

**St. Luke's
Roosevelt**

Office of Continuing Medical Education
St. Luke's-Roosevelt Hospital Center
1111 Amsterdam Avenue
New York, NY 10025

Continuum Health Partners, Inc.



Third Annual

ECHO New YorkSM '03

Saturday, September 13 -
Monday, September 15, 2003

THIRD ANNUAL

ECHO New Yorksm '03

SATURDAY, SEPTEMBER 13 – MONDAY, SEPTEMBER 15, 2003

Course Director:
Farooq A. Chaudhry, MD

The New York Helmsley Hotel
212 East 42nd Street, New York, New York

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



Sponsored by:
St. Luke's-Roosevelt Hospital Center
Division of Cardiology
Department of Medicine

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

Co-Organized by HealthPartners, Inc.

Beth Israel

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

**Roosevelt
Hospital**

University Hospital of
Columbia University College
of Physicians & Surgeons

**St. Luke's
Hospital**

University Hospital of
Columbia University College
of Physicians & Surgeons

**Long Island
College Hospital**

Primary Clinical Teaching
Affiliate of SUNY
Health Science Center
@ Brooklyn

**NY Eye & Ear
Institute**

Affiliate Teaching
Hospital of New York
Medical College

Program Objectives

The objective of this course is to familiarize physicians and sonographers at all levels of training with practical knowledge and applications of two-dimensional ECHO, color and spectral Doppler, transesophageal and stress echocardiography, contrast 3D and 4D ECHO, and new developments. At the end of the course, every participant should have improved skills in the use of echocardiographic techniques for the appropriate diagnosis and treatment of common cardiac conditions.

Program Description

BASIC echocardiography will be reviewed and later advances will be demonstrated through lecture and case studies. Participants will be exposed to principles and physics of planar and color flow Doppler, imaging, exercise and pharmacological stress, contrast, harmonics, Doppler tissue imaging and 2D and 3D 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 of these small group sessions, a topic will be presented in detail by the instructor. 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.

Prerequisites

A minimum of three months' experience in echocardiography and knowledge of basic transesophageal 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.

Accreditation

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

St. Luke's-Roosevelt Hospital Center designates this continuing medical education activity for a maximum of 19.0 credit hours in Category 1 credits towards the AMA Physician Recognition Award. Each physician should claim only those hours of credit he/she actually spent in the educational activity.

Conference Site

The New York Helmsley Hotel
212 East 42nd Street
(between 2nd and 3rd Avenues)
New York, NY

A block of rooms is available for symposium participants and can be reserved by calling the hotel directly at 212-490-8900. and stating that you are with the "St. Luke's-Roosevelt 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 \$185.00 per night, plus taxes, single or double occupancy, will be held until September 23rd on a space-available basis, so please make your reservation as soon as possible. Check-in time is 4:00pm and check-out is 12:00 noon.

Tuition

(includes two continental breakfasts, 2 luncheons, refreshment breaks and a course syllabus)

	By July 31	After July 31
Physicians	\$595	\$645
Residents, Fellows Sonographers and Nurses	\$395	\$425

Residents and fellows must enclose letters from their Chiefs of Service.

Refunds

Cancellations must be made in writing and will be accepted until August 22. The tuition, minus a \$35 administrative fee, will be refunded.

Additional Information

The Office of Continuing Medical Education
St. Luke's-Roosevelt Hospital Center
1111 Amsterdam Avenue
New York, NY 10025
Phone: 212-523-2138
Fax 212-523-2074
E-mail satkinso@chnpnet.org
www.chnpnet.org/come

*General
Information*

Course Director and Moderator

Farooq A. Chaudhry, MD
Associate Professor of Medicine
Columbia University College of Physicians and Surgeons
Associate Chief of Cardiology
Director of Echocardiography
St. Luke's-Roosevelt Hospital Center
New York, New York

The "Faculty Disclosure Policy" of Beth Israel Medical Center and St. Luke's-Roosevelt Hospital Center requires that faculty participating in a CME activity disclose to the audience any relationship with a pharmaceutical or equipment company which might pose a potential, apparent, or real conflict of interest with regard to their contribution to the activity, and any discussions of unlabeled or investigational use of any commercial product or device not yet approved in the United States.

Faculty - Continuum Health Partners, Inc.

Marvin Berger, MD
Professor of Clinical Medicine
Albert Einstein College of Medicine
Director, Echocardiography Laboratory
Beth Israel Medical Center
New York, New York

Deborah Cantales, RDCS
Echo Lab Manager
St. Luke's-Roosevelt Hospital Center
New York, New York

Joseph DeRose, MD
Attending, Cardiothoracic Surgery
Director of Robotics
St. Luke's-Roosevelt Hospital Center
New York, New York

Deborah Friedman, MD
Acting Chairman of Pediatrics
Director, Division of Pediatric
Cardiology
St. Luke's-Roosevelt Hospital Center
New York, New York

Susan Hecht, MD
Assistant Professor of Clinical Medicine
Albert Einstein College of Medicine
Director, Coronary Care Unit
Beth Israel Medical Center
New York, New York

Eyal Herzog, MD
Assistant Professor of Clinical Medicine
Columbia University College of
Physicians and Surgeons
Director of Cardiac Care Unit
St. Luke's-Roosevelt Hospital Center
New York, New York

Zaharia Hillel, MD, PhD
Professor of Clinical Anesthesiology
Columbia University College of
Physicians and Surgeons
Director of Cardiothoracic
Anesthesiology
St. Luke's-Roosevelt Hospital Center
New York, New York

Roy Pizzarello, MD
Associate Professor of Clinical Medicine
Albert Einstein College of Medicine
The Heart Institute
Chief, Singer Division
Beth Israel Medical Center
New York, New York

Mark V. Sherrid, MD
Associate Professor of Clinical Medicine
Columbia University College of
Physicians and Surgeons
Site Director of Echocardiography
Laboratory
St. Luke's-Roosevelt Hospital Center
New York, New York

Binoy K. Singh, MD
Assistant Professor of Clinical Medicine
Columbia University College of
Physicians and Surgeons
Attending of Echocardiography
St. Luke's-Roosevelt Hospital Center
New York, New York

Jonathan S. Steinberg, MD
Professor of Medicine
Columbia University College of
Physicians and Surgeons
Chief of Cardiology
Director of Arrhythmia Service
St. Luke's-Roosevelt Hospital Center
New York, New York

Daniel G. Swistel, MD
Associate Professor of Clinical Medicine
Columbia University College of
Physicians and Surgeons
Chief, Division of Cardiothoracic
Surgery
St. Luke's-Roosevelt Hospital Center
New York, New York

Daniel M. Thys, MD
Professor of Anesthesiology
Columbia University College of
Physicians and Surgeons
Chairman, Department of
Anesthesiology
St. Luke's-Roosevelt Hospital Center
New York, New York

James R. Wilentz, MD
Assistant Professor of Medicine
Albert Einstein College of Medicine
Director of Cardiac Catheterization
Laboratory and Interventional
Cardiologist
St. Luke's-Roosevelt Hospital Center
New York, New York

Siu-Sun Yao, MD
Assistant Professor of Clinical Medicine
Columbia University College of
Physicians and Surgeons
Co-Director, Nuclear Cardiology and
Cardiac Stress Testing
St. Luke's-Roosevelt Hospital Center
New York, York

Program Coordinator

Jacqueline Ortiz

Technical Staff

Deborah Cantales, RDCS
Jennifer Henry
April Isambert
Karen Jannicelli
Daniel Lam
George Minix, RDCS
Michael Passick, RDCS, RCVT
Gretchen Pearle, RDCS

Guest Faculty

Sanjiv Kaul, MD
Frances Myers Ball Professor of
Cardiology
Professor of Medicine
Professor of Biomedical Engineering
Director of Cardiovascular Imaging
Center
University of Virginia Health Systems
Charlottesville, Virginia

David J. Mehlman, MD
Associate Professor of Medicine
Feinberg School of Medicine
Northwestern University Medical School
Medical Co-Director of
Echocardiography Laboratory
Northwestern Memorial Hospital
Chicago, Illinois

Navin C. Nanda, MD
Professor of Medicine
University of Alabama at Birmingham
Director, Heart Station/
Echocardiography Laboratories
University of Alabama at Birmingham
Birmingham, Alabama

Kiran Sagar, MD
Professor of Medicine/Cardiology
University of Wisconsin
Attending, Division of Cardiology
Wisconsin Heart and Vascular Clinic
Milwaukee, Wisconsin

Muhamed Saric, MD
Assistant Professor of Medicine
University of Medicine and Dentistry
Director, Echocardiography Laboratory
University of Medicine and Dentistry
Newark, New Jersey

James D. Thomas, MD, FACC
Charles and Lorraine Moore Chair of
Cardiovascular Imaging
Lead Scientist for Ultrasound - NASA
Professor of Medicine and Biomedical
Engineering
Ohio State University
Director of Cardiovascular Imaging
Cleveland Clinical Foundation
Cleveland, Ohio

Faculty

ECHO New Yorksm '03

Day 1 Saturday, September 13, 2003

12:30 Registration

12:55 Welcome and Opening Remark
Farooq A. Chaudhry, MD

Valvular and Myocardial Disease

1:00 Forgotten Imaging Planes: Transthoracic and Transesophageal Echo
Navin C. Nanda, MD

1:45 Valvular Regurgitation, Diagnosis, Limitations, Pitfalls and Case Studies
Mark V. Sherrid, MD

2:30 Mitral/Tricuspid Valvular Stenosis, Diagnosis, Limitations, Pitfalls and Case Studies
Roy Pizzarello, MD

3:00 Aortic/Pulmonic Valvular Stenosis, Diagnosis, Limitations, Pitfalls and Case Studies
Binoy K. Singh, MD

Refreshment Break and Exhibits

3:45 3-D and 4-D Echocardiography: State of the Art and Future Designs
Navin C. Nanda, MD

4:30 Diastolic Dysfunction
Muhammed Saric, MD

5:00 Pericardial Diseases
Susan Hecht, MD

5:30 Hypertrophic Cardiomyopathy vs. Athlete's Heart: How to Differentiate
Mark V. Sherrid, MD

6:00 **Adjourn: Turn in Evaluations**

Day 2 Sunday, September 14, 2003

7:30 Registration and Continental Breakfast

Stress Echocardiography and Coronary Artery Disease

8:00 Echocardiography in the CCU; Myocardial Infarction and Complications
Eyal Herzog, MD

8:30 Principles and Techniques in Exercise and Pharmacological Stress Echocardiography
Farooq A. Chaudhry, MD

9:15 Stress Echocardiography for Risk Stratification and Prognosis in Patients with CAD
Siu-Sun Yao, MD

9:45 Stress Echocardiography for Risk Stratification Post MI
Kiran Sagar, MD

Break and Exhibits

10:30 Viable Myocardium, Diagnosis, Risk Stratification and Prognosis
Farooq A. Chaudhry, MD

11:00 Pre-op Risk Stratification
Kiran Sagar, MD

11:30 Role of Stress Echo in Non-ischemic Cardiomyopathy and Valvular Heart Disease
Farooq A. Chaudhry, MD

12:00 Stress Echo, Case Studies
Farooq A. Chaudhry, MD
Kiran Sagar, MD
Binoy K. Singh, MD
Siu-Sun Yao, MD

1:00 **Luncheon (Included)**

Transesophageal Echocardiography

2:00 TEE Set-up Technique, Guidelines, Indication and Complications
Mark V. Sherrid, MD

2:30 TEE for Cardioversion, Stroke and Aortic Disease
Susan Hecht, MD

3:00 TEE for Endocarditis, Abscess and Masses
Marvin Berger, MD

3:30 **Refreshment Break and Exhibits**

Special Session

3:45 Prosthetic Valves: Live Demonstration of Actual Prosthesis with Corresponding Echo Images
David J. Mehlman, MD

4:45 Role of Echo in Robotic Surgery
Joseph DeRose, MD

5:10 TEE, TTE in the Operating Room: Critical Care Setting, Cases and Panel Discussion
Joseph DeRose, MD
Zaharia Hillel, MD, PhD
Daniel G. Swistel, MD
Daniel M. Thys, MD

6:00 **Adjourn: Turn in Evaluations**

Day 3 Monday, September 15, 2003

7:30 Registration and Continental Breakfast

Contrast Echocardiography: New and Evolving Technologies; Congenital Heart Disease

8:00 Microbubbles and Ultrasound
Sanjiv Kaul, MD

8:30 Contrast Echo: A Synopsis for the Practicing Physician
Farooq A. Chaudhry, MD

9:00 Contrast Echocardiography in Assessment of Myocardial Perfusion: Now and the Future
Sanjiv Kaul, MD

9:30 Live Demonstration of Contrast Echo for LV Opacification, Endocardial and Spectral Doppler Signal Enhancement
Deborah Cantales, RDCS
Farooq A. Chaudhry, MD
Binoy K. Singh, MD

10:30 **Refreshment Break and Exhibits**

10:45 PISA, DTI and Myocardial Strain and Strain Rate Imaging, Clinical Indications and Case Studies
James D. Thomas, MD, FACC

- 11:30 Novel Applications of Contrast Echocardiography: The Future
Sanjiv Kaul, MD
- 12:00 Digital Echo Lab
James D. Thomas, MD, FACC
- 12:30 **Luncheon (included)**
- 1:30 Role of Intracardiac Echo in the EP Lab: Clinical Applications
Jonathan S. Steinberg, MD
- 2:00 Role of Intravascular Ultrasound in the Cardiac Catheterization Laboratory: Clinical Applications
James R. Wilentz, MD
- 2:30 **Refreshment Break & Exhibits**
- 3:00 Basic Approach to Adult Congenital Heart Disease and Case Studies (I):
Adult Cardiologist's Perspective
Kiran Sagar, MD
- 3:45 Basic Approach to Adult Congenital Heart Disease and Case Studies (II):
Pediatric Cardiologist's Perspective
Deborah Friedman, MD

CONCURRENT WORKSHOPS (*Based on individual preferences, registrants will have the option of selecting either General or Workshop Sessions*)

Moderators: *Mark V. Sherrid, MD*
Binoy K. Singh, MD
Siu-Sun Yao, MD

1:30 **Workshop A**
Transthoracic/Congenital Echo
Deborah Cantales, RDCS
Lynette Duncanson, RDCS
Deborah Friedman, MD
Michael Passick, RDCS

2:15 **Workshop B**
Stress Echo
Deborah Cantales, RDCS
Michael Passick, RDCS

4:30 **Closing Remarks**

Conference Adjourned: Turn in Evaluations and Attendance Forms

2:45 **Workshop C**
Contrast Echo
Deborah Cantales, RDCS
Daniel Lam
Michael Passick, RDCS

3:30 **Refreshment Break and Exhibits**

3:45 **Workshop D**
Transesophageal Echo
Eyal Herzog, MD
Michael Passick, RDCS
Deborah Cantales, RDCS

After the ECHO New York Symposium

Join the Faculty for a Round Table Discussion
Current Advances and Future Technological
Directions in Echocardiography
Monday, September 15, 2003 • 4:45-6:00 pm
Further information will be sent upon registration

Program Schedule

Third Annual

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Saturday, September 13 – Monday, September 15, 2003
The New York Helmsley Hotel, 212 East 42nd Street, New York, New York

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: _____

I plan to attend: (please check all that apply)

- Workshop A
- Workshop B
- Workshop C
- Workshop D

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Includes two continental breakfasts, 2 luncheons,
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	By July 31	After July 31
Physicians	<input type="checkbox"/> \$595	<input type="checkbox"/> \$645
Residents, Fellows Sonographers and Nurses	<input type="checkbox"/> \$395	<input type="checkbox"/> \$425

Residents and fellows must enclose letters from their Chiefs of Service.

Please Mail or Fax this Registration Form

Office of Continuing Medical Education
St. Luke's-Roosevelt Hospital Center
1111 Amsterdam Avenue
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Fax 212-523-2074

Enclosed is my check made payable to:

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Exp. Date ___ / ___ / ___

Signature _____

For Further Information

The Office of Continuing Medical Education
Phone: 212-523-2138, Fax 212-523-2074
E-mail: satkinso@chpnet.org
www.chpnet.org/cme

Registration