2017 MSK Cardio-Oncology Symposium
Cardiovascular Health and Disease During and After Cancer Therapy
A CASE-BASED CURRICULUM

Friday-Saturday, May 12-13, 2017
Memorial Sloan Kettering Cancer Center
Rockefeller Research Laboratories
430 East 67th Street
New York, NY 10065
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 patients, allowing many patients to be living long enough to experience the potential cardiotoxic effects of these treatments. The purpose of this conference is to provide a case-based curriculum that addresses important clinical topics relevant to the cardiovascular health of patients with cancer. Clinical experts from Memorial Sloan Kettering Cancer Center and around the country will present an up-to-date overview on the best practice strategies in the evaluation and management of heart disease in cancer patients from early diagnosis, treatment and long-term surveillance. All presentations will include devoted time to permit interaction between audience members and presenters.

LEARNING LAB
There will be a separate hands on, computer-based session on advanced echo imaging techniques of strain imaging and 3D quantification of left ventricular function in cardio-oncology.

Space limited to 50 participants.

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 OBJECTIVES

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

• State the commonly used cancer therapy regimens associated with cardiotoxicity including novel targeted therapies.

• Recognize the cardiovascular concerns with conventional and newer targeted therapy used to treat cancer and the timeline of cardiotoxicity manifestation.

• State specific examples of cardiovascular challenges during cancer therapy.

• Illustrate the utility of preclinical biomarkers and imaging modalities for cardiotoxicity monitoring.

• Define the strengths and weaknesses of each imaging technique in the detection and prediction of cardiotoxicity.

• Describe primary and secondary prevention of cardiovascular disease in cancer patients during and after cancer therapy.

• Discuss the implementation of cardio-oncology practice guidelines to formulate best practice strategies.

• State the goals and principles of a multidisciplinary team in cardio-oncology and the approach to building a cardio-oncologic clinic.

• Evaluate the impact of cardio-oncology specialty care in the overall cardiovascular outcome of patients with cancer.

Join the Conversation!

#MSKCardioOncCME
Course Faculty

MSK COURSE DIRECTORS

Jennifer Liu, MD
Richard M. Steingart, MD

MSK FACULTY

Michael Baum, MD
Carol Chen, MD
Paul Cohen, MD, PhD
Chau Dang, MD
Dipti Gupta, MD, MPH
Michelle Johnson, MD, MPH
Eileen McAleer, MD
Nancy Roistacher, MD
Wendy Schaffer, MD, PhD
Jessica Scott, PhD
Gerald Soff, MD
Susan Slovin, MD, PhD
Howard Weinstein, MD
Anthony Yu, MD

INVITED FACULTY

Saro Armenian, DO
City of Hope Medical Center
Usman Baber, MD
Mt. Sinai Hospital
Ana Barac, MD, PhD
Washington Hospital
Ann Blaes, MD
University of Minnesota
Stephan Danik, MD
Mt. Sinai Beth Israel Hospital
Susan Dent, MD
University of Ottawa
Christopher Lau, MD
Weill Cornell Medical Center
Daniel Lenihan, MD
Vanderbilt University Medical Center
Steven Lipshultz, MD
Wayne State University
Javid Moslehi, MD
Vanderbilt University Medical Center
Ileana Pina, MD, MPH
Montefiore Hospital/Albert Einstein
Marielle Scherrer-Crosbie, MD, PhD
University of Pennsylvania
Jonathan Weinsaft, MD
Weill Cornell Medical Center
<table>
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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00 am</td>
<td>REGISTRATION &amp; BREAKFAST</td>
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<tr>
<td>8:00 am</td>
<td><strong>Department of Medicine Grand Rounds</strong></td>
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<tr>
<td></td>
<td>The Quest to Improve Chemotherapy while Minimizing Cardiotoxicity</td>
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<td>Steven Lipshultz, MD</td>
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<tr>
<td>9:00 am</td>
<td>Introduction &amp; Overview</td>
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<td>Jennifer Liu, MD</td>
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<td>Richard Steingart, MD</td>
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**SESSION I**  
**Defining Clinical Problems**  
**MODERATOR**  
Michelle Johnson, MD, MPH

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<th>Time</th>
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<tbody>
<tr>
<td>9:10 am</td>
<td>Heart Disease in Cancer Patients – Why Is It So Important Now?</td>
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<td>Richard Steingart, MD</td>
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<tr>
<td>9:30 am</td>
<td>Optimizing Outcomes When Treating Breast Cancer with Cardiotoxic Therapies</td>
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<td>Chau Dang, MD</td>
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<td>9:50 am</td>
<td>Late Onset Cardiotoxicity in Adult Survivors of Childhood Cancer: Incidence, Risk Factors and Individual CV Risk Prediction</td>
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<td>Saro Armenian, DO</td>
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<tr>
<td>10:10 am</td>
<td>Cancer Therapy Induced Heart Failure: Do the Traditional Paradigms Apply?</td>
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<td>Ileana Pina, MD, MPH</td>
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<td>10:30 am</td>
<td>Panel Discussion &amp; Questions</td>
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<td>10:50 am</td>
<td>BREAK &amp; REFRESHMENTS</td>
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**SESSION II**  
**Cardiotoxicity of Cancer Treatment**  
**MODERATOR**  
Howard Weinstein, MD

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<tr>
<td>11:10 am</td>
<td>Radiation Induced Cardiotoxicity – Why Worry?</td>
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<td>Dipti Gupta, MD, MPH</td>
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<td>11:30 am</td>
<td>Cardiotoxicity of Established and Emerging Cancer Drugs Beyond Adriamycin: Practical Tips on Management</td>
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<td>Javid Moslehi, MD</td>
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**Keynote Lecture**

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<tr>
<td>11:50 am</td>
<td>Cardio-Oncology: Past, Present and Future. How to Make a Difference in Patient Care</td>
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<td>Daniel Lenihan, MD</td>
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<tr>
<td>12:10 pm</td>
<td>Panel Discussion &amp; Questions</td>
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<td>12:30 pm</td>
<td>LUNCH</td>
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SESSION III
Evaluation and Management of Cardiovascular Disease During and After Cancer Therapy

MODERATOR: Javid Moslehi, MD

1:30 pm  Trastuzumab and Cardiac Monitoring in Breast Cancer: Current Recommendations
         Anthony Yu, MD

1:50 pm  Challenges in the Management of LV Dysfunction, Arrhythmias, HTN and Ischemia During Cancer Therapy
         Carol Chen, MD

2:10 pm  Thrombosis in Cancer Patients: Prevention and Treatment
         Gerald Soff, MD

2:30 pm  How to Manage 5FU Induced Chest Pain Syndrome
         Wendy Schaffer, MD, PhD

2:50 pm  Amyloid, Carcinoid and Pheochromocytoma
         Jennifer Liu, MD

3:10 pm  Newest ASCO Cardio-Oncology Practice Guideline: Key Take Home Points
         Saro Armenian, DO

3:30 pm  Panel Discussion & Questions

4:00 pm  BREAK & REFRESHMENTS

SESSION IV
Imaging and Preclinical Markers for Cardiotoxicity Monitoring

MODERATOR: Nancy Roistacher, MD

4:15 pm  Is 2D LVEF enough? The Role of Biomarker, Strain Imaging and 3D Echocardiography
         Marielle Scherrer-Crosbie, MD, PhD

4:35 pm  MRI in Cardio-Oncology: Evaluation of Cardiac Masses and Myocardial Disease
         Jonathan Weinsaft, MD

4:55 pm  Relevance of Nuclear Imaging to Cardio-Oncology
         Richard Steingart, MD

5:15 pm  I am a Clinician, Make it Simple: What Echo Thresholds Do I Choose for Therapeutic Interventions
         Jennifer Liu, MD

5:35 pm  Panel Discussion & Questions

5:55 pm  ADJOURN
Scientific Agenda | May 13, 2017

7:00 am  REGISTRATION & BREAKFAST

7:55 am  Day II Welcome
Richard Steingart, MD
Jennifer Liu, MD

8:00 am  Understanding the Role of Androgen Deprivation Therapy in Prostate Cancer Including the Potential for Cardiac Toxicity
Susan Slovin, MD, PhD

SESSION V
Preventive Care in Cardio-Oncology
MODERATOR  Michael Baum, MD

8:20 am  Common Risk Factors Between Cancer and Cardiovascular Disease
Ann Blaes, MD

8:40 am  Protective Role of Aerobic Exercise: Can it Mitigate Cardiotoxicity and Improve Outcomes?
Jessica Scott, PhD

9:00 am  Cardiometabolic Issues in Cardio-Oncology
Paul Cohen, MD, PhD

9:20 am  Transitioning into Survivorship Care: the Role of the PCP
Ann Blaes, MD

9:40 am  Panel Discussion & Questions

10:00 am  BREAK & REFRESHMENTS

SESSION VI
Cardiovascular Interventional Subspecialties in Cancer Patients
MODERATOR  Eileen McAleer, MD

10:20 am  Interventional Cardiologist: Medical and Interventional Management of Acute and Chronic Coronary Artery Disease, and TAVR in Cancer Patients
Usman Baber, MD

10:40 am  CV Surgeon: Advanced Cardiac Procedures in Cancer Patients: Bypass, Valve Replacement, TAVR, LVAD, Transplant
Christopher Lau, MD

11:00 am  Electrophysiologist: Management of Arrhythmia During and After Cancer Therapy
Stephan Danik, MD

11:20 am  Panel Discussion & Questions

SESSION VII
Building the Team: The Cardio-Oncology Program
MODERATOR  Richard Steingart, MD

11:40 am  Establishing a Cardio-Oncologic Clinic
Susan Dent, MD

12:00 pm  Cardio-Oncology Subspecialty: ACC Initiatives. How to Get Involved
Ana Barac, MD, PhD

12:20 pm  Panel Discussion & Questions

12:35 pm  Closing Remarks & Adjourn
Jennifer Liu, MD

Advanced Echo Imaging Learning Lab (Optional)

2:00 pm  Computer Based, Hands-On Session on Strain and 3D EF Analysis
Jennifer Liu, MD & Faculty

4:00 pm  ADJOURN
Registration includes continental breakfast, lunch and refreshment breaks. Please contact us at least one week prior to the course if you have any special dietary needs.

**30% Discounted Rate for MSK Alumni and MSK Alliance Members**
MSK offers a discounted rate to all MSK Alumni and MSK Alliance members to attend a CME course. Please contact cme@mskcc.org for more information or to register.

**MSK Staff Registration**
Registration is complimentary for MSK staff who wish to attend this course. However, you must register online by visiting the course website, www.mskcc.org/cardio-onc.

**Learning Lab (Optional Add-On)**
There will be a separate hands on, computer-based session on advanced echo imaging techniques of strain imaging and 3D quantification of ventricular function in cardio-oncology. Sign up online during course registration; space is limited to 50 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**
MSK designates this live activity for a maximum of 14.50 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 14.50 AMA PRA Category 1 Credits™.

**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 travel information, including hotels in the area of MSK with discounted rates, please visit: www.mskcc.org/cme.

**CONTACT**
Continuing Medical Education
Memorial Sloan Kettering Cancer Center
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New York, NY 10017
www.mskcc.org/cme
cme@mskcc.org

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***Register online at:***
www.mskcc.org/cardio-onc

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<tr>
<th>Registration Type</th>
<th>EARLY Before 3/12/17</th>
<th>GENERAL After 3/12/17</th>
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<tbody>
<tr>
<td>Physicians (MDs, PhDs &amp; DOs)</td>
<td>$325</td>
<td>$375</td>
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<tr>
<td>Residents, Fellows &amp; Other Healthcare Professionals</td>
<td>$150</td>
<td>$200</td>
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<td>Industry Members*</td>
<td>$650</td>
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<td>Learning Lab (Optional Add-On)</td>
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*Industry Members: Registration is for educational purposes only. Marketing, sales, and promotion of products and services are prohibited at CME activities.