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, MD
Gerald B. Appel, MD

ASSOCIATE DIRECTORS
Glen S. Markowitz, MD
Jai Radhakrishnan, MD, MS

PROGRAM DESCRIPTION AND OBJECTIVES
The Columbia Renal Biopsy Course 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.”

“The best CME course I have attended in years. The speakers are superb.”

“Excellent blend of pathology, pathogenesis and disease management”

“Presents cutting edge updates in nephropathology and nephrology”
GUEST FACULTY

Charles E. Alpers, MD
Professor of Pathology & Adjunct Professor of Medicine, Nelson Fausto-Ann De Lancey Endowed Professor, University of Washington Medical Center, Seattle, Washington

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

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

Agnes B. Fogo, MD
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, MD
Director of Renal Pathology and Electron Microscopy, Cleveland Clinic, Cleveland, Ohio

Michelle Hladunewich, MD, FRCP(C), MSc
Associate Scientist, Biological Sciences, DAN Women & Babies Research Program, Sunnybrook Research Institute, Toronto, Canada

J. Charles Jennette, MD
Professor of Pathology and Laboratory Medicine; Professor of Medicine; Executive Director of Nephropathology School of Medicine, The University of North Carolina at Chapel Hill, Chapel Hill, North Carolina

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

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

COLUMBIA UNIVERSITY IRVING MEDICAL CENTER FACULTY & NEW YORK-PRESBYTERIAN HOSPITAL STAFF

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

Ibrahim Batal, MD
Assistant Professor of Pathology and Cell Biology at CUMC

Andrew S. Bomback, MD, MPH
Associate Professor of Medicine at CUMC

Pietro Canetta, MD
Assistant Professor of Medicine at CUMC

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

Ali Gharavi, MD
Jay Meltzer Professor of Nephrology and Hypertension; Chief, Division of Nephrology

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

Jai Radhakrishnan, MD, MS
Professor of Medicine at CUMC; Clinical Chief, Division of Nephrology

Dominick Santoriello, MD
Assistant Professor of Pathology and Cell Biology at CUMC

M. Barry Stokes, MD
Professor of Pathology and Cell Biology at CUMC
WEDNESDAY, JULY 8, 2020

7:15 a.m.  Registration; Continental Breakfast
8:00 a.m.  Welcome and Introduction  
            Vivette D'Agati, MD
8:15 a.m.  Histophysiology of the Glomerulus  
            Vivette D'Agati, MD
9:15 a.m.  Immune Pathogenesis of Glomerular Disease  
            David J. Salant, MD
10:00 a.m.  Refreshment Break
10:30 a.m.  Minimal Change Disease (MCD) and Focal Segmental Glomerulosclerosis (FSGS)  
            Agnes B. Fogo, MD
11:20 a.m.  Membranous Glomerulopathy (MGN): Pathology  
            Glen S. Markowitz, MD
11:50 a.m.  Hot Topic: Immune Surveillance of Membranous Glomerulopathy  
            David J. Salant, MD
12:30 p.m.  Working Lunch: The Renal Biopsy: How and When  
            Jai Radhakrishnan, MD, MS
1:30 p.m.  Current Therapy of MCD, FSGS and MGN  
            Gerald B. Appel, MD
2:30 p.m.  Membranoproliferative Glomerulonephritis: Pathology  
            Dominick Santoriello, MD
3:05 p.m.  C3 Glomerulopathy: Diagnosis and Management  
            Andrew S. Bomback, MD, MPH
3:45 p.m.  Refreshment Break
4:15 p.m.  Acute Post-infectious Glomerulonephritis  
            Leal C. Herlitz, MD
5:00 p.m.  Thrombotic Microangiopathies  
            M. Barry Stokes, MD
5:50 p.m.  Adjourn

THURSDAY, JULY 9, 2020

7:30 a.m.  Registration; Continental Breakfast
8:00 a.m.  Crescentic Glomerulonephritis and ANCA  
            J. Charles Jennette, MD
9:00 a.m.  Treatment of Crescentic Glomerulonephritis  
            Ronald J. Falk, MD
9:45 a.m.  Refreshment Break
10:15 a.m.  IgA Nephropathy and Henoch Schonlein Purpura  
            J. Charles Jennette, MD
11:15 a.m.  Clinical Course and Treatment of IgA Nephropathy  
            Pietro Canetta, MD
12:00 p.m.  Working Lunch: Challenging Clinical Cases  
            Gerald B. Appel, MD, Andrew S. Bomback, MD, MPH, Ronald J. Falk, MD, Glen S. Markowitz, MD and Jai Radhakrishnan, MD, MS
1:00 p.m. Pathology of Diabetic Nephropathy
Charles E. Alpers, MD

1:45 p.m. 36TH ANNUAL CONRAD L. PIRANI LECTURE
“Can We Prevent Diabetic Nephropathy?”
Jai Radhakrishnan, MD, MS

3:00 p.m. Refreshment Break

3:30 p.m. Hereditary Nephropathies
Agnes B. Fogo, MD

4:30 p.m. Genetics and Precision Nephrology
Ali Gharavi, MD

5:15 p.m. Cryoglobulinemic, Hepatitis C-associated, Fibrillary and Immunotactoid Glomerulonephritis
Charles E. Alpers, MD

6:00 p.m. Adjourn

FRIDAY, JULY 10, 2020

7:30 a.m. Registration; Continental Breakfast

8:00 a.m. Pathology of Lupus Nephritis
Vivette D. D’Agati, MD

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

9:45 a.m. Refreshment Break

10:15 a.m. Acute Tubular Injury and the Spectrum of Nephrotoxicities
Glen S. Markowitz, MD

11:05 a.m. State of the Art Lecture: Glomerular Disease in Pregnancy
Michelle Hladunewich, MD, FRCP(C), MSc

11:55 a.m. Acute Interstitial Nephritis
Robert B. Colvin, MD

12:20 p.m. Working Lunch: Challenging Clinical Cases
Andrew S. Bomback, MD, MPH, Pietro Canetta, MD,
Michelle Hladunewich, MD, FRCP(C), MSc and Dominick Santoriello, MD

1:20 p.m. Renal Transplant Pathology Part 1: Rejection
Robert B. Colvin, MD

2:00 p.m. Renal Transplant Pathology Part 2:
Drug Toxicity, Infections and Recurrent vs de novo Disease
Ibrahim Batal, MD

2:40 p.m. Nephronophthisis and Autosomal Dominant
Tubulointerstitial Kidney Diseases
Dominick Santoriello, MD

3:00 p.m. Refreshment Break

3:30 p.m. Dysproteinemia-related Renal Diseases
Glen S. Markowitz, MD

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

5:00 p.m. Pathology and Treatment of Hypertension
Andrew S. Bomback, MD, MPH and M. Barry Stokes, MD

6:00 p.m. Adjourn
**SATURDAY, JULY 11, 2020**

9:00 a.m.– 1:00 p.m.  **Optional Renal Pathology Laboratory**

**LOCATION:** Vanderbilt Clinic 14-224 (Microscope Section)

**Native Kidney Biopsies**
Dominick Santoriello, MD

**Transplant Kidney Biopsies**
Ibrahim Batal, MD

*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.*

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**MEETING LOCATION**

William Black Medical Research Building
650 West 168th Street, Alumni Auditorium
Columbia University Irving Medical Center
New York, NY 10032

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

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**ACCREDITATION STATEMENT**

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

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**AMA CREDIT DESIGNATION STATEMENT**

The Columbia University Vagelos College of Physicians and Surgeons designates this live activity for a maximum of 29.0 **AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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**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.
HOTEL ACCOMMODATIONS

A block of rooms has been reserved at the Lucerne, at the special rate of $250 per night, plus state & local taxes. These special room rates are available to the course attendees from July 7–11, 2020. 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 #296950.

Rooms will be held until June 8, 2020 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 8, 2020
RATE: $250/night

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.

ADDITIONAL INFORMATION

Center for Continuing Medical Education
Columbia University Vagelos College of Physicians and Surgeons
630 West 168th Street, Unit 39
New York, NY 10032
Telephone: (212) 305-3334
Fax: (212) 305-5740
email: cme@columbia.edu
www.ps.columbia.edu/cme
TUITION

Physicians with Optional Laboratory: $895; Physicians without Optional Laboratory $795; New York-Presbyterian Alumni Associates/Network Physicians with Optional Laboratory: $750; New York Presbyterian Alumni Associates/Network Physicians without Optional Laboratory: $650; Fellows & Residents in training with Optional Laboratory: $550; Fellows & Residents in training without Optional Laboratory: $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 June 28, 2020. 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
Vagelos College of Physicians and Surgeons
Center for Continuing Medical Education
630 West 168th Street, Unit 39
New York, NY 10032

Online: www.ps.columbia.edu/cme

Telephone registrations and/or cancellations are not accepted.

AMERICANS WITH DISABILITIES ACT

The Columbia University Vagelos 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 2020

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**EMAIL**

**PLEASE NOTE:** Your email address is used for critical information about the course including: registration confirmation, course evaluation and certificate. Please be sure to include an email address you check daily or frequently.

**INSTITUTION**

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**TRANSPORTATION**

- [ ] I will
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**RENAL BIOPSY COURSE REGISTRATION**

- [ ] $895 Physicians with Optional Laboratory
- [ ] $795 Physicians without Optional Laboratory
- [ ] $550 Residents & Fellows with Optional Laboratory
- [ ] $450 Residents & Fellows without Optional Laboratory (with a letter from program director)
- [ ] $750 NewYork-Presbyterian Alumni Associates/Network Physicians with Optional Laboratory
- [ ] $650 NewYork Presbyterian Alumni Associates/Network Physicians without Optional Laboratory

**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.columbiacme.org](http://www.columbiacme.org) to register and pay by credit card. American Express, Discover, MasterCard, and Visa only.
43RD ANNUAL POSTGRADUATE MEDICINE COURSE
THE COLUMBIA RENAL BIOPSY COURSE
WEDNESDAY-SATURDAY, JULY 8-11, 2020
PRESENTED BY Columbia University Vagelos College of Physicians and Surgeons Departments of Pathology & Medicine