

## Introduction

Thank you for joining us today for *Advances in Cardiovascular Imaging and Interventions Conference*. In the coming days, we will focus on advances in key areas of diagnosis and management of a wide myriad of cardiovascular diseases. This will include 2 and 3D echocardiography, CT and MRI, surgical and interventional therapies for patients with various heart pathologies. Many other topics will be covered highlighting emerging technologies and how these technologies can be used to improve patient care in an ever changing health care world.

Welcome

Amr Abbas, M.D.

## Objectives

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

- discuss dilemmas in the diagnosis of valve disease
- discuss new valve guidelines and cardiovascular therapies
- describe advances in structural heart disease
- identify advances in cardiovascular surgery
- discuss 3D and multimodality imaging

## 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 12.75 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

(CME Credit Breakdown: Thursday – 1.00; Friday – 7.5; Saturday – 4.25)

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 display fees from commercial supporters.

## Unapproved Use

It is the policy of Beaumont Health System to require the disclosure of all references to off-label or unapproved uses of drugs or devices prior to the presentation of educational content. The audience is advised that this continuing medical education activity may contain reference(s) to off-label or unapproved uses of drugs or devices. Please consult the prescribing information for full disclosure of approved uses.

## Disclaimer

The information provided at this CME activity is for continuing education purposes only and is not meant to substitute for the independent medical judgment of a healthcare provider relative to diagnostic and treatment options of a specific patient's medical condition.

## Resolution of Conflicts of Interest

In accordance with the ACCME Standards for Commercial Support of CME, William Beaumont Hospital implemented mechanisms, prior to the planning and implementation of this CME activity, to identify and resolve conflicts of interest for all individuals in a position to control content of this CME activity.

## Disclosure

The CME Committee members and CME staff involved with this activity as content validation reviewers and the following speakers and/or planning committee members have indicated they have no relevant financial relationship(s) with commercial interests to disclose:

- Michael Ashbrook, M.D.
- George Hanzel, M.D.
- Robert Safian, M.D.
- Elvis Cami, M.D.
- Nathan Kerner, M.D.
- Francis Shannon, M.D.
- Louis Cannon, M.D.
- Sherif Nagueh, M.D.
- Steven Timmis, M.D.
- Michael Gallagher, M.D.
- Brian Renard, M.D.

The following speakers and/or planning committee members have relevant financial relationship(s) with commercial interests to disclose:

**Amr Abbas, M.D.:** *speaker for Lantheus Medical Imaging*

**Steven Almany, M.D.:** *employed by Biostarventures*

**Karthik Ananth, MD:** *consultant/advisor for Astellas Pharma US; research grants from Astellas Pharma US, GE Healthcare, Alnylam Pharmaceuticals, Heart Metabolics*

**Steven Lester, MD:** *consultant/advisor for Myocor, Inc.*

**Philippe Pibarot, DVM, PhD:** *research grants from Edward Lifesciences LLC and Medtronic, Inc.*

## Receive CME credits

(Beaumont uses email and cell phone as mechanisms to award CME credits. This information is confidential.)



### STEP 1

#### SIGN-IN

at the registration desk and verify your email address is correct (if available)



### STEP 2

#### TEXT

**24016** to  
**313-329-7274**  
before **1:30 PM** on  
**October 7\***



### STEP 3

#### EVALUATE

Complete the evaluation by  
**11/4/17**

- Online at:  
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- or from the free CloudCME™ mobile app  
(download from the app store)

\*The text message will activate the conference evaluation; if successful, you will receive a reply text: "Thank you, we have recorded your attendance...". **If you miss the texting window or have problems with the text,** CME staff will manually activate the evaluation by October 11; you will be notified by email once the evaluation is available.

## Questions?

CME: [cme@beaumont.edu](mailto:cme@beaumont.edu)

Other: [Shannon.Herrington@beaumont.org](mailto:Shannon.Herrington@beaumont.org)



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### REMINDER:

- ① Text attendance by **1:30 PM, October 7, 2017**
- ② Claim credits online by **November 4, 2017** (After this time, credit is no longer available.)

# Faculty

## Course Director

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

## Course Co-Directors

**Michael J. Gallagher, M.D.**  
Director, Clinical Cardiology Fellowship Program  
Beaumont Hospital, Royal Oak  
Director, Cardiac CT  
Beaumont Hospital, Troy  
Associate Professor of Medicine  
OUWB School of Medicine

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

## Guest Faculty

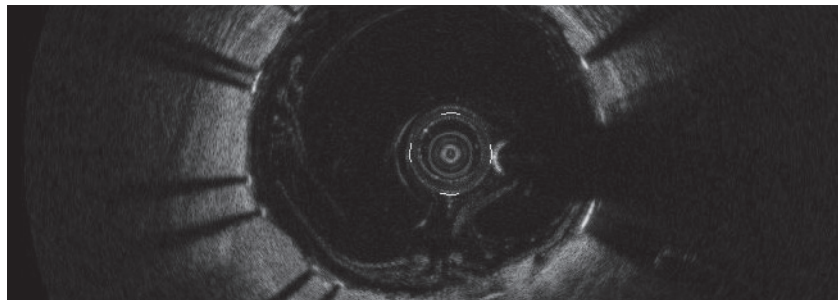
**Karthik Ananth, M.D.**  
Associate Professor of Medicine  
Wayne State University  
Director, Nuclear Cardiology and Echocardiography Laboratory  
Henry Ford Hospital  
Detroit, MI

**Louis Cannon, M.D.**  
Program Director  
The Heart & Vascular Institute  
McLaren Northern Michigan  
Petoskey, MI

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

**Sherif Nagueh, M.D.**  
Cardiologist and Medical Director  
Echocardiography Laboratory  
Methodist DeBakey Heart and Vascular Center  
Houston, TX  
Professor of Medicine  
Weill Cornell Medical College

**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

**Michael Ashbrook, M.D.**  
Cardiology Fellow

**Elvis Cami, M.D.**  
Imaging Fellow

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

**Brian Renard, M.D.**  
Cardiology Fellow

**Robert Safian, M.D.**  
Director, CIRC Program  
Director, Interventional  
Cardiology Fellowship  
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

# Schedule of Events

## Thursday, Oct. 5

<b>6:30 p.m. – 9:00 p.m.</b>	<b>Keynote Speaker &amp; Dinner Program</b>	
6:30 p.m. – 7:00 p.m.	Reception	
7:00 p.m. – 8:00 p.m.	Dinner	
8:00 p.m. – 8:45 p.m.	Diastolic Dysfunction Guidelines: Pro and Con	Sherif Nagueh, M.D.
8:45 p.m. – 9:00 p.m.	Q&A	

## Friday, Oct. 6

7:15 a.m.	Registration/Continental Breakfast/Exhibits	
<b>8:00 a.m. – 10:30 a.m.</b>	<b>Session 1: Advances In Cardiovascular Imaging and Intervention</b>	Moderator: Steve Lester, M.D.
8:00 a.m. – 8:10 a.m.	Welcome & Introduction	Amr Abbas, M.D.
8:10 a.m. – 8:35 a.m.	What's Up the Pipeline for CV Care	Louis Cannon, M.D.
8:35 a.m. – 9:00 a.m.	Degenerated Aortic Valve Prosthesis: SAVR versus TAVR	Frank Shannon, M.D.
9:00 a.m. – 9:25 a.m.	Aortic Stenosis? Let the Audience and Experts Decide	Amr Abbas, M.D.
9:25 a.m. – 9:50 a.m.	Novel Applications of Myocardial Strain	Steve Lester, M.D.
9:50 a.m. – 10:15 a.m.	Hemodynamic Versus Anatomical Assessment of LFLG Severe AS	Philippe Pibarot, DVM, Ph.D.
10:15 a.m. – 10:30 a.m.	Q&A	
10:30 a.m. – 11:00 a.m.	Break/Exhibits	
<b>11:00 a.m. – 12:15 p.m.</b>	<b>Session 2: Hands-on Break out Session</b>	
	Cardiac Anatomy and Dissection	Michael Ashbrook, M.D., Brian Renard, M.D.
	Mechanical Circulation Support: How to Session	
	3D Echo Knobology for Sonographers	Nate Kerner, M.D., Elvis Cami, M.D.
12:15 p.m. – 1:15 p.m.	Lunch	
<b>1:15 p.m. – 3:10 p.m.</b>	<b>Session 3: Cardiovascular I</b>	Moderator: Sherif Nagueh, M.D.
1:15 p.m. – 1:40 p.m.	Septal Reduction Therapy for HOCM: Alcohol Versus Myomectomy	Sherif Nagueh, M.D.
1:40 p.m. – 2:05 p.m.	3D Assessment of the Right Heart Valves	Steve Lester, M.D.
2:05 p.m. – 2:30 p.m.	Prosthesis Patient Mismatch: SAVR and TAVR	Philippe Pibarot, DVM, Ph.D.
2:30 p.m. – 2:55 p.m.	Assessment of Mitral Regurgitation: Functional, Degenerative, and Ischemic	Steve Lester, M.D.
2:55 p.m. – 3:10 p.m.	Q&A	
3:10 p.m. – 3:30 p.m.	Break/Exhibits	
<b>3:30 p.m. – 5:30 p.m.</b>	<b>Session 4: Cardiovascular II</b>	Moderator: George Hanzel, M.D.
3:30 p.m. – 3:55 p.m.	CT and Invasive FFR: All the Same, or Something Different?	Robert Safian, M.D.
3:55 p.m. – 4:20 p.m.	Cardiac MRI for Valvular Heart Disease	Michael Gallagher, M.D.
4:20 p.m. – 4:45 p.m.	Update on PFO Closure for Stroke	Amr Abbas, M.D.
4:45 p.m. – 5:10 p.m.	Paravalvular and Valvular Leak after TAVR, How to and what to?	George Hanzel, M.D.
5:10 p.m. – 5:30 p.m.	Q&A	

## Saturday, Oct. 7

7:15 a.m.	Registration/Continental Breakfast/Exhibits	
<b>8:00 a.m. – 10:30 a.m.</b>	<b>Session 5: Potpourri</b>	Moderator: Nathan Kerner, M.D.
8:00 a.m. – 8:10 a.m.	Welcome & Introduction	Amr Abbas, M.D.
8:10 a.m. – 8:35 a.m.	Atrial Appendage Occlusion in the Era of NOACs	Steve Almany, M.D.
8:35 a.m. – 9:00 a.m.	Pregnant with Aortic Stenosis: Illustrative Cases	Michael Gallagher, M.D.
9:00 a.m. – 9:25 a.m.	CCU: Illustrative Cases of Complex Case Management with Imaging	Steve Timmis, M.D.
9:25 a.m. – 9:50 a.m.	My Most Interesting TEEs	Nathan Kerner, M.D.
9:50 a.m. – 10:15 a.m.	Q&A	
10:15 a.m. – 10:30 a.m.	Break/Exhibits	
<b>10:30 a.m. – 12:35 p.m.</b>	<b>Session 6: Right Heart</b>	Moderator: Steve Lester, M.D.
10:30 a.m. – 10:55 a.m.	Right Heart Hemodynamics, Fact or Fiction?	Steve Lester, M.D.
10:55 a.m. – 11:20 a.m.	Advanced Imaging for the Right Heart	Karthik Ananth, M.D.
11:20 a.m. – 11:45 a.m.	Surgery on the Tricuspid and Pulmonic Valves, When and How?	Frank Shannon, M.D.
11:45 a.m. – 12:10 p.m.	Percutaneous Therapy for Right Heart Valves	George Hanzel, M.D.
12:10 p.m. – 12:35 p.m.	Q&A and Closing	







