Mayo School of Continuous Professional Development

11th ANNUAL COURSE

Mayo Clinic EUS Summit

July 31-August 2, 2014

Leighton Auditorium • Rochester, Minnesota

For more information and to register, please visit:
http://www.mayo.edu/cme/gastroenterology

Course Directors:
Michael J. Levy, M.D.
Maurits J. Wiersema, M.D.
Ferga C. Gleeson, M.D.

REGISTER NOW
This course is designed to provide endosonographers, gastroenterologists, and other health care providers at all levels of experience a comprehensive multidisciplinary review of endoscopic ultrasound. The course includes the opportunity for either a live all-day ‘In-the-Room’ or an all-day ‘Hands-On’ animal lab experience.

Upon conclusion of this program, participants should be able to:

- Establish the T, N, and M stage for luminal tumors and pancreatic cancer
- Differentiate the various types of cystic pancreatic tumors
- Identify the utility of EUS for evaluating patients with chronic pancreatitis
- Differentiate the various subepithelial mass lesions
- Recognize the technical aspects and role of interventional EUS procedures
- Demonstrate proper technique for EUS guided biopsy (cytology & histology)
- Identify the adverse events associated with EUS

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.

Course Directors
11th Annual EUS Summit
Michael J. Levy, M.D.
Maurits J. Wiersema, M.D.
Ferga C. Gleeson, M.D., F.A.C.G.

Principles and Pearls in Pancreatology
Bret T. Petersen, M.D.
Suresh T. Chari, M.D.

Faculty
Barham K. Abu Dayyeh, M.D.
Amindra S. Arora, M.B., B.Chir.
Michaela S. Banck, M.D.
Claire E. Bender, M.D.
Juliane Bingener-Casey, M.D.
Haraldur Bjarason, M.D.
Suresh T. Chari, M.D., F.A.C.G.

Jonathan E. Clain, M.D., F.A.C.G.
Joseph M. Colmano, J.D.
Eric S. Edell, M.D.
Michael B. Farnell, M.D.
Joel G. Fletcher, M.D.
Ferga C. Gleeson, M.D., F.A.C.G.
Christopher J. Gostout, M.D., F.A.C.G.
Stephanie L. Hansel, M.D.
David M. Hough, M.B., Ch.B.
Prasad G. Iyer, M.D., F.A.C.G.
David A. Katzka, M.D., F.A.C.G.
Michael L. Kendrick, M.D.
Sarah E. Kerr, M.D.
Yogish C. Kudva, M.B.B.S.
Michael J. Levy, M.D.
Michael A. McKusick, M.D.
Robert R. McWilliams, M.D.
Rahul Pannula, M.D.
Randall K. Pearson, M.D.
Gloria M. Petersen, Ph.D.
Massimo Raimondo, M.D., F.A.C.G.
Michael G. Sarr, M.D.
Thomas C. Smyrk, M.D.
Naoki Takahashi, M.D.
Mark J. Truty, M.D.
Santhi Suvaroop Vege, M.D., F.A.C.G.
Louis M. Wong Kee Song, M.D.

Guest Faculty
Brenna W. Casey, M.D.
Grace H. Elta, M.D., F.A.C.G.
Philip A. Hart, M.D.
Robert H. Hayes, M.D.
Tercio L. Lopes, M.D.
J. Shawn Mallery, M.D., F.A.C.G.
Andrew Ross, M.D.
William M. Steinberg, M.D.
Mark A. Virtue, M.D.
Maurits J. Wiersema, M.D.

* Faculty and program schedule are subject to change.
DATE AND LOCATION
11th Annual Course: Mayo Clinic EUS Summit – July 31 – August 2, 2014
Leighton Auditorium, Siebens Building, Rochester, Minn.
Principles and Pearls in Pancreatolology – July 30, 2014
Rochester Marriott Mayo Clinic Area Ballroom, Rochester, Minn.

INTENDED AUDIENCE
11th Annual EUS Summit - The intended audience includes medical professionals with various levels of expertise and fields of medicine who currently perform EUS. Those who hope to learn this procedure will also benefit, as may physicians who do not perform EUS, but rely on this technique as a part of patient care. Based on prior registrants, those expected to attend include physicians and mid-level health care providers.

Principles and Pearls in Pancreatolology Course – All health care providers who care for patients with both benign and malignant pancreatic disease. The content complements that of the EUS course.

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.

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

*11th Annual EUS Summit & Principles and Pearls in Pancreatolology – 24.25 AMA PRA Category 1 Credits™
*11th Annual EUS Summit – 17.0 AMA PRA Category 1 Credits™
*Principles and Pearls in Pancreatolology – 7.25 AMA PRA Category 1 Credits™

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 Mayo School of CPD before July 16, 2014 (cme@mayo.edu or fax#: 507-284-0532). No refunds will be made on or after July 16, 2014. Canceled registrations are non-transferable.

TRAVEL
Rochester, Minnesota (RST) and Minneapolis/St. Paul (MSP) is serviced by multiple daily flights. Access to and from the airport is provided by taxi, shuttle service, and rental car. The Rochester airport is located approximately 10 miles from the Mayo Clinic.

LODGING ACCOMMODATIONS
Reserve your hotel room before July 7, 2014 for the special group rate. Identify yourself as a participant of the EUS course when making your reservation. Lodging and travel arrangements are the sole responsibility of the individual registrant.

Rochester Marriott Mayo Clinic Area
101 First Avenue SW
877-623-7775 or 507-280-6000
$149 single/double
7:55-8:00 a.m. Welcome and Opening Comments – Michael J. Levy, M.D.

8:00-8:45 a.m. Controversies in Managing Cystic Pancreatic Tumors
Case Presentations and Panel Discussion
8:00-8:15 a.m. Role of EUS – Brenna W. Casey, M.D.
8:15-8:45 a.m. Case Presentations – Brenna W. Casey, M.D.
   – Pancreatologist – Suresh T. Char, M.D., F.A.C.G.
   – Endosonographer – Jonathan E. Clain, M.D., F.A.C.G., Tercio L. Lopes, M.D.
   – Surgeon – Mark J. Truty, M.D.

8:45-9:15 a.m. Is There Utility of EUS for Mediastinal Staging in Lung Cancer?
8:45-9:10 a.m. The Pulmonologist’s Perspective – Eric S. Edell, M.D.
9:10-9:15 a.m. Questions

9:15-10:00 a.m. EUS Approaches to Pancreatic Fluid Collections
9:15-9:30 a.m. Role of EUS – Andrew Ross, M.D.
9:30-10:00 a.m. Case Presentations – Andrew Ross, M.D.
   – Pancreatologist – Santhi Vege, M.D., F.A.C.G.
   – Endosonographer – Robert H. Hawes, M.D.
   – Interventional Radiologist – Michael A. McKusick, M.D.
   – Surgeon – Michael L. Kendrick, M.D.

10:00-10:30 a.m. 100 Years of Celiac Neurolysis
10:00-10:25 a.m. How Far Have We Come and Where Can We Go From Here?
   Maurits J. Wiersema, M.D.
10:25-10:30 a.m. Questions

10:30-10:50 a.m. Break

10:50-11:55 a.m. EUS-Guided Tissue Acquisition
10:50-11:10 a.m. Cytology and the Molecular World – Massimo Raimondo, M.D., F.A.C.G.
11:10-11:30 a.m. Core Biopsy Histopathology: What’s the Skinny? – Shawn Mallery, M.D., F.A.C.G.
11:30-11:50 a.m. A Cytopathologist’s Insight and Wisdom – Sarah E. Kerr, M.D.
11:50-11:55 a.m. Questions

11:55-1:00 p.m. Lunch

1:00-1:30 p.m. EUS Guided Pancreaticobiliary Access and Drainage
1:00-1:25 p.m. Michael J. Levy, M.D.
1:25-1:30 p.m. Questions

1:30-3:15 p.m. Return of the Galaxy’s Greatest EUS Cases!
   (Includes break)
   • Case Presentations – Grace H. Elta, M.D., F.A.C.G.,
     Shawn Mallery, M.D., F.A.C.G., Andrew Ross, M.D., Rahul Pannala, M.D.
     and Maurits J. Wiersema, M.D.
   – Endosonographer – Maurits J. Wiersema, M.D.
   – Clinician – David A. Katzka, M.D., F.A.C.G.
   – Interventional Radiologist – Claire E. Bender, M.D.
   – Surgeon – Michael G. Sarr, M.D.

3:15-3:45 p.m. EUS Coding and Reimbursement for Dummies
3:15-3:40 p.m. Maurits J. Wiersema, M.D.
3:40-3:45 p.m. Questions

3:45-4:15 p.m. Endoscopic Innovation: Challenges and Opportunities
3:45-4:10 p.m. Robert H. Hawes, M.D.
4:10-4:15 p.m. Questions

4:15 p.m. Adjourn

7:00 p.m. Dinner
Elizabethton Room at The Kahler Hotel
Christopher J. Gostout, M.D., F.A.C.G.
**EUS Course Program Schedule**

**Friday, August 1, 2014**

<table>
<thead>
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<th>ACTIVITY 1 - Hands-On Animal Lab</th>
<th>ACTIVITY 2 - In-The-Room Observation</th>
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<tbody>
<tr>
<td>7:30 a.m. Breakfast</td>
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<tr>
<td>Leighton Auditorium</td>
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<tr>
<td>7:45 a.m. Transportation to Animal Lab</td>
<td>7:45 a.m. Tour Facilities</td>
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<tr>
<td>8:00 a.m. Hands-On Lab</td>
<td>8:00 a.m. EUS and ERCP</td>
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<td>Noon Lunch</td>
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<tr>
<td>1:00 p.m. Hands-On Lab</td>
<td>1:00 p.m. EUS and ERCP</td>
</tr>
<tr>
<td>3:30 p.m. Adjourn</td>
<td>4:00 p.m. Adjourn</td>
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6:00 - 7:30 p.m. Trolley Tour of Rochester Historic Sites

**Saturday, August 2, 2014 • Leighton Auditorium**

8:00-8:45 a.m. EUS Evaluation and ESD of Subepithelial Lesions
Case Presentations and Panel Discussion
- Case Presentations – LM Wong Kee Song, M.D.
  - Clinician – Stephanie L. Hansel, M.D.
  - Endosonographer – Rahul Pannala, M.D.
  - Advanced Endoscopist – LM Wong Kee Song, M.D.
  - Surgeon – Juliane Bingener-Casey, M.D.

8:45-9:15 a.m. EUS Procedural, Technical, and Interpretative Pitfalls
8:45-9:10 a.m. Massimo Raimondo, M.D., F.A.C.G.
9:10-9:15 a.m. Questions

9:15-10:30 a.m. Adverse Events: Avoidance, Recognition, and Management
Case Presentations and Panel Discussion
- Case Presentations – Brenna W. Casey, M.D., Barham Abu Dayyeh, M.D., Robert H. Hawes, M.D., Prasad G. Iyer, M.D., F.A.C.G., and LM Wong Kee Song, M.D.
  - Endosonographers – Brenna W. Casey, M.D. and Mark A. Virtue, M.D.
  - Interventional Radiologist – Haraldur Bjarnason, M.D.
  - Surgeon – Mike Farnell, M.D.
  - Lawyer – Joe Colaiano, M.D.

10:30-10:45 a.m. Break

10:45-11:15 a.m. Current Status and Future Directions of EUS
10:45-11:10 a.m. Grace Elta, M.D., F.A.C.G.
11:10-11:15 a.m. Questions

11:15-12:15 p.m. Stump the Chump
Facts, Formulae, and Frolics
- MC – Ferga Gleeson, M.D., F.A.C.G.
  - Team #1: The Silent Echoes
  - Team #2: The Harmonics

12:15 p.m. Adjourn
Principles and Pearls in Pancreatology 2014

Course Objectives:
• Discuss the art of clinical decision making in pancreatic disease
• Review pancreatic pathology and how it correlates with clinical presentation

For a complete list of objectives, please visit the course website:

Wednesday, July 30, 2014 • Marriott Hotel Ballroom

7:00 a.m.  Breakfast and Course Registration
7:55 a.m.  Welcome and Overview – Bret T. Petersen, M.D.
8:00 a.m.  Rising Incidence of Pancreatic Cancer: Why and How? – Gloria M. Petersen, Ph.D.
8:20 a.m.  Early Detection of Pancreatic Cancer: Are We There Yet? (Moderator: Suresh T. Chari, M.D.)
• Histologic Progression of Pre-Cancer to Invasive Cancer – Thomas C. Smyrk, M.D.
• Principles of Screening for Pancreatic Cancer – Suresh T. Chari, M.D.
• New-Onset Diabetes as a High-Risk Group – Suresh T. Chari, M.D.
• Familial and Genetic-Syndromes – Philip A. Hart, M.D.
• Detecting Pre-Cancerous Change: EUS – Michael J. Levy, M.D.
• Detecting Pre-Cancerous Change: MRI – Naoki Takahashi, M.D.
• Case Presentations

9:20 a.m.  Advances in Management of Pancreatic Cancer: Reason for Hope? (Moderator: Randall K. Pearson, M.D.)
• Risk-Stratifying Patients for Best Surgical Outcomes – Mark J. Truty, M.D.
• Laparoscopic Whipple – Michael L. Kendrick, M.D.
• Newer Chemotherapy Regimens – Robert R. McWilliams, M.D.
• Case Presentations

10:30 a.m.  Refreshment Break
11:00 a.m.  Pancreatic Islet Cell Tumors - Are Small Lesions a Risk? (Moderator: Ferga C. Gleeson, M.D.)
• Case Vignette: 13 mm Incidental Lesion
• Observing Small Lesions – Ferga C. Gleeson, M.D.
• Ablation of Small Lesions – Michael J. Levy, M.D.
• Oncologic Approach to Small Lesions – Michaela S. Banck, M.D.
• Questions

11:40 a.m.  Evaluation and Management of Intraductal Papillary Neoplasia (IPMN) (Moderator: Jonathan E. Clain, M.D.)
• The Revised Sendai Criteria – Jonathan E. Clain, M.D.
• How Best to Characterize and Survey – CT, MRI, vs. EUS – Joel G. Fletcher, M.D.
• EUS Evaluation +/- FNA – Weighing the Pros and Cons of Cyst Fluid Analysis – Barham K. Abu Dayyeh, M.D.
• Case Presentations

12:30 p.m.  Lunch
1:15 p.m.  Differentiating AIP from Pancreatic Cancer (Moderator: Suresh T. Chari, M.D.)
• Imaging – Naoki Takahashi, M.D.
• IgG4 Serology – Philip A. Hart, M.D.
• EUS Guided Sampling for Histology – Michael J. Levy, M.D.
• Making Sense Out of Tiny Bits of Tissue – Thomas C. Smyrk, M.D.
• Steroid Trials – How and When (GI) – Philip A. Hart, M.D.
• Putting It All Together: Diagnostic Criteria – Suresh T. Chari, M.D.
• Case Presentations / Q & A

2:25 p.m.  Refreshment Break
2:40 p.m.  Acute Pancreatitis (Moderator: Santhi Swaroop Vege, M.D.)
• Drug Induced Pancreatitis – William M. Steinberg, M.D.
• Prediction of Disease Severity – Santhi Swaroop Vege, M.D.
• Alternatives for Management of Necrotizing Pancreatitis – Michael G. Sarr, M.D.
• Case Presentations

3:45 p.m.  Chronic Pancreatitis (Moderator: Santhi Swaroop Vege, M.D. or Bret T. Petersen, M.D.)
• Diagnosing Early Chronic Pancreatitis – Santhi Swaroop Vege, M.D.
• Medical Management – Enzymes, Antioxidants – Bret T. Petersen, M.D.
• Genetics – Evolving, Utility – Randall K. Pearson, M.D.
• Auto-Islet Transplantation – Selection and Outcomes – Yogish C. Kudva, M.B.B.S.
• Case Presentations

4:45 p.m.  Adjourn

Faculty and program schedule are subject to change.
REGISTRATION

**11th Annual Course: Mayo Clinic EUS Summit**
July 31 – August 2, 2014, Leighton Auditorium, Siebens Building, Rochester, Minn

**Principles and Pearls in Pancreatology** – July 30, 2014, Rochester Marriott Mayo Clinic Area, Rochester, Minn.

Registration may be completed using this form and faxing it to 507-284-0532. It can also be mailed to: Mayo School of CPD, Plummer 2-60, 200 First St SW, Rochester, MN 55905.

To register online, visit [http://www.mayo.edu/cme/gastroenterology-2014R365](http://www.mayo.edu/cme/gastroenterology-2014R365)

An email confirmation will be sent upon receipt of payment and completed registration. If you do not receive a confirmation, or if you have any questions, please contact us: cme@mayo.edu or 800-323-2688/507-284-2509.

Although it is not Mayo School of Continuous Professional Development (MSCPD) policy to limit the number of registrants for a course, conference room facilities may necessitate the closure of enrollment. Early registration is strongly advised. Walk-in registrations cannot be guaranteed.

No course syllabus will be provided.

Contact Information - (Please print or type all information. You may duplicate this form for multiple registrations.)

### Name of Registrant
- first name, middle name or initial, last name

### Name of Institution
- Medical Specialty

### Mailing Address - select one
- Work/Business  
- Home

### Address - street address
- Phone - include all country and city/area codes along with complete phone number

### City
- State or Province
- ZIP or Postal Code  
- Country

### E-mail Address
- FAX - include all country and city/area codes along with complete phone number

- FAX Location (select)
- Work/Business  
- Home

### SPECIAL NEEDS
If you have special assistance needs or dietary restriction, describe here:

### EUS & Pancreas Courses
- Physician/Scientist $1495
- Activity 1 – Hands-On Animal Lab
- Physician/Scientist $1495
- Activity 2 – In-The-Room EUS/ERCP
- Non-Physician $695

### EUS Course Only
- Physician/Scientist $1295
- Activity 1 – Hands-On Animal Lab
- Physician/Scientist $1295
- Activity 2 – In-The-Room EUS/ERCP
- Non-Physician $545

### Pancreas Course Only
- Physician/Scientist $295
- Non-Physician $225

### Registration Fees
- $_______

### Reception and Course Dinner - Thursday, July 31, 2014 - 7:00 p.m. - Elizabethan Room, Kahler Grand Hotel
- Participant (1 complimentary)  ____ Yes, attending  ____ Not Attending
- Guest Attending ($40 each)  ____ Number of Guests
- Reception Fees  $_______

### Trolley Tour - Friday, August 1 - 6:00-7:30 p.m.  ____ Number Attending
- (Complimentary)

- TOTAL Payment Enclosed  $_______

### EUS Experience Level
- (this will help us with grouping for different activities)
  - Physicians
  - Residents/Fellows
  - Physician Assistants
  - Nurses
  - Nurse Practitioners
  - Medical Students
  - 0-1 year
  - 1-3 years
  - 3-5 years
  - 5+ years

### Payment Information
- *US funds only Wire transfers will be assessed a $25 USD fee.*

- Check is enclosed in the amount shown at right - make checks payable to Mayo Clinic

- Credit Card - select one
  - Discover  
  - MasterCard  
  - Visa

- Account Number
- Exp Date - mo/yr

- Name of Cardholder - as appears on the card
- Signature of Cardholder - required

Contact/Questions
- Michael J. Levy, M.D.
- 507-266-6931  
- levy.michael@mayo.edu
SPECIAL ONE-DAY COURSE!

Principles and Pearls in Pancreatology

July 30, 2014

Course Directors:
Bret T. Petersen, M.D. & Suresh T. Chari, M.D.

http://www.mayo.edu/cme/gastroenterology-2014r365