

NINTH ANNUAL

ECHO New Yorksm '09

SATURDAY, OCTOBER 10 – MONDAY, OCTOBER 12, 2009

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***



Sponsored By:

**St. Luke's and Roosevelt Hospitals
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In Cooperation With:



ASE American Society of
Echocardiography
Heart & Circulation Ultrasound Specialists

**New York State Chapter,
American College of Cardiology
The New York Cardiological Society, Inc.**



**CME Credit Certified By:
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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

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.

Workshops: Workshops, with 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 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 800-227-6963, and stating that you are with the "Echo New York Conference." 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 \$279.00 per night, plus taxes, single or double occupancy, will be held until September 8th 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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Long Island
College Hospital

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Affiliate of SUNY—
Health Science Center
at Brooklyn

NY Eye & Ear
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Affiliated Teaching
Hospital of New York
Medical College

Course Director and Moderator

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Technical Staff

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Program Coordinator

Jacqueline Wilkins

Guest Faculty

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Director, ESP Ultrasound
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Professor of Medicine and Radiology
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Allan Klein, MD, FASE

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New York, NY

Steven D. Wolff, MD, PhD

Director of Advanced Cardiovascular Imaging
Assistant Professor of Radiology and Medicine
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New York, NY

Faculty

Day 1 Saturday, October 10, 2009

7:30 *Registration and Continental Breakfast*

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

Physics

8:00 **A Primer of Ultrasound Physics**
Sidney K. Edelman, PhD

8:45 **A Primer of Doppler Physics**
Sidney K. Edelman, PhD

Valvular, Disease LV and RV Function, Hemodynamics

9:30 **Valvular Regurgitations: What You Must Know and What is New**
Mark V. Sherid, MD

10:00 **Valvular Stenosis: What You Must Know and What is New**
Marvin Berger, MD

10:30 *Refreshment Break*

11:00 **Evaluation of the Right Ventricle**
Muhammed Saric, MD

11:30 **Common Echo Artifacts: Mechanisms and Diagnosis**
Sidney K. Edelman, PhD

12:00 **Hemodynamics by Echocardiography**
Muhammed Saric, MD

12:30 *Luncheon (Not Included)*

1:30 **Clinical Diastology: New Guidelines**
Mario J. Garcia, MD

2:00 **Echocardiography in Acute Myocardial Infarction**
Eyal Herzog, MD

2:30 **Role of Echocardiography in Risk Stratification of Heart Failure Patients**
Mario J. Garcia, MD

3:00 *Refreshment Break*

3:30 **Diseases of the Pericardium and Restrictive Cardiomyopathy**
Allan Klein, MD

Transesophageal Echocardiography (TEE)

4:00 **Role of TEE in Cardioversion, Stroke and Aortic Disease**
Susan Hecht, MD

4:30 **Intraoperative Echocardiography for Mitral Valve Repair**
Allan Klein, MD

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

6:00 *Adjourn*

Day 2 Sunday, October 11, 2009

7:30 *Registration and Continental Breakfast*

Stress Echocardiography, Preclinical Atherosclerotic Imaging, CT Angiography and CMR

8:00 Principles and Techniques in Exercise and Pharmacological Stress Echocardiography

Farooq A. Chaudhry, MD

8:45 Stress Echocardiography for Risk Stratification and Prognosis in Patients with Coronary Artery Disease

Siu-Sun Yao, MD

9:15 Viable Myocardium, Diagnosis, Risk Stratification and Prognosis

Farooq A. Chaudhry, MD

9:45 Role of Imaging in Identifying Preclinical Atherosclerosis; Intimal Medial Thickness, Flow Mediated Dilation, Calcium Score: Which Parameter is Optimal?

James E. Macioch, DO

10:15 *Refreshment Break*

10:45 CT Angiography vs. Stress Testing for Assessment of Coronary Artery Disease

Steven D. Wolff, MD

11:15 Future of Echocardiography

Thomas Ryan, MD

11:45 Future of Imaging: How Will Echo Fare with CT and CMR?

Steven D. Wolff, MD

12:15 Stress Echo: Case Studies

James E. Macioch, DO

Thomas Ryan, 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, VVI Imaging and Myocardial Twist

David D. McPherson, MD

2:30 Current Clinical Applications of 3D/4D Echocardiography

Thomas Ryan, MD

3:15 Current Clinical Applications of Strain Speckle Tracking, VVI and Myocardial Twist

David D. McPherson, MD

3:45 *Refreshment Break*

4:00 Identifying Patients for Cardiac Resynchronization Therapy Using Tissue Synchronization Imaging, Strain and 2D Speckle

Farooq A. Chaudhry, MD

4:30 Robotic Cardiac Resynchronization: How and When to Use

Sandya K. Balaram, MD

5:00 Echocardiography to Optimize Cardiac Resynchronization and Follow-Up

Farooq A. Chaudhry, MD

5:30 *Adjourn*

Day 3 Monday, October 12, 2009

7:30 *Registration and Continental Breakfast*

Hypertrophic Cardiomyopathy; Congenital Heart Disease; Contrast Echocardiography

8:00 **Role of Echocardiography in Athlete's Heart, Left Ventricular Hypertrophy and Hypertrophic Cardiomyopathy**

Mark V. Sherrid, MD

8:30 **Adult Congenital Heart Disease**

Muhammed Saric, MD

9:30 **Contrast Echo: A Synopsis for the Practicing Physician with Case Studies; Black Box Warning and Implications for Your Lab**

Farooq A. Chaudhry, 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, RDCS

11:30 **MODERATORS: Farooq A. Chaudhry, MD and Bette Kim, MD**

Contrast Echocardiography

Live Demonstration of Contrast Echo for Left Ventricular Opacification, Endocardial Border and Spectral Doppler Signal: Enhancement, with Emphasis on Knobology

Deborah Cantales, RDCS

Ewa Korzeniecki, RDCS

12:00 **MODERATOR: Farooq A. Chaudhry, MD**

Tissue Synchronization, Strain and 2-D Speckle for Cardiac Resynchronization: Live Demonstration

Danny Pudpud, RDCS

Deborah Cantales, RDCS

12:45 *Closing Remarks*

Conference Adjourned: Turn in Attendance Verification Forms

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

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Tuition

Includes three continental breakfasts, 1 luncheon, refreshment breaks and a course syllabus

	By September 8	After September 8
Physicians	<input type="checkbox"/> \$695	<input type="checkbox"/> \$750
<i>ASE Members</i>	<input type="checkbox"/> \$555	<input type="checkbox"/> \$600
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Please fax this form to 212-523-2074 or mail to

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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 11th. St. Luke's and Roosevelt Hospitals reserve the right to cancel this program.

Further Information

St. Luke's and Roosevelt Hospitals

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