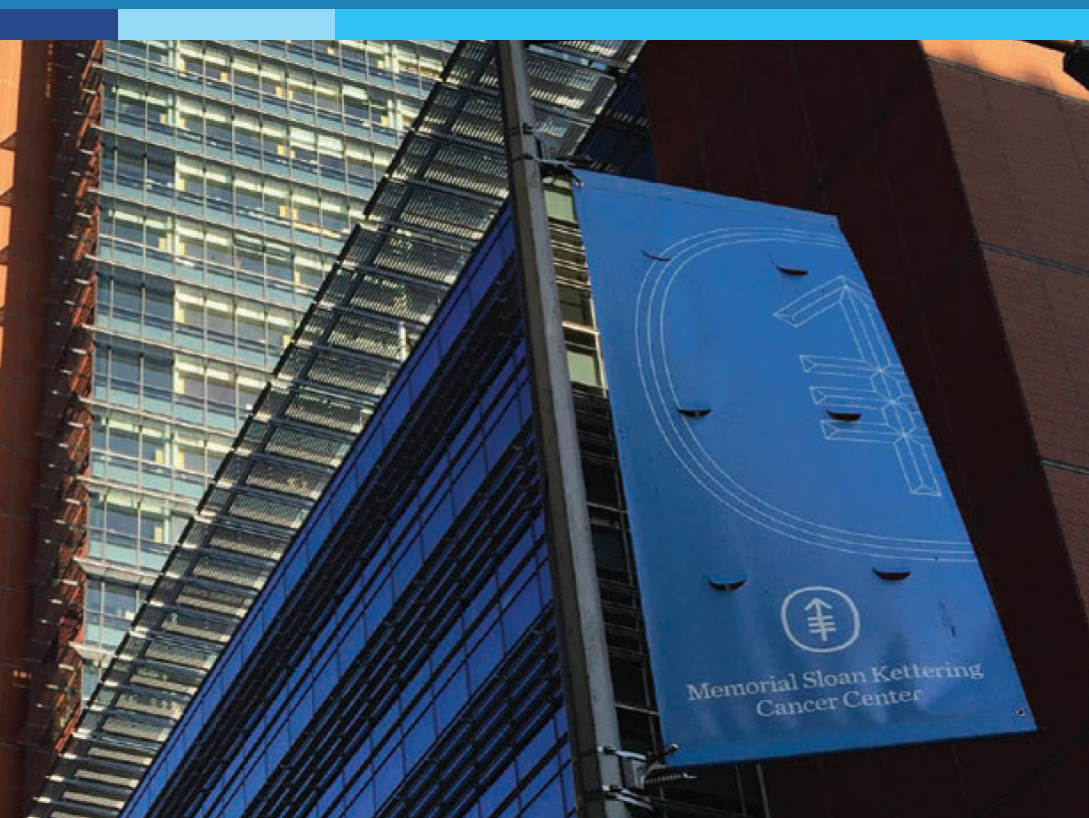




Memorial Sloan Kettering  
Cancer Center

# A Comprehensive Approach to Cardiovascular Health and Disease During and After Cancer Therapy:

A CASE BASED CURRICULUM



## APRIL 29-30, 2016

Conference Location:

**MEMORIAL SLOAN KETTERING CANCER CENTER**

Zuckerman Research Center

417 East 68th Street, New York, NY 10065

## Course Overview

Over the past decade, the cardiovascular care of patients with cancer has evolved as a subspecialty driven by novel therapies that can cure or control cancer, particularly because many patients are now living long enough to experience the potential cardiotoxic effects of these new treatments. The purpose of this conference is to provide a case-based curriculum that addresses important clinical topics relevant to the management of the cardiovascular health of patients with cancer. Experts from Memorial Sloan Kettering Cancer Center and around the country will present an up-to-date overview on the evaluation and management of heart disease in cancer patients covering early diagnosis, treatment and long-term surveillance. All presentations will include devoted time to permit interaction between audience members and presenters.

### EDUCATIONAL OBJECTIVES

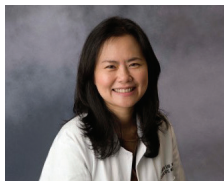
*By the end of this course, participants will be able to:*

- Describe the cardiotoxic regimens used in cancer treatment including novel targeted therapies
- Explain the principles of surveillance, primary prevention and treatment of underlying cardiovascular diseases during cancer therapies
- State specific examples of cardiovascular challenges during cancer therapy
- Summarize existing recommendations regarding cardiac monitoring during and post cancer therapy and develop an understanding of the newer methods of cardiotoxicity monitoring

### TARGET AUDIENCE

This course is intended for cardiologists, internists, hematologists/oncologists and other affiliated healthcare professionals who are involved in the care of cancer patients or have a special interest in this area.

## MSKCC COURSE DIRECTORS



**Jennifer Liu MD**

Director of Cardiovascular Laboratories  
Memorial Sloan Kettering Cancer Center  
Associate Professor of Clinical Medicine  
Weill Cornell Medical Center



**Richard Steingart MD**

Chief, Cardiology Service  
Memorial Sloan Kettering Cancer Center  
Professor of Medicine  
Weill Cornell Medical Center

## MSKCC FACULTY

**Michael Baum MD**  
Cardiology Service

**Carol Chen MD**  
Cardiology Service

**Chau Dang MD**  
Breast Oncology Service

**Dipti Gupta MD**  
Cardiology Service

**Michelle Johnson MD**  
Cardiology Service

**Elton Mara RDMS**  
Echocardiography Lab

**Simon Mantha MD**  
Benign Hematology Service

**Eileen McAleer MD**  
Cardiology Service

**Kevin Oeffinger MD**  
Survivorship Center

**Nancy Roistacher MD**  
Cardiology Service

**Wendy Schaffer MD**  
Cardiology Service

**Howard Weinstein MD**  
Cardiology Service

**Anthony Yu MD**  
Cardiology Service

## INVITED FACULTY

**Usman Baber MD**  
Mt. Sinai Hospital

**Ana Barac MD**  
MedStar Washington Hospital Center

**Joseph Carver MD**  
Hospital of the University  
of Pennsylvania

**Jim Cheung MD**  
Weill Cornell Medical Center

**Stephan Danik MD**  
Mt. Sinai St. Luke's Hospital

**Bonnie Ky MD**  
Hospital of the University  
of Pennsylvania

**Dan Lenihan MD**  
Vanderbilt University Medical Center

**Jagat Narula MD PhD MACC**  
Mt. Sinai Hospital

**Bruce Lytle MD**  
Baylor-Plano Heart Hospital

**Ileana Pina MD**  
Montefiore Hospital/Albert Einstein  
Medical Center

**Marielle Scherrer-Crosbie MD**  
Massachusetts General Hospital

**Jessica Scott PhD**  
NASA Johnson Space Center

**Nonniekaye Shelburne MS**  
National Cancer Institute

**Jonathan Weinsaft MD**  
Weill Cornell Medical Center

**Edward Yeh MD**  
The University of Texas  
MD Anderson Cancer Center

# Course Agenda

## Friday, April 29, 2016

**7:00am** Registration and Continental Breakfast

**8:00am** Medical Grand Rounds:  
**New Insights Into an Old Problem: Adriamycin Cardiac Toxicity**  
*Edward Yeh MD*

**9:00am** Introduction & Overview  
*Jennifer Liu MD, Richard Steingart MD*

**9:10am** Welcome  
*Philip Kantoff MD*

### DEFINING CLINICAL PROBLEMS

**9:15am** Heart Disease in Cancer Patients – Why is it so Important Now?  
*Richard Steingart MD*

**9:35am** Cancer Therapy Induced Heart Failure: Do the  
Traditional Paradigms Apply?  
*Ileana Pina MD*

**9:55am** Trastuzumab and Cardiac Monitoring in Breast Cancer:  
Recommendations and Controversy  
*Anthony Yu MD*

**10:15am** Radiation Induced Cardiotoxicity  
*Dipti Gupta MD*

**10:35am** Panel Discussion/Questions  
*Moderators: Joseph Carver MD, Edward Yeh MD*

**10:50am** Break

**11:05am** Cardiopulmonary Complications in Adult Survivors  
of Childhood Cancer  
*Kevin Oeffinger MD*

**11:25am** Cardiotoxicity from the Perspective of an Oncologist  
*Chau Dang MD*

**11:45am** Cancer Associated Arterial and Venous Thromboembolism:  
Advances in Prevention and Treatment  
*Simon Mantha MD*

**12:05pm** Panel Discussion/Questions  
*Moderators: Jennifer Liu MD, Richard Steingart MD*

**12:20pm** Lunch

### EVALUATION AND MANAGEMENT OF CARDIAC DISEASE DURING CANCER THERAPY

**1:20pm** Cardioprotective Strategies: Can We Prevent Treatment  
Related Cardiovascular Disease?  
*Michael Baum MD*

**1:40pm** Cardiac Monitoring During and Post Cancer Treatment:  
What is Appropriate?  
*Marielle Scherrer-Crosbie MD*

## **Friday, April 29, 2016**

- 2:00pm**      **Challenges in the Management of LV Dysfunction, Arrhythmias, HTN and Ischemia During Cancer Therapy**  
*Carol Chen MD*
- 2:20pm**      **Aerobic Exercise in Cancer Patients**  
*Jessica Scott PhD*
- 2:40pm**      **Panel Discussion/Questions**  
*Moderators: Anthony Yu MD, Richard Steingart MD*
- 3:00pm**      **Break**
- IMAGING MODALITIES FOR CARDIOVASCULAR MANAGEMENT DURING CANCER THERAPY**
- 3:15pm**      **Cardiotoxicity Monitoring: Is LVEF Enough?**  
*Jennifer Liu, MD*
- 3:35pm**      **When Should I Order a Cardiac MRI?**  
*Jonathan Weinsaft MD*
- 3:55pm**      **Early Identification of Subclinical Cardiac Toxicity– The Role of Biomarkers and Non-Invasive Imaging**  
*Bonnie Ky MD*
- 4:15pm**      **How to Set Up a Cardio-Oncology Lab**  
*Eileen McAleer MD*
- 4:35pm**      **Questions/Panel Discussion**  
*Moderators: Marielle Scherrer-Crosbie MD, Anna Barac MD*
- 4:55pm**      **Break**
- 5:00pm**      **Interesting Cases from Audience/Faculty**  
*Chair: Joseph Carver MD*  
*Discussants: Michelle Johnson MD, Nancy Roistacher MD, Dipti Gupta MD, Anthony Yu MD*
- 5:30pm**      **Strain and 3D – Practical Workshop: Tips on Image Acquisition and Interpretation**  
*Nancy Roistacher MD, Elton Mara RDMS, Jennifer Liu MD*
- 6:30pm**      **Adjourn**



## Saturday, April 30, 2016

7:00am Continental Breakfast

### CARDIOVASCULAR CHALLENGES IN CANCER PATIENTS

8:00am **Cardiovascular Toxicity of TKIs/VSPI: What the Clinician Needs to Know**

*Daniel Lenihan MD*

8:20am **How to Manage 5FU Induced Chest Pain Syndrome**

*Wendy Schaffer MD*

8:40am **Medical and Interventional Management of Acute and Chronic Coronary Artery Disease in Cancer Patients**

*Usman Baber MD*

9:00am **Cardiac Surgery in Patients with Radiation Associated Heart Disease**

*Bruce Lytle MD*

9:20am **Panel Discussion/Questions**

*Moderators: Richard Steingart MD, Carol Chen MD*

9:40am **Break**

10:00am **Perioperative Cardiovascular Evaluation and Management of Patients Undergoing Cancer Surgery**

*Howard Weinstein MD*

10:20am **QT Prolongation and QT Induced Torsades During Cancer Therapy**

*Stephan Danik MD*

10:40am **Management of Arrhythmia During Cancer Therapy**

*Jim Cheung MD*

11:00am **Panel Discussions/Question**

*Moderators: Jennifer Liu MD, Anthony Yu MD*

11:20am **Break**

### FUTURE OF CARDIO-ONCOLOGY

11:25am **Cardio-Oncology Training Program**

*Michelle Johnson MD*

11:45am **Cardiology and Oncology Collaborative Care: Establishing a Cardio-Oncology Clinic**

*Ana Barac MD*

12:05pm **Special Lecture**

"What is the Role of the Leading General Cardiology Journal in Promulgating Subspecialty Knowledge to the Cardiology Community? My Experience as Editor of the JACC"

*Jagat Narula MD PhD MACC*

12:25pm **Cardio-Oncology Research Initiative**

*Nonniekaye Shelburne MS*

12:35pm **Panel Discussion/Questions**

*Moderator: Richard Steingart MD, Dan Lenihan MD*

12:50pm **Closing Remarks**

*Jennifer Liu MD*

1:00pm **Adjourn**



# REGISTRATION

## EARLY\*

\$150

## GENERAL

\$200

MDs, PhDs and DOs

\$105

\$140

MSK Alliance and MSK Alumni

\$30

\$50

Students, Residents, Fellows, RNs and PA/NPS

\*Deadline for early registration is April 1, 2016.

To register, please go to:

[www.mskcc.org/cardio-onc](http://www.mskcc.org/cardio-onc)

Registration includes continental breakfast and refreshment breaks. Special meals are available upon request, including vegetarian, kosher, or gluten-free. Please let us know if we can assist you with any special dietary needs.

The registration fee is waived for all MSK staff. However, you must register for the course by visiting the Continuing Medical Education page on OneMSK.

## CONTACT

Office of Continuing Medical Education  
Memorial Sloan Kettering Cancer Center  
633 Third Avenue, 12th Floor  
New York, New York 10017  
[cme@mskcc.org](mailto:cme@mskcc.org)

 /MSKCME

 @MSKCME

### TARGET AUDIENCE

This course is intended for cardiologists, internists, hematologists/oncologists and other affiliated healthcare professionals who are involved in the care of cancer patients or have a special interest in this area.

### COURSE DESIGN

This course is comprised of lectures and interactive audience participation encouraging the intellectual exchange of ideas between faculty and participants.

### ACCREDITATION STATEMENT

MSK is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

### AMA CREDIT DESIGNATION STATEMENT

Memorial Sloan Kettering Cancer Center designates this live activity for a maximum of **13.25 AMA PRA Category 1 Credits™**. Physicians should only claim credit commensurate with the extent of their participation in the activity. The AMA has determined that physicians not licensed in the United States but who participate in this CME activity are eligible for **13.25 AMA PRA Category 1 Credits™**.

### EVALUATION

A course evaluation survey sent out electronically will provide attendees with the opportunity to review the sessions and the speakers and to identify future educational needs.

### OUTCOMES MEASUREMENT SURVEY

Six months after the end of the course an Outcomes Measurement Survey will be sent to all participants to help us determine what positive impacts have been made on participant practice as a result of the course.

### FACULTY DISCLOSURE

It is the policy of MSK to make every effort to insure balance, independence, objectivity, and scientific rigor in all continuing medical education activities which it sponsors as an ACCME accredited provider. In accordance with ACCME guidelines and standards, all faculty participating in an activity sponsored by MSK are expected to disclose any significant financial interest or other relationship with the manufacturer(s) of any commercial product(s) and/or provider(s) of commercial services which are discussed by the faculty members in an educational presentation. As required by the ACCME, when an unlabeled use of a commercial product or an investigational use not yet approved for any purpose is discussed during an educational activity, MSK requires the speaker to disclose that the product is not labeled for the use under discussion or that the product is still investigational.

### ACCOMMODATIONS

For information on hotels in the area of MSKCC with discounted rates, please visit: [www.mskcc.org/accommodations](http://www.mskcc.org/accommodations).