Mayo Clinic Division of Cardiovascular Diseases

Electrophysiology Review for Boards and Recertification

August 14-16, 2015
Marriott Hotel, Rochester, MN

REGISTER ONLINE TODAY!
celinks.mayo.edu/epbr2015
COURSE DESCRIPTION
Electrophysiology Review for Boards and Recertification will provide the cardiologist and electrophysiologist with an overview of all aspects of cardiovascular electrophysiology. Experts in each field will give in-depth didactics on state-of-the-art subjects in electrophysiology and device therapy. Each lecture will include questions and answers with an electronic response system. Although this course is designed specifically to prepare the electrophysiologist specialist for the electrophysiology boards or recertification, it will also provide the cardiologist or practicing electrophysiologist with an update on the latest knowledge and advances in electrophysiology. The full spectrum of electrophysiology practice will be reviewed, ranging from basic arrhythmia mechanisms and pharmacology, to catheter diagnosis and therapy, and device-based treatments. There will also be special sessions reviewing maneuvers for arrhythmia diagnosis in the electrophysiology laboratory and ablation of atrial fibrillation.

WHAT SETS OUR COURSE APART FROM OTHERS
Mayo Clinic Division of Cardiovascular Diseases has worked hard to set this meeting apart from other review courses. The schedule includes numerous case-based sessions, critical for board examinations and practice. This course will also include a practice exam using an ABIM Electrophysiology Module. Special session topics will include: anatomy for the electrophysiologist, avoiding ablation complications, and advanced mapping system review.

NEW THIS YEAR: For the first time ever, this course will provide a Mayo-created online board examination style mock test that will assess your knowledge before and after the course. Our online educational tools will specifically identify areas for you to study and create an individualized program that will pull unique course materials based on your baseline self-assessment test. These tools were developed with expert educationalists.

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

- Interpret intracardiac and electrocardiographic presentations of common arrhythmias, including: AVNRT, WPW dependent tachycardias, atrial and ventricular tachycardias, and atrial fibrillation
- Analyze key multicenter trials addressing optimal management of patients with cardiac arrest, those at risk for ventricular arrhythmias, WPW, and atrial fibrillation
- Explain the arrhythmia syndromes associated with channelopathies and their ECG/phenotypes
- Review cardiac anatomy and how it facilitates arrhythmogenesis
- Identify ECG/EGM features of various types of atrial flutters, VT in the normal heart, and atypical accessory tracts like Mahaim and fasciculoventricular fibers
- Review the basic electrophysiology of ion channels, gap junctions, and anisotropic conduction and their relationships
- Identify the mechanism of action and indications for antiarrhythmic drugs
- Analyze normal and abnormal function of pacemakers and ICDs and their troubleshooting

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.

INTENDED AUDIENCE
This course is intended for cardiologists, electrophysiologists, cardiovascular fellows, electrophysiology fellows, and all practitioners involved in the care of complex arrhythmia patients in the outpatient and laboratory settings.
Mayo Clinic College of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

General Session: Mayo Clinic College of Medicine designates this live activity for a maximum of 27 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Live Cases: Mayo Clinic College of Medicine designates this live activity for a maximum of 7 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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

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.

SCHOLARSHIP PROGRAM
Electrophysiology Review for Boards and Recertification offers scholarships to individuals in training who excel. The scholarship includes course registration, and a copy of the 2014 course on DVD. Visit celinks.mayo.edu/epbr2015 for requirements and to obtain an application.

LODGING ACCOMMODATIONS
Guest rooms have been reserved for attendees and their guests with special course rates at each of the following downtown Rochester hotels. In order to receive the special rate, reservations must be made before the room block is filled or before the expiration date of July 28, 2015, whichever comes first. Reservations will be taken following this date based on space and rate availability. Please identify yourself as a participant of the Electrophysiology Board Review when making your reservation.

Kahler Grand Hotel
20 Second Avenue SW
800-533-1655 or 507-280-6200
$109 Deluxe New Studio double/king

Rochester Marriott Hotel
101 First Avenue SW
877-623-7775 or 507-280-6000
$155 single/double

The hotels listed above are connected by skyway and pedestrian subway to conference facilities, downtown shops, and restaurants. You may wish to visit the Rochester Convention and Visitors Bureau website (www.rochestercvb.org) and/or www.rochester411.com for additional accommodation options and area information.

Lodging arrangements are the sole responsibility of the individual registrant. Mayo Cardiovascular CME 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.
FRIDAY, AUGUST 14, 2015

7:00 a.m.  Registration and Continental Breakfast  
Marriott Ballroom

7:30 a.m.  Welcome and Introduction  
Thomas M. Munger, M.D.

7:45 a.m.  Understanding Basic Arrhythmogenesis  
William G. Stevenson, M.D.

8:45 a.m.  AF Ablation Cases: PV Potentials and Maneuvers  
Douglas L. Packer, M.D.

9:45 a.m.  Refreshment Break

10:00 a.m.  The Congenital Long QT Syndromes  
Michael J. Ackerman, M.D., Ph.D.

10:45 a.m.  The Other Cardiac Channelopathies  
Michael J. Ackerman, M.D., Ph.D.

11:30 a.m.  Lunch

11:45 a.m.  Clinical EP Basics: Electrogram Recording, Mapping, and Ablation Biophysics  
John M. Miller, M.D.

12:15 p.m.  SVT I: Accessory Pathway-Related Tachycardias  
Samuel J. Asirvatham, M.D.

1:15 p.m.  Refreshment Break

1:45 p.m.  AVNRT  
Samuel J. Asirvatham, M.D.

2:45 p.m.  Workshop: SVT Cases in the EP Lab: When Maneuvers Can Help  
Samuel J. Asirvatham, M.D.

3:45 p.m.  Refreshment Break

4:00 p.m.  AT and Atrial Flutter: Mapping and Ablation  
William G. Stevenson, M.D.

5:00 p.m.  AF and AFL Cases  
Yong-Mei Cha, M.D. and Malini Madhavan, MBBS

6:00 p.m.  Dinner

6:15 p.m.  Working Dinner: Pharmacokinetics, Dynamics and Clinical EP of Antiarrhythmic Drugs  
Hon-Chi Lee, M.D.

7:00 p.m.  Day Adjourns
SATURDAY, AUGUST 15, 2015

7:00 a.m.  Continental Breakfast

7:30 a.m.  Entrainment and Catheter Ablation of VT in Structural Heart Disease
   William G. Stevenson, M.D.

8:30 a.m.  VT Workshop of Unknown Cases
   John M. Miller, M.D.

9:30 a.m.  VT Syndromes – ARVD, Outflow Tract, BBR, ILV-VT
   Paul A. Friedman, M.D.

10:30 a.m. Refreshment Break

11:00 a.m. Special Circumstances (Congenital, Pregnancy, Transplant, LVAD, Athletes, HCM and Sarcoid)
   Christopher J. McLeod, M.B., Ch.B., Ph.D.

11:30 a.m. Pacemaker Basics
   Raul E. Espinosa, M.D.

12:30 p.m. Lunch

12:45 p.m. Working Lunch: SVT Unknown Cases
   Siva K. Mulpuru, M.D. and John M. Miller, M.D.

1:45 p.m.  Principles of ICD and CRT
   Siva K. Mulpuru, M.D.

2:15 p.m.  Refreshment Break

2:45 p.m.  Pacemaker/CRT Troubleshooting
   Paul A. Friedman, M.D.

3:45 p.m.  Device Workshop I
   David J. Bradley, M.D., Ph.D. and Paul A. Friedman, M.D.

4:45 p.m.  Device Workshop II
   Siva K. Mulpuru, M.D. and Yong-Mei Cha, M.D.

5:45 p.m.  Dinner

6:00 p.m.  Working Dinner: Non-Ablative Therapy for Atrial Fibrillation
   Christopher J. McLeod, M.B., Ch.B., Ph.D.

6:45 p.m.  ABIM Module – 2015 Update in Clinical Cardiac Electrophysiology
   Drs. Friedman, Lee, Munger, and Shen

8:45 p.m.  Day Adjourns

SUNDAY, AUGUST 16, 2015

7:15 a.m.  Continental Breakfast

7:30 a.m.  EP Jeopardy
   Thomas M. Munger, M.D.

8:00 a.m.  Applying the Basics Workshop: Basic Electrophysiology
   Hon-Chi Lee, M.D.
SUNDAY, AUGUST 16, 2015 - CONTINUED

9:00 a.m.  Syncope  
  K. L. Venkatashalam, M.D.

10:00 a.m.  Refreshment Break

10:30 a.m.  Ablation Complications: How to Avoid  
  Thomas M. Munger, M.D.

11:15 a.m.  Lunch

11:30 a.m.  Working Lunch: ABIM Module – 2014 Update in Clinical Cardiac Electrophysiology  
  Drs. Friedman, Lee, Munger, and Shen

1:30 p.m.  Course Adjourns

MONDAY, AUGUST 17-LIVE CASES AND ANIMAL LAB (OPTIONAL)

8 a.m.- 4 p.m.  Look online for details!  
  This live-course day will feature hands-on Epicardial access and Septal Puncture practice.

FACULTY

Course Directors
  Paul A. Friedman, M.D.
  Thomas M. Munger, M.D.
  Christopher J. McLeod, M.B., Ch.B., Ph.D.

Mayo Faculty
  Michael J. Ackerman, M.D., Ph.D.
  Samuel J. Asirvatham, M.D.
  David J. Bradley, M.D., Ph.D.
  Yong-Mei Cha, M.D.
  Raul E. Espinosa, M.D.
  Hon-Chi Lee, M.D., Ph.D.
  Malini Madhavan, MBBS
  Siva K. Mulpuru, M.D.
  Douglas L. Packer, M.D.
  Win-Kuang Shen, M.D.
  K. L. Venkatashalam, M.D.

Guest Faculty
  John M. Miller, M.D.
  Clinical Cardiologist, Indiana University Health
  Indianapolis, IN

  William G. Stevenson, M.D.
  Director, Cardiac Arrhythmia Program, Brigham and Women's Hospital
  Professor of Medicine, Harvard Medical School
  Boston, MA

FACULTY DISCLOSURE

As a provider accredited by ACCME, Mayo Clinic College of Medicine (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).
REGISTRATION

Registration is Available Online at: celinks.mayo.edu/epbr2015

Registration Fee:
- MD, PhD, DO, PharmD: $900.00
- Resident, Fellow, NP, PA, RN: $700.00
- Live Cases and Animal Lab: $375.00

Mayo Clinic Cardiovascular CME has implemented an online conference registration system. If this is your first time using the online system, you will need to create a profile and login account.

The system will guide you through the profile and login process. An e-mail address is required upon registration. A letter of confirmation will be forwarded to this address upon receipt of payment and submitted registration. Present this letter of confirmation when checking in at the meeting registration desk.

The registration fee includes tuition, electronic course syllabus, continental breakfasts, lunches, and breaks refreshments. Although it is not Mayo Clinic Cardiovascular CME 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.

For additional information contact:
Cardiovascular Continuing Education
200 First Street SW - Gonda 6-472
Rochester, MN 55905

Website: celinks.mayo.edu/epbr2015
E-mail: cvcme@mayo.edu
Phone: 800-283-6296

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 Cardiovascular CME before July 31, 2015 (email: cvcme@mayo.edu). No refunds will be made on or after July 31, 2015. Canceled registrations are non-transferable.

Mayo Cardiovascular CME reserves the right to cancel or postpone any course due to unforeseen circumstances. In the unlikely event Mayo Cardiovascular CME must cancel or postpone this course, Mayo Cardiovascular CME 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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If you already received a copy of this brochure, please give this brochure to an interested colleague.