



Mayo Clinic School of Continuous Professional Development



Updates in

CARDIO- ONCOLOGY

Challenges & New Frontiers

**OMNI SCOTTSDALE RESORT AT MONTELUCCIA
SCOTTSDALE, ARIZONA**

FEBRUARY 1–3, 2018

**\$50 DISCOUNT
IF YOU REGISTER
ON OR BEFORE
DEC 3, 2017**

CE.MAYO.EDU/CARDIOONCUPDATE2018

COURSE DESCRIPTION

This course reviews clinically important information regarding the management of cardiac and vascular diseases affecting patients with cancer and cancer survivors. The interactive, practice-based format includes case presentations and state-of-the-art lectures on recent and topical developments in this emerging field. The goal is to improve quality, safety and outcomes for patients within this dynamic and interactive educational experience. The current state of knowledge of common cardiovascular complications such as heart failure (HF), myocardial ischemia, hypertension (HTN), thromboembolism, QT prolongation, and bradycardia is associated with frequently used anticancer medications.

TARGET AUDIENCE

This course is designed for clinical cardiologists, heart failure specialists, oncologists, hematologists, internal medicine specialists, and allied health personnel working in cardiology or hematology-oncology areas.

LEARNING OBJECTIVES

Upon conclusion of this program, participants should be able to:

- Identify diagnostic, clinical, and management options in the care of cancer patients with cardiovascular illness.
- Describe pharmacotherapy for the management strategies in the management of patients with cardiotoxicity.
- Describe follow-up and clinical care within a specialized cardio-oncology program.
- Summarize treatment strategies using a case-based approach.
- Demonstrate a multidisciplinary approach to cardio-oncology patients using current guideline recommendations from ACC, AHA, ESC, ASE and ASCO.

Attendance at this Mayo Clinic course does not indicate nor guarantee competence or proficiency in the performance of any procedures which may be discussed or taught in this course.

REGISTRATION

Register online at:

CE.MAYO.EDU/CARDIOONCUPDATE2018

Registration Fee	On or Before Dec 3	After Dec 3
MD, PhD, DO	\$799 USD	\$849 USD
PA, NP, RN, Residents, Other	\$699 USD	\$749 USD
Echocardiography Workshop	\$350 USD	\$400 USD

Visit the course website for more information on registering and our cancellation policy.



CREDIT

Mayo Clinic College of Medicine and Science is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Mayo Clinic College of Medicine and Science designates this live activity for a maximum of 18.75 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

AOA: This program has been accredited by the American Osteopathic Association for 18.75 credits of AOA Category 2-A.

Other Health Care Professionals: A certificate of attendance will be provided to other health care professionals for requesting credits in accordance with state nursing boards, specialty societies, or other professional associations.

ECHOCARDIOGRAPHY WORKSHOP – FEBRUARY 2, 3:00–5:30 P.M.

An optional hands-on echocardiography workshop will be an individualized training provided by experts using the techniques necessary for early detection of cardiac dysfunction with this relatively novel echocardiography based technology. Attendees will learn measurements at a dedicated station on the nuances of speckle track/strain measurements.

Space is limited. Pre-registration is required.

WORKSHOP OBJECTIVE

Identify the practicalities of accurate and valid measurement of cardiac chambers and novel echocardiographic measures for early detection of cardiotoxicity using strain imaging.

LOCATION AND ACCOMODATIONS

Omni Scottsdale Resort at Montelucia

4949 East Lincoln Drive | Scottsdale, AZ 85253

(480) 627-3200 or (888) 627-3010

A limited block of guest rooms has been reserved for attendees at the special group rate of \$299 (USD) per room, per night plus applicable city and state sales tax, single or double occupancy. Make your reservation before the block fills or the cut-off date of January 10, 2018, reference Mayo Clinic Cardio-Oncology Course. Group rates will apply three days prior to and three days after the course dates based on group room availability. Children younger than the age of 18 will stay complimentary. Resort fee is waived. Guest room high-speed internet, access to fitness center and self-parking is complimentary. Attendees are responsible for their own reservations. For more information and to make your reservations, please visit the course website.



PROGRAM-AT-A-GLANCE

Comprehensive program schedule at:

[CE.MAYO.EDU/CARDIOONCUPDATE2018](https://ce.mayo.edu/CardioOncUpdate2018)

THURSDAY, FEBRUARY 1 • 8:00 A.M. – 5:00 P.M.

- The Journey Paved with Echocardiography
- Cancer Survivorship: Scope of the Problem
- Cardiac Injury Overview
- Cardiovascular Care of the Cancer Survivor
- How to Get Started with Cardio-Oncology
- AL Amyloid
- Cardiac Complications of Bone Marrow Transplant
- Exercise for the Prevention of Cardiac and Skeletal Muscle Toxicity of Anthracycline Chemotherapy
- Transthyretin Cardiac Amyloidosis
- Hypertension and its Challenges in the Cancer Patient
- The Truth: Aspirin and Statin
- Advanced Cardiac Imaging in Cardio-Oncology
- Oncologic Therapies with Cardiac or Vascular Toxicity Risks
- Radiation and Valvular Heart Disease

FRIDAY, FEBRUARY 2 • 8:00 A.M. – 2:50 P.M.

- Vascular Toxicities of Novel Cancer Therapies
- Cardiovascular Stress Testing in the Cancer Patient
- Cancer-Related Venous Thromboembolism Treated with Novel Anticoagulants
- VTE in Cancer
- Immune-Checkpoint Inhibitor Associated Myocarditis
- Myeloma and the Heart
- Cardiac Tumors
- Anthracyclines
- Periprocedural Management of Anticoagulation for Patients with Cancer
- 2D, 3D and 4D Echocardiography
- Strain, Speckle, VVI
- ASE Standard Chamber Quantification
- SPECKLES: How To
- **ECHOCARDIOGRAPHY WORKSHOP • 3:00 – 5:30 P.M.**
(*separate registration required*)

SATURDAY, FEBRUARY 3 • 7:30 A.M. – 12:00 P.M.

- Proton Beam Therapy
- Radiation-Induced Cardiotoxicity
- Defining Radiation Medicated Cardiac Toxicity
- VATS and Pericardial Disease in the Cancer Patient
- Constriction as a Consequence of Cancer Therapy
- Managing Recurrent Pericardial Effusion in the Cancer Patient
- QT Prolongation and Oncology Medications
- Atrial Fibrillation/Anticoagulation
- Advanced Therapies for Chemocardiomyopathy
- Left Atrial Appendage Occlusion

FACULTY

Mayo Clinic Course Directors

Farouk Mookadam, M.B., B.Ch.
Donald W. Northfelt, M.D.

Mayo Clinic Co-Course Directors

Reza Arsanjani, M.D.
Brian W. Hardaway, M.D.
Joerg Herrmann, M.D.
Howard R. Lee, M.D., Ph.D.

Guest Faculty

R. Todd Hurst, M.D.
*Banner Health
Phoenix, Arizona*

Javid. J. Moslehi, M.D.
*Vanderbilt-Ingram Cancer Center
Nashville, Tennessee*

A. Jamil Tajik, M.D.
*Aurora Health Care
Milwaukee, Wisconsin*

Matt M. Umland, R.D.C.S., F.A.S.E.
*Aurora Health Care
Milwaukee, Wisconsin*

Mayo Clinic Faculty

Siddhartha S. Angadi, Ph.D.	Siva K. Mulpuru, M.D.
Christopher P. Appleton, M.D.	Joshua R. Niska, M.D.
Jonathan B. Ashman, M.D., Ph.D.	Jeanne M. Palmer, M.D.
Ronald J. Buono, R.D.C.S.	Mahesh Seetharam, M.D.
William K. Freeman, M.D.	Fadi E. Shamoun, M.D.
Martha Grogan, M.D.	Carlos E. Vargas, M.D.
Sandra M. Herrmann, M.D.	Hector R. Villarraga, M.D.
Dawn E. Jaroszewski, M.D.	Susan Wilansky, M.D.
Christopher B. Kendall, R.D.C.S.	Waldemar E. Wysokinski, M.D., Ph.D.
Carolyn M. Larsen, M.D.	Eric J. Yancey, Pharm.D., R.Ph.
Lisa A. McGee, M.D.	Eric H. Yang, M.D.
Joseph R. Mikhael, M.D.	



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