17th Annual
ECHO New York
October 7 - 9, 2017

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

DIRECTOR
Jagat Narula, MD, PhD, MACC

CO-DIRECTORS
Edgar Argulian, MD, MPH, FACC, FASE
Eyal Herzog, MD

LOCATION
Icahn School of Medicine at Mount Sinai
Stern Auditorium
1468 Madison Avenue @ 100th Street
New York, NY

www.icahn.mssm.edu/cme/courses
Echo NY was founded by Farooq A. Chaudhry, MD in 2001 and has been a constant feature on Columbus Day for more than 16 years. Dr. Chaudhry, a friend to all, a mentor to many and a human par excellence died suddenly on August 29, 2017. We would like to memorialize this conference as a tribute to his contribution to the discipline of echocardiography. We have started a Farooq A. Chaudhry Memorial Oration this year, and the first awardee is his mentor, Prof. Robert O. Bonow.

EDUCATIONAL OBJECTIVES
At the conclusion of this activity, participants will be able to:

- 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 role of echo in structural heart disease.
- 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.

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

ACCREDITATION
The Icahn School of Medicine at Mount Sinai is accredited by the ACCME to provide continuing medical education for physicians.

CREDIT DESIGNATION
The Icahn School of Medicine at Mount Sinai designates this live educational activity for a maximum of 20.50 AMA PRA Category 1 Credit(s)™. 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.

SPECIAL NEEDS
The Icahn School of Medicine at Mount Sinai is in full compliance with provisions of the Americans with Disabilities Act (ADA) and is accessible for individuals with special needs. If you would like to attend this conference and require any special needs or accommodations please contact the Page and William Black Post-Graduate School of Medicine at 212-731-7950.

FACULTY DISCLOSURE
It is the policy of Icahn School of Medicine at Mount Sinai to ensure objectivity, balance, independence, transparency, and scientific rigor in all CME-sponsored educational activities. All faculty participating in the planning or implementation of a sponsored activity are expected to disclose to the audience any relevant financial relationships and to assist in resolving any conflict of interest that may arise from the relationship. Presenters must also make a meaningful disclosure to the audience of their discussions of unlabeled or unapproved drugs or devices. This information will be available as part of the course material.

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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, structural heart disease, 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.

REGISTRATION INFORMATION
Fees postmarked on or before September 8, 2017
$575 Practicing Physicians
$375 Residents, Fellows, Sonographers, Nurses, Allied Health Professionals, Physician Assistants and Mount Sinai Health System

Fees postmarked after September 8, 2017
$625 Practicing Physicians
$425 Residents, Fellows, Sonographers, Nurses, Allied Health Professionals, Physician Assistants and Mount Sinai Health System

MEETING LOCATION
Icahn School of Medicine at Mount Sinai
Stern Auditorium
1468 Madison Avenue @ 100th Street
New York, NY 10029

HOTEL ACCOMMODATIONS
New York Marriott East Side
525 Lexington Avenue at 49th Street, New York, NY 10017
www.nymarriotteastside.com

A limited number of rooms at a special discounted rate of $279.00 per night plus tax, have been reserved at the New York Marriott East Side and will be held until September 18, 2017. For room reservations, you may contact the hotel at 1 (800) 228-9290, please inform the hotel that you are with ‘CME Event ECHO ROOM BLOCK’, Group Code: CMECMEA – King Rooms / CMECMED – Double Bedded Rooms. Check-in time is 4:00pm and check-out is 12:00 noon.

ONLINE RESERVATIONS
You may also book your room reservations directly online Marriott.com using the following codes: CMECMEA – King Rooms / CMECMED – Double Bedded Rooms.

For Additional Hotel Accommodations: Please contact our Housing Manager, Denise Newman, Email: dnew229@aol.com or Phone: 718-835-4911 Fax: 718-835-8661.
DAY 1 - SATURDAY, OCTOBER 7, 2017

7:30   Registration and Continental Breakfast
7:55   Welcome and Opening Remarks

KEY NOTE ADDRESS
8:00   Future of Arterial 3D Ultrasound Imaging as a Tool for Promoting Health

ULTRASOUND PHYSICS
Moderators: Jagat Narula, MD & Edgar Argulian, MD
8:30   Basic Principles of Ultrasound Physics
9:00   Basic Principles of: Doppler Physics

VALVULAR DISEASE, LV AND RV FUNCTION, HEMODYNAMICS
Moderators: Jagat Narula, MD & Eyal Herzog, MD
9:30   Valvular Regurgitations: What You Must Know
10:00  Valvular Stenosis: What You Must Know
10:30  Refreshment Break and Exhibits
11:00  Right Ventricle Function: New Guidelines
11:30  Common Echo Artifacts: Mechanisms and How To Identify Them – with Case Studies
12:00  Echocardiography Hemodynamics: Is Catheterization Necessary? – with Case Studies
12:30  Lunch (Not Included)

DIASTOLOGY; CONSTRUCTION vs. RESTRICTION; CHAMBER QUANTIFICATION
Moderators: Edgar Argulian, MD & Eric H. Stern, MD
1:30   Diastology: Simplified; New Guidelines
2:00   Echocardiography in Acute Myocardial Infarction and Complications
2:30   Diseases of the Pericardium vs. Restrictive Cardiomyopathy
3:00   Refreshment Break and Exhibits
3:30   New Guidelines for Chamber Quantification

TRANSESOPHAGEAL ECHOCARDIOGRAPHY (TEE); CARDIAC MASSES
Moderators: Satish Kenchaiah, MD & Alexander J. Mittnacht, MD
4:00   Transesophageal Echocardiography
4:30   Role of TEE in Cardioversion, Stroke and Aortic Disease
5:00   Endocarditis and Cardiac Masses
5:30   Adjourn

DAY 2 - SUNDAY, OCTOBER 8, 2017

7:30   Registration and Continental Breakfast

KEY NOTE ADDRESS
8:00   Real World Stress Echocardiography

STRESS ECHOCARDIOGRAPHY
Moderator: Jagat Narula, MD
8:30   Stress Echocardiography: Basic Concepts and Principles
9:00   Stress Echocardiography for Risk Stratification and Prognosis in Patients with Coronary Artery Disease
9:30   Myocardial Viability, Diagnosis, Risk Stratification and Prognosis
10:00  Role of Echo in Cardio-oncology
## PROGRAM SCHEDULE

10:30  Refreshment Break and Exhibits
10:50  A Tribute to Farooq A. Chaudhry  

**FAROOQ A. CHAUDHRY MEMORIAL ORATION**
11:00  Bringing AS Guidelines to the Bedside  

**STRAIN, CONTRAST AND PROSTHETIC VALVES**  
*Moderator: Lori Croft MD*
11:40  Stress Echo: Beyond Coronary Artery Disease  
12:10  Strain Simplified with Clinical Case Studies  
12:40  Synopsis of Contrast Echo  
1:10   Evaluation of Prosthetic Valves  
1:40   Adjourn for Lunch (Included)

**VALVULAR HEART DISEASE; STRUCTURAL HEART DISEASE**  
*Moderator: Nina Kukar, MD*
2:40   New Valvular Guidelines  
3:10   Echo in the OR: Surgeon’s Perspective  
3:40   TAVR: Current State of the Art  
4:10   Refreshment Break and Exhibits  
4:40   Mitral Clip: Current Concepts  
5:10   Echo in EP Lab  
5:40   Current Clinical Applications of 3D/4D Echocardiography with Case Studies: Does It Make A Difference?  
6:10   Adjourn

**DAY 3 - MONDAY, OCTOBER 9, 2017**

7:30   Registration and Continental Breakfast

**CONGENITAL HEART DISEASE**  
*Moderators: Shubhika Srivastava, MD and Barry A. Love, MD*
8:00   Basic Congenital Heart Disease: Case Based  
8:30   Complex Congenital Heart Disease: Case Based  
9:00   Echo in Structural Heart Disease (with Emphasis on Case Studies)  
9:30   Differentiating Athlete’s Heart, Left Ventricular Hypertrophy and Hypertrophic Cardiomyopathy  
10:00  Integrating Multimodality Imaging in Transcatheter Valve Procedures: An Operator’s Perspective  
10:30  Refreshment Break and Exhibits

**WORKSHOPS WITH LIVE DEMONSTRATION**
11:00  Moderators: Eric Stern, MD; Amir A. Ahmadi, MD; Samantha Buckley, RDMS & Robin Goldberg, RDMS  

Comprehensive Transthoracic Echocardiography Exam with Emphasis on ICAEL, Live Demonstration  
11:30  Moderators: Amir A. Ahmadi, MD; Danny Pudpud, RDCS; Stephanie Fabian, RDMS & Suzanne Schiller, RDCS  

Contrast Echocardiography: Live Demonstration of Contrast Echo with Emphasis on Knobology and Optimizing Imaging Quality  
12:00  Moderators: Eyal Herzog, MD; Amir A. Ahmadi, MD; Lisa Clark, RDCS & Adeena Traube, RDMS  

How to Obtain and Interpret Strain Data, Live Demonstration  
12:30  Moderator: Tatyana A. Danilov, MD  

3D and 4D Echo Image Acquisition, Cropping and Display: Case Studies  
1:00   Closing Remarks

Conference Adjourned
FOUNDING DIRECTOR
Farooq A. Chaudhry, MD, FACP, FACC, FASE, FAHA

DIRECTOR
Jagat Narula, MD, PhD, MACC
Philip J. and Harriet L. Goodhart Professor of Medicine
Associate Dean, Arnhold Institute for Global Health at Mount Sinai
Icahn School of Medicine at Mount Sinai
Chief of Cardiology
Mount Sinai St. Luke’s
New York, NY

MOUNT SINAI HEALTH NETWORK FACULTY

Mount Sinai Hospital

Samantha Buckley, BS, RDCS, RDMS
Manager, Echo Lab
The Mount Sinai Hospital
New York, NY

Lori Croft, MD
Associate Professor of Medicine
Interim Director, Echocardiography Laboratory
Icahn School of Medicine at Mount Sinai
New York, NY

Ahmed El-Eshmawi, MD
Assistant Professor
Clinical Director, Mitral Valve Program
Department of Cardiovascular Surgery
Icahn School of Medicine at Mount Sinai
New York, NY

Valentin Fuster, MD, PhD
Professor of Cardiology
Icahn School of Medicine at Mount Sinai
Physician-in-Chief, Mount Sinai Hospital
Director, Mount Sinai Heart
The Mount Sinai Hospital
New York, NY

Satish Kenchaiah, MD, MPH, FACC, FASE
Assistant Professor of Medicine
Icahn School of Medicine at Mount Sinai
New York, NY

Steve Lin Liao, MD, FACC
Assistant Professor of Medicine and Radiology
Icahn School of Medicine at Mount Sinai
Attending, Cardiology
The Mount Sinai Hospital
New York, NY

Barry A. Love, MD
Assistant Professor of Pediatrics and Medicine
Icahn School of Medicine at Mount Sinai
Director of Congenital Cardiac Catheterization Laboratories
The Mount Sinai Hospital
New York, NY

Alexander J. Mittnacht, MD
Professor of Anesthesiology
Icahn School of Medicine at Mount Sinai
Director Pediatric Cardiac Anesthesia
Department of Anesthesiology
The Mount Sinai Hospital
New York, NY

Gila Perk, MD, FACC, FASE
Associate Professor of Medicine
Director, Interventional Echocardiography
Icahn School of Medicine at Mount Sinai
New York, NY

Vivek Reddy, MD
Helmsley Trust Professor of Medicine
Icahn School of Medicine at Mount Sinai
Director, Cardiac Electrophysiology
The Mount Sinai Hospital
New York, NY

Gagan Sahni, MD, FACC, FACP
Associate Professor of Medicine
Director, Cardio-Oncology and Cardiology Consult Service
Mount Sinai Cardiovascular Institute
New York, NY

Samin K. Sharma, MD, FACC, FSCAI
Anandi Lal Sharma Professor of Medicine (Cardiology)
Icahn School of Medicine at Mount Sinai
Director, Clinical & Interventional Cardiology
The Mount Sinai Hospital
New York, NY

Shubhika Srivastava, MBBS, FAAP, FACC, FASE
Professor of Pediatrics
Director, Non Invasive Imaging
Director, Fellowship Training Program
Division of Pediatric Cardiology
Icahn School of Medicine at Mount Sinai
New York, NY

Eric H. Stern, MD, FACP, FACC
Associate Professor of Medicine
Icahn School of Medicine at Mount Sinai
Associate Program Director, Cardiology Fellowship Training Programs
The Mount Sinai Hospital
New York, NY

Gilbert Tang, MD, MSc, MBA, FRCS, FACC
Associate Professor of Cardiovascular Surgery
Icahn School of Medicine at Mount Sinai
Surgical Director, Structural Heart Program
Mount Sinai Health System
New York, NY

CO-DIRECTORS
Edgar Argulian, MD, MPH, FACC, FASE
Assistant Professor of Medicine
Icahn School of Medicine at Mount Sinai
Co-Director, Echocardiography Laboratories
Mount Sinai St. Luke’s
New York, NY

Eyal Herzog, MD
Associate Professor of Medicine
Icahn School of Medicine at Mount Sinai
Director, Cardiac Care Unit
Director, Echocardiography Laboratories
Mount Sinai St. Luke’s
New York, NY
Mount Sinai Beth Israel
Tatyana A. Danilov, MD
Assistant Professor of Medicine
Director, Echocardiography
Icahn School of Medicine at Mount Sinai
Mount Sinai Beth Israel
New York, NY

Stephanie Fabian, RCS
Director of Non-Invasive Cardiology
Mount Sinai Heart at Mount Sinai Beth Israel
New York, NY

Dennis Finkielstein, MD, FACC, FASE, RPVI
Associate Professor of Medicine
Icahn School of Medicine at Mount Sinai
Associate Chairman, Department of Cardiology
Director, Ambulatory Cardiology
Director, Cardiovascular Outcomes Group
Mount Sinai Beth Israel
New York, NY

GUEST FACULTY
Sripal Bangalore, MD, MHA, FACC, FAHA, FSCAI
Director Complex Coronary Intervention, Bellevue Hospital
Director of Research, Cardiac Catheterization Laboratory
The Leon H. Charney Division of Cardiology
New York University School of Medicine
New York, NY

Robert O. Bonow, MD, MS
Goldberg Distinguished Professor of Cardiology
Vice Chair of Department of Medicine
Northwestern University Medical Center
Chicago, IL

Y.S. Chandrashekhara, MD, DM, FACC
Editor-in-Chief, JACC Imaging
Director of Cardiovascular Imaging, Veterans Affairs Medical Center
Co-Director for Cardiology Fellowship Program Affiliate Site (VA)
University of Minnesota
Minneapolis, MN

Harvey Feigenbaum, MD, FASE, FACC
Distinguished Professor of Medicine
Indiana University School of Medicine
Kraemer Institute of Cardiology
Indianapolis, IN

Dan G. Halpern, MD
Assistant Professor of Medicine
Director, Adult Congenital Heart Disease Program
The Leon H. Charney Division of Cardiology
New York University School of Medicine
New York, NY

Susan Hecht, MD
Assistant Professor of Medicine
Division of Cardiology
Columbia University Medical Center
New York, NY

Muhammed Saric, MD, PhD, FACC, FASE
Associate Professor of Medicine
Director, Non-Invasive Cardiology
New York University
New York, NY

Mark V. Sherrid, MD
Professor of Medicine
Director, Hypertrophic Cardiomyopathy Program
New York University Langone Medical Center
New York, NY

Mount Sinai Elmhurst
Jeffrey J. Silbiger, MD, FACC, FASE
Associate Professor of Medicine
Icahn School of Medicine at Mount Sinai
Director, Echocardiology Laboratory
Department of Cardiology
Elmhurst Hospital Center
Queens, NY

Mount Sinai St. Luke’s
Amir A. Ahmadi, MD
Assistant Professor of Medicine
Director, Valve Program
Mount Sinai St. Luke’s
New York, NY

Nina Kukar, MD
Assistant Professor of Medicine
Director, Cardiac MR Services
Mount Sinai St. Luke’s
New York, NY

Danny Pudpud, RDGS, RVT
Manager, MSSL/MSW Echo Lab
Mount Sinai St. Luke’s
New York, NY

TECHNICAL STAFF
Gicylle Almonte, RDCS
Lisa Clark, RDCS
Christina Devenuto, RN
Ann Dobres, RN
Robin Goldberg, BA, RDGS
Soonjong Ko, RDGS
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Frances Williams, RN
Marilyn Witte Goldbard, RN
Meichun Yang, RDGS
Lilliana Zappino, RDGS
Wenli Zhang, RDGS

PROGRAM COORDINATOR
Jacqueline Wilkins

FOR CONFERENCE INFORMATION, CONTACT
Jacqueline Wilkins at (212) 241-6846
FOR REGISTRATION INFORMATION, CONTACT
cme@mssm.edu or call Annette Roman at (212) 731-7950
REGISTRATION FORM

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☑ Enclosed is my check for $________ made payable to
  The Page and William Black Post-Graduate School of Medicine

REGISTRATION FEES

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<td>$575</td>
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CANCELLATION POLICY: A $75 fee will be deducted from all refunds/cancellations issued. All refund and cancellation requests must be emailed to the CME Office at cme@mssm.edu by Monday, September 18, 2017. No refunds will be made after this date or for “no-shows.”