

# 2019 MSK CARDIO-ONCOLOGY SYMPOSIUM



**MAY 17-18, 2019**

Memorial Sloan Kettering Cancer Center  
Rockefeller Research Laboratories  
New York



Memorial Sloan Kettering  
Cancer Center

# OVERVIEW

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Cardio-oncology is a burgeoning field that has great importance as newly developed cancer treatment improve cancer survival. With novel treatments come new or unexpected cardiovascular toxicities as many cancer survivors are now living enough to experience the potential cardiotoxic effects of these treatments.

The purpose of this conference is to provide a state-of-the-art, comprehensive, 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 cutting edge cancer therapies and 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.

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.

## EDUCATIONAL OBJECTIVES

- Describe the cardiotoxic regimens used in cancer treatment including novel targeted therapies
- Identify patients at high cardiovascular risk prior to planned oncologic treatment
- Construct cardioprotective strategies prior, during and after cancer therapy
- Explain the principles of surveillance and the incorporation of current guidelines on cardiotoxicity monitoring into clinical practice.
- Describe primary and secondary prevention of cardiotoxicity
- Explain the appropriate use of non-invasive imaging modalities for cardiotoxicity monitoring; the strengths and weaknesses of each modality including echocardiography, MUGA, CMR and CTA.
- State the late cardiovascular sequelae of cancer and its treatment
- Describe the importance of the multi-disciplinary cardio-oncology team

# ECHOCARDIOGRAPHY LEARNING LAB

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There will be an optional computer-based session which will provide participants a personalized hands-on experience in Global Longitudinal Strain (GLS) performance and analysis.

The aim of the learning lab is to provide participants personalized hands-on experience in GLS performance and analysis. Following an introductory lecture on the clinical application of strain, participants will analyze real cases pre-loaded on their own computer workstation under the supervision of the faculty. A step-by-step how to perform and analyze 2D GLS will be demonstrated. Tips on acquiring optimal 2D images for speckle tracking and how to measure GLS accurately will be discussed with examples of common pitfalls to avoid. Seating is limited to allow each participant sufficient opportunity to interact with faculty.

## EDUCATIONAL OBJECTIVES

- State the methodology behind speckle tracking and the utility of GLS in clinical practice.
- Demonstrate how to acquire 2D images for GLS measurement
- Perform GLS analysis and discuss common pitfalls to avoid

## MSK COURSE DIRECTORS

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### **Jennifer Liu, MD**

Director, Cardiovascular Laboratories  
Attending Physician  
Memorial Sloan Kettering Cancer Center  
Associate Professor of Medicine  
Weill Cornell Medical College



### **Richard M. Steingart, MD**

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

*A complete faculty list will be available soon.*

*For course updates, visit [mskcc.org/Cardio-Onc](https://mskcc.org/Cardio-Onc).*

# PRELIMINARY SCHEDULE

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**Friday, May 17, 2019**

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## KEYNOTE LECTURE

### **The State of Cardio-Oncology in 2019**

A Review of the Past, Present and Future

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## SESSION I

### **Best Practice Strategies to Optimize Outcomes**

- Cardio-Oncology Clinical Practice Guidelines: Key Take Home Messages

#### **Breast Cancer**

- Contemporary Breast Cancer Therapy – Anthracyclines, HER2 targeted therapy and Other Treatments
- Cardiotoxicity Associated with Breast Cancer Treatment: Risk Prediction and Preventative Strategies
- Managing CV issues During and After Breast Cancer Treatment
- Case Review; Discussion/Q & A

#### **Immunotherapy**

- Immunotherapy: Understanding Antitumor Immunity and Moving the Field Forward
  - CAR T-cell Therapy: What, How, For Whom? Understanding the Potential Toxicities
  - Immunotherapy Associated Myocarditis – Detection and Treatment Strategies
  - Case Review; Discussion/Q & A
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## SESSION II

### **Vascular Complications in Patients with Cancer**

- Venous Thromboembolism in Cancer Patients: Prevention and Treatment
  - VSPI and Adverse Cardiovascular Effects – HTN, LV Dysfunction and Thromboembolism
  - Chemotherapeutic Agents Associated Coronary Ischemia
  - Cardiovascular Effects of Androgen Deprivation Therapy in Prostate Cancer Patients
  - QA/Panel Discussion
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### SESSION III

#### **Amyloidosis: Contemporary Diagnosis and New Advances in Treatment**

- Amyloidosis Overview. Cardiac Amyloidosis: Epidemiology, Presentation, Diagnosis
  - Contemporary Management of AL amyloidosis
  - Emerging Treatments for TTR Cardiac Amyloid
  - Panel Discussion/QA
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### SESSION IV

#### **Radiation and the Heart**

- Radiation Therapy. Strategies to Minimize Radiation Induced Cardiotoxicity - Past, Present and Future
  - Cardiovascular Complications of Radiation
  - Cardiac Surgery in Patients with Radiation Associated Heart Disease
  - Panel Discussion /QA
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### SESSION V

#### **Challenging Cases - Discussing with the Experts**

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## **Saturday, May 18, 2019**

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Opening Remarks/Day 1 Review

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### KEYNOTE LECTURE

#### **Prevention in Cardio-Oncology**

How to Mitigate Cardiotoxicity -  
Role of Exercise, Statin and Cardioprotective Agents Lessons  
(Learned From Survivors of Childhood Cancer)

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### SESSION VI

#### **Imaging in Cardio-Oncology/ Preclinical Markers of Cardiotoxicity**

- Role of Echo in clinical decision making for patients during and after cancer therapy.
  - Is 2D Echo LVEF enough? The role of serum biomarker, strain imaging, 3D echo and cardiac MRI
  - Multimodality Imaging of Cardiac Masses
  - The QT Interval Conundrum in Patients with Cancer. How to and Why Measure QT Interval?
  - Panel Discussion/QA
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## SESSION VII

### Cardiovascular Considerations in Hematologic Malignancies

- Understanding Stem Cell/Bone Marrow Transplant
- Common CV Issues Encountered during Bone Marrow Transplant
- Treatment of Multiple Myeloma - Cardiac Safety with Proteasome Inhibition and Immunomodulatory Drugs
- QA/Panel Discussion

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## SPECIAL LECTURE

### From Bench to Bedside

Clonal Hematopoiesis of Indeterminate Potential (CHIP):  
A New Risk Factor of Cardiovascular Disease?

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## SESSION VIII

### Cardiovascular Challenges in Cancer Patients

#### Clinical conundrums

- Medical and interventional management of acute and chronic CAD
- Atrial Fibrillation in Cancer - Does the CHADS score apply?
- Stroke Unique to Patients with Cancer
- Questions/Panel Discussion

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## SESSION IX

### Survivorship

- Cancer Survivorship Clinic: Essential Components of Care
- Late Onset Cardiotoxicity in Adult Survivors of Childhood Cancer: Incidence, Risk Factors and Individual CV Risk Factor Prediction
- How to Code and Bill for Cardio-Oncology
- Panel Discussion/QA

### Echocardiography Learning Lab

Hands-On Workshop:

How to Perform and Analyze Global Longitudinal Strain

**Space is limited; registration required.**

# REGISTRATION

REGISTRATION FEES	EARLY*	GENERAL
Physicians (MDs, PhDs and DOs)	\$425	\$525
Residents, Fellows, Nurses and Other Healthcare Providers	\$250	\$350
Industry Professionals**	\$825	\$925
Learning Lab (seperate registration required)	\$175	\$175

**\*Early Registration expires March 17, 2019**

\*\*Industry professionals may attend MSK CME activities for their own education. Marketing, sales, and promotion of products and services is strictly prohibited at MSK CME activities.

## Register Online: [mskcc.org/Cardio-Onc](https://mskcc.org/Cardio-Onc)

Course registration includes continental breakfast, lunch, and refreshment breaks. Please contact [cme@mskcc.org](mailto:cme@mskcc.org) at least one week prior to the course if you have any special dietary requests or require any specific accommodations.

- **If you register for the 2019 MSK Cardio-Oncology Symposium, you will receive a \$50 discount code for this workshop in your email confirmation.** Please complete registration for the 2019 Cardio-Oncology Symposium first and then register for the Learning Lab. Please note there is a waitlist for MSK employees.
- **MSK CME offers a 30% discounted rate for MSK Alumni, MSK Cancer Alliance and Cancer Care Partners.** If you are a member of one of these groups, please contact [cme@mskcc.org](mailto:cme@mskcc.org) for more information.
- **MSK employee registration is complimentary.** However, you must complete course registration in order to attend this course.

### Conference Location

Rockefeller Research Laboratories  
430 East 67th Street  
New York, NY 10065

### Accommodations

MSK has negotiated special rates and amenities at select hotels in Manhattan. For information on hotels in the vicinity of MSK with discounted rates, please visit: [mskcc.org/cme](https://mskcc.org/cme).

### Contact

Memorial Sloan Kettering Cancer Center  
Office of Continuing Medical Education  
[mskcc.org/cme](https://mskcc.org/cme)  
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