



Icahn  
School of  
Medicine at  
Mount  
Sinai

# 15th Annual ECHO New York

## October 10-12, 2015

### COURSE DIRECTOR

Farooq A. Chaudhry, MD, FACP, FACC, FASE, FAHA

### CO- DIRECTOR

Jagat Narula, MD, PhD, MACC

### LOCATION

Crowne Plaza Times Square  
1605 Broadway  
(between 48 & 49th Streets)  
New York, NY

### Co-Sponsored



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## PROGRAM DESCRIPTION

Basic echocardiography will be reviewed and the latest advances in echocardiography will be demonstrated through lecture, live demonstrations and case studies. Participants will be exposed to principles of imaging, exercise and pharmacological stress, contrast, harmonics, Doppler tissue imaging, strain, strain rate, cardiac resynchronization and 2D, 3D and 4D transesophageal echocardiography, valvular, coronary, myocardial and congenital heart disease. Case studies will be interspersed throughout each lecture to emphasize the importance and clinical utility of each technique discussed.

## EDUCATIONAL OBJECTIVES

- Describe the basic physics of ultrasound and Doppler echocardiography.
- Identify the basic role of echocardiography to evaluate valvular and myocardial diseases, with an emphasis on newer imaging modalities.
- Evaluate the role of echocardiography in patients presenting with stroke for cardio version and for evaluation of patients with endocarditis, tumors and abscesses.
- Apply the principles of imaging techniques for stress echocardiography including latest data on risk stratification and prognosis in patients with ischemic and non-ischemic cardiomyopathy.
- Recognize the basic principles of contrast echocardiography including interaction of contrast with ultrasound to assess the role of contrast in LV opacification, Doppler signal enhancement, evaluation of masses and myocardial perfusion.
- Assess the role of echocardiography and diagnosing the assessment of congenital heart disease.
- Use the latest literature regarding strain and strain rate imaging to identify patients who respond to cardiac resynchronization and use echocardiography optimization in patients undergoing resynchronization.
- Evaluate the current developments and clinical indications for 3D and 4D Echo in clinical practice.
- Examine the latest imaging techniques in qualification of left ventricular wall motion.
- Prepare echocardiography physicians for the Echo Boards.

## TARGET AUDIENCE

Cardiologists, Internal Medicine Physicians, Echocardiography Technicians, Sonographers and Nurses.

## ACCREDITATION

Mount Sinai Health System Hospitals: Mount Sinai Beth Israel, Mount Sinai St. Luke's and Mount Sinai Roosevelt are accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

## CREDIT DESIGNATION

Mount Sinai Health System Hospitals: Mount Sinai St. Luke's and Mount Sinai Roosevelt designate this live activity for a maximum of 20.25 *AMA PRA Category 1 Credits*™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## VERIFICATION OF ATTENDANCE

Verification of attendance will be provided to all professionals.

## ADA STATEMENT

Mount Sinai Health System Hospitals: Mount Sinai St. Luke's and Mount Sinai Roosevelt fully comply with the legal requirements of the ADA and the rules and regulations thereof. If any participant in this educational activity is in need of support services, please notify Annette Roman at [aroman@chpnet.org](mailto:aroman@chpnet.org) in order to receive service.

## POLICY ON FACULTY DISCLOSURE

It is the policy of Mount Sinai Health System Hospitals: Mount Sinai Beth Israel, Mount Sinai St. Luke's and Mount Sinai Roosevelt that faculty and providers disclose real or apparent conflicts of interest relating to the topics of this educational activity and have established policies in place that will identify and resolve all conflicts of interest prior to this educational activity. Detailed disclosure will be made in the activity handout materials.

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## REGISTRATION INFORMATION

*Fees postmarked on or before September 11, 2015*

**\$675** Practicing Physicians

**\$475** Residents, Fellows, Sonographers, Nurses, Allied Health Professionals, Physician Assistants and Mount Sinai Health System

*Fees postmarked after September 11, 2015*

**\$725** Practicing Physicians

**\$525** Residents, Fellows, Sonographers, Nurses, Allied Health Professionals, Physician Assistants and Mount Sinai Health System

## CONFERENCE SITE

Crowne Plaza Times Square  
1605 Broadway (between 48th & 49th Streets)  
New York, NY 10019

A block of rooms is available for symposium participants and can be reserved by calling the hotel directly at 1-888-233-9527 (domestic) or 1-843-760-5839 (international), and stating that you are with the "Echo New York 2015 Conference". You may also book your room reservations directly online at <https://resweb.passkey.com/go/ECO2015>. A special group rate of \$369 single and \$389 double per night plus tax, will be held until September 18th, on a space available basis. Please refer to all hotel policies at time of booking, check-in time is 4:00pm and check-out is 12:00 noon.

## COURSE DIRECTORS

### **Farooq A. Chaudhry, MD, FACP, FACC, FASE, FAHA\***

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Associate Director, Mount Sinai Heart Network  
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## MOUNT SINAI HEALTH NETWORK FACULTY

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#### **David H. Adams, MD**

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Jacqueline Wilkins

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For Registration Information, contact  
Annette Roman at [aroman@chpnet.org](mailto:aroman@chpnet.org) or  
212-523-2138



## DAY 1 – SATURDAY, OCTOBER 10, 2015

**7:30** Registration and Continental Breakfast

**7:55** Welcome and Opening Remarks

*Farooq A. Chaudhry, MD*

### KEYNOTE ADDRESS

**8:00** Future of Cardiovascular Imaging in Promoting Health

*Valentin Fuster, MD, PhD*

### ULTRASOUND PHYSICS

*Moderators: Farooq A. Chaudhry, MD and Partho P. Sengupta, MD*

**8:30** A Primer: Ultrasound Physics

*Muhammed Saric, PhD*

**9:15** A Primer: Doppler Physics

*Muhammed Saric, PhD*

### VALVULAR DISEASE, LV AND RV FUNCTION, HEMODYNAMICS

*Moderators: Farooq A. Chaudhry, MD and Partho P. Sengupta, MD*

**9:45** Valvular Regurgitations: What You Must Know and What is New

*Tatyana A. Danilov, MD*

**10:15** Valvular Stenosis: What You Must Know and What is New

*Susan Hecht, MD*

**10:45** *Refreshment Break*

**11:15** New Guidelines for Evaluation of the Right Ventricle

*Edgar Argulian, MD*

**11:45** Common Echo Artifacts: Mechanisms and Diagnosis

*Muhammed Saric, PhD*

**12:15** Hemodynamics by Echocardiography

*Dennis Finkelstein, MD*

**12:45** *Luncheon (Not Included)*

### DIASTOLOGY; CONSTRICTION VS. RESTRICTION; CHAMBER QUANTIFICATION

*Moderators: Farooq A. Chaudhry, MD and Eric H. Stern, MD*

**1:45** Diastology: New Guidelines

*Partho P. Sengupta, MD*

**2:15** Echocardiography in Acute Myocardial Infarction

*Eyal Herzog, MD*

**2:45** Diseases of the Pericardium and Restrictive Cardiomyopathy

*Partho P. Sengupta, MD*

**3:30** *Refreshment Break*

**3:45** New Guidelines for Chamber Quantification

*Jeffrey J. Silbiger, MD*

### TRANSESOPHAGEAL ECHOCARDIOGRAPHY (TEE); CARDIAC MASSES; CASE STUDIES

*Moderators: Farooq A. Chaudhry, MD and Partho P. Sengupta, MD*

**4:15** Role of TEE in Cardioversion, Stroke and Aortic Disease

*Susan Hecht, MD*

**4:45** Intraoperative Transesophageal Echocardiography

*Gregory W. Fischer, MD*

**5:15** Cardiac Masses and Endocarditis

*Edgar Argulian, MD, MPH*

**5:45** "My Most Fascinating Case"

*Edgar Argulian, MD, MPH*

*Gregory W. Fischer, MD*

*Susan Hecht, MD*

*Eyal Herzog, MD*

*Partho P. Sengupta, MD*

*Jeffrey J. Silbiger, MD*

**6:15** *Adjourn*

## DAY 2 – SUNDAY, OCTOBER 11, 2015

**7:30** Registration and Continental Breakfast

### STRESS ECHOCARDIOGRAPHY, CARDIO-ONCOLOGY AND HEART FAILURE; CASE STUDIES

*Moderators: Farooq A. Chaudhry, MD and Lori Croft, MD*

**8:00** Stress Echocardiography for Risk Stratification and Prognosis in Patients with Coronary Artery Disease

*Farooq A. Chaudhry, MD*

**8:30** Role of Echo in Cardio-oncology

*Gagan Sahni, MD*

**9:00** Viable Myocardium, Diagnosis, Risk Stratification and Prognosis

*Farooq A. Chaudhry, MD*

**9:30** Role of Echocardiography in Diagnosis, Risk Stratification of Heart Failure Patients

*Sean Pinney, MD*

**10:00** Stress Echo: Beyond Coronary Artery Disease

*Farooq A. Chaudhry, MD*

**10:30** *Refreshment Break*

### **STRAIN, CONTRAST AND PROSTHETIC VALVES**

*Moderators: Farooq A. Chaudhry, MD and Lori Croft, MD*

**11:00** Principles of Strain and Clinical Uses

*Partho P. Sengupta, MD*

**11:30** Contrast Echo: Present and Future

*Farooq A. Chaudhry, MD*

**12:00** Evaluation of Prosthetic Valves

*Asaf Rabinovitz, MD*

**12:30** Stress Echo: Case Studies

*Edgar Argulian, MD, MPH*

*Farooq A. Chaudhry, MD*

*Bette Kim, MD*

*Brandon M. Wiley, MD*

**1:00** *Adjourn for Lunch (Included)*

### **VALVULAR HEART DISEASE; STRUCTURAL HEART DISEASE; HYPERTROPHIC CARDIOMYOPATHY; 3D ECHO**

*Moderators: Farooq A. Chaudhry, MD and Blase Carabello, MD*

**2:00** New Valvular Guidelines

*Blase Carabello, MD*

**2:30** What Do Surgeons Really Need From Imagers?

*David H. Adams, MD*

**3:00** TAVR: Current State of the Art

*Samin Sharma, MD*

**3:30** *Refreshment Break*

**4:00** Mitral Clip: Current State of the Art

*Samin Sharma, MD*

**4:30** Echo for TAVR and Mitral Clip

*Partho P. Sengupta, MD*

**5:00** Athlete's Heart, Left Ventricular Hypertrophy and Hypertrophic Cardiomyopathy

*Mark V. Sherid, MD*

**5:30** Current Clinical Applications of 3D/4D Echocardiography with Case Studies: Does It Make a Difference?

*Tatyana A. Danilov, MD*

**6:00** *Adjourn*

## **DAY 3 – MONDAY, OCTOBER 12, 2015**

**7:30** Registration and Continental Breakfast

### **CONGENITAL HEART DISEASE**

*Moderators: Shubhika Srivastava, MD and Barry Love, MD*

**8:00** Congenital Heart Disease: Case Based

*Barry Love, MD*

**8:30** Complex Congenital Heart Disease

*Shubhika Srivastava, MD*

**9:00** Structural Heart Disease: Role of Echo (with Case Studies)

*Barry Love, MD*

### **WORKSHOPS WITH LIVE DEMONSTRATION**

**9:30** Optimal TEE Protocol and Simulator

*Samuel DeMaria, Jr., MD*

*Alexander Mitnacht, MD*

**10:00** *Refreshment Break*

**10:30** *Moderators: Lori Croft, MD, Samantha Buckley, BS, RDCS, RDMS and Robin Goldberg, BA, RDMS*  
What Constitutes a Comprehensive Transthoracic Echocardiography Exam and Report as per ICAEL Guidelines; Live Demonstration

**11:00** *Moderators: Farooq A. Chaudhry, MD, Deborah Cantales, RDCS, Danny Pudupud, RDCS, RVT and Stephanie Fabian, RCS*  
Contrast Echocardiography: Live Demonstration of Contrast Echo with Emphasis on Knobology and Optimizing Imaging Quality

**11:45** *Moderators: Partho P. Sengupta, MD & Francesco Faletra, MD*  
3D and 4D Echo Image Acquisition, Cropping and Display: Case Studies

**12:45** Closing Remarks

**1:00** *Conference Adjourned*



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## REGISTRATION FEES

	By September 11, 2015	After September 11, 2015
<input type="checkbox"/> Physicians	\$675	\$725
<input type="checkbox"/> Residents*, Fellows*, Sonographers, Nurses, and Allied Health Professionals	\$475	\$525

*\*Registration Form must be accompanied by a letter of verification from Department Chairman or Chief of Service or copy of badge identification.*

## PAYMENT METHODS

☐ Online Registration is available and is the preferred method [www.chpnet.org/cme](http://www.chpnet.org/cme)

☐ Check payable to Mount Sinai St. Luke's-CME is enclosed

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Please fax this form to 212-523-2074 or mail to:

Mount Sinai St. Luke's, Office of CME, 1111 Amsterdam Avenue, New York, NY 10025  
Payment must accompany registration form.

**CANCELLATION POLICY:** A refund, less a \$100 administrative fee, will be issued upon written request. No refunds will be made after September 11th. Mount Sinai St. Luke's reserves the right to cancel this program.

## FURTHER INFORMATION

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