

# 29th Annual Cardiovascular Conference

America's Premier Meeting  
on Innovations in  
Cardiovascular Medicine

**Feb. 8-11, 2020**

Park Hyatt Beaver Creek  
Beaver Creek, CO

## Course Directors

Simon R. Dixon, MBChB, FACC  
Bernard J. Gersh, MBChB, DPhil, MACC  
Christopher B. Granger, MD, FACC  
David E. Haines, MD, FACC  
John C. Messenger, MD, FACC  
Renato G. Ramos, MD, FACC

*Sponsored by*

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MEDICINE

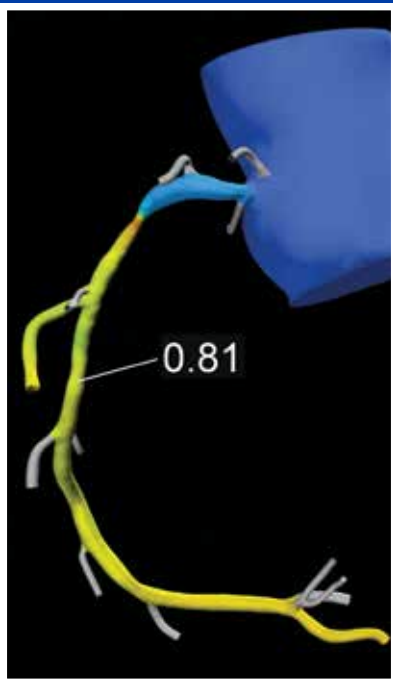
*In collaboration with*

Duke University School of Medicine  
Mayo Clinic  
University of Colorado School of Medicine

*Supported by*

The Lois Walts Farrell  
Education and Training Fund

# Introduction



The 29th Annual Cardiovascular Conference in Beaver Creek, Colorado has been designed to provide a comprehensive review of the latest advances, current trends and new innovative therapies for cardiovascular disease, delivered by national leaders in the field. Interact with faculty during case-based sessions that address challenges in the diagnosis and management of common cardiovascular conditions such as atrial fibrillation, coronary artery disease, congestive heart failure and valve disease. The course will also feature a case-based fellows program, and a focus session on innovations in healthcare.

## Course Highlights

- CV Team Symposium geared toward APPs, RNs, sonographers and pharmacists
- Case-based presentations
- Fellows program
- World-renowned faculty
- Networking lunches

## Objectives

By attending this conference, attendees should improve their ability to:

- Discuss new advances in cardiac CT and FFR-CT
- Discuss the role of SGLT2 inhibitors in cardiovascular disease
- Review novel drugs and agents in lipid therapy
- Discuss the impact of artificial intelligence in cardiology
- Describe upstream therapy to prevent atrial fibrillation
- Review the current status of renal denervation
- Describe new approaches in the management of cardiogenic shock
- Discuss how to optimize therapy in PCI patients needing anticoagulation
- Describe new innovations in transcatheter valve therapy

## Acknowledgement

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

## Target Audience

This conference is designed for cardiologists, advanced practice providers, internists, and primary care physicians.

## CME Accreditation and Credit Designation

Beaumont Health is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Beaumont Health designates this live activity for a maximum of 23.0\* AMA PRA Category 1 Credit(s)<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

*\*Amount of credit subject to change; final credits will be determined based on the final agenda and will be listed on the final CME handout provided in advance of the seminar.*

Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 23.0 medical knowledge MOC points in the American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity. It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit.



# Faculty

## Course Directors

### **Simon R. Dixon, MBChB, FACC**

Professor of Medicine  
Oakland University William Beaumont (OUWB)  
School of Medicine  
Chair, Department of Cardiovascular Medicine  
Dorothy Susan Timmis Endowed Chair of Cardiology  
Beaumont Hospital, Royal Oak  
Royal Oak, MI

### **Bernard J. Gersh, MBChB, DPhil, MACC**

Professor of Medicine  
Consultant, Division of Cardiovascular Diseases  
Mayo Clinic  
Rochester, MN

### **Christopher B. Granger, MD, FACC**

Professor of Medicine  
Director, Cardiac Care Unit  
Duke University Medical Center  
Durham, NC

### **David E. Haines, MD, FACC**

Professor of Medicine  
OUWB School of Medicine  
Director, Heart Rhythm Center  
Beaumont Hospital, Royal Oak  
Royal Oak, MI

### **John C. Messenger, MD, FACC**

Professor of Medicine  
University of Colorado School of Medicine  
Director, Cardiac Catheterization Lab  
Division of Cardiology  
Director, Cardiovascular ICU  
University of Colorado Hospital  
Aurora, CO

### **Renato G. Ramos, MD, FACC**

Associate Professor of Medicine  
OUWB School of Medicine  
Emeritus Director, Cardiac Catheterization Lab  
Beaumont Hospital, Royal Oak  
Royal Oak, MI  
Founding Course Director

## Faculty

### **Amr E. Abbas, MD, FACC**

Professor of Medicine  
OUWB School of Medicine  
Director, Cardiology Research  
Beaumont Hospital, Royal Oak  
Royal Oak, MI

### **Larry A. Allen, MD, MHS, FACC**

Professor of Medicine  
Kenneth Poirier Endowed Chair  
Associate Head for Clinical Affairs, Cardiology  
Medical Director, Advanced Heart Failure  
University of Colorado School of Medicine  
Aurora, CO

### **Abhay Neil Bilolikar, MD**

Assistant Professor of Medicine  
OUWB School of Medicine  
Director, Echocardiography Lab  
Beaumont Hospital, Royal Oak  
Royal Oak, MI

### **Robert M. Califf, MD, MACC**

Head, Medical Strategy and Policy  
Verily and Google Health  
Adjunct Faculty, Stanford and Duke University

### **John D. Carroll, MD, FACC**

Professor of Medicine  
Division of Cardiology  
University of Colorado School of Medicine  
Director, Interventional Cardiology  
Co-Director, Cardiac and Vascular Center  
University of Colorado Hospital  
Aurora, CO

### **Joseph C. Cleveland, Jr., MD, FACC**

Professor of Surgery  
Surgical Director  
Cardiac Transplantation/Mechanical Support  
Division of Cardiothoracic Surgery  
University of Colorado School of Medicine  
Aurora, CO

### **James M. Colar, RN, MSN, ACNP-BC\***

Nurse Practitioner  
Department of Cardiovascular Medicine  
Beaumont Hospital, Royal Oak  
Royal Oak, MI

### **Marc-Andre A. Cornier, MD**

Professor of Medicine  
Division of Endocrinology, Metabolism and Diabetes  
University of Colorado School of Medicine  
Associate Division Head, Endocrinology  
University of Colorado Hospital  
Aurora, CO

### **Frances A. Cosgrove, MSN, NP-C\***

Nurse Practitioner  
Duke University Medical Center  
Durham, NC

### **Robert H. Eckel, MD**

Professor of Medicine, Emeritus  
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Division of Cardiology  
University of Colorado Anschutz Medical Campus  
Aurora, CO

### **Michael J. Gallagher, MD, FACC**

Associate Professor of Medicine  
OUWB School of Medicine  
Program Director, Clinical Cardiology Fellowship  
Beaumont Hospital, Royal Oak  
Royal Oak, MI

### **Michael R. Gold, MD, FACC**

Professor of Medicine  
Chief of Cardiology  
Medical University of South Carolina  
Charleston, SC

### **George S. Hanzel, MD, FACC**

Associate Professor of Medicine  
OUWB School of Medicine  
Director, Cardiac Catheterization Lab  
Director, Structural Heart Disease  
Beaumont Hospital, Royal Oak  
Royal Oak, MI

### **Timothy D. Henry, MD, FACC, MSCAI**

Medical Director, The Carl and Edyth Lindner Center  
for Research and Education at The Christ Hospital  
The Carl and Edyth Lindner Family Distinguished Chair  
in Clinical Research  
Director of Programmatic and Network Development  
Heart & Vascular Service Line  
The Christ Hospital Health Network  
Cincinnati, Ohio

### **James G. Jollis, MD, FACC**

Professor of Medicine and Radiology  
Duke University Medical Center  
Durham, NC

### **Lavanya Kondapalli MD, FACC**

Assistant Professor of Medicine  
Director of Cardio-Oncology  
University of Colorado School of Medicine  
Aurora, CO

### **Daniel B. Mark, MD, FACC**

Professor of Medicine  
Duke Clinical Research Institute  
Vice Chief for Academic Affairs  
Division of Cardiology  
Duke University Medical Center  
Durham, NC

### **Manesh R. Patel, MD, FACC**

Professor of Medicine  
Chief, Divisions of Cardiology and Clinical Pharmacology  
Duke University Medical Center  
Durham, NC

### **Eric D. Peterson, MD, FACC**

Fred Cobb, MD Professor of Medicine  
Director, Duke Clinical Research Institute  
Duke University Medical Center  
Durham, NC

### **Sean D. Pokorney, MD**

Assistant Professor of Medicine  
Duke University Medical Center  
Durham, NC

### **John S. Rumsfeld, MD, PhD, FACC**

Chief Innovation Officer, ACC  
Professor of Medicine  
Division of Cardiology  
University of Colorado School of Medicine  
Aurora, CO

### **Robert D. Safian, MD, FACC**

Professor of Medicine  
OUWB School of Medicine  
Director, Center for Innovation and  
Research in Cardiovascular Diseases  
Lucia Zurkowski Endowed Chair for CIRC  
Program Director, Interventional Cardiology Fellowship  
Beaumont Hospital, Royal Oak  
Royal Oak, MI

### **Dominik Wiktor, MD, FACC**

Assistant Professor of Medicine  
Interventional Cardiologist  
University of Colorado School of Medicine  
Aurora, CO

# Schedule of Events

Saturday, Feb. 8

<b>Noon–6 p.m.</b>	<b>4th Annual Cardiovascular Team Symposium</b>	
<b>Noon–2:45 p.m.</b>	<b>General Session</b>	<b>Moderator: James Colar</b>
Noon–12:05 p.m.	Welcome and Introduction	James Colar
12:05–12:30 p.m.	Advances in Cardiac CT	Michael Gallagher
12:30–12:55 p.m.	Exercise Recommendations in Arrhythmia Patients	Sean Pokorney
12:55–1:20 p.m.	Cardio-Oncology: What You Need to Know	Lavanya Kondapalli
1:20–1:45 p.m.	An Overview of ACHD in 2020: An Interventionalists Perspective	Dominik Wiktor
1:45–2:10 p.m.	Medicare Part D and the Donut Hole: What You Need to Know	James Jollis
2:10–2:35 p.m.	ECGs Diagnoses Not to Miss!	David Haines
2:35–2:45 p.m.	Q&A	Panel
<b>2:45–3:15 p.m.</b>	<b>Break</b>	
<b>3:15–6 p.m.</b>	<b>General Session</b>	<b>Moderator: Francis Cosgrove</b>
3:15–3:40 p.m.	How to Keep Your Heart Failure Patient Out of the Hospital	Larry Allen
3:40–4:05 p.m.	Out-of-Hospital Cardiac Arrest	Timothy Henry
4:05–4:30 p.m.	Aspirin in Cardiovascular Disease: Myths and Mantra	Amr Abbas
4:30–4:55 p.m.	Subclinical AF: A Growing Epidemic	Michael Gold
4:55–5:20 p.m.	The Placebo Effect: Medical Magic or Malarkey?	Daniel Mark
5:20–5:45 p.m.	SGLT2 Inhibitors in Cardiovascular Disease	Marc Cornier
5:45–6 p.m.	Q&A	Panel

Sunday, Feb. 9

<b>6:30–7 a.m.</b>	<b>Breakfast and Exhibits</b>	
<b>7–9:30 a.m.</b>	<b>Cardiovascular Disease Prevention</b>	<b>Moderator: Christopher Granger</b>
7–7:10 a.m.	Welcome	Simon Dixon
7:10–7:35 a.m.	Evidence and Recommendations for the Cardiovascular Diet	Manesh Patel
7:35–8 a.m.	What's New in Lipid Therapy: Novel Drugs and Novel Findings	Eric Peterson
8–8:25 a.m.	Triglycerides and Cardiovascular Disease	Robert Eckel
8:25–8:50 a.m.	Upstream Therapy to Prevent AF	David Haines
8:50–9:15 a.m.	Debate: Coronary CTA for Screening	
	Sign Me Up	Michael Gallagher
	Not So Fast!	James Jollis
9:15–9:30 a.m.	Q&A	Panel
<b>Noon–1:30 p.m.</b>	<b>Lunch</b>	
<b>4:00–6:30 p.m.</b>	<b>Heart Rhythm</b>	<b>Moderator: David Haines</b>
4:00–4:25 p.m.	Stroke Prevention in Patients with Morbid Obesity or Dialysis	Christopher Granger
4:25–4:50 p.m.	Channelopathies: What You Need to Know	David Haines
4:50–5:15 p.m.	Pathophysiology and Management of Postoperative AF	Bernard Gersh
5:15–5:40 p.m.	Cardiac Monitoring: Present and Future Directions	Sean Pokorney
5:40–6:05 p.m.	Maximizing Clinical Response for CRT	Michael Gold
6:05–6:30 p.m.	Q&A	Panel
<b>7–9 p.m.</b>	<b>Welcome Reception</b>	
	All Faculty, Participants, Guests and Exhibitors are invited to attend.	

# Schedule of Events

Monday, Feb. 10

<b>6:30–7 a.m.</b>	<b>Breakfast and Exhibits</b>	
<b>7–9:45 a.m.</b>	<b>Heart Failure and Cardiomyopathy</b>	<b>Moderator: Larry Allen</b>
7–7:25 a.m.	Heart Failure: Management of Acute Heart Failure	Larry Allen
7:25–7:50 a.m.	Pathophysiology and Management of AF and LV Dysfunction	Sean Pokorney
7:50–8:15 a.m.	Digital Support for Chronic Disease Management	Robert Califf
8:15–8:40 a.m.	Management of Symptomatic Patients with HCM: Changing Perspectives	George Hanzel
8:40–9:05 a.m.	Cardiac Amyloid	Neil Bilolikar
9:05–9:30 a.m.	New Diabetes Drugs Are Really Cardiology Drugs	Christopher Granger
9:30–9:45 a.m.	Q&A	Panel
<b>Noon–1:30 p.m.</b>	<b>Lunch</b>	
<b>2:30–3:50 p.m.</b>	<b>Fellows Program: Tough Clinical Calls</b>	<b>Moderator: Neil Bilolikar</b> <b>Panel: Bernard Gersh, James Jollis, Lavanya Kondapalli</b>
<b>3:50–4 p.m.</b>	<b>Break</b>	
<b>4–6:30 p.m.</b>	<b>Innovation in Healthcare</b>	<b>Moderator: Bernard Gersh</b>
4–4:25 p.m.	Is Misinformation Killing Your Patients? And What You Can Do About It	Robert Califf
4:25–4:50 p.m.	The Good, Bad and Ugly of Technology Innovations	John Rumsfeld
4:50–5:15 p.m.	Debate: Artificial Intelligence in Cardiology Supporting Practice	Robert Califf
	Nope...Replacing Physicians!	Eric Peterson
5:15–5:40 p.m.	Novel Non-Pharmacologic Approaches for Heart Failure	Timothy Henry
5:40–6:05 p.m.	Are Medical Journals Dead in the Era of Twitter?	Eric Peterson
6:05–6:30 p.m.	Current Status of Renal Denervation: The Rise, Fall and Possible Resurrection	Bernard Gersh

Tuesday, Feb. 11

<b>6:30–7 a.m.</b>	<b>Breakfast and Exhibits</b>	
<b>7–9:45 a.m.</b>	<b>Valve and Structural Heart Disease</b>	<b>Moderator: John Messenger</b>
7–7:25 a.m.	PFO and Cryptogenic Stroke: Who Needs Closure?	Amr Abbas
7:25–7:50 a.m.	Edge-to-Edge Mitral Valve Repair: Agrafer Ou Ne Pas Agrafer	James Jollis
7:50–8:15 a.m.	The Heart Team and Decision Making in Mitral Valve Intervention	Joseph Cleveland
8:15–8:40 a.m.	Perspectives on Low Risk TAVR	George Hanzel
8:40–9:05 a.m.	Prosthetic Valve Thrombosis	John Messenger
9:05–9:30 a.m.	Treatment Strategies for the Tricuspid Valve	John Carroll
9:30–9:45 a.m.	Q&A	Panel
<b>Noon–1:30 p.m.</b>	<b>Lunch</b>	
<b>2:30–3:50 p.m.</b>	<b>Fellows Program: Nightmare Cases in the Cath Lab</b>	<b>Moderator: Timothy Henry</b> <b>Panel: Amr Abbas, John Messenger, Robert Safian</b>
<b>3:50–4 p.m.</b>	<b>Break</b>	
<b>4–6:30 p.m.</b>	<b>Coronary and Vascular Disease</b>	<b>Moderator: Manesh Patel</b>
4–4:25 p.m.	Peripheral Arterial Interventions: State-of-the-Art	Manesh Patel
4:25–4:50 p.m.	The ISCHEMIA Trial Clinical and QOL Outcomes: What Do We Know So Far?	Daniel Mark
4:50–5:15 p.m.	Optimizing Therapy in PCI Patients Who Need Anticoagulation	John Messenger
5:15–5:40 p.m.	New Approaches in Cardiogenic Shock	Timothy Henry
5:40–6:05 p.m.	Invasive FFR, iFR, dFR: A Critical Appraisal	Robert Safian
6:05–6:30 p.m.	Complete vs. Incomplete Revascularization: Does it Matter?	Bernard Gersh
6:30–6:35 p.m.	Conclusion	Simon Dixon

# Information

## Accommodations

The Park Hyatt Beaver Creek, located next door to Gerald R. Ford Hall, is the host hotel for our conference. The Park Hyatt's location at the base of the mountain and unparalleled attention to detail, service, and comfort make it an excellent choice for accommodations.

Reserve your room by Jan. 3, 2020, at the group rate of \$545 + tax, per night.

Occupancy	Cut-off: 1/4/2019
Single/Double/King	\$545 + tax

The group rate is first-come, first-served, based on availability. Reserve your room at the Park Hyatt by calling 888-421-1442 and identify yourself as being with 29th Annual Cardiovascular Conference. Room upgrades are available for an additional cost.

**Reservation cut-off is Jan. 3, 2020**  
**Check in: 4 p.m., Check out: 12 p.m.**

Hotel contracts require Beaumont to be financially liable for unused rooms. The 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 meeting and exhibits. Please help Beaumont avoid unnecessary penalties and keep registration fees low by booking your room at the Park Hyatt.

## Registration information

Registering for the 29th Annual Cardiovascular Conference is easy. You may register online, by fax or phone until Feb. 7, 2020. Only registrations with payment will be processed.

### Online:

<http://beaumont.cloud-cme.com/beavercreek2020>

### Fax:

248-898-9075

### Phone:

800-732-6368

Pre-registration rates are available until Jan. 3, 2020. Online registration closes on Feb. 7, 2020. After Feb. 7, please register on-site at the Gerald R. Ford Hall.

## Registration fees

Registration Type	On or before 1/3/20	After 1/3/20
Attending Physician	\$900	\$1,100
Resident, NP, PA-C, other health care providers	\$500	\$650
CV Team Symposium ONLY Saturday, Feb. 8	\$100	\$150
One-day conference registration	\$200	\$200
Family Meal Plan <i>*Children are complimentary (up to 18 yrs. old)</i>	\$350	\$350
Adult Guest Meal Plan	\$200	\$200
Welcome Reception Sunday, Feb. 9	<b>Complimentary</b>	

The conference registration fee includes all general sessions, course syllabus, and food and beverage functions Sunday through Tuesday for the registrant only.

Meal packages include all food and beverage functions Sunday through Tuesday.

## Cancellation policy

By registering for the conference, you are indicating you have read and accept the following cancellations terms. To be valid, Beaumont Health must receive notification of your cancellation in writing.

A full refund less a \$100 cancellation fee will be issued if written notification is received by Jan. 3, 2020.

No refunds will be issued after Jan. 3, 2020.

The course directors reserve the right to cancel the conference due to unforeseen circumstances. In the unlikely event the conference is cancelled, a refund will be issued for the registration fee and any guest fees paid only. No refund or other compensation will be given for any related costs, charges, or expenses to participants, including fees assessed by airline / travel / lodging agencies.

# Registration Form


## 29th Annual Cardiovascular Conference

Name:		<input type="checkbox"/> MD <input type="checkbox"/> DO <input type="checkbox"/> PA-C <input type="checkbox"/> NP <input type="checkbox"/> RN <input type="checkbox"/> Other:			
Address:		City:		State:	Zip:
City, State for name badge (if different from above):					
Cell phone:		Fax:		Email:	
Specialty: <input type="checkbox"/> Clinical Cardiology <input type="checkbox"/> Interventional Cardiology <input type="checkbox"/> Cardiothoracic Surgery <input type="checkbox"/> Internal Medicine <input type="checkbox"/> Family Practice <input type="checkbox"/> Other:					

<b>Form of Payment</b> <input type="checkbox"/> Check payable to <b>Beaumont Health</b>		Credit Cards Accepted: <input type="checkbox"/> American Express <input type="checkbox"/> Discover <input type="checkbox"/> MasterCard <input type="checkbox"/> Visa			
Card Number:		Exp. Date: / /		Security Code:	
Name on Card:					

Registration Fees	On or before 01/03/20	After 01/03/20	#	TOTAL
<input type="checkbox"/> Attending physician	\$900	\$1,100		\$
<input type="checkbox"/> Resident, NP, RN, PA-C, other healthcare providers	\$500	\$650		\$
<input type="checkbox"/> CV Team Symposium ONLY - Saturday, Feb. 8, 2020	\$100	\$150		\$
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<input type="checkbox"/> Family Meal Package *Children are complimentary (up to 18 yrs. old)	\$350	\$350		\$
<input type="checkbox"/> Adult Guest Meal Package	\$200	\$200		\$
<input type="checkbox"/> Welcome Reception Dinner Program - Sunday, Feb. 9, 2020	<b>Complimentary</b>			\$
			SUBTOTAL	\$
			<b>TOTAL</b>	<b>\$</b>

Please provide guest first and last names as you would like them to appear on badges.

Adult guests:	
Children's names:	
	<input type="checkbox"/> If you have any special requirements to fully participate in this conference, please check here and include written description of your needs. You will be contacted to discuss how we can best assist you.
Online registration closes <b>Feb. 7, 2020</b> . After that date, only on-site registration will be available.	

### Ways to register

#### ONLINE:

<http://beaumont.cloud-cme.com/beavercreek2020>

#### FAX:

248-898-9075

#### MAIL:

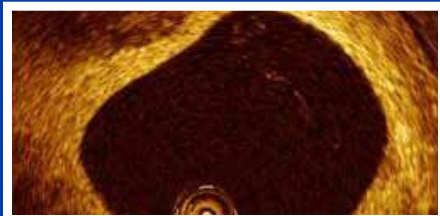
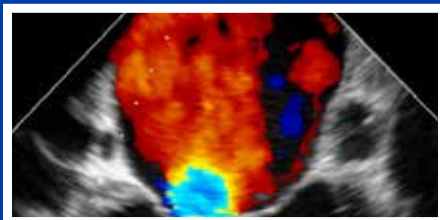
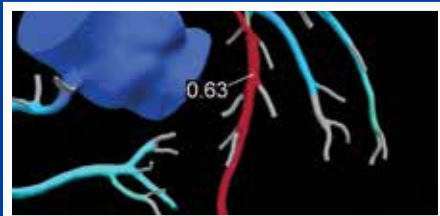
Completed registration form(s) and payment to:  
Beaumont Health  
Department of Cardiovascular Medicine  
Attn: Kathryn Tewilliager  
3601 West Thirteen Mile Road  
Royal Oak, MI 48073-6769

#### QUESTIONS?

Contact Heart and Vascular Conference Department  
800-732-6368  
or via email at:  
[HeartandVascularConferences@beaumont.org](mailto:HeartandVascularConferences@beaumont.org)

# Beaumont

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3601 West 13 Mile Road  
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