Santoriello, M.D., Assistant Professor of Pathology and Cell Biology at CUMC

M. Barry Stokes, M.D., Professor of Pathology and Cell Biology at CUMC
Wednesday, July 11, 2018

7:15 a.m.  Registration; Continental Breakfast
8:00 a.m.  Welcome and Introduction
           Vivette D. D’Agati, M.D.
8:15 a.m.  Histophysiology of the Glomerulus
           Vivette D. D’Agati, M.D.
9:15 a.m.  Immune Pathogenesis of Glomerular Disease
           David J. Salant, M.D.
10:00 a.m. Refreshment Break
10:30 a.m. Minimal Change Disease (MCD) and
           Focal Segmental Glomerulosclerosis (FSGS)
           Agnes B. Fogo, M.D.
11:15 a.m. Membranous Glomerulopathy (MGN): Pathology
           Glen S. Markowitz, M.D.
11:45 a.m. Hot Topic: Immune Surveillance of Membranous
           Glomerulopathy
           David J. Salant, M.D.
12:30 p.m. Working Lunch
           The Renal Biopsy: How and When
           Jai Radhakrishnan, M.D., M.S. &
           Glen S. Markowitz, M.D.
1:30 p.m.  Current Therapy of MCD, FSGS and MGN
           Gerald B. Appel, M.D.
2:30 p.m.  Membranoproliferative Glomerulonephritis:
           Pathology
           Dominick Santoriello, M.D.
3:05 p.m.  C3 Glomerulopathy: Diagnosis and Management
           Andrew S. Bomback, M.D., M.P.H.
3:45 p.m.  Refreshment Break
4:15 p.m.  Acute Post-infectious Glomerulonephritis
           Leal C. Herlitz, M.D.
5:00 p.m.  Thrombotic Microangiopathies
           Michael Barry Stokes, M.D.
5:50 p.m.  Adjourn

Thursday, July 12, 2018

7:30 a.m.  Registration; Continental Breakfast
8:00 a.m.  Crescentic Glomerulonephritis and ANCA
           J. Charles Jennette, M.D.
9:00 a.m.  Treatment of Crescentic Glomerulonephritis
           Ronald J. Falk, M.D.
9:45 a.m.  Refreshment Break
10:15 a.m. IgA Nephropathy and Henoch Schönlein Purpura
           J. Charles Jennette, M.D.
11:15 a.m. Clinical Course and Treatment of IgA
           Nephropathy
           Pietro Canetta, M.D.
12:00 p.m. Working Lunch
           Challenging Clinical Cases
           Gerald B. Appel, M.D.,
           Andrew S. Bomback, M.D., M.P.H.,
           Ronald J. Falk, M.D.
           Glen S. Markowitz, M.D. &
           Jai Radhakrishnan, M.D., M.S.
1:00 p.m.  34th Annual Conrad L. Pirani Lecture
           “FSGS: A Rubik’s Cube”
           Jeffrey B. Kopp, M.D.
2:15 p.m.  Hereditary Nephropathies
           Agnes B. Fogo, M.D.
3:15 p.m.  Refreshment Break
3:45 p.m.  **State of the Art Lecture:** Kidney Disease Associated with Pregnancy  
**Ravi Thadhani, M.D., M.P.H.**

4:30 p.m.  Cryoglobulinemic, Hepatitis C-associated, Fibrillarly and Immunotactoid Glomerulonephritis  
**Charles E. Alpers, M.D.**

5:15 p.m.  Treatment of Viral Nephritides  
**Jai Radhakrishnan, M.D., M.S.**

5:45 p.m.  **Adjourn**

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**Friday, July 13, 2018**

7:30 a.m.  Registration; Continental Breakfast
8:00 a.m.  Pathology of Lupus Nephritis  
**Vivette D. D’Agati, M.D.**

9:00 a.m.  Current and Future Therapies of Lupus Nephritis  
**Gerald B. Appel, M.D.**

9:45 a.m.  **Refreshment Break**

10:15 a.m.  Pathology of Diabetic Nephropathy  
**Charles E. Alpers, M.D.**

11:00 a.m.  Treatment of Diabetic Nephropathy  
**Jai Radhakrishnan, M.D., M.S.**

11:45 a.m.  Acute Interstitial Nephritis  
**Robert B. Colvin, M.D.**

12:15 p.m.  **Working Lunch**  
Challenging Clinical Cases  
**Gerald B. Appel, M.D., Andrew S. Bomback, M.D., M.P.H., Jai Radhakrishnan, M.D., M.S. & Dominick Santoriello, M.D.**

1:15 p.m.  Acute Tubular Injury and the Spectrum of Nephrotoxicities  
**Glen S. Markowitz, M.D.**

2:00 p.m.  Renal Transplant Pathology  
**Robert B. Colvin, M.D.**

3:00 p.m.  **Refreshment Break**

3:30 p.m.  Dysproteinemia-related Renal Diseases  
**Glen S. Markowitz, M.D.**

4:15 p.m.  Amyloidosis, Mass Spectrometry and Masked Deposits  
**Samih H. Nasr, M.D.**

4:55 p.m.  Pathology and Treatment of Hypertension  
**Andrew S. Bomback, M.D., M.P.H. & Michael Barry Stokes, M.D.**

6:00 p.m.  **Adjourn**

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**Saturday, July 14, 2018**

9:00 a.m. -  
1:00 p.m.  Optional Renal Pathology Laboratory  
(Microscope Section)  
Native Kidney Biopsies  
**Eric Campenot, D.O.**

Transplant Kidney Biopsies  
**Ibrahim Batal, M.D.**

*Enrollment is limited to 45 participants and will be handled on a first-come, first-served basis. Please check the box on the registration form if you wish to attend this session.*
**Hotel Accommodations**

A block of rooms has been reserved at the Lucerne, at the special rate of $240 per night, plus state & local taxes. These special room rates are available to the course attendees from July 10 - 15, 2018. Other rates and conditions may apply. Additional information can be obtained by calling the Lucerne directly.

Reservations must be made directly with the Lucerne. To receive this room rate remember to mention that you are a registrant of the Columbia University group #240450.

Rooms will be held until June 10, 2018 or until the room block has been exhausted, whichever comes first. Reservations received after the cut-off date are subject to availability and prevailing rates.

**Lucerne Hotel**
201 West 79th Street
New York, New York 10024

(800) 492-8122
(212) 875-1000

*Cut-Off: June 10, 2018*

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**Complimentary Bus Service**

Complimentary bus service will be provided between the medical center and the Lucerne for each day of the program. Please check the box on the registration form to reserve space for this service.

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**Additional Information**

**Contact:** Center for Continuing Medical Education
Columbia University College of Physicians & Surgeons
630 West 168th Street, Unit 39
New York, NY 10032
Telephone: (212) 305-3334
Fax: (212) 305-5740
e-mail: cme@columbia.edu
www.columbiacme.org
Meeting Location

Hammer Health Sciences Building
701 West 168th Street, Room 401
Columbia University Medical Center
New York, NY 10032

Parking is available at the Columbia University Medical Center parking lot, located on the southwest corner of Fort Washington Avenue and West 165th Street.

Accreditation Statement

The College of Physicians and Surgeons of Columbia University is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

AMA Credit Designation Statement

The College of Physicians and Surgeons designates this live activity for a maximum of 29.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Live Stream

If you cannot attend the program and would like to participate in the live stream, please indicate so on the registration form. We will send you login information and instructions to the email address provided before the event along with a PDF of the syllabus. The videos from the live stream will be archived for one month after the meeting concludes.
Tuition

Physicians with Optional Laboratory: $895; Physicians: $795; New York-Presbyterian Alumni Associates/Network Physicians with Optional Laboratory: $750; New York Presbyterian Alumni Associates/Network Physicians: $650; Fellows & Residents in training with Optional Laboratory: $550; Fellows & Residents in training: $450 (with letter from program director certifying status). The fee includes the academic presentations, a course syllabus, daily continental breakfast, lunch, and refreshments.

Virtual/Live Stream Attendance: The fee includes the academic presentations and electronic course syllabus.

Confirmation of registration will be sent upon receipt of the registration form. Refund of registration fee, less a $25 administrative charge, will be made if written notice of cancellation is received by July 1, 2018. No refunds can be made thereafter.

Registration

Space is Limited. Early Registration is Encouraged.

By Mail:

Complete the registration form and mail with full payment to:

Columbia University  
College of Physicians & Surgeons  
Center for Continuing Medical Education  
630 West 168th Street, Unit 39  
New York, NY 10032

On-Line:

www.columbiacme.org

Telephone registrations and/or cancellations are not accepted.

Americans with Disabilities Act

The Columbia University College of Physicians and Surgeons fully complies with the legal requirements of the ADA and the rules and regulations thereof. Any participant with special needs must submit a written request to our office at least one month prior to the course date.
# Registration Form

## COLUMBIA UNIVERSITY

### Renal Biopsy 2018

(Please print or type)

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**e-mail**

Please note: Your e-mail address is used for critical information about the course including: registration confirmation, course evaluation and certificate. Please be sure to include an e-mail address you check daily or frequently.

## Institution

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### Transportation

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### Virtual / Live Stream Attendance

- [ ] $795 Physicians
- [ ] $650 NewYork Presbyterian Alumni Associates/Network Physicians
- [ ] $450 Residents & Fellows (with a letter from program director)

Enclosed is a check or money order made payable to Columbia University

Checks must be in U.S. Dollars drawn on a U.S. bank.

Money Orders must be in U.S. Dollars.

For security purposes, credit card payments cannot be accepted by mail or fax. Please visit www.columbiacmce.org to register and pay by credit card. American Express, Discover, MasterCard and Visa only.
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Departments of Pathology & Medicine