### 2019 Cardiovascular Update Conference

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>7:30 to 8:15 a.m.</td>
<td>Registration/Continental Breakfast</td>
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<tr>
<td>8:15 to 8:20 a.m.</td>
<td><strong>Introduction</strong>&lt;br&gt;Richard Petrella, MD, FACC, FACP, FSCAI</td>
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<td>8:20 to 8:50 a.m.</td>
<td><strong>Minimally Invasive Valve Surgery</strong>&lt;br&gt;Francis Ferdinand, MD</td>
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<td>8:50 to 9:20 a.m.</td>
<td><strong>Coronary Artery Disease in Women</strong>&lt;br&gt;Erin Mattocks, DO</td>
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<td>9:20 to 10:05 a.m.</td>
<td><strong>Breakout Sessions</strong>&lt;br&gt;Option 1 — Back to the Basics: Understanding Temporary Pacemakers&lt;br&gt;Laura Schmalzried, BSN, RN, CCRN</td>
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<tr>
<td>9:20 to 10:05 a.m.</td>
<td>Option 2 — Cryptogenic Stroke ... A New Treatment?&lt;br&gt;Robert Maholic, DO, FACC, FSVM and Trevor Phinney, DO</td>
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<td>10:05 to 10:20 a.m.</td>
<td>Refreshment Break</td>
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<td>10:20 to 10:40 a.m.</td>
<td><strong>Lymphedema — Oh, My Swollen Leg!</strong>&lt;br&gt;G. Jay Bishop, MD, FACP, FSVM, RPVI</td>
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<td>10:40 to 11:10 a.m.</td>
<td><strong>The Essential Need for Medication Reconciliation in Cardiovascular Care</strong>&lt;br&gt;Sarah Hordusky, PharmD</td>
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<tr>
<td>11:10 to 11:30 a.m.</td>
<td>Q&amp;A Session&lt;br&gt;Faculty Panel</td>
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<tr>
<td>11:30 a.m. to 12:15 p.m.</td>
<td>Lunch and Networking</td>
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<tr>
<td>12:15 to 1:05 p.m.</td>
<td><strong>Interesting Cases — Are You Awake?</strong>&lt;br&gt;Faculty Panel</td>
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<tr>
<td>1:05 to 2:05 p.m.</td>
<td><strong>Keynote</strong>&lt;br&gt;Cardiac Arrest in 2019 — Can We Make a Difference?&lt;br&gt;James Horowitz, MD</td>
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<td>2:05 to 2:20 p.m.</td>
<td>Refreshment Break</td>
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<tr>
<td>2:20 to 2:40 p.m.</td>
<td><strong>SCAD — Spontaneous Coronary Artery Dissection</strong>&lt;br&gt;Quentin Orlando, DO, FACC, FSCAI</td>
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<td>2:40 to 3:10 p.m.</td>
<td><strong>Aortic Stenosis: From Murmurs to TAVR</strong>&lt;br&gt;Eric Dueweke, MD, FACC</td>
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<td>3:10 to 3:30 p.m.</td>
<td><strong>Atrial Fibrillation — The Basics</strong>&lt;br&gt;Jonathon Wertz, MD</td>
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<td>3:30 to 3:50 p.m.</td>
<td>Q&amp;A Session&lt;br&gt;Faculty Panel</td>
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<td>3:50 p.m.</td>
<td>Closing Remarks and Adjournment</td>
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GOAL
Join your colleagues and gain the latest updates and practice guidelines in cardiovascular care! This full-day symposium offers a comprehensive review of new diagnostic techniques and therapeutic treatments, the latest clinical trials, and state-of-the-art technology in contemporary cardiovascular medicine using concise didactic presentations, combined with a panel discussion and case presentations. Electronic handouts will be made available to conference attendees.

Following this course, the participant should be able to formulate a practical approach to common cardiovascular disorders; identify the appropriate tests that can be used to determine the severity of the patient problem and make an accurate diagnosis; discuss the various treatment options available; and recognize how to treat and when to refer cardiac patients. This activity is expected to result in increased confidence in making a diagnosis and providing effective treatment, referral, and follow-up care with the overall goal of improving patient outcomes.

TARGET AUDIENCE
Family physicians, internists, cardiologists, cardiovascular thoracic surgeons, advanced practice providers, nurses, allied health professionals, and other health care professionals who treat and care for patients with heart disease will benefit from attending this educational activity.

OBJECTIVES
At the conclusion of this activity, the participant should be able to:
• Identify differences and outcomes in minimally invasive cardiac valve surgery
• Describe differences in men and women related to the presentation of coronary artery disease
• Discuss the concepts of stimulation and sensitivity and how to make adjustments on the temporary pacemaker
• Review pacing errors of undersensing, oversensing, and failure to capture on the ECG strip and how to correct these errors on the temporary pacemaker
• Discuss the evaluation and treatment of cryptogenic stroke in 2019
• Identify current therapies available for lymphedema
• Discuss the importance of medication reconciliation in cardiovascular care
• Describe the impact that insurance formularies have on your patient’s treatment
• Review interesting cases and cutting-edge treatments in cardiovascular medicine
• Analyze the current data and treatment strategies on hypertrophic cardiomyopathy (HCM)
• Describe the presentation, identification, and treatment strategies for spontaneous coronary artery dissection (SCAD)
• Discuss the natural history and treatment paradigms of aortic stenosis
• Review the evaluation and treatment of new onset atrial fibrillation in an office-based setting

"Great program — very interesting, informative topics."

JOIN OUR EMAIL LIST: To receive links to electronic brochures in the future and join our email list, please be sure to provide your email address on the registration form. Your email address will not be sold or used for any purpose other than to inform you about CME opportunities at UPMC Hamot.
AMA ACCREDITATION
The University of Pittsburgh School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

AMA DESIGNATION
The University of Pittsburgh designates this live activity for a maximum of 6.25 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 are awarded 0.6 continuing education units (CEUs), which are equal to 6.0 contact hours.

AOA ACCREDITATION
The Philadelphia College of Osteopathic Medicine is accredited by the American Osteopathic Association to provide osteopathic continuing medical education for physicians. The Philadelphia College of Osteopathic Medicine designates this program for a maximum of six and a quarter hours of AOA Category 1-A credits and will report CME and specialty credits commensurate with the extent of the physician’s participation in this activity.

AAPA ACCREDITATION
UPMC has been authorized by the American Academy of PAs (AAPA) to designate AAPA Category 1 credits for activities designed primarily for its own learners and other learners within its network.

AAPA DESIGNATION
This activity is approved for 6.25 AAPA Category 1 credits. PAs should only claim credit commensurate with the extent of their participation.

ANCC ACCREDITATION
UPMC Provider Unit is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center’s Commission on Accreditation.

ANCC CONTACT HOURS
A maximum of 6.25 nursing contact hours will be awarded. Participants will be able to claim credit commensurate with the extent of their participation in the program. Accreditation refers to recognition of continuing nursing education activities only and does not imply UPMC or Commission on Accreditation approval or endorsement of any commercial product.

AMERICAN SOCIETY OF RADIOLOGIC TECHNOLOGISTS CREDIT
ASRT Credit is pending approval.

DISCLOSURE
Faculty for this activity have been required to disclose all relationships with any proprietary entity producing health care goods or services, with the exemption of nonprofit or government organizations and non-health-care-related companies.

CANCELLATION POLICY
Tuition for cancellations postmarked or date stamped on or before April 22, will be completely refunded. After April 22, a $30 administration fee will be assessed. No refunds will be made after May 6. However, substitutes are welcome. Please notify UPMC Hamot’s CME Department of substitutions and cancellations, via email to ham_cme@upmc.edu or by phone at 814-877-4011, or via USPS mail to: UPMC Hamot CME Department, 201 State St., Erie, PA 16550.
COURSE DIRECTORS

Robert Maholic, DO, FACC, FSVM
Department of CV Medicine and Surgery
UPMC Hamot

Quentin Orlando, DO, FACC, FSCAI
Department of CV Medicine and Surgery
UPMC Hamot

KEYNOTE SPEAKER

James Horowitz, MD*
Clinical Assistant Professor, Cardiologist
NYU Langone Health

UPMC HAMOT PLANNING COMMITTEE

Tina Gregory
Ashley Mayes
Debbie Morton, BSN, RN-BC
Margaret Pett

LOCATION

The conference is being held at the Bayfront Convention Center, overlooking the bay, at 1 Sassafras Pier, Erie, Pa.

ATTIRE

Attire for the conference is business casual. Since meeting room temperatures and personal comfort levels vary, it is recommended that you bring a sweater or jacket to the conference.

SPECIAL NEEDS

Advance notification of any special needs (i.e., gluten-free or vegan meal, private room for nursing mothers, handicap accessibility) will help us provide better service. Please notify us of your needs at least two weeks in advance of the program by calling UPMC Hamot’s CME office at 814-877-4011.

UPMC FACULTY

Eric Dueweke, MD, FACC*
UPMC Heart and Vascular Institute
University of Pittsburgh Physicians

Joon Sup Lee, MD
Chief, Division of Cardiology
University of Pittsburgh School of Medicine

UPMC HAMOT FACULTY

Division of Cardiology
Patrick Bannon, MD, FACC
G. Jay Bishop, MD, FACP, FSVM, RPVI*
Paul Demjanenko, MD, FACC
Charles Furr, MD, FACC
Kelly Hayes, MD, PhD
Randy Jeffrey, MD
Gurjaipal Kang, MD, FACC, FACP, FSCAI
Robert Maholic, DO, FACC, FSVM*
Erin Mattocks, DO*
Jean Moubarak, MD, FACC
Quentin Orlando, DO, FACC, FSCAI*
Erica Penny-Perterson, MD
Richard Petrella, MD, FACC, FACP, FSCAI*
Bryan Schwartz, MD
Madhurmeet Singh, DO
David Strasser, MD, FACC, FASE, FACP
Timothy Trageser, MD, FACC
Jonathon Wertz, MD*

Division of CVT Surgery
Michael Butler, MD, FACS
Francis Ferdinand, MD*
Leo Fitzgibbon, MD, FACS
Paul Lajos, MD
Walter Rizzoni, MD, FACS
Manisha Shende, MD, FACS

Division of Pulmonology
Mario Kinsella, MD, FACC, FAASM
Stephen Kovacs, DO, FACC
Christopher Lau, MD

Division of Neurology
Trevor Phinney, DO*

UPMC Hamot Nursing
Laura Schmalzried, BSN, RN, CCRN*

UPMC Hamot Pharmacy
Sarah Hordusky, PharmD*

*Speakers
REGISTRATION
The registration fee includes the seminar, electronic educational materials, continental breakfast, refreshment breaks, and lunch. If you have any questions, please contact the UPMC Hamot CME Office at 814-877-4011.

On Time Fees:
Physicians ......................................................... $120
Advanced Practice Providers ......................... $75
Nurses/Others ..................................................... $60
Resident Physicians/Students ....................... $30

After April 22, Registration Fees:
Physicians ........................................................ $140
Advanced Practice Providers ......................... $95
Nurses/Others ..................................................... $80
Resident Physicians/Students ....................... $50

ONLINE REGISTRATION: Registering online is the easiest way to reserve your space at UPMC Hamot conferences. Visit our online registration site at https://ccehs.upmc.com. Click the link for Upcoming Events and scroll down to the "UPMC Hamot 2019 Cardiovascular Update Conference" section on the web page. Click the registration button and enter all the requested information. After registering, an electronic confirmation will be sent to you. Online registration is complete upon receipt of a confirmation email. If you do not receive this letter within 5–7 days of registration, please contact the UPMC Hamot CME Department at 814-877-4011.

To assure participation, registration and payment are expected by May 6, 2019.

UPMC Hamot reserves the right to cancel this program if sufficient registrations are not received. In the case of cancellation, registration fees will be fully refunded. Pre-registants will be informed of the cancellation via email, or phone if no email address is given.

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<tr>
<th>Date of Payment</th>
<th>Physicians</th>
<th>Advanced Practice Providers</th>
<th>Nurses/Other</th>
<th>Resident Physicians/Students</th>
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<tr>
<td>Before or on April 22</td>
<td>$120</td>
<td>$75</td>
<td>$60</td>
<td>$30</td>
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<tr>
<td>After April 22</td>
<td>$140</td>
<td>$95</td>
<td>$80</td>
<td>$50</td>
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**Breakout Session** (choose one)
- Temporary Pacemakers
- Cryptogenic Stroke

**Buffet Lunch Substitution**
- Check this box if you would like a vegan meal.
- Check this box if you would like a gluten-free meal.

**CHECK PAYMENT OPTIONS**
- You can either mail this card with payment or fax this card and mail payment later with a copy of this completed form.
- My payment is enclosed.
- My payment will be mailed separately.

**CREDIT CARD PAYMENT**
*Please mail or fax this completed form.*
- I authorize the following credit card payment:
  - Visa
  - MasterCard
  - American Express
  - Discover

Card Number: ____________________________
Expiration Date (Month/Year): ____________
Signature: ____________________________

**UPMC Employee Payment via Journal Entry Transfer**
If you are a UPMC employee and your department will be responsible for payment, we can charge your department directly. DO NOT SUBMIT a disbursement to UPMC Accounts Payable. Complete the following:

Business Unit: ____________________________
Account Number: ____________________________
Department ID Number: ____________________________
Name of Dept. Manager/Director: ____________________________
Authorized Dept. Signature: ____________________________

Return completed form via mail to: UPMC Hamot, CME Department 201 State Street, Erie, PA 16550
Or via fax to: Attn: CME Department 814-877-4010