The management of patients with cardiac disease continues to evolve. The goal of this program is to provide the most current evidence-based diagnostic and treatment strategies for your patients. Related areas to cardiology will be covered such as management of hypertension and pulmonary embolus of cardiac patients. The program structure will focus on case-based presentations including lectures, breakfast cases, panel discussions, and use of our audience response system to provide opportunities for all participants to interact with the conference faculty. This four day program in clinical cardiology is designed for the cardiologist, primary care physician, internist, practicing cardiovascular specialist, cardiovascular nurse and physician assistant.
# Cardiology Update: Evidence-Based Management

## Course Director
Michael R. Gold, MD, PhD  
Michael Assey Professor of Medicine  
Division of Cardiology

## Assistant Course Director
Christopher D. Nielsen, MD  
Director, Adult Cardiac Labs  
Director, Interventional Fellowship Program  
Associate Professor of Cardiology

### Medical University of South Carolina College of Medicine Faculty

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
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<tbody>
<tr>
<td>Jan Basile, MD</td>
<td>Professor of Medicine</td>
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<tr>
<td>Michael L. Craig, MD</td>
<td>Assistant Professor of Medicine; Director, Cardiovascular Medicine Fellowship; Director, Congestive Heart Failure</td>
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<tr>
<td>Frank Cuoco, MD</td>
<td>Assistant Professor of Medicine; Director, Cardiac EP Lab &amp; Operations</td>
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<tr>
<td>Valerian Fernandes, MD</td>
<td>Associate Professor of Medicine; Director, Cardiac Catheterization Laboratory, Ralph H. Johnson VA Medical Center</td>
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<tr>
<td>David Gregg, MD</td>
<td>Associate Professor of Medicine; Division of Cardiology</td>
</tr>
<tr>
<td>Constance Guille, MD</td>
<td>Assistant Professor of Medicine</td>
</tr>
<tr>
<td>Christine Holmstedt, MD</td>
<td>Associate Professor of Neurology</td>
</tr>
<tr>
<td>Brian Houston, MD</td>
<td>Assistant Professor of Medicine; Medical Director, Mechanical Circulatory Support</td>
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<tr>
<td>Kathleen Law, NP</td>
<td>Heart Transplant Coordinator</td>
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<tr>
<td>Sheldon Litwin, MD</td>
<td>Spaulding Paolozzi Endowed Chair Professor of Medicine;</td>
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<tr>
<td>Anbukarasi Maran, MD</td>
<td>Assistant Professor of Medicine;</td>
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<tr>
<td>Pamela B. Morris, MD, FACC, FACP</td>
<td>Associate Professor; Director, Cardiovascular Prevention Program;</td>
</tr>
<tr>
<td>Terrence X. O’Brien, MD, FACC</td>
<td>Professor of Medicine; Director, Echocardiographic Lab, Ralph H. Johnson VA Medical Center; Co-Medical Director, MUSC Health East Cooper</td>
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<tr>
<td>Eric R. Powers, MD, FACC</td>
<td>Professor of Medicine; Peter C. Gazes Professor for Clinical Cardiology;</td>
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<tr>
<td>Bhavadharini Ramu, MD</td>
<td>Assistant Professor of Medicine</td>
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<tr>
<td>Daniel H. Steinberg, MD</td>
<td>Associate Professor of Medicine; Director, Structural Heart Program</td>
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<tr>
<td>J. Lacy Sturdivant, MD</td>
<td>Associate Professor of Medicine; Director, Cardiac Electrophysiology, Ralph H. Johnson VA Medical Center</td>
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<tr>
<td>Thomas M. Todoran, MD, MSc</td>
<td>Assistant Professor of Medicine; Director, Cardiovascular Clinical Research</td>
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<tr>
<td>Adrian Van Bakel, MD, PhD, FACP, FACC</td>
<td>Professor of Medicine; Medical Director, Cardiac Transplant Program</td>
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<tr>
<td>Marcus Wharton, MD</td>
<td>Frank Tourville Professor of Medicine; Director, Frank Tourville Arrhythmia Center; Director, Clinical Cardiac Electrophysiology</td>
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<tr>
<td>Jeffrey Winterfield, MD</td>
<td>Associate Professor of Medicine; Director, Ventricular Arrhythmia Service</td>
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<tr>
<td>Barbara Wiggins, PharmD</td>
<td>Clinical Pharmacy Specialist</td>
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<tr>
<td>Alison Wynne, NP</td>
<td>Cardiac Transplant</td>
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<tr>
<td>Michael Zile, MD</td>
<td>Endowed Chair, Charles Ezra Daniel for Cardiology; Professor of Medicine</td>
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## Accreditation

The Medical University of South Carolina College of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

## Disclosure Statement

In accordance with the ACCME Essentials and Standards, anyone involved in planning or presenting this educational activity will be required to disclose any relevant financial relationships with commercial interests in the healthcare industry. This information will be made available to participants at the beginning of the activity. Speakers who incorporate information about off-label or investigational use of drugs or devices will be asked to disclose that information at the beginning of their presentation.
**Tuesday, May 30**

3:00 – 6:00pm Early Registration

**Wednesday, May 31**

7:30 Registration and Continental Breakfast

8:00 Introduction and Welcome, Michael Gold, MD, PhD

8:10 Cardiovascular Drug-Drug Interactions: Practical Considerations for Prescriber, Barbara Wiggins, PharmD

8:40 Hypertension 2017: Controversies and Confusions, Jan Basile, MD

9:10 Neglected Risk Factors: The Role of Depression and Anxiety in Cardiovascular Disease, Constance Guille, MD

9:40 Update on Practical Strategies for Stroke Prevention, Christine Holmstedt, MD

10:10 Faculty Panel: Questions from Participants Drs. Wiggins, Basile, Guille, Holmstedt

10:30 Break with Exhibitors

10:50 Exercise and Arrhythmias: The Good, the Bad, and the Ugly, Marcus Wharton, MD

11:20 PVC’s: How to Evaluate and When to Treat, Jeffrey Winterfield, MD

11:50 Syncope: Who Needs Cardiac Monitoring & What Does it Tell Us? J. Lacy Sturdivant, MD

12:20 Stroke Prevention for Atrial Fibrillation: Anticoagulation or Device, Frank Cuoco, MD

12:50 Faculty Panel: Questions from Participants Drs. Wharton, Winterfield, Sturdivant, Cuoco

1:10 Adjourn

**Thursday, June 1**

11:10 Cardio-Oncology, Bhavadharni Ramu, MD

11:40 Percutaneous Closure of PFO: Not Just for Strokes, Christopher Nielsen, MD

12:10 Fractional Flow Reserve for the Noninterventionalist, Eric Powers, MD

12:40 Faculty Panel: Questions from Participants Drs. Litwin, Ramu, Nielsen, Powers

1:00 Adjourn

**Thursday, June 1 (continued)**

7:15 Registration and Continental Breakfast

7:30 Breakfast Cases (Bring Your Difficult Cases), Adrian Van Bakel, MD, PhD

8:30 Novel Pharmacologic Therapies for Heart Failure, Terrence O’Brien, MD

9:00 The Role of Implantable Hemodynamic Monitors in HFrEF & HFrEF, Michael Zile, MD

9:30 The Need for a Heart Failure Network in SC, Michael Craig, MD

10:00 What is Advanced Heart Failure and When Should I Refer? Brian Houston, MD

10:30 Faculty Panel: Questions from Participants Drs. O’Brien, Zile, Craig, Houston

10:50 Break with Exhibitors

11:15 Breakout A: Real-World Care of Difficult Heart Failure Patients, Kathleen Law, NP and Alison Wynne, NP

Breakout B: To be Determined

12:00 Adjourn

**Friday, June 2**

7:15 Registration and Continental Breakfast

7:30 Workup on Chest Pain: Which Test on Which Patients? (Bring Your Difficult Cases), Christopher Nielsen, MD

8:30 Hypertrophic Obstructive Cardiomyopathy Update, Valerian Fernandes, MD

9:00 Critical Limb Ischemia, Thomas Todoran, MD

9:30 Chronic Total Occlusion Update, Anbukarasi Maran, MD

10:00 Faculty Panel: Questions from Participants Drs. Fernandes, Todoran, Maran

10:30 Break with Exhibitors

10:50 Preoperative Evaluation for Noncardiac Surgery, David Gregg, MD

11:15 Breakout A: Real-World Care of Difficult Heart Failure Patients, Kathleen Law, NP and Alison Wynne, NP

Breakout B: To be Determined

12:00 Adjourn

**Saturday, June 3**

7:45 Registration and Continental Breakfast

8:15 Update on Mitral Valve Surgery/Intervention, David Gregg, MD

8:50 TAVR Update: TAVR for Everyone? Daniel Steinberg, MD

9:25 What Do the Scars Mean: An Introduction to Adult Congenital Heart Disease, David Gregg, MD

10:00 Break with Exhibitors

10:15 Preoperative Evaluation for Noncardiac Surgery, David Gregg, MD

10:50 Course Wrap-Up, Christopher Nielsen, MD and Michael Gold, MD

11:25 Adjourn
Overall Goals & Conference Objectives

Upon conclusion of this live activity, participants should be better able to:
- Implement practical strategies for stroke prevention
- Determine how to evaluate and when to treat PVC's effectively
- Select appropriate methods to prevent stroke in atrial fibrillation
- Describe the impact of obesity on cardiovascular health and testing
- Provide information to support the need for a heart failure network
- Describe advanced heart failure and when to refer your patients
- Assess the role of depression and anxiety as risk factors in cardiovascular disease
- Outline practical considerations for cardiovascular drug-drug interactions

Credit Designation

The Medical University of South Carolina designates this live activity for a maximum of 17.25 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

AAFP: Application for Continuing Medical Education credits has been filed with the American Academy of Family Physicians. Determination of credits is pending

Nursing Credit: Most states accept CMEs that apply to a specific nursing specialty as nursing continuing education. Please check with your respective State Board of Nursing to ascertain the equivalent number of contact hours offered for 17.25 AMA PRA Category 1 Credit(s)™.

Americans with Disabilities Act

We encourage participation by all individuals. If you have a disability, advance notification of any special needs will help us better serve you. Please call the Office of CME at 843-876-1925 or attach a note to your registration form by May 3, 2017.

Online Syllabus

We’re going green! In our efforts to “go green”, the syllabus and individual presentations will be provided on our website, www.musc.edu/cme. A link will be emailed to you the week prior to the conference. Internet connection will also be available in the meeting room. A printed syllabus (3 slides per page) is available upon request at the time of your registration for an additional fee of $30.00.

Online Syllabus

Registration Fees

The fees for the 41st Annual Cardiology Update: Evidence-Based Management are:

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Registration fee includes continental breakfasts, coffee breaks, electronic course syllabus and credit processing. No pre-registrations accepted after May 26, 2017. After this date, you must contact the Office of CME at 843-876-1925 to see if space is still available. If space is available you must register on-site at the increased rate for on-site registrations!

Registration Methods

Please use ONE of the following methods to register for this conference.
- **Online**: Visit www.musc.edu/cme. Please select “CME Conferences” in the left hand menu, then scroll down to find “41st Annual Update in Cardiology for the Primary Physician: Evidence-Based Management” and select the blue “Register” button on the right hand side.
- **Telephone**: (843) 876-1925. Registration by Credit Card Only.
- **Fax**: (843) 876-1931 Registration by Credit Card Only (Secured Area).
- **Email**: Send registration form with Credit Card Information to cmeoffice@musc.edu
- **Mail**: Registration form with check payable to “Medical University of South Carolina” or credit card info to: Office of CME, Medical University of South Carolina, 19 Hагood Avenue, Suite 1004, MSC 754, Charleston, SC 29425
Lodging

A block of rooms has been reserved for this conference. To secure your room at the DoubleTree by Hilton Hotel and Suites, Charleston-Historic District at 181 Church Street, please call 877-408-8733 or 843-414-1673 and state that you are attending the Medical University of South Carolina 2017 Cardiology Update. The room rate is $229.00 single/double per night. When you make your reservation, please be sure to ask about any early departure fees or cancellation penalties. The hotel room block is scheduled to be held until May 1, 2017 but may be sold out before this date. Therefore, we advise you to register for the program and reserve your lodging as soon as possible. Hotel check-in is 4:00 pm and check-out is 11:00am. You may visit the hotel website at www.doubletree.com. For online reservations, use group code CAR.

The Charleston airport is approximately 8 miles (30 minutes with traffic) from the downtown area.

Parking: Valet parking at the hotel is available at $30 plus tax, per day (subject to change) and can be added to your guest folio. Self Parking is available at surrounding lots at various rates

Cancellations

A refund for conference registration will be made upon written request prior to May 3, 2017; however, $75.00 will be retained for administrative costs. No refunds will be made after this date. We reserve the right to cancel the program if necessary. Full registration fees will be refunded for cancelled programs. The Medical University of South Carolina cannot be responsible for reimbursement of airline or other transportation fees, hotel or rental car charges, including penalties. By registering for this conference, you acknowledge and agree to this cancellation policy.

Information

For more information, please call the Office of CME at 843-876-1925, send a fax to 843-876-1931, email cmeoffice@musc.edu or visit our website: www.musc.edu/cme

Tour Historic Charleston and Experience Spoleto Festival USA 2017

SPOLETO FESTIVAL USA
Registration Form

41st Annual Cardiology Update: Evidence-Based Management
May 31 - June 3, 2017
Doubletree by Hilton Hotel & Suites, Downtown Charleston, SC
(Please print or type all information on this form)

Last Name (please print clearly)       First Name       Middle Initial
☐ MD       ☐ DO       ☐ PA
☐ NP       ☐ Other (specify)

Specialty

Address

City, State, Zip

Office Phone             Office Fax

Active Email Address (For claiming CME Credit)

☐ I do not want my name included on a list of participants to be handed out at the conference.

Registration Fees

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Payment must accompany registration.

☐ Check Made Payable to Medical University of South Carolina or pay by credit card:
☐ American Express       ☐ Discover       ☐ MasterCard       ☐ Visa

Cardholder’s Name

Card Number             Expiration

Please use ONE of these methods to register (do not mail if previously faxed or telephoned):

Online: Visit www.musc.edu/cme. Please select “CME Conferences” in the left hand menu, then scroll down to find “40th Annual Cardiology Update” & select the blue “Register” button on the right side.

Mail registration form with check or credit card information to Office of CME, Medical University of South Carolina, 19 Hagood Avenue, Suite 1004, MSC 754, Charleston, SC 29425.

Registration by Credit Card Only:
Telephone: 843-876-1925     Fax: 843-876-1931     Email Registration form to: cmeoffice@musc.edu