

SEVENTH ANNUAL

ECHO New Yorksm '07

SATURDAY, OCTOBER 6 – MONDAY, OCTOBER 8, 2007

Course Director:

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

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
Roosevelt**

St. Luke's and Roosevelt Hospitals
Division of Cardiology

University Hospital of
Columbia University College
of Physicians & Surgeons

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



**International Society of
Cardiovascular Ultrasound**



**In Cooperation With:
American
Society of
Echocardiography**

www.asecho.org

SEVENTH ANNUAL ECHO NEW YORKSM '07

Program Objectives

- In order to utilize two-dimensional echocardiography, color and spectral Doppler, physicians and sonographers at all levels will review emerging data on imaging techniques.
- Apply transesophageal echocardiography in clinical practice for your patients in order to optimize imaging results.
- Evaluate the principles and imaging techniques for stress echocardiography, data for risk stratification and prognosis in order to select the best treatment strategies for your patients.
- Review and select, when appropriate, 3-D and 4-D Echo based on their clinical implications, in order to develop best practices.
- Implement velocity vector imaging in clinical practice and determine its role in assessment of left ventricular function and cardiac resynchronization therapy.
- Given the newest information available, review the principles of strain and strain rate imaging and its utility in cardiac resynchronization in order to determine appropriate strategies of care.
- Apply contrast echocardiography, in order to diagnose or assess LV opacification, Doppler signal enhancement, masses and myocardial perfusion.
- Determine the role of echocardiography in diagnosis and assessment of congenital heart disease.
- Based on the latest research available, evaluate the role of echocardiography in risk stratification and management of myocardial infarction, coronary artery disease and congestive heart failure.

Program Objectives

BASIC echocardiography will be reviewed and later advances will be demonstrated through lecture and case studies. Participants will be exposed to principles and imaging, exercise and pharmacological stress, contrast, harmonics, Doppler tissue imaging, strain, strain rate, cardiac resynchronization and 2D, 3D and 4D transesophageal echocardiography in common 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 their clinical laboratories.

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 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 *20.75 AMA PRA Category 1 CreditsSM*. 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 \$299.00 per night, plus taxes, single or double occupancy, will be held until September 12th 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.

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.



Presented By:
The New York Cardiological Society, Inc.
of the
New York State CHAPTER



General Information

Continuum Health Partners, Inc.

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

Roosevelt
Hospital

St. Luke's
University Hospital of
Columbia University College
of Physicians & Surgeons

St. Luke's
Hospital

Long Island
University Hospital of
Columbia University College
of Physicians & Surgeons

Long Island
College Hospital

NY Eye & Ear
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

Associate Professor of Medicine
Columbia University College of Physicians and Surgeons
Associate Chief of Cardiology
Director of Echocardiography
St. Luke's and Roosevelt Hospitals
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Faculty – Continuum Health Partners, Inc.

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Attending Surgeon, Cardiothoracic Surgery
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Beth Israel Medical Center
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Siu-Sun Yao, MD, FACC, FASE

Assistant Professor of Clinical Medicine
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Technical Staff

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Debbie Kim, RDCS
Rosanne Kleint, RN
Ewa Korzeniecki
Danny Pudpud, RDCS
Corazon Tungol, RN
Karina Vaysfeld
Lauren Vicinanza

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.

Guest Faculty

Rebecca Hahn, MD, FACC

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Attending Physician, Cardiology
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David D. McPherson, MD

University of Texas Health Science Center
at Houston
Professor & Director, Division of Cardiology
Medical Director, Heart & Vascular Institute
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Texas Medical Center
Houston, TX

Navin C. Nanda, MD, FACC, FAHA, FSGC, FISCU

Director, Heart Station and Echocardiography
Laboratories
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School of Medicine
Director, Echocardiography Laboratories
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Thomas Ryan, MD

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John G. and Jeanne Bonnet McCoy Chair in
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Davis Heart & Lung Research Institute
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Director of Echocardiography
University of California
School of Medicine, Irvine
Orange County, CA

Program Coordinator

Jacqueline Ortiz

Faculty

Seventh Annual

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Day 1 Saturday, October 6, 2007

7:30 **Registration and Continental Breakfast**

7:55 **Welcome and Opening Remarks**

Farooq A. Chaudhry, MD

Valvular and Myocardial Disease

8:00 **Ultrasound Physics: Basic Concepts and Principles**

Chandra M. Sehgal, PhD

8:45 **Echo Artifacts: What Causes Them and How to Identify Them**

Rebecca Hahn, MD

9:15 **Valvular Stenosis: Diagnosis, Limitations and Pitfalls with Case Studies**

Marvin Berger, MD

9:45 **Valvular Regurgitations: Diagnosis, Limitations and Pitfalls with Case Studies**

Mark V. Sherrid, MD

10:15 **Refreshment Break and Exhibits**

10:30 **Evaluation and Assessment of the Right Ventricle**

Rebecca Hahn, MD

11:00 **Diastolic Dysfunction: Key Parameters**

Muhammed Saric, MD

11:30 **Constriction vs. Restriction and Pericardial Disease:
How to Differentiate and Diagnose**

Susan Hecht, MD

12:00 **Comprehensive Hemodynamics, Proximal Isovelocity Surface Area, Vena Contracta,
Effective Regurgitant Orifice, Pulmonary Capillary Wedge Pressure:
What Needs to be Reported**

Muhammed Saric, MD

12:30 **Echo Parameters to Differentiate Between Athlete's Heart, Left Ventricular
Hypertrophy and Hypertrophic Cardiomyopathy:
Importance of Dynamic Outflow Obstruction**

Mark V. Sherrid, MD

1:00 **Luncheon (Not Included)**

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

Eyal Herzog, MD

Transesophageal Echocardiography (TEE)

2:45 **What Constitutes a Complete and Comprehensive TEE Exam**

David D. McPherson, MD

3:15 **TEE for Cardioversion, Stroke and Aortic Disease**

Susan Hecht, MD

3:45 **Refreshment Break and Exhibits**

4:00 **Evaluation of Prosthetic Valves: Diagnosis, Limitations and Pitfalls with Case Studies**

David D. McPherson, MD

4:30 **TEE for Endocarditis, Abscess, Tumors and Masses**

Marvin Berger, MD

5:00 **TEE: Most Challenging Case Studies with Cardiothoracic Surgery Input**

Sandhya Balaram, MD, Marvin Berger, MD, Susan Hecht, MD, Zaharia Hillel, MD,

David D. McPherson, MD, Daniel G. Swistel, MD

5:45 **Adjourn**

Day 2 Sunday, October 7, 2007

7:30 *Registration and Continental Breakfast*

Stress Echocardiography, Contrast and LV Quantification

8:00 Principles and Techniques in Exercise and Pharmacological Stress Echocardiography
Farooq A. Chaudhry, MD

8:30 Stress Echocardiography for Risk Stratification and Prognosis in Patients with Coronary Artery Disease
Siu-Sun Yao, MD

9:00 Pitfalls and Pearls in Stress Echocardiography
Thomas Ryan, MD

9:30 Myocardial Viability, Diagnosis, Risk Stratification and Prognosis
Farooq A. Chaudhry, MD

10:00 *Refreshment Break and Exhibits*

10:15 Evolving Methods for Quantification of Wall Motion and Left Ventricular Function: Are We There?
Thomas Ryan, MD

10:45 Contrast Echo: A Synopsis for the Practicing Physician with Case Studies
Farooq A. Chaudhry, MD

11:30 Future of Cardiac Imaging: How Will Echo Compare to Evolving Techniques
Thomas Ryan, MD

12:00 Stress Echo, Contrast and Left Ventricular Quantification: Case Studies
Farooq A. Chaudhry, MD, Thomas Ryan, MD, Siu-Sun Yao, MD

12:45 *Adjourn for Lunch (Included)*

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

1:45 Myocardial Strain and Strain Rate Imaging, Two Dimensional Strain, Speckle Tracking, Basic Principles: How and When to Use
David D. McPherson, MD

2:15 Velocity Vector Imaging: Basic Principles with Case Studies- How and When to Use
Mani A. Vannan, MD

2:45 Identifying Patients for Cardiac Resynchronization Therapy Using Tissue Synchronization Imaging, Strain and Strain Rate Imaging
Farooq A. Chaudhry, MD

3:15 *Refreshment Break and Exhibits*

3:30 Identifying Patients for Cardiac Resynchronization Therapy Using Velocity Vector Imaging
Mani A. Vannan, MD

4:00 Echocardiography to Optimize Cardiac Resynchronization and Follow-Up
Farooq A. Chaudhry, MD

4:30 Assessment of Diastolic Dysfunction Using Velocity Vector Imaging and Case Studies
Mani A. Vannan, MD

5:00 Robotic Cardiac Resynchronization: How and When to Use
Sandhya Balaram, MD

5:30 *Adjourn*

Day 3 Monday, October 8, 2007

7:30 Registration and Continental Breakfast

3D and 4D Echocardiography: Congenital Heart Disease and Imaging Subclinical Atherosclerosis

8:00 3D and 4D Echocardiography: Clinical Utility and Future Directions

Navin C. Nanda, MD

8:30 Adult Congenital Heart Disease

Rebecca Hahn, MD

9:30 Adult Congenital Heart Disease: Role of 3D and 4D Echocardiography

Navin C. Nanda, MD

10:00 Role of Imaging in Identifying Subclinical Atherosclerosis, Intimal Medial Thickness, Flow Mediated Dilatation, Calcium Score: What Parameter is Optimal?

Merle Myerson, MD

10:30 Refreshment Break and Exhibits

Workshops and Live Demonstrations

10:45 MODERATORS: Mark V. Sherrid, MD and Siu Sun Yao, MD

What Constitutes a Comprehensive Transthoracic Echocardiography Exam as per ICAEL Guidelines, Live Demonstration, Doppler Tissue Imaging, Proximal Isovelocity Surface Area

Donna MacMillan Marotti, RDCS, RVT

Danny Pudpud, RDCS

11:15 MODERATOR: Navin C. Nanda, MD

3D and 4D Echocardiography: Live Demonstration

Deborah Cantales, RDCS

Donna MacMillan Marotti, RDCS, RVT

11:45 MODERATOR: Farooq A. Chaudhry, MD

Tissue Synchronization, Strain and Strain Rate Imaging, Cardiac Resynchronization

Donna MacMillan Marotti, RDCS, RVT

Danny Pudpud, RDCS

12:15 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

Danny Pudpud, RDCS

1:00 Closing Remarks

Conference Adjourned: Turn in Attendance Verification Form

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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 7	After September 7
Physicians	<input type="checkbox"/> \$695	<input type="checkbox"/> \$750
ASE Member	<input type="checkbox"/> \$555	<input type="checkbox"/> \$600
Residents, Fellows, Sonographers and Nurses	<input type="checkbox"/> \$495	<input type="checkbox"/> \$550
ASE Member	<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 14th. St. Luke's and Roosevelt Hospitals reserve the right to cancel this program.

For Further Information

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

Registration

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**Saturday, Sunday, Monday
October 6 - 8, 2007**