



46TH CARDIOLOGY UPDATE

EVIDENCE-BASED MANAGEMENT

May 30 - June 1, 2024

The Hyatt Place Hotel
Historic Charleston, South Carolina
During Spoleto Festival USA

For more information, contact the MUSC Office
of CME: 843-876-1925, cmeoffice@musc.edu,
or visit musc.edu/cme

Offering in-person
and
virtual attendance



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COURSE FACULTY

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
Professor of Cardiology

MUSC FACULTY



Nicholas Amoroso, M.D.
Associate Professor of Medicine
Division of Cardiology

Jessica Atkins, M.D.
Assistant Professor of Medicine
Division of Cardiology

Jan Basile, M.D.
Professor of Medicine
Division of Cardiology

Marc-André Cornier, M.D.
Professor of Medicine
James A. Keating Endowed Chair in Diabetes
Director, Division of Endocrinology,
Diabetes & Metabolic Diseases

Valerian Fernandes, M.D.
Professor of Medicine
Division of Cardiology

David Gregg, M.D.
Professor of Medicine
Division of Cardiology
Director Confenital Heart Disease Program

Jan Griffin, M.D.
Assistant Professor of Medicine
Division of Cardiology

Chakradhari Inampudi, M.D.
Assistant Professor of Medicine
Division of Cardiology

Daniel P. Judge, M.D., FACC, FHFS
Edwin W. and Teresa H. Rogers
Professor of Medicine
Director of Cardiovascular Genetics

Rachel Kaplan, M.D., M.S
Assistant Professor of Medicine
Cardiac Electrophysiology
Division of Cardiology

Elie Kozaily, M.D.
Advanced Heart Failure & Transplant
Cardiology Fellow
Division of Cardiology

Anne Kroman, D.O, PhD
Assistant Professor of Medicine
Division of Cardiology

Sheldon Litwin, M.D., FACC, FAHA, FASE
Alicia Spaulding-Paolozzi Endowed Chair
South Carolina Center of Economic Excellence
Professor of Medicine, Cardiology and Radiology
Director of Echocardiography
Associate Editor, Journal of the American
Society of Echocardiography

Pamela Morris, M.D.
Professor of Medicine, Cardiology
Medical University of South Carolina
Paul V. Palmer Endowed Chair in Cardiovascular
Disease Prevention
Director, Seinsheimer Cardiovascular Health Program
Trustee, American College of Cardiology

Sergio Pinski, M.D.
Clinical Professor of Medicine
Division of Cardiology

Vishal Rao, M.D.
Assistant Professor of Medicine
Division of Cardiology

Daniel Silverman, M.D.
Assistant Professor of Medicine
Division of Cardiology

Daniel Steinberg, M.D.
Endowed Chair, Edna M. Sutton Endowed
Chair in Structural Heart Disease
Professor of Medicine
Division of Cardiology

Thomas Todoran, M.D., MSc
Associate Professor of Medicine & Surgery
Division of Cardiology & Vascular Surgery

Adrian B. Van Bakel, M.D., PhD
Professor of Medicine
Division of Cardiology

Ashley Waring, M.D.
Assistant Professor of Medicine
Division of Cardiology

Jeffrey Winterfield, M.D.
Associate Professor of Medicine
Division of Cardiology

Michael R. Zile, M.D.
Charles Ezra Daniel Professor of Medicine
Distinguished University Professor
Division of Cardiology
RHJ Department of Veterans Affairs Medical
Center, Charleston, SC

Jeffrey Yourshaw, M.D.
Assistant Professor of Medicine
Division of Cardiology

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NEEDS STATEMENT AND PROGRAM OVERVIEW

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, pulmonary embolus of cardiac patients and management of heart failure. 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 three day program in clinical cardiology is designed for the cardiologist, primary care physician, internist, practicing cardiovascular specialist, cardiovascular nurse and physician assistant.

CANCELLATIONS

A refund will be made upon written request prior to April 30, 2024; however \$100 will be retained for administrative costs. No refunds will be made after April 30, 2024. We reserve the right to cancel the conference if necessary. Full registration fees will be refunded for canceled programs. The Medical University of South Carolina cannot be responsible for reimbursement of airline or other transportation fares, hotel or rental car charges, including penalties. By registering for this conference, you acknowledge and agree to this cancellation policy.

DISCLOSURE STATEMENT

In accordance with the ACCME Standards for Integrity and Independence in Accredited Continuing Education anyone involved in planning or presenting this educational activity will be required to disclose any financial relationships with any ineligible companies. An ineligible company is any entity whose primary business is producing, marketing, selling, reselling, or distributing healthcare products used by or on patients. Any financial relationships with these ineligible companies have been mitigated by the MUSC Office of CME. 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.

AMERICANS WITH DISABILITIES ACT

It is the policy of the Medical University of South Carolina not to discriminate against any person on the basis of disabilities. If you feel you need services or the auxiliary aids mentioned in this act in order to fully participate in this continuing medical education activity, please call the Office of CME at 843-876-1925.



CREDIT DESIGNATION STATEMENT

PHYSICIAN CREDIT

The Medical University of South Carolina designates this live activity for a maximum of 13.0 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.

OTHER CREDITS

American Academy of Nurse Practitioners National Certification Program accepts AMA PRA Category 1 Credit[™] from organizations accredited by ACCME.

American Academy of Physician Assistants (AAPA) accepts certificates of participation for educational activities certified for AMA PRA Category 1 Credit(s)[™] from organizations accredited by ACCME. PAs may receive a maximum of 13.0 AAPA Category 1 Credits for completing this activity.



Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 13.0 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 participants completion information to ACCME for the purpose of granting ABIM MOC credit.

For those interested in receiving MOC, the MOC assessment will be held at the end of each day and will last no more than 15 minutes each day.

ACCREDITATION STATEMENT

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

QUESTIONS? Call the Office of CME at 843-876-1925 or email cmeoffice@musc.edu

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COURSE AGENDA

Thursday, May 30

- 7:30am Sign in and Breakfast
- 7:55 Join Live Stream Session/Welcome
- 8:00 Evaluation and Treatment of PVCs
Sergio Leonardo Pinski, M.D.
- 8:25 SVT - Diagnosis and Treatment
Jeffrey Winterfield, M.D.
- 8:50 Subclinical Atrial Fibrillation - Who Needs Anticoagulation?
Michael R. Gold, M.D. PhD
- 9:15 Leadless Pacemakers,
Anne Kroman, D.O., PhD
- 9:40 2023 Guidelines for Atrial Fibrillation: What's New?
Rachel Kaplan, M.D., M.S
- 10:05 BREAK with EXHIBITORS
- 10:25 Update on Resistant Hypertension and the Role of Renal Denervation Resistant Hypertension
Jan Basile, M.D.
- 10:40 Resistant Hypertension: The Role of Renal Denervation
Thomas Todoran, M.D.
- 10:55 A Brave New Future for Anti-Obesity Therapy,
Sheldon Litwin, M.D.
- 11:15 Hiding In Plain Sight: Familial Hypercholesterolemia Diagnosis and Management,
Ashley Waring, M.D.
- 11:35 Panel Q&A
- 11:45 Challenging Cases in Prevention
Drs. Jan Basile, Thomas Todoran, Ashley Waring, Pamela Morris, Marc Cornier
- 12:25 MOC Assessment
- 12:30 Adjourn for the Day

Friday, May 31

- 7:15am Sign in and Breakfast
- 7:25 Join Live Stream Session/Welcome
- 7:30 Best Cases of the Year
Elie Kozaily, MD
- 8:00 Updates in Workup and Treatment Options for Cardiac Amyloid
Jan Griffin, MD
- 8:30 Cardio-Obstetrics - What You Need to Know
David Gregg, M.D.
- 9:00 Cardiac Genetics and Genomics
Daniel Judge, MD
- 9:30 Hypertrophic Cardiomyopathy, New Therapies on the Horizon
Jessica Atkins, MD
- 10:00 BREAK with EXHIBITORS
- 10:20 Improving Gaps of Care, Optimizing GDMT
Vishal Rao, MD
- 10:50 HF Management in Advanced Kidney Disease
Chakradhari Inampudi, MD
- 11:20 A Potpourri of Niche Heart Failure Therapies
Adrian Van Bakel, MD, PhD
- 11:50 New Evidence Based Options for HFpEF
Daniel Silverman, MD
- 12:20 Future of Remote Monitoring Technologies in HF
Michael Zile, MD
- 12:50 MOC Assessment
- 1:00 Adjourn for the Day

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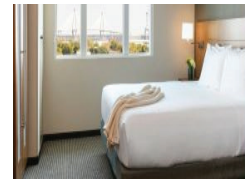
COURSE AGENDA, CONTINUED

Saturday, June 1

- 7:30am Sign in and Breakfast
- 7:25 Join Live Stream Session/Welcome
- 7:30 Bring Your Interesting Cases
- 8:30 Patent Forame Ovale Closure
Christopher Nielsen, M.D.
- 9:00 Hypertrophic Cardiomyopathy Update
Valerian Fernandes, M.D.
- 9:30 Left Atrial Appendage Occlusion
Nicholas Amoroso, M.D.
- 10:00 BREAK with EXHIBITORS
- 10:20 TAVR vs SAVR
Daniel Steinberg, M.D.
- 10:50 Cardiogenic Shock
Jeffrey Yourshaw, M.D.
- 11:20 Treatment of Acute Pulmonary Embolism: Is Anticoagulation Alone a Thing of the Past?
Thomas Todoran, M.D.
- 11:50 Closing Remarks
- 11:55 Adjourn/MOC Assessment
- 12:10 Adjourn until 2025

CONFERENCE HOTEL INFORMATION

The Hyatt Place Hotel
560 King Street
Charleston, SC 29403
(843) 414-4900



A block of rooms has been reserved at the Hyatt Place Charleston, 560 King Street, Charleston, SC 29403. The conference rate is **\$269++** and the room block for conference registrants will be held until **Monday, April 29, 2024**. *The room block may fill prior to April 29, 2024 and availability cannot be guaranteed. We suggest you make your reservation as soon as possible. To make your reservation, please call the hotel at 1-800-993-4751 and reference the Cardiology Conference. You can also make your reservations by going to the following link:*

<https://www.hyatt.com/en-US/group-booking/CHSZH/G-CARL>
or the following QR Code:



Parking: Current Parking fees per day are as follows: Valet Parking rate is currently \$36.00 per day & will be charged to individual guest rooms on a nightly basis. Self-parking is located in the Charleston County Municipal Parking Garage located behind the Hotel. Self-parking is a separate charge paid directly to the garage upon exiting. Current fee is \$20.00 per day, and subject to change.

Make your hotel Reservation before April 29 !

ACCESS TO RECORDED PRESENTATIONS

The MUSC Office of CME, with the permission of each speaker, will be recording each presentation of the conference. The videos will be posted online after the conference and be available for those who are not able to live stream the entire conference. Viewing the videos will offer the same amount of CME credit and can be viewed for up to 14 days following the posting date. The non-refundable fee for this service is \$100.00 and is **only available to individuals registered for the conference**. Access to the videos will be granted to attendees who purchase this option in advance of the conference.

Credit Designation: The Medical University of South Carolina designates this enduring material for a maximum of 2.5 *AMA PRA Category 1 Credit(s)*TM for each section. Physicians should only claim the credit commensurate with the extent of their participation in the activity.

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May 25-27, 2023 • Hyatt Place Hotel, Charleston, South Carolina

REGISTRATION INFORMATION

	On or Before 3/31/2024	On or After 4/1/2024
Physicians in Practice	\$575.00	\$650.00
Residents & All Other Health Professionals	\$475.00	\$550.00

The fee for in-person attendance includes tuition, breaks, online syllabus, and certificates of attendance. The fee for live streaming the meeting includes tuition, online syllabus, and certificates of attendance.

No pre-registrations will be accepted after **May 24, 2024**. 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. Note: There will be an increased rate for on-site registrations!

REGISTRATION METHODS

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

- **Online:** Complete registration through the [Online Registration Portal](#)
- **Mail:** Please send registration form with check payable to "Medical University of South Carolina" or credit card information to: Heidi Callahan, Office of CME - MUSC, 96 Jonathan Lucas Street, HE 601, MSC 754, Charleston, SC 29425
- **Telephone:** 843-876-1925 - Credit card only.
- **Fax:** 843-876-1931 - Credit card only. (Secured area)
- **Email:** Email/Scan Scan completed registration form to cmeoffice@musc.edu

TOUR HISTORIC CHARLESTON AND EXPERIENCE SPOLETO FESTIVAL USA 2024

SPOLETO FESTIVAL USA - MAY 24 - JUNE 9, 2024



Photos © Spoleto Festival USA

"For 17 days and nights each spring, Spoleto Festival USA fills Charleston, South Carolina's historic theaters, churches, and outdoor spaces with performances by renowned artists as well as emerging performers in opera; theater; dance; and chamber, symphonic, choral, and jazz music. Now approaching its 42nd season, Spoleto Festival USA is internationally recognized as America's premier performing arts festival." -SpoletoUSA.org

For more information, call 843-722-2764 or visit spoletousa.org

CHARLESTON, SOUTH CAROLINA

Charleston is America's most beautifully preserved architectural and historic treasure. Formal gardens magnify the beauty of stately old homes and church bells toll the hour as history unfolds around each corner. Browse through Charleston's famous open-air market and marvel at sweetgrass baskets and other crafts. Visit the inviting boutiques, art galleries and antique shops along Meeting and King Streets. Enjoy many of the South's most celebrated restaurants. **Experience Charleston and it's Southern hospitality!**

Voted #1 City in the USA by the readers of Condé Nast Traveler and Travel & Leisure Magazines

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REGISTRATION FORM

Name _____ Personal ID# XXX-XX- _____
(As you would like it printed on your name badge) (Last four digits of your SSN)

Address _____

City _____ State _____ Zip _____

Specialty _____ Degree/Credentials _____

Email _____
(Please provide your active email address to ensure proper receipt of all CME Credit documentation.)

Phone (_____) _____ - _____ Fax (_____) _____ - _____

PLEASE READ THE STATEMENTS BELOW AND CHECK THE BOX IF YOU AGREE TO

- YES I give permission to the MUSC Office of CME to share my name, city, and state with other attendees and the companies that will be exhibiting at and/or supporting the conference through educational grants.
- NO I do not give permission to the MUSC Office of CME to share my name, city, and state with other attendees and the companies that will be exhibiting at and/or supporting the conference through educational grants.

REGISTRATION TYPE

PLEASE SELECT THE REGISTRATION TYPE

In-Person Registration

Virtual Registration

REGISTRATION FEES & METHOD OF PAYMENT

	On or Before 3/31/2024	On or After 4/1/2024
Physicians in Practice	<input type="checkbox"/> \$575.00	<input type="checkbox"/> \$650.00
All Other Health Professionals	<input type="checkbox"/> \$475.00	<input type="checkbox"/> \$550.00

I would like access to the recorded videos for an additional fee of \$100*

YES

NO

*The videos will be posted online after the conference. Viewing the videos will offer the same amount of CME credit and can be viewed for up to 14 days following the posting date

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Enclosed Check Payable to Medical University of South Carolina

MasterCard

Visa

Discover

American Express

Card Number _____

Expiration Date _____

CVV Code _____

Name as it appears on card _____

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

- **Mail** registration form with check made out to "Medical University of South Carolina" or credit card information to:
MUSC Office of CME, 96 Jonathan Lucas Street, HE601, MSC 754, Charleston, SC, 29425
- **Telephone:** (843) 876-1925 – Registration by credit card only.
- **Fax:** (843) 876-1931 – Registration by credit card only.
- **Email:** Scan & email completed registration form to cmeoffice@musc.edu
- **Online:** Complete registration through the [Online Registration Portal](#)



www.musc.edu/cme

CANCELLATION

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