14th Annual
Mayo Clinic Update in Nephrology and Kidney Transplantation

September 18-19, 2015
Radisson Blu Minneapolis Downtown
35 7th Street
Minneapolis, MN  55402

Program Director:
Ziad M. El-Zoghby, M.D.
Planning Committee:
Edward T. Casey, D.O.
Suzanne M. Norby, M.D.
Qi Qian, M.D.

Program Highlights:
• Broad and Hot Topics in Only 2 Days
• Ultrasound Workshop
• Interactive Case-Based Discussion

REGISTER ONLINE NOW!
ce.mayo.edu/nephrology
GENERAL INFORMATION

COURSE DESCRIPTION

The Annual Update in Nephrology and Kidney Transplantation is a two-day course designed to update participants on a range of nephrology topics relevant to current medical practice.

Topics include:
• chronic kidney disease
• hypertension
• glomerular disease
• dialysis
• kidney transplantation

Through a combination of lectures, literature review, and case-based presentations, this course will deliver up-to-date and cutting edge information that can be directly integrated into clinical practice.

In addition, an introductory workshop “Beside Ultrasonography for the Nephrologist” will be offered Saturday morning. This 4-hour hands-on workshop provides participants with techniques used to acquire ultrasound images of the kidneys, bladder and large vessels and guidance in recognizing common pathology detected by ultrasound. An additional fee of $150.00 is required to participate in this workshop, and space is limited to the first 12 participants. Sign up for this session on the registration website.

The course provides ample opportunity for interaction with expert faculty. We continue to feature the popular audience response system to maximize speaker and attendee interactions. A comprehensive on-line syllabus will be available for future reference.

Attendees are encouraged to bring laptops or iPads for viewing during the course.

INTENDED AUDIENCE

This course is intended for all members of the nephrology community and will be of interest to nephrologists, nephrology trainees, nurse practitioners, physician assistants, nurses, internists, primary care physicians and other specialists who participate in the care of patients with kidney disorders and kidney and/or pancreas transplants.

COURSE LEARNING OBJECTIVES

At the completion of this course, participants should be able to:
• Appraise recent publications related to dialysis
• Summarize outcomes of incident dialysis patients after hospitalization
• Recognize new antidiabetes medications and the implication for nephrologists
• Apply clinical pearls in managing patients with kidney stones
• Integrate recent treatment strategies for ANCA vasculitis into practice
• Identify strategies for kidney transplantations across blood barrier
• Describe short- and long-term issues for kidney donors

For the Bedside Ultrasonography Workshop:
• Perform ultrasound of the kidneys, bladder, large vessels and lungs
• Recognize common pathology detected by ultrasound examination
• Review and apply the principles of central line placement

For the ABIM Medical Knowledge Modules session:
• Complete two Self-Evaluation of Medical Knowledge modules, worth 10 points each toward the ABIM Maintenance of Certification

Attendance at this Mayo course does not indicate nor guarantee competence or proficiency in the performance of any procedures which may be discussed or taught in this course.

CREDIT

Mayo Clinic College of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Mayo Clinic College of Medicine designates this live activity for a maximum of 16.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

GRANTS AND EXHIBITS

At the time of this printing, a complete listing of commercial supporters (financial or in-kind) was not available. Appropriate acknowledgment will be given to all supporters at the time of the meeting.

Exhibits will be available for viewing at all scheduled breaks.
DATE AND LOCATION

The 14th Annual Update in Nephrology and Kidney Transplantation will be held September 18-19, 2015. Course headquarters will be located at the Radisson Blu Minneapolis Downtown, 35 South 7th Street, Minneapolis, MN 55402 in Scandinavian Ballroom 3.

REGISTRATION

To register online, visit https://ce.mayo.edu/nephrology/node/3125. The registration fee includes tuition, comprehensive electronic course syllabus, continental breakfasts, break refreshments, lunch, and reception. Although it is not Mayo School of Continuous Professional Development (CPD) policy to limit the number of registrants for a course, conference room facilities may necessitate closing of enrollment; therefore, early registration is advised. A letter of confirmation will be sent upon receipt of payment. Please present the confirmation letter when checking in at the meeting registration desk.

For additional information, contact:
Matrix Meetings, Inc.
1202 ½ 7th Street NW, Suite 209
Rochester, MN  55901
E-mail: tracy@matrixmeetings.com
Phone: 507-288-5620
Fax: 507-288-0014

Saturday morning sessions: (Transplantation and Bedside Ultrasonography Workshop)
Participants will choose to attend one of two simultaneous sessions.
Participation in the Ultrasonography workshop requires an additional $150 fee at the time of course registration. Space is limited to the first 12 registrants.

Saturday afternoon sessions:
ABIM Maintenance of Certification Modules
In order to earn a total of 20 points toward the Medical Knowledge portion of the ABIM Maintenance of Certification Process, participants in the Saturday afternoon sessions must:
- Submit the answers to the questions to the ABIM for scoring. Instructions for this are provided when the module is ordered from the ABIM. If claiming the AEMA PRA Category 1 Credits™, you may only claim credit with either the ABIM or Mayo School of Continuous Professional Development. You may not claim credit with both organizations. Conference registrants are welcome to attend this session even if not enrolled in the ABIM Maintenance of Certification program.

LODGING ACCOMMODATIONS

Following a stunning, multimillion-dollar total hotel renovation, the new iconic Radisson Blu Minneapolis Downtown has been dramatically redesigned to mirror the buzz of downtown Minneapolis. Travelers are just a few blocks from popular attractions, world-class shopping and the business district, making it easy to see the best of the area and still enjoy upper-upscale hospitality and modern, comfortable guest rooms. With an award-winning restaurant that focuses on local, sustainable food and on-site amenities that include state-of-the-art fitness center, you may have a hard time finding a reason to leave.

Guest rooms have been reserved for attendees and their guests at a special course rate of $169 single/double at the Radisson Blu Minneapolis Downtown, Minnesota. To receive the course rate, reservations must be made before the room block is filled or by August 19, 2015, whichever comes first. Reservations will be taken following this date based on space and rate availability. To make your reservation, please call 612-339-4900 or 800-333-3333 and ask for Mayo Nephrology discount.

Check-in:     3:00 p.m.
Check-out: 12:00 p.m.

Lodging arrangements are the sole responsibility of the individual registrant.

Mayo School of CPD is not responsible for expenses incurred by an individual who is not confirmed and for whom space is not available at the meeting. Costs incurred by the registrant such as airline or hotel fees or penalties are the responsibility of the registrant.

TRAVEL

Minneapolis, Minnesota is a friendly city that greets thousands of visitors from around the world each year. The city is serviced by the Minneapolis/St. Paul International Airport with multiple flights daily. Access to and
from the airport is provided by taxi, shuttle service, light rail and rental car. The airport is located approximately 12 miles from the Radisson Blu Minneapolis Downtown. Driving directions can be found at http://www.radissonblu.com/hotel-minneapolis/location.

Travel arrangements are the sole responsibility of the individual registrant.

PARKING
On-site parking is located in the Plaza Seven/Radisson Plaza Hotel parking garage, located under the hotel. Current parking rates are as follows: Hotels guests will be charged $19 per day for overnight parking Sunday – Thursday and $6 per day for overnight parking on Friday and Saturday after 5:00 pm. Parking is based on first come, first serve.

SOCIAL PROGRAMS
Welcome Reception
Friday, September 18, 2015
Attendees and their guest(s) are cordially invited to join the course faculty for the Welcome Reception on Friday, September 18, 2015 in the Denmark Commons. This casual reception welcomes you to Minneapolis, officially opens the course, and offers you the perfect opportunity to make connections with existing and new colleagues. Pre-registration is requested.

RECREATION/LEISURE ACTIVITIES
Attendees are just a few blocks from popular attractions, world-class shopping and the business district, making it easy to see the best of the area and still enjoy upper-upscale hospitality and modern, comfortable guest rooms. With an award-winning restaurant that focuses on local, sustainable food and on-site amenities that include state-of-the-art fitness center, you may have a hard time finding a reason to leave.

Hotel patrons are a short walk from many top attractions, including the theatres of Hennepin Avenue, Macys, Target Center and Target Field.

FACULTY
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Ziad M. El-Zoghby, MD

Mayo Clinic Planning Committee
Ziad M. El-Zoghby, MD
Edward T. Casey, DO
Suzanne M. Norby, MD
Qi Qian, MD

Mayo Faculty
Robert Albright, DO
Edward T. Casey, DO
George Chow, MD
Maria L. Collazo-Cavell, MD
John Dillon, MD
Ziad El-Zoghby, MD
Molly A. Feely, MD
Peter M. Fitzpatrick, MD
Joseph Grande, MD
Raymond L. Heilman, MD
Lakonya J. Hickson, MD
Kianoush B. Kashani, MD
Amy E. Kranbeck, MD
Rajiv Kumar, MD
John C. Lieske, MD
Elizabeth C. Lorenz, MD
Fawad M. Qureshi, MD
Gary L. Schwartz, MD
Hiroshi Sekiguchi, MD
Pankaj Shah, MD
Carrie A. Schinstock, MD
Ulrich Specks, MD
Mark Stiegall, MD
Sandra J. Taler, MD
William F. Young, Jr., MD

FACULTY DISCLOSURE
As a provider accredited by ACCME, College of Medicine, Mayo Clinic (Mayo School of Continuous Professional Development) must ensure balance, independence, objectivity and scientific rigor in its educational activities. Course director(s), planning committee, faculty, and all others who are in a position to control the content of this educational activity are required to disclose all relevant financial relationships with any commercial interest related to the subject matter of the educational activity. Safeguards against commercial bias have been put in place. Faculty also will disclose any off-label and/or investigational use of pharmaceuticals or instruments discussed in their presentation. Disclosure of this information will be published in course materials so those participants in the activity may formulate their own judgments regarding the presentation.

NATIONAL PHYSICIAN PAYMENT TRANSPARENCY PROGRAM
Mayo Clinic College of Medicine complies with the requirements of the National Physician Payment Transparency Program OPEN PAYMENTS (Physician Payments Sunshine Act).
FRIDAY, SEPTEMBER 18, 2015

7:00 a.m.  Registration and Breakfast

7:45 a.m.  Introduction and Welcome
Ziad El-Zoghby, MD

7:50 a.m.  Pre-Test
Ziad El-Zoghby, MD

Morning Session I - ESRD Topics

8:00 a.m.  Literature Update in Dialysis
Robert Albright, DO

8:30 a.m.  Readmissions and Renal Recovery in Incident Dialysis Patients
LaTonya J. Hickson, MD

9:00 a.m.  Palliative Care and End of Life Issues
Molly A. Feely, MD

9:40 a.m.  Q&A Discussion

10:00 a.m.  Refreshment Break

Morning Session II – CKD and Hypertension

10:20 a.m.  FGF-23 in CKD and ESRD
Rajiv Kumar, MD

11:00 a.m.  Literature Highlights in CKD
Peter M. Fitzpatrick, MD

11:30 a.m.  Update on Hypertension Guidelines
Gary L. Schwartz, MD

12:10 p.m.  Lunch

Afternoon Session I – General Nephrology Topics

1:20 p.m.  New and Old Anti-Diabetics: What Nephrologists Should Know?
Pankaj Shah, MD

1:55 p.m.  Kidney Stones Workshop (Case-Based)
John C. Lieske, MD

Afternoon Session II – Urology for the Nephrologist

2:30 p.m.  Surgical Approach for Kidney Stones
Amy E. Krambeck, MD

3:05 p.m.  Management of Kidney Mass
George Chow, MD

3:40 p.m.  Refreshment Break

Afternoon Session III – Parenchymal Disease

4:00 p.m.  Management of ANCA Vasculitis
Ulrich Specks, MD

4:45 p.m.  Renal Pathology Round Table
John Dillon, MD
Joseph Grande, MD

6:00 p.m.  Adjourn

6:00 – 7:15 p.m.  Welcome Reception
All faculty, participants, and their guests are invited
SATURDAY, SEPTEMBER 19, 2015

CONCURRENT MORNING SESSIONS

<table>
<thead>
<tr>
<th>Time</th>
<th>Transplant Topics</th>
<th>Bedside Ultrasonography for the Nephrologist: Hands-on Workshop</th>
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<tbody>
<tr>
<td>7:30 a.m.</td>
<td>Continental Breakfast</td>
<td>Continental Breakfast</td>
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<tr>
<td>8:00 a.m.</td>
<td>Contemporary Immunosuppressive Protocols</td>
<td>7:30 a.m. Bedside Ultrasonography for the Nephrologist: Hands-on Workshop</td>
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<td>Raymond L. Heilman, MD</td>
<td>8:00 – 12:00 p.m.</td>
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<td>8:35 a.m.</td>
<td>Obesity, Bariatric Surgery and Transplant Candidates</td>
<td>8:00 a.m. Basic Principles of Ultrasonography (Physiology and Knobology)</td>
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<td>Maria L. Collazo-Clavell, MD</td>
<td>8:15 a.m. Kidney and Bladder Ultrasonography</td>
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<td>9:10 a.m.</td>
<td>Pancreas Transplant</td>
<td>8:30 a.m. Ultrasonography to Assess Volume Status</td>
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<td>9:40 a.m.</td>
<td>Refreshment Break</td>
<td>8:45 a.m. Hands-on Sessions</td>
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<tr>
<td>10:00 a.m.</td>
<td>Kidney Donor Issues</td>
<td>• Kidney and Bladder</td>
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<td>Sandra J. Taler, MD</td>
<td>• Vascular Access: Jugular Vein Cannulation</td>
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<td>10:30 a.m.</td>
<td>Kidney Transplant Across Blood Barrier</td>
<td>9:45 a.m. Refreshment Break</td>
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<td>Carrie A. Schinstock, MD</td>
<td>10:00 a.m. Hands-on Sessions</td>
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<tr>
<td>11:00 a.m.</td>
<td>Trends and New Developments in Transplantation</td>
<td>• Lungs</td>
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<td>Mark Stegall, MD</td>
<td>• Inferior Vena Cava / Aorta (CVP and Volume Status)</td>
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<td>12:00 p.m.</td>
<td>Lunch</td>
<td>11:00 p.m. Interpretation: Practice Interpreting Abnormal Studies</td>
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<td>12:00 p.m. Lunch</td>
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LUNCH PRESENTATION (ALL)

12:15 - 12:45 p.m. Endocrine Hypertension (Case-Based)
                William F. Young, Jr., MD

AFTERNOON SESSIONS (ALL)

1:00 p.m. Post-Test
          Ziad El-Zoghby, MD

Afternoon Session I –Maintenance of Certification Workshop – Part A

1:15 p.m. ABIM Maintenance of Certification Module
          2015 Update in Nephrology
          Edward T. Casey, DO
          Ziad El-Zoghby, MD

3:00 p.m. Refreshment Break and Exhibits

Afternoon Session II –Maintenance of Certification workshop – Part B

3:20 p.m. ABIM Maintenance of Certification Module
          2015 Update in Internal Medicine
          Edward T. Casey, DO
          Ziad El-Zoghby, MD

5:00 p.m. Adjourn
Register online:
https://ce.mayo.edu/nephrology

Registration Fee:
Course Registration (MD, PhD, DO, PharmD)  $480.00
Course Registration (Resident, PA, NP, RN)  $380.00
One-Day Fee (Nurses Only) $150.00
Ultrasound Workshop $150.00
(additional cost to attendees who have registered for the general session)

Registration is only available online at:
https://ce.mayo.edu/nephrology/node/3125

A letter of confirmation and receipt will be forwarded to this email address upon receipt of submitted registration and payment. Please present the confirmation letter when checking in at the meeting registration desk.

The registration fee includes tuition, comprehensive online course syllabus, continental breakfasts, break refreshments, lunch, and a welcome reception.

Although it is not Mayo School of Continuous Professional Development (CPD) policy to limit the number of registrants for a course, conference room facilities may necessitate closing of enrollment; therefore, early registration is advised. Enrollment for this program is limited.

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Phone:  507-288-5620
Fax: 507-288-0014

Email: tracy@matrixmeetings.com
Website:  https://ce.mayo.edu/nephrology

Cancellation Policy
If you cancel your participation in this course, your registration fee, less a $75 administrative fee, will be refunded when written notification is received by Matrix Meetings before September 4, 2015 (tracy@matrixmeetings.com or fax#: 507-288-0014). No refunds will be made on or after September 4, 2015. Canceled registrations are non-transferable.

Mayo School of CPD reserves the right to cancel or postpone any course due to unforeseen circumstances. In the unlikely event Mayo School of CPD must cancel or postpone this course, Mayo School of CPD will refund the registration fee, but is not responsible for any related costs, charges, or expenses to participants, including fees assessed by airline/travel/lodging agencies.
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