

EIGHTH ANNUAL

ECHO New Yorksm '08

SATURDAY, OCTOBER 11 – MONDAY, OCTOBER 13, 2008

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***



Jointly Sponsored By:

**St. Luke's
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**International Society of
Cardiovascular Ultrasound**

Division of Cardiology

In Cooperation With:



ASE American Society of
Echocardiography
Heart & Circulation Ultrasound Specialists

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



The New York Cardiological Society
of the
New York State Chapter of the American College of Cardiology



Program Objectives

- Understand the basic physics of ultrasound and Doppler echocardiography
- Review the basic role of echocardiography to evaluate valvular and myocardial diseases with 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
- Review the principles of imaging techniques for stress echocardiography including latest data on risk stratification and prognosis in patients with ischemic and non-ischemic cardiomyopathy
- Review 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
- Evaluate the role of echocardiography in congenital heart disease
- Review the latest literature regarding strain and strain rate imaging in identifying patients who respond to cardiac resynchronization and using echocardiography optimization in patients undergoing resynchronization
- Evaluate the current developments and clinical indications for 3D and 4D echo in clinical practice
- Review the latest imaging techniques in quantification of left ventricular wall motion
- Workshops for M-Mode, 2D, Color flow Doppler imaging, stress echocardiography, contrast echocardiography, 3D echocardiography and cardiac resynchronization

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: 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

This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of St. Luke's and Roosevelt Hospitals and the International Society of Cardiovascular Ultrasound. Beth Israel Medical Center & St. Luke's and Roosevelt Hospitals are accredited by the ACCME to provide continuing medical education to physicians.

Credit Designation

St. Luke's and Roosevelt Hospitals designates this educational activity for a maximum of 21.0 *AMA PRA Category 1 Credits*TM. 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 group rate of \$369.00 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.

General Information

Continuum Health Partners, Inc.

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University Hospital and
Manhattan Campus for
the Albert Einstein College
of Medicine

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Columbia University College
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Long Island
College Hospital

Primary Clinical Teaching
Affiliate of SUNY—
Health Science Center
at Brooklyn

NY Eye & Ear
Infirmary

Affiliated Teaching
Hospital of New York
Medical College

Course Director and Moderator

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

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

Seth Uretsky, MD

Director, Cardiac CT and MRI
St. Luke's and Roosevelt Hospitals
New York, NY

Siu-Sun Yao, MD, FACC, FASE

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

Guest Faculty

Sidney K. Edelman, PhD

Director, ESP Ultrasound
Houston, TX

Harvey Feigenbaum, MD

Distinguished Professor of Medicine
Director, Echocardiographic Laboratories
Indiana University School of Medicine
Indianapolis, IN

Mario J. Garcia, MD

Professor of Medicine and Radiology
Director of Non-Invasive Cardiac Imaging
Mount Sinai School of Medical Center
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Linda Gillam, MD, FACC, FASE, FAHA, FESC

Medical Director, Cardiac Valve Program
Assistant Professor of Medicine
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New York, NY

David D. McPherson, MD

University of Texas Health Science Center at Houston
Professor & Director, Division of Cardiology and
Medical Director, Heart & Vascular Institute
Memorial Hermann Hospital
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Navin C. Nanda, MD, FACC, FAHA, FSGC, FISCU

Professor of Medicine and Director
Heart Station/Echocardiography Laboratories
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Danny Pudpud, RDCS

Corazon Tungol, RN

Karina Vaysfeld

Lauren Vicinanza

Program Coordinator

Jacqueline Ortiz

Faculty

Day 1 Saturday, October 11, 2008

7:30 *Registration and Continental Breakfast*

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

Physics

8:00 **Basic Principles and Concepts of Ultrasound**
Sidney K. Edelman, PhD

8:45 **Basic Principles and Concepts of Doppler**
Sidney K. Edelman, PhD

Valvular Disease

9:30 **Valvular Regurgitations: Diagnosis, Limitations and Pitfalls with Case Studies**
Mark V. Sherrid, MD

10:00 **Identification of Ischemic vs. Functional Mitral Regurgitation with Case Studies and Therapeutic Implications**
Linda Gillam, MD

10:30 *Refreshment Break and Exhibits*

10:45 **Valvular Stenosis: Diagnosis, Limitations and Pitfalls with Case Studies**
Marvin Berger, MD

11:15 **Prosthetic Valves Evaluation: Diagnosis, Pitfalls and Limitations with Case Studies**
Linda Gillam, MD

11:45 **Echo Artifacts: What Causes Them and How to Identify Them**
Sidney K. Edelman, PhD

Myocardial Disease, 3D and 4D Echocardiography

12:15 **Evaluation of the Right Ventricle**
Linda Gillam, MD

12:45 *Luncheon (Not Included)*

1:45 **Optimal Utilization of Various 2D Echo/Doppler Methods for Assessment of MR and AR: What is the Incremental Value of 3D Echocardiography?**
Navin C. Nanda, MD

2:15 **Assessment of Diastolic Dysfunction**
Mario J. Garcia, MD

2:45 **Velocity Vector Imaging: What are the Advantages Over Tissue Doppler Imaging? How and When to Use It.**
Navin C. Nanda, MD

3:15 *Refreshment Break and Exhibits*

3:30 **Diseases of the Pericardium and Restrictive Cardiomyopathy**
Mario J. Garcia, MD

4:00 **Newer Aspects of 3D Echocardiography: Cardiac Dyssynchrony Assessment, 3D Strain, Strain Rate, Twist and Torsion Imaging**
Navin C. Nanda, MD

4:30 **Echocardiography in Acute Myocardial Infarction**
Eyal Herzog, MD

Transesophageal Echocardiography (TEE)

5:00 **TEE for Cardioversion, Stroke and Aortic Disease**
Susan Hecht, MD

5:30 **TEE for Endocarditis, Abscess, Tumors and Masses**
Marvin Berger, MD

6:00 *Adjourn*

Day 2 Sunday, October 12, 2008

7:30 *Registration and Continental Breakfast*

Stress Echocardiography, LV Quantification, CT Angiography and MR

8:00 **When and How to Use M-Mode Echocardiography**

Harvey Feigenbaum, MD

8:30 **Principles and Techniques in Exercise and Pharmacological Stress Echocardiography**

Farooq A. Chaudhry, MD

9:15 **Transthoracic Echocardiography Examination of Coronary Arteries: Ready for Primetime?**

Harvey Feigenbaum, MD

9:45 **Stress Echocardiography for Risk Stratification and Prognosis in Patients with Coronary Artery Disease**

Siu-Sun Yao, MD

10:15 *Refreshment Break and Exhibits*

10:30 **Quantification of Wall Motion: Strain Imaging in Stress Echocardiography**

Harvey Feigenbaum, MD

11:00 **Reversible LV Dysfunction, Diagnosis, Risk Stratification and Prognosis**

Farooq A. Chaudhry, MD

11:30 **CT Angiography vs. Stress Testing for Assessment of Coronary Artery Disease**

Mario J. Garcia, MD

12:00 **Future of Imaging: How Will Echo Fare with CT and MRI?**

Seth Uretsky, MD

12:30 **Stress Echo, Left Ventricular Quantification; Case Studies**

Farooq A. Chaudhry, MD

Harvey Feigenbaum, MD

Mario J. Garcia, MD

Siu-Sun Yao, MD

1:00 *Adjourn for Lunch (Included)*

Cardiac Resynchronization; New and Evolving Technologies: Strain and Velocity Vector Imaging

2:00 **Contrast Echo: A Synopsis for the Practicing Physician with Case Studies**

Farooq A. Chaudhry, MD

2:45 **Myocardial Strain and Strain Rate Imaging, Two Dimensional Strain, Speckle Tracking, Basic Principles: How and When to Use**

David D. McPherson, MD

3:15 *Refreshment Break and Exhibits*

3:30 **Velocity Vector Imaging: Basic Principles with Case Studies- How and When to Use**

David D. McPherson, MD

4:00 **Identifying Patients for Cardiac Resynchronization Therapy Using Tissue Synchronization Imaging, Strain and Strain Rate Imaging**

Farooq A. Chaudhry, MD

4:30 **Identifying Patients for Cardiac Resynchronization Therapy Using Velocity Vector Imaging and 3D Echocardiography**

David D. McPherson, MD

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

Farooq A. Chaudhry, MD

5:30 **Robotic Cardiac Resynchronization: How and When to Use**

Sandhya Balaram, MD

5:45 *Adjourn*

Day 3 Monday, October 13, 2008

7:30 *Registration and Continental Breakfast*

Hypertrophic Cardiomyopathy; Hemodynamics; Congenital Heart Disease; Preclinical Atherosclerosis Imaging

8:00 Differentiating Athlete's Heart, Left Ventricular Hypertrophy and Hypertrophic Cardiomyopathy

Mark V. Sherrid, MD

8:30 Congenital Heart Disease for the Adult Cardiologist

Muhammad Saric, MD

9:30 Role of Imaging in Identifying Preclinical Atherosclerosis; Intimal Medial Thickness, Flow Mediated Dilation, Calcium Score: Which Parameter is Optimal?

Merle Myerson, MD

10:00 Comprehensive Hemodynamics, Proximal Isovelocity Surface Area, Vena Contracta, Effective Regurgitant Orifice, Pulmonary Capillary Wedge Pressure: With Case Studies

Muhammed Saric, MD

10:30 *Refreshment Break and Exhibits*

Workshops with Live Demonstration

11:00 MODERATORS: Mark V. Sherrid, MD and Siu Sun Yao, MD

What Constitutes a Comprehensive Transthoracic Echocardiography Exam?

Live Demonstration, Doppler Tissue Imaging, Proximal Isovelocity Surface Area

Danny Pudpud, RDCS

Svetlana Gayinskaya, RDCS

Elzbieta Kiwior, RDCS

11:35 MODERATOR: Siu Sun Yao, MD

Report as per ICAEL Guidelines

11:45 MODERATOR: Farooq A. Chaudhry, 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

12:15 MODERATOR: Farooq A. Chaudhry, MD

Tissue Synchronization, Strain and Strain Rate Imaging, Cardiac Resynchronization;

Live Demonstration

Danny Pudpud, RDCS

Deborah Cantales, RDCS

12:45 *Closing Remarks*

Conference Adjourned: Turn in Attendance Verification Forms

Eighth Annual

ECHO New Yorksm '08

Saturday, October 11 – Monday, October 13, 2008

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

Name: _____ Title: _____

Address: _____

City: _____ State: _____ Zip Code: _____

Phone: _____ Fax: _____

E-mail: _____

(Be sure to include your e-mail address as confirmation/receipt will be sent electronically.)

Specialty: _____

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 Member</i>	<input type="checkbox"/> \$555	<input type="checkbox"/> \$600
Residents, Fellows, Sonographers and Nurses	<input type="checkbox"/> \$495	<input type="checkbox"/> \$550
<i>ASE Member</i>	<input type="checkbox"/> \$395	<input type="checkbox"/> \$440

Payment Method

- Online Registration is available and is the preferred method - www.chpnet.org/cme
- Check payable to SLRHC-CME Office is enclosed
- Credit Card # _____ Exp date _____
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Signature _____ Date _____

Payment must accompany registration form. Please fax this form to (212) 523-2074 or mail it to St. Luke's and Roosevelt Hospital, Office of CME, 1111 Amsterdam Avenue, New York, NY 10025

Cancellation Policy

A refund, less a \$50 administrative fee, will be issued upon written request. No refunds will be made after September 12th. St. Luke's and Roosevelt Hospitals reserve the right to cancel this program.

For Further Information

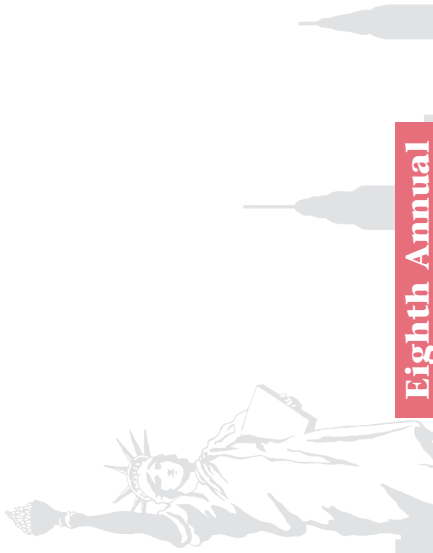
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Registration

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