

TENTH ANNUAL

ECHO New YorkSM 2010

SATURDAY, OCTOBER 9 – MONDAY, OCTOBER 11, 2010

Course Director

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

Crowne Plaza Times Square

1605 Broadway, New York, NY

***Comprehensive Review of Transthoracic,
Transesophageal, Stress Echocardiography,
3D and 4D Echo, Contrast, Congenital,
Cardiac Resynchronization, Strain,
Strain Rate Velocity Vector Imaging,
Newer Techniques, Applications with
Case Studies and Workshops***

***Highly
Rated for
Echo Board
Review***

Co-sponsored by:
St. Luke's and Roosevelt Hospitals
Division of Cardiology
and



ASE American Society of
Echocardiography
Heart & Circulation Ultrasound Specialists

CME Credit Certified by:
Beth Israel Medical Center and
St. Luke's and Roosevelt Hospitals

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 transesophageal echocardiography in patients presenting with stroke for cardioversion 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 quantification of left ventricular wall motion
- Prepare Echocardiography physicians for the Echo Boards

Program Description

Basic echocardiography will be reviewed and the latest advances in echocardiography will be demonstrated through lecture 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.

Preparation for Echo Boards: At the end of each presentation there will be at least three board oriented questions.

Workshops: Live demonstrations, for M-Mode, 2D, Color flow Doppler imaging, stress echocardiography, contrast echocardiography, 3D echocardiography and cardiac resynchronization will enhance your understanding of echocardiography.

At each workshop, a topic will be presented in detail by the instructor on a live model. This interactive format will provide all participants (both physicians and sonographers) with the opportunity to improve their skills in obtaining data to ensure complete and correct diagnostic studies in patients coming through the echocardiography laboratory.

Accreditation Statement

Beth Israel Medical Center and St. Luke's and Roosevelt Hospitals are accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Credit Designation

St. Luke's and Roosevelt Hospitals designates this educational activity for a maximum of 20.5 AMA PRA Category 1 CreditsTM. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Conference Site

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

A block of rooms is available for symposium participants and can be reserved by calling the hotel directly at 888-233-9527, and stating that you are with the "Echo New York Conference" or online at www.resweb.passkey.com/go/echonewyork. Reservations require a one night deposit and are guaranteed for late arrival. Your deposit will be refunded if you notify the hotel 72 hours prior to your stated date of arrival. A special group rate of \$289.00 per night, plus taxes, single or double occupancy, will be held until September 6th on a space available basis, so please make your reservation as soon as possible. Check-in time is 3:00pm and check-out is 12:00 noon.

Target Audience

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

Prerequisites

A minimum of three months experience in echocardiography and knowledge of basic anatomy and physiology of the heart is required. Experience in Doppler Echo would be advantageous, but is not required. TRANSESOPHAGEAL, STRESS, CONTRAST, HARMONIC, 3D, 4D, CONGENITAL ECHO and NEWER IMAGING TECHNIQUES WILL BE EMPHASIZED.

Policy on Faculty and Provider Disclosure

It is the policy of Beth Israel Medical Center & St. Luke's and Roosevelt Hospitals that faculty and providers disclose real or apparent conflicts of interest relating to the topics of this educational activity, and also disclose discussions of unlabeled/unapproved uses of drugs or devices during their presentation(s). Beth Israel Medical Center & St. Luke's and Roosevelt Hospitals have established policies in place that will identify and resolve all conflicts of interest prior to this educational activity.

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General Information

Course Director and Moderator

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

Associate Professor of Medicine
Columbia University College of Physicians and Surgeons
Associate Chief of Cardiology
Director of Echocardiography
St. Luke's and Roosevelt Hospitals
New York, NY

Faculty – Continuum Health Partners, Inc.

Sandhya K. Balaram, MD, PhD, FACS

Assistant Professor of Clinical Surgery
Columbia University College of Physicians and Surgeons
Interim Chief, Division of Cardiothoracic Surgery
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New York, NY

Marvin Berger, MD, FACC, FASE

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Susan Hecht, MD, FASE

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Albert Einstein College of Medicine
Associate Director, Coronary Care Unit
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Eyal Herzog, MD

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Bette Kim, MD

Assistant Professor of Clinical Medicine
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Attending Physician
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Mark V. Sherrod, MD, FACC, FASE

Professor of Clinical Medicine
Columbia University College of Physicians and Surgeons
Site-Director, Echocardiography Laboratory Roosevelt Division
Program Director, Hypertrophic Cardiomyopathy Program
St. Luke's and Roosevelt Hospitals
New York, NY

Siu-Sun Yao, MD, FACC, FASE

Associate Professor of Clinical Medicine
Columbia University College of Physicians and Surgeons
Medical Director, Division of Cardiology Faculty Practice
Co-Director, Nuclear Cardiology and Cardiac Stress Testing
St. Luke's and Roosevelt Hospitals
New York, NY

Technical Staff

Deborah Cantales, RDCS
Wanda Castillo
Manuel Chut, RN
Jennifer Elkordy, RN
Svetlana Gaysinskaya, RCS
Debbie Kim, RDCS
Elzbieta Kiwior, RDCS
Rosanne Kleint, RN
Ewa Korzeniecki, RDCS

Sonal Patel, RDCS
Danny Pudpud, RDCS
Janet Sheikhan, RN
Corazon Tungol, RN
Nataliya Vasquez, RDCS
Karina Vaysfeld
Lauren Vicinanza, RDCS
Olga Vorona, RDCS, RVT

Guest Faculty

Theodore P. Abraham, MD

Assistant Professor of Medicine
Department of Cardiovascular Diseases
Mayo Clinic Minnesota
Rochester, MN

Sripal Bangalore, MD, MHA, FSCAI

Assistant Professor of Medicine,
New York University School of Medicine
Director, Cardiac Catheterization Laboratory Research
NYU Medical Center
New York, NY

Robert O. Bonow, MD

Goldberg Distinguished Professor
Chief, Division of Cardiology
Northwestern University Feinberg School of Medicine
Northwestern Memorial Hospital
Chicago, IL

Elisa Konofagou, PhD

Associate Professor of Biomedical Engineering and Radiology
Columbia University
New York, NY

George K. Lui, MD

Professor of Medicine and Pediatrics
Albert Einstein College of Medicine
Director, Adult Congenital Heart Disease
Montefiore Medical Center Assistant
Bronx, NY

David D. McPherson, MD, FACP, FACC, FAHA

The James T. and Nancy B. Willerson Chair
Professor and Chairman, Department of Internal Medicine
Director, Division of Cardiology, Executive Director, CCTS
Medical Director, Heart and Vascular Institute
Houston, TX

Muhamed Saric, MD, PhD, FACC, FASE

Associate Professor of Medicine
Director of Operations, Noninvasive Cardiology
New York University
New York, NY

Neil J. Weissman, MD, FACC, FASE

President, MedStar Health Research Institute at
Washington Hospital Center
Professor of Medicine, Georgetown University
Washington, DC

Program Coordinator

Jacqueline Wilkins

Faculty

Day 1 Saturday, October 9, 2010

7:30 *Registration and Continental Breakfast*

7:55 **Welcome and Opening Remarks**
Farooq A. Chaudhry, MD

Physics

8:00 **Review of Ultrasound Physics**
Elisa Konofagou, PhD

8:45 **Review of Doppler Physics**
Elisa Konofagou, PhD

**Valvular, Disease LV and RV Function, Hemodynamics;
Hypertrophic Cardiomyopathy**

9:30 **Valvular Regurgitations: Evaluation, Limitations and Pitfalls**
Mark V. Sherrid, MD

10:00 **Key Parameters for Assessment of Diastolic Function**
Muhamed Saric, MD

10:30 *Refreshment Break and Exhibits*

11:00 **Valvular Stenosis: Evaluation, Limitations and Pitfalls**
Marvin Berger, MD

11:30 **Cardiac Hemodynamics by Echocardiography**
Muhamed Saric, MD

12:00 *Luncheon (Not Included)*

1:00 **Common Echo Artifacts: Mechanisms and Diagnosis**
Neil J. Weissman, MD

1:30 **Diseases of the Pericardium and Restrictive Cardiomyopathy**
Susan Hecht, MD

2:00 **Evaluation of the Right Ventricle**
Neil J. Weissman, MD

2:30 **Echocardiography in Acute Coronary Syndrome**
Eyal Herzog, MD

3:00 **New Guidelines for Evaluation of Prosthetic Valves**
Neil J. Weissman, MD

3:30 *Refreshment Break and Exhibits*

4:00 **Athlete's Heart, Left Ventricular Hypertrophy and Hypertrophic Cardiomyopathy**
Mark V. Sherrid, MD

Transesophageal Echocardiography (TEE)

4:30 **Role of TEE in Cardioversion, Stroke and Aortic Disease**
Susan Hecht, MD

5:00 **"My Most Fascinating Echo Case"**
Faculty

6:00 *Adjourn*

Day 2 Sunday, October 10, 2010

7:30 *Registration and Continental Breakfast*

Stress Echocardiography, CT Angiography and CMR

8:00 **Pre and Post Test Probability: Clinical Implication for Stress Testing**
Sripal Bangalore, MD

8:30 **Exercise and Pharmacological Stress Echocardiography**
Farooq A. Chaudhry, MD

9:15 **Stress Echocardiography for Risk Stratification and Prognosis**
Siu-Sun Yao, MD

9:45 **Role of Echo and Stress Echo for Timing of Valve Surgery**
Robert O. Bonow, MD

10:15 *Refreshment Break and Exhibits*

10:45 **Role of CT Angiography vs. Stress Imaging for Assessment of Coronary Artery Disease**
Robert O. Bonow, MD

11:15 **Myocardial Viability: Diagnosis, Risk Stratification and Prognosis**
Farooq A. Chaudhry, MD

11:45 **Echo, CT and CMR: When to Use What**
Robert O. Bonow, MD

12:15 **Stress Echo: Case Studies**
Farooq A. Chaudhry, MD
Bette Kim, MD
Mark V. Sherrid, MD
Siu-Sun Yao, MD

1:00 *Adjourn for Lunch (Included)*

3D/4D Echocardiography; Cardiac Resynchronization; New and Evolving Technologies: Strain, Speckle Tracking and Velocity Vector Imaging

2:00 **Basic Principles of Strain, Speckle Tracking, and Myocardial Twist/Untwist**
Theodore P. Abraham, MD

2:30 **Current Clinical Applications of 3D/4D Echocardiography**
David D. McPherson, MD

3:15 **Current Clinical and Future Applications of Strain Speckle Tracking, VVI and Myocardial Twist/Untwist**
Theodore P. Abraham, MD

3:45 *Refreshment Break and Exhibits*

4:00 **Identifying Patients for Cardiac Resynchronization Therapy Using Tissue Synchronization Imaging, Strain and 2D Speckle**
Farooq A. Chaudhry, MD

4:30 **Role of Robotic Cardiac Resynchronization**
Sandya K. Balaram, MD

5:00 **Echocardiography to Optimize Cardiac Resynchronization and Follow-Up**
Farooq A. Chaudhry, MD

5:30 **5:30 Interesting 3D/4D Echo Studies**
David D. McPherson, MD
Muhamed Saric, MD

6:00 *Adjourn*

Day 3 Monday, October 11, 2010

7:30 *Registration and Continental Breakfast*

Congenital Heart Disease; Contrast Echocardiography

8:00 **Congenital Heart Disease for the Adult Echocardiographer: Part I**
George K. Lui, MD

8:45 **Contrast Echo: A Synopsis for the Practicing Physician with Case Studies; Safety Data; Black Box Warning and Implications for Your Lab**
Farooq A. Chaudhry, MD

9:30 **Congenital Heart Disease for the Adult Echocardiographer: Part II**
George K. Lui, MD

10:15 *Refreshment Break*

Workshops with Live Demonstration

10:45 **MODERATORS: Mark V. Sherrid, MD and Siu Sun Yao, MD**
What Constitutes a Comprehensive Transthoracic Echocardiography Exam and Report as per ICAEL Guidelines, Live Demonstration, Doppler Tissue Imaging, and Proximal Isovelocity Surface Area

Danny Pudpud, RDCS
Svetlana Gaysinskaya, RCS
Elzbieta Kiwior, RDCS
Ewa Korzeniecki, RDCS
Sonal Patel, RDCS

11:30 **MODERATORS: Farooq A. Chaudhry, MD and Bette Kim, MD**
Live Demonstration of Contrast Echo for Left Ventricular Opacification, Endocardial Border and Spectral Doppler Signal: Enhancement, with Emphasis on Knobology

Deborah Cantales, RDCS
Lauren Vicinanza, RDCS
Olga Vorona, RDCS, RVT

12:00 **MODERATOR: Farooq A. Chaudhry, MD**
Tissue Synchronization, Strain and 2-D Speckle for Cardiac Resynchronization; Live Demonstration

Debbie Kim, RDCS
Danny Pudpud, RDCS
Nataliya Vasquez, RDCS

12:45 *Closing Remarks*

Conference Adjourned

SAVE THE DATE ■ ACS New York 2010

COURSE DIRECTORS

Eyal Herzog, MD & Mun K. Hong, MD

GUEST FACULTY

Christopher P. Cannon, MD, Richard F. Daines, MD & Venu Menon, MD

Roosevelt Hospital

1000 Amsterdam Avenue @ 59th Street, NY, NY

Teleconferenced to St. Luke's Hospital

1111 Amsterdam Avenue @ 114th Street, NY, NY

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St. Luke's and Roosevelt Hospitals
Division of Cardiology

Friday, October 8, 2010

7:30 AM – 3:15 PM

Further Information

St. Luke's and Roosevelt Hospitals
Office of Continuing Medical Education
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Saturday, October 9 – Monday 11, 2010

Crowne Plaza Times Square, 1605 Broadway, New York, NY

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Tuition

	By September 10	After September 10
Physicians	<input type="checkbox"/> \$695	<input type="checkbox"/> \$750
ASE Members	<input type="checkbox"/> \$555	<input type="checkbox"/> \$600
Residents, Fellows, Sonographers and Nurses	<input type="checkbox"/> \$495	<input type="checkbox"/> \$550
ASE Members	<input type="checkbox"/> \$395	<input type="checkbox"/> \$440

Payment Methods

- Online Registration is available and is the preferred method - www.chpnet.org/cme
- Check payable to SLRHC-CME Office is enclosed
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Please fax this form to 212-523-2074 or mail to

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

Cancellation Policy

A refund, less a \$75 administrative fee, will be issued upon written request. No refunds will be made after September 10th. St. Luke's and Roosevelt Hospitals reserve the right to cancel this program.

Further Information

St. Luke's and Roosevelt Hospitals
Office of Continuing Medical Education
Phone: 212-523-2138 ■ Fax: 212-523-2074
Email: aroman@chpnet.org ■ Website: www.chpnet.org/cme

Registration

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