Mayo School of Continuous Professional Development

3rd Annual
Mayo Clinic
Esophageal Diseases Course

Friday & Saturday
December 4 & 5, 2015

Mayo Clinic Education Center
Phoenix, Arizona

REGISTER ONLINE NOW!
$75 Discount expires November 4, 2015 | www.ce.mayo.edu/gastroenterology

This course is endorsed by the American Society for Gastrointestinal Endoscopy.
COURSE DESCRIPTION
Esophageal disease is a rapidly-developing area marked by significant advances in diagnosis, therapy and identification of new diseases. In this continuing medical education activity, a comprehensive approach will be taken to explore these exciting advancements including high-resolution manometry and impedance monitoring, new techniques in endoscopic detection and treatment of Barrett’s esophagus, and insights into new diseases such as eosinophilic esophagitis.

A special feature of this program is a hands-on workshop for interpretation and performance of motility studies, new endoscopic imaging techniques, endoscopic mucosal resection and ablation, and transnasal endoscopy. Participants will rotate through each of the following stations:

• EMR Cap
• EMR Ligation
• Radiofrequency Ablation
• Endoscopic Closure of Esophageal Perforations: Clips (through scope and over the scope) and Stents
• Motility (Basic and Advanced)
• Transnasal Endoscopy

COURSE LEARNING OBJECTIVES
Upon completion of this course, participants should be able to:

• Summarize principles and interpretation of esophageal high resolution manometry.
• Recognize current management options in achalasia particularly the role of POEM and menometric classification of achalasia subtypes.
• Identify appropriate use of diet, drug and dilation therapy in patients with eosinophilic esophagitis.
• Complete a comprehensive assessment of patients with symptoms of refractory reflux.
• Identify which patients with refractory GERD are appropriate to refer for surgery.
• Identify non-endoscopic methods of screening for Barrett’s esophagus and diagnosis and monitoring of eosinophilic esophagitis.
• Summarize new guidelines in the management of patients with Barrett’s esophagus.

INTENDED AUDIENCE
This course is designed for practicing gastroenterologists, fellows and residents in gastroenterology. Family practitioners, thoracic surgeons, otolaryngologists and pulmonologists, as well as other health care professionals with an interest in esophageal diseases may benefit from this program.

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

AAFP – Application for CME credit has been filed with the American Academy of Family Physicians. Determination of credit is pending.

AOA – This program has been accredited by the American Osteopathic Association for 14.5 credits of AOA Category 2-A.

Other Health Care Professionals – A record of attendance will be provided to other health care professionals for requesting credits in accordance with state nursing boards, specialty societies, or other professional associations.

GRANTS AND EXHIBITS
This course is supported in part by educational grants, in accordance with ACCME standards.

As of this printing, a complete listing of commercial supporters was not available. Appropriate acknowledgment will be given to all supporters at the meeting.

MEETING LOCATION
Mayo Clinic Education Center
5777 East Mayo Boulevard
Phoenix, Arizona 85054
Phone: (480) 515-6296
Website: www.mayo.edu/education/about/about-mayo-clinic/mayo-clinic-in-Arizona/education-center

Mayo Clinic Education Center creates an ideal environment for medical learners to participate in education and training about the most up-to-date techniques and biomedical advances. The Education Center is located directly adjacent to Mayo Clinic Hospital in Phoenix, just west of the main hospital entrance.

DISCLAIMER
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.
ACCOMMODATIONS
Residence Inn Phoenix Desert View at Mayo Clinic
5665 East Mayo Boulevard • Phoenix, Arizona 85054
Phone: (866) 754-5927 or (480) 563-1500 • Website: www.marriott.com/phxmh
Reservations: www.marriott.com/phxmh, insert preferred check-in/check-out dates, select “Special Rates” and enter Group Code MCEMCEA

Conveniently located on the Mayo Clinic Hospital campus, the Residence Inn Phoenix Desert View at Mayo Clinic offers spacious suites, complimentary hot buffet breakfast (6 to 9 a.m. daily), high-speed internet access, fitness facilities, swimming pool, a business center, and free parking. Check-in time starts at 3 p.m.; check-out time is noon.

A block of rooms, studio suites, at a special group rate of $149 (USD), per night, plus applicable state and local taxes (currently 12.27%), is available for course participants and guests. Group rates will apply three days prior to and after the course dates, based upon space and rate availability.

Make your reservation by calling (866) 754-5927 or (480) 563-1500 before the room block is filled or before the cut-off date, November 5, 2015. Reservations received after this date will be accepted on a rate and space available basis. When making your reservation, identify yourself as a participant of the Mayo Clinic Esophageal course.

Attendees are responsible for their own reservations. The standard hotel reservation cancellation policy will apply to individual reservations unless otherwise specified.

GROUND TRANSPORTATION
Hertz is offering a reduced daily rate for participants attending the course. Visit Hertz online, www.hertz.com, and enter convention number (CV) #03NR0010 in the respective “Discount or Promo Code” section. Special rates include unlimited mileage and are subject to availability. Advance reservations are recommended as cars are subject to availability; blackout dates may apply.

SuperShuttle vans offer airport transportation to and from area hotels and businesses. To make reservations, call (800) 258-3826 or (602) 244-9000, or visit www.supershuttle.com.

RECREATION/LEISURE ACTIVITIES
Visit www.visitphoenix.com or www.scottsdalecvb.com for recreation and leisure activities.

REGISTRATION

An email confirmation will be sent upon receipt of payment and completed registration. If you do not receive your confirmation, or if you have any questions, please email us at mca.cme@mayo.edu or call (480) 301-4580.

No refund will be granted unless a written notice of cancellation is received. If registration must be canceled, tuition less a $75 administrative fee, will be refunded when notification is received on or before November 19, 2015. No refunds will be made after this date.

Although it is not Mayo Clinic’s policy to limit the number of registrants for a course, conference room facilities may necessitate closure of enrollment. Early registration is strongly recommended. Walk-in registrations cannot be guaranteed. Mayo Clinic will not be responsible for expenses incurred by individuals who are not confirmed for courses with a closed registration status. Costs incurred by the registrant such as airline/hotel fees or penalties are the responsibility of the registrant.

Mayo School of Continuous Professional Development (MSCPD) reserves the right to cancel or postpone any course due to unforeseen circumstances. In the unlikely event that MSCPD must cancel or postpone this course, MSCPD will fully refund the registration fee, but are not responsible for any related costs, charges or expenses to participants, including fees assessed by airline, travel or lodging agencies.

$75 DISCOUNT FOR EARLY REGISTRATION

https://ce.mayo.edu/gastroenterology/node/3683 (Offer expires November 4, 2015)

When registering online, please be sure to “check-out” after your profile is created or updated.

REGISTRATION FEES

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<tr>
<td>Physicians Active in Practice</td>
<td>$550</td>
<td>$625</td>
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<tr>
<td>Other (resident, retired, allied health)</td>
<td>$450</td>
<td>$525</td>
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This course includes a hands-on workshop opportunity. Upon completion of your online registration, registrants will receive a survey to identify and rank, in order of preference, the stations in which they would like to participate.

Your registration fee includes tuition, access to the online course syllabus, continental breakfast, break refreshments, and lunch each day. A link to the online syllabus will be sent via email one week prior to the course. This allows you to view, save or print the syllabus before attending the course.

When registering online, please be sure to “check-out” after your profile is created or updated.
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:30 a.m.</td>
<td>Registration, Continental Breakfast and Exhibits</td>
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<tr>
<td>8:00</td>
<td>Welcome &amp; Introductions</td>
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<td></td>
<td>Prasad G. Iyer, M.D.</td>
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<tr>
<td>8:10</td>
<td><strong>ESOPHAGEAL MOTILITY DISORDERS</strong></td>
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<tr>
<td></td>
<td><strong>Moderator:</strong> David A. Katzka, M.D.</td>
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<tr>
<td></td>
<td>Introduction to High Resolution Manometry</td>
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<td></td>
<td>Marcelo F. Vela, M.D.</td>
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<tr>
<td>8:25</td>
<td>Diffuse Esophageal Spasm and Non-Cardiac Chest Pain</td>
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<td>Karthik Ravi, M.D.</td>
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<td>8:40</td>
<td>Oropharyngeal Dysphagia</td>
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<td>Joseph A. Murray, M.D.</td>
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<tr>
<td>8:55</td>
<td>Q &amp; A Session</td>
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<tr>
<td></td>
<td>Marcelo F. Vela, M.D., Karthik Ravi, M.D., and Joseph A. Murray, M.D.</td>
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<tr>
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<td><strong>EOSINOPHILIC ESOPHAGITIS</strong></td>
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<td><strong>Moderator:</strong> Francisco C. Ramirez, M.D.</td>
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<tr>
<td>9:10</td>
<td>Is Dietary Therapy Worthwhile in Adults?</td>
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<td></td>
<td>Karthik Ravi, M.D.</td>
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<tr>
<td>9:25</td>
<td>Drug Therapy: New Developments</td>
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<td></td>
<td>David A. Katzka, M.D.</td>
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<tr>
<td>9:40</td>
<td>Does Allergy Testing Help?</td>
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<td></td>
<td>Jeffrey A. Alexander, M.D.</td>
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<tr>
<td>9:55</td>
<td>Q &amp; A Session</td>
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<td>Karthik Ravi, M.D., David A. Katzka, M.D., and Jeffrey A. Alexander, M.D.</td>
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<tr>
<td>10:10</td>
<td>Refreshment Break and Exhibits</td>
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<tr>
<td>10:40</td>
<td><strong>GASTROESOPHAGEAL REFLUX DISEASE</strong></td>
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<td><strong>Moderator:</strong> Joseph A. Murray, M.D.</td>
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<tr>
<td>10:55</td>
<td>Atypical Manifestations of Reflux</td>
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<td>Magnus Halland, M.D., B.Med.</td>
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<tr>
<td>11:10</td>
<td>Evaluation and Management of Refractory Reflux</td>
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<td>Kenneth R. DeVault, M.D.</td>
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<td>11:25</td>
<td>Indications for Surgery</td>
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<td>James A. Madura, II, M.D.</td>
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<td>11:40</td>
<td>Lunch <em>(provided)</em></td>
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<td>12:15</td>
<td><strong>GRAND ROUNDS – BARRETT’S ESOPHAGUS</strong></td>
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<td><strong>Moderator:</strong> David E. Fleischer, M.D.</td>
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<tr>
<td>12:15</td>
<td>How Can Advanced Imaging Help Us See More and</td>
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<td>Biopsy Less in BE Surveillance?</td>
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<td>Michael B. Wallace, M.D.</td>
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<td>12:35</td>
<td>What’s New (and Still the Same!!) in the 2015 BE Guidelines?</td>
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<td>Nicholas J. Shaheen, M.D., M.P.H.</td>
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<td>1:00</td>
<td>Q &amp; A Session</td>
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<td>Michael B. Wallace, M.D. and Nicholas J. Shaheen, M.D., M.P.H.</td>
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<td>1:15</td>
<td>Break</td>
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<td>1:30</td>
<td><strong>RECENT ADVANCES IN ESOPHAGOLOGY</strong></td>
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<td><strong>Moderator:</strong> Francisco C. Ramirez, M.D.</td>
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<td>POEM: Will It Displace Dilation and LHM?</td>
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<td></td>
<td>Yes: Louis M. Wong Kee Song, M.D.</td>
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<td>No: Francis C. Nichols, M.D.</td>
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</table>
Program

2:00  Noninvasive Methods of Diagnosing and Monitoring Esophageal Disease: Can We Discard the Endoscope Soon?
Herbert C. Wolfsen, M.D.

2:20  Q & A Session
Louis M. Wong Kee Song, M.D., Francis C. Nichols, M.D., and Herbert C. Wolfsen, M.D.

2:30  Refreshment Break and Exhibits

CASE DISCUSSIONS

2:45  Challenging BE Cases
Herbert C. Wolfsen, M.D. and Nicholas J. Shaheen, M.D., M.P.H.

3:25  Challenging EoE Cases
Jeffrey A. Alexander, M.D. and Karthik Ravi, M.D.

4:05  Novel Endoscopic Approaches for Challenges in the Esophagus
Louis M. Wong Kee Song, M.D. and Navtej S. Buttar, M.D.

4:45  Q & A Session
Herbert C. Wolfsen, M.D., Nicholas J. Shaheen, M.D., M.P.H., Jeffrey A. Alexander, M.D., Karthik Ravi, M.D., Louis M. Wong Kee Song, M.D., and Navtej S. Buttar, M.D.

5:00  Adjourn

Saturday, December 5, 2015

7:00 a.m.  Registration, Continental Breakfast and Exhibits

7:30  Introduction to the Hands-On Workshop
Prasad G. Iyer, M.D.

8:00  Workshop Stations (Participants will rotate through the following stations)
- EMR Cap
  Michael B. Wallace, M.D. and Rahul Pannala, M.D.
- EMR Ligation
  Nicholas J. Shaheen, M.D., M.P.H. and Francisco C. Ramirez, M.D.
- Radiofrequency Ablation
  David E. Fleischer, M.D. and Herbert C. Wolfsen, M.D.
- Endoscopic Closure of Esophageal Perforations: Clips (TTS, OTS) and Stents
  Louis M. Wong Kee Song, M.D. and Navtej S. Buttar, M.D.
- Motility
  Basic: Karthik Ravi, M.D. and Marcelo F. Vela, M.D.
  Advanced: Joseph A. Murray, M.D. and Michael D. Crowell, Ph.D.
- Transnasal Endoscopy
  Jeffrey A. Alexander, M.D. and Magnus Halland, M.D., B.Med.

10:30  Refreshment Break and Exhibits

10:45  Workshop Stations (continued)

12:45 p.m.  Lunch (provided)

CASE DISCUSSIONS

1:30  Unusual Diseases to be Aware of in the Esophageal Clinic
Magnus Halland, M.D., B.Med.

2:10  Case Studies in GERD: Challenging Cases
Francisco C. Ramirez, M.D.

2:50  Interesting Motility Cases
Marcelo Vela, M.D.

3:30  Q & A Session
Magnus Halland, M.D., B.Med., Francisco C. Ramirez, M.D., and Marcelo Vela, M.D.

3:45  Closing Comments, Evaluation and Adjourn

Program schedule is subject to change without notice.
COURSE DIRECTOR
Prasad G. Iyer, M.D.

COURSE CO-DIRECTORS
David A. Katzka, M.D.
Francisco C. Ramirez, M.D.
Herbert C. Wolfsen, M.D.

GUEST FACULTY
Nicholas J. Shaheen, M.D., M.P.H.
Professor of Medicine and Epidemiology
Chief, Division of Gastroenterology and Hepatology
University of North Carolina School of Medicine – Chapel Hill, North Carolina

MAYO CLINIC
Jeffrey A. Alexander, M.D.
Navtej S. Buttar, M.D.
Michael D. Crowell, Ph.D.
Kenneth R. DeVault, M.D.
David E. Fleischer, M.D.
Magnus Halland, M.D., B.Med.
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Rahul Pannala, M.D.
Karthik Ravi, M.D.
Marcelo F. Vela, M.D.
Michael B. Wallace, M.D.
Louis M. Wong Kee Song, M.D.

FACULTY DISCLOSURE:
As a provider accredited by ACCME, Mayo Clinic College of Medicine (Mayo School of CPD) must ensure balance, independence, objectivity and scientific rigor in its educational activities. Course Director(s), Planning Committee Members, 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 will also 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).