6th Annual
Advances in Cardiovascular Imaging and Interventions


EDUCATIONAL SESSIONS
REVIEWING TOPICS AS:
Insights to Cardiovascular Risk Stratification
Advances in Structural Heart Disease
Advances in Cardiovascular Surgery
Advances in Cardiac Imaging
Multimodality Imaging
Novel Cardiovascular Technologies

OPENING RECEPTION AND KEYNOTE DINNER PRESENTATION
WITH
Roberto M. Lang, M.D.
Professor of Medicine and Radiology
Past President of the American Society of Echocardiography
Director Noninvasive Cardiac Imaging Laboratories
Section of Cardiology Department of Medicine
University of Chicago Medical Center
Chicago, Illinois

Thursday, Sept. 29

Beaumont

COURSE DIRECTOR:
Amr E. Abbas, M.D., FACC, FSCAI, FSVM, FASE, RPVI
Director, Interventional Cardiology Research
Co-Director, Echocardiography at Beaumont
Associate Professor of Internal Medicine
Oakland University William Beaumont (OUWB)
School of Medicine

COURSE FACULTY:
Include nationally renowned experts in the field of cardiovascular medicine
Target Audience

The conference will provide interventional, imaging, and clinical cardiologists, internists, technicians, radiology technicians, sonographers, physician assistants, cardiac nursing personnel, and cardiology fellows with a better understanding of the technical advances, clinical applications, appropriateness and limitations of cardiovascular CT, MRI and Echo imaging along with the diagnosis and planning of existing and novel interventional and surgical therapies.

Objectives

As a result of attending this conference, participants should be able to:

- Discuss dilemmas in the diagnosis of valve disease
- Understand the advances in preventive cardiovascular care
- Discuss new valve guidelines and cardiovascular therapies
- Describe advances in structural heart disease
- Identify advances in cardiovascular surgery
- Discuss 3D and multimodality imaging

Hands-on Learning Sessions

Attendees will have the opportunity to gain hands-on training during three sessions. These sessions will combine presentations by a clinical or technical expert on a specific topic with a tutorial that leads you through procedures with a particular device, piece of equipment or workstation. Don’t miss this session to sample new technology and interventions and review basic cardiac anatomy on heart specimens.

CME Accreditation and Credit Designation

William Beaumont Hospital is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

William Beaumont Hospital designates this live activity for a maximum of 15.5 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Non-physician professionals should check with their individual credentialing bodies to confirm that participation in this CME activity will be approved for credit. CME credits can be used to meet the continuing education requirements needed for Michigan physician assistant and nursing relicensure without limitation.

Acknowledgement

This conference will be partially supported by educational grants and display fees from commercial supporters.

Opening Keynote Presentation, Reception and Dinner

Roberto M. Lang, M.D.
Professor of Medicine and Radiology
Past President of the American Society of Echocardiography
Director Noninvasive Cardiac Imaging Laboratories Section
Cardiology Department of Medicine University of Chicago
Medical Center
Chicago, Illinois
### Schedule of Events

**Thursday, September 29**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:00 p.m. – 8:00 p.m.</td>
<td>Keynote Speaker &amp; Dinner Program</td>
<td>Roberto Lang, M.D.</td>
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<tr>
<td></td>
<td>Dinner Lecture</td>
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<tr>
<td></td>
<td>3D Echocardiography Has Come of Age: Promises and Perspectives</td>
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**Friday, September 30**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Moderator(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:15 a.m.</td>
<td>Registration/Continental Breakfast/Exhibits</td>
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</tr>
<tr>
<td>8:00 a.m. – 10:30 a.m.</td>
<td>Session 1: Advances In Cardiovascular Imaging</td>
<td>Amr Abbas, M.D.</td>
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<tr>
<td>8:00 a.m. – 8:10 a.m.</td>
<td>Welcome &amp; Introduction</td>
<td>Amr Abbas, M.D.</td>
</tr>
<tr>
<td>8:10 a.m. – 8:35 a.m.</td>
<td>CT FFR, CT Perfusion, and CTA: More of the Same? or Something More?</td>
<td>Gilbert Raff, M.D.</td>
</tr>
<tr>
<td>8:35 a.m. – 9:00 a.m.</td>
<td>That Apex Looks Funny! Multimodality Imaging of Apical Abnormalities.</td>
<td>Michael Gallagher, M.D.</td>
</tr>
<tr>
<td>9:00 a.m. – 9:25 a.m.</td>
<td>Echocardiographic Assumptions and Fallacies</td>
<td>Karthik Ananth M.D.</td>
</tr>
<tr>
<td>9:25 a.m. – 9:50 a.m.</td>
<td>Diastolic Dysfunction: The New Guidelines</td>
<td>Steve Lester, M.D.</td>
</tr>
<tr>
<td>9:50 a.m. – 10:15 a.m.</td>
<td>Multimodality Imaging for Aortic Stenosis</td>
<td>Philippe Pibarot, DVM, Ph.D</td>
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<tr>
<td>10:15 a.m. – 10:30 a.m.</td>
<td>Q&amp;A</td>
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<tr>
<td>10:30 a.m. – 11:00 a.m.</td>
<td>Break/Exhibits</td>
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<tr>
<td>11:00 a.m. – 12:30 p.m.</td>
<td>Session 2: Hands-on Break out Session</td>
<td>Julian Barbat, M.D, Elvis Cami M.D.</td>
</tr>
<tr>
<td>11:30 a.m. – 12:30 p.m.</td>
<td>Imaging for TAVR/MitraClip: How to Session</td>
<td>Michael Gallagher, M.D.</td>
</tr>
<tr>
<td>12:30 p.m. – 1:15 p.m.</td>
<td>Lunch</td>
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<tr>
<td>1:15 p.m. – 3:10 p.m.</td>
<td>Session 3: Heart I</td>
<td>Roberto Lang, M.D.</td>
</tr>
<tr>
<td>1:15 p.m. – 1:40 p.m.</td>
<td>Valvular Heart Disease: 3D Picture</td>
<td>Roberto Lang, M.D.</td>
</tr>
<tr>
<td>1:40 p.m. – 2:05 p.m.</td>
<td>Echocardiography or Catheterization for Aortic Stenosis</td>
<td>Amr Abbas, M.D.</td>
</tr>
<tr>
<td>2:05 p.m. – 2:30 p.m.</td>
<td>Low flow and prognostic implications following SAVR and TAVR</td>
<td>Philippe Pibarot, DVM, Ph.D</td>
</tr>
<tr>
<td>2:30 p.m. – 2:55 p.m.</td>
<td>Repair versus Replacement for the Mitral Valve</td>
<td>Frank Shannon, M.D.</td>
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<tr>
<td>2:55 p.m. – 3:10 p.m.</td>
<td>Q&amp;A</td>
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<tr>
<td>3:10 p.m. – 3:30 p.m.</td>
<td>Break/Exhibits</td>
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<tr>
<td>3:30 p.m. – 5:30 p.m.</td>
<td>Session 4: Heart II</td>
<td>George Hanzel, M.D.</td>
</tr>
<tr>
<td>3:30 p.m. – 3:55 p.m.</td>
<td>Non-Valvular Cardiac Pathology: 3D Picture</td>
<td>Roberto Lang, M.D.</td>
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<tr>
<td>3:55 p.m. – 4:20 p.m.</td>
<td>SAVR Remains the Gold Standard, TAVR a Distant Second!</td>
<td>George Hanzel, M.D.</td>
</tr>
<tr>
<td>4:20 p.m. – 4:45 p.m.</td>
<td>TAVR is the Wave of the Future, the Only Way to Go!</td>
<td>Frank Shannon, M.D.</td>
</tr>
<tr>
<td>4:45 p.m. – 5:10 p.m.</td>
<td>MRI for Valvular Heart Disease</td>
<td>Michael Gallagher, M.D.</td>
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<tr>
<td>5:10 p.m. – 5:30 p.m.</td>
<td>Q&amp;A</td>
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**Saturday, October 1**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:15 a.m.</td>
<td>Registration/Continental Breakfast/Exhibits</td>
<td>Barry Franklin, Ph.D</td>
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<tr>
<td>8:00 a.m. – 10:30 a.m.</td>
<td>Session 5: Prevention</td>
<td></td>
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<tr>
<td>8:00 a.m. – 8:10 a.m.</td>
<td>Welcome &amp; Introduction</td>
<td>Amr Abbas, M.D.</td>
</tr>
<tr>
<td>8:10 a.m. – 8:35 a.m.</td>
<td>Exercise Echocardiography: More than Just Ischemia</td>
<td>Steve Lester, M.D.</td>
</tr>
<tr>
<td>8:35 a.m. – 9:00 a.m.</td>
<td>Lifestyle Modification and Medications in Combating Cardiovascular Disease: Better Together</td>
<td>Barry Franklin, Ph.D</td>
</tr>
<tr>
<td>9:00 a.m. – 9:25 a.m.</td>
<td>Cardiovascular Primary Risk Assessment: All You Need is Tests</td>
<td>Steve Lester, M.D.</td>
</tr>
<tr>
<td>9:25 a.m. – 9:50 a.m.</td>
<td>Spirituality, Meditation and the Heart: All You Need is Love</td>
<td>Kavitha Chinnaiyan, M.D.</td>
</tr>
<tr>
<td>9:50 a.m. – 10:15 a.m.</td>
<td>Q&amp;A</td>
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</tr>
<tr>
<td>10:15 a.m. – 10:30 a.m.</td>
<td>Break/Exhibits</td>
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</table>
### Schedule of Events

**Saturday, October 1 (continued)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session: Novel Technologies</th>
<th>Moderator</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:30 a.m. – 1:00 p.m.</td>
<td>Session 6: Novel Technologies</td>
<td>Nathan Kerner, M.D.</td>
</tr>
<tr>
<td>10:30 a.m. – 10:55 a.m.</td>
<td>Percutaneous Mitral Valve Replacement: Are We There Yet?</td>
<td>George Hanzel, M.D.</td>
</tr>
<tr>
<td>10:55 a.m. – 11:20 a.m.</td>
<td>Novel Stent Technologies</td>
<td>Amr Abbas, M.D.</td>
</tr>
<tr>
<td>11:20 a.m. – 11:45 p.m.</td>
<td>Novel Therapies for Left Atrial Appendage Occlusion</td>
<td>Steve Almany, M.D.</td>
</tr>
<tr>
<td>11:45 p.m. – 12:10 p.m.</td>
<td>Statins for All? All You Need is Drugs</td>
<td>Steve Timmis, M.D.</td>
</tr>
<tr>
<td>12:10 p.m. – 12:35 p.m.</td>
<td>Echocardiographic Cardio-Oncology: Ready for Prime Time?</td>
<td>Nate Kerner, M.D.</td>
</tr>
<tr>
<td>12:35 p.m. – 1:00 p.m.</td>
<td>Q&amp;A and Conclusion</td>
<td></td>
</tr>
</tbody>
</table>

### Faculty

**Course Director**

Amr E. Abbas, M.D., FACC, FSCAI, FSVM, FASE, RPVI  
Director, Interventional Cardiology Research  
Co-Director, Echocardiography  
Beaumont Health  
Associate Professor of Medicine  
Oakland University William Beaumont (OUWB) School of Medicine

**Course Co-Directors**

Michael J. Gallagher, M.D.  
Director, Advanced Cardiac Imaging  
Director, Clinical Cardiology Fellowship Program  
Associate Professor of Medicine  
OUWB School of Medicine  

George S. Hanzel, M.D.  
Director, Cardiac Catheterization Laboratory  
Director, Valvular & Congenital Heart Disease  
Associate Professor of Medicine  
OUWB School of Medicine

**Guest Faculty**

Karthik Ananth, M.D.  
Director, Nuclear Cardiology and Echocardiography Laboratory  
Henry Ford Hospital  
Associate Professor of Medicine  
Wayne State University  
Detroit, MI

Roberto M. Lang, M.D.  
Professor of Medicine and Radiology  
Past President of the American Society of Echocardiography  
Director Noninvasive Cardiac Imaging Laboratories Section of Cardiology Department of Medicine  
University of Chicago Medical Center  
Chicago, Illinois

Steven J. Lester, M.D.  
Associate Professor of Medicine  
Consultant Cardiovascular Diseases  
Associate Chair of Medicine  
Chair of Innovation and Entrepreneurship  
Mayo Clinic  
Scottsdale, Arizona

Philippe Pibarot, DVM, Ph.D.  
Professor, Department of Medicine  
Laval University  
Quebec, QC, Canada  
Chair, Canada Research Chair in Valvular Heart Diseases

**Beaumont Faculty**

Steven L. Almany, M.D.  
Director, Cardiac Catheterization Laboratory  
Associate Professor of Medicine  
OUWB School of Medicine  

Julian Barbar, M.D.  
Cardiology Fellow  

Elvis Cami, M.D.  
Cardiology Fellow  

Kavitha M. Chinnaian, M.D.  
Director, Cardiovascular Imaging Education  
Associate Professor of Medicine  
OUWB School of Medicine

Barry A. Franklin, Ph.D.  
Director, Preventive Cardiology and Rehabilitation  
Professor of Medicine  
OUWB School of Medicine

Ralph Gentry RT(R)(MR)(CT)  
Cardiovascular Applications Specialist

Nathan J. Kerner, M.D.  
Co-Director, Echocardiography Laboratory  
Assistant Professor of Medicine  
OUWB School of Medicine

Gilbert L. Raff, M.D.  
Director, Advanced Cardiovascular Imaging  
Professor of Medicine  
OUWB School of Medicine

Francis L. Shannon, M.D.  
Director, Cardiovascular Research and Quality Assurance  
Associate Professor of Surgery  
OUWB School of Medicine

Steven B.H. Timmis, M.D.  
Director, Coronary Cardiac Unit  
Assistant Professor of Medicine  
OUWB School of Medicine

**Disclosure**

All planning committee members and speakers have been asked to disclose any relevant relationships they may have with commercial companies within the past 12 months that are relevant to their presentation. The presence or absence of relationships as well as off-label discussion of products will be disclosed at the time of the conference.
Register Today!

Register online until September 28, 2016. After 09/28/16, you may register on-site at the Beaumont Health registration desk located outside the ballroom of the Troy Marriott.

Fees

<table>
<thead>
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<th></th>
<th>On/Before 9/16</th>
<th>After 9/17 and On-site</th>
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</thead>
<tbody>
<tr>
<td>Attending physician</td>
<td>$350</td>
<td>$400</td>
</tr>
<tr>
<td>NP, PA-C</td>
<td>$250</td>
<td>$300</td>
</tr>
<tr>
<td>Technicians, Sonographers, Nurses</td>
<td>$195</td>
<td>$225</td>
</tr>
<tr>
<td>Resident, Students (Students Must Show College ID)</td>
<td>$125</td>
<td>$150</td>
</tr>
<tr>
<td>Opening Reception &amp; Keynote Dinner ONLY (Thursday, September 29)</td>
<td>$100</td>
<td>$150</td>
</tr>
<tr>
<td>One-day Registration (Friday, September 30)</td>
<td>$150</td>
<td>$150</td>
</tr>
<tr>
<td>One-day Registration (Saturday, October 1)</td>
<td>$100</td>
<td>$100</td>
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</table>

Conference registration fees include access to presentations, all food and beverage events and CME credit.

Cancellation Policy

By registering for the conference, you are indicating you have read and accept the following cancellation terms. To be valid, Beaumont Health must receive notification of your cancellation in writing. Cancellations received on or before September 5th will be refunded less a $50 administrative charge. Beginning September 6th, no refunds will be given.

Questions:
Contact Heart and Vascular Conferences Department 1-800-732-6368 or via email at heartandvascularconferences@beaumont.edu

Register Online:
http://beaumont.edu/cardiology-conferences

In accordance with our efforts to be environmentally responsible, we are taking a “Go Green” approach to conference materials. We will not provide printed presentation materials. Instead, you may access presentations after the conference on our website via exclusive attendee-only access.
Advances in Cardiovascular Imaging and Interventions

Sept. 29 – Oct. 1, 2016
Detroit Marriott, Troy – Troy, Michigan

OPENING RECEPTION AND KEYNOTE DINNER PRESENTATION
Thursday, September 29 with
Roberto Lang, M.D., University of Chicago Medical Center

REGISTER ONLINE:
http://beaumont.edu/cardiology-conferences

Conference Location and Accommodations

The Troy Marriott is the official hotel for the Advances in Cardiovascular Imaging and Interventions conference.

During your stay, you may be contacted at:

Troy Marriott Hotel
200 West Big Beaver Road • Troy, MI 48084
Phone: 248-680-9797

The Troy Marriott is offering a group rate of $119.00 plus tax per night. To make your sleeping room reservations, please call 248-680-9797. You must identify yourself as a Beaumont Imaging Conference attendee at the time of reservation to receive the group rate.

Register Online:
http://beaumont.edu/cardiology-conferences

Hotel contracts require Beaumont Health to be financially responsible for unused sleeping rooms. The sleeping room rate covers the cost of meeting space and the labor for meeting room set up. Staying at the conference hotel also provides you with the benefit of after-hours networking and easy accessibility to the meetings and exhibits. Please help Beaumont avoid unnecessary penalties and keep registration fees low by booking your sleeping room at the Troy Marriott.