

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

**St. Luke's  
Roosevelt**



**Fourth Annual**

***ECHO New York<sup>sm</sup> '04***

**Saturday, Sunday, Monday  
October 9 - 11, 2004**

**FOURTH ANNUAL**

# ***ECHO New York<sup>sm</sup> '04***

**SATURDAY, OCTOBER 9 – MONDAY, OCTOBER 11, 2004**

**Course Director:**  
Farooq A. Chaudhry, MD

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

***Comprehensive Review of Transthoracic,  
Transesophageal, Stress Echocardiography,  
3D and 4D Echo, Contrast, Congenital,  
Strain, Strain Rate Imaging, 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

Continuum Health Partners, 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  
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Primary Clinical Teaching  
Affiliate of SUNY  
Health Science Center  
at Brooklyn

**NY Eye & Ear  
Institute**

Affiliated Teaching  
Hospital of New York  
Medical College

**FOURTH ANNUAL ECHO NEW YORK<sup>SM</sup> '04**

***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 and takes responsibility for the quality, content and scientific integrity of this activity.

St. Luke's-Roosevelt Hospital Center designates this continuing medical education activity for a maximum of 21.0 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***

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 212-977-4000, 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 \$215.00 per night, plus taxes, single or double occupancy, will be held until September 10th 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.

***Tuition***

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

	By Sept. 7	After Sept. 7
Physicians	\$640	\$695
Residents, Fellows Sonographers and Nurses	\$395	\$445

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

***Refunds***

Cancellations must be made in writing and will be accepted until September 17. The tuition, minus a \$50 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@chpnet.org](mailto:satkinso@chpnet.org)  
[www.chpnet.org/cme](http://www.chpnet.org/cme)

**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

**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

**Lawrence M. Bost, MD**

Professor of Clinical Radiology  
Albert Einstein College of Medicine  
Attending Physician,  
Department of Radiology  
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**

Assistant Professor of Clinical Surgery  
Columbia University College of Physicians  
and Surgeons  
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

**Marrick L. Kukin, MD**

Director of Heart Failure Program  
St. Luke's-Roosevelt Hospital 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  
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  
Laboratories and Interventional  
Cardiology  
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, New York

**Program Coordinator**

Jacqueline Ortiz

**"Faculty Disclosure Policy"**

It is the policy of Beth Israel Medical Center and St. Luke's & Roosevelt Hospitals that faculty and sponsors 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). Detailed disclosure information will be made available in the course handout materials.

**Guest Faculty****David D. McPherson, MD**

Lester B. and Frances T. Knight  
Professor of Cardiology  
Professor of Medicine  
Northwestern University Medical School  
Director, Research Cardiology  
Co-Director, Echocardiography  
Northwestern Memorial Hospital  
Chicago, Illinois

**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

**Muhammed Saric, MD**

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

**James Slater, MD**

Associate Professor of Medicine  
NYU Medical School  
Co-Director, Non-Invasive Coronary  
Angiography  
NYU Medical Center  
New York, New York

**Technical Staff**

Deborah Cantales, RDCS  
Lynette Duncanson, RDCS  
Jennifer Henry  
April Isambert  
Karen Jannicelli  
George Minix, RDCS  
Michael Passick, RDCS, RCVT  
Gretchen Pearle, RDCS  
Danny J. Pudupud, RDCS

# Faculty

Fourth Annual

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**Day 1 Saturday, October 9, 2004**

7:30 **Registration and Continental Breakfast**

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

**Valvular and Myocardial Disease**

8:00 **Forgotten Imaging Planes: Transthoracic and Transesophageal Echo**  
*Navin C. Nanda, MD*

8:30 **Valvular Regurgitation, Diagnosis, Limitations, Pitfalls and Case Studies**  
*Mark V. Sherrid, MD*

9:15 **Valvular Stenosis, Diagnosis, Limitations, Pitfalls and Case Studies**  
*Marvin Berger, MD*

10:00 **Refreshment Break and Exhibits**

10:15 **Optimal Utilization of Echo For Valvular Lesions**  
*Navin C. Nanda, MD*

10:45 **Diastolic Dysfunction**  
*Muhammed Saric, MD*

11:30 **Echo Artifacts: How To Identify Them**  
*Navin C. Nanda, MD*

12:00 **Pericardial Diseases**  
*Susan Hecht, MD*

12:30 **Case Studies in Hypertrophic Cardiomyopathy**  
*Mark V. Sherrid, MD and  
Daniel G. Swistel, MD*

1:00 **Luncheon (Included)**

**Special Session: Prosthesis**

2:00 **Prosthetic Valves: Live Demonstration of Actual Prosthesis with  
Corresponding Echo Images**  
*David J. Mehlman, MD*

**Transesophageal Echocardiography**

3:00 **TEE Set-up Technique, Guidelines, Indication and Complications**  
*Mark V. Sherrid, MD*

3:30 **Refreshment Break and Exhibits**

3:45 **TEE for Cardioversion, Stroke and Aortic Disease**  
*Susan Hecht, MD*

4:15 **Echocardiography for Endocarditis, Abscess and Masses**  
*David D. McPherson, MD*

**Special Session**

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

5:00 **TEE Case Studies in the Operating Room: Critical Care Setting and Miscellaneous**  
*Joseph DeRose, MD  
Zaharia Hillel, MD, PhD  
Mark V. Sherrid, MD  
Daniel G. Swistel, MD  
Daniel M. Thys, MD*

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

**FOURTH ANNUAL ECHO NEW YORK<sup>SM</sup> '04**

**Day 2 Sunday, October 10, 2004**

7:30 *Registration and Continental Breakfast*

**Coronary Artery Disease, Heart Failure and Stress Echocardiography**

8:00 Echocardiography in Acute Coronary Syndromes and Myocardial Infarction  
*Eyal Herzog, MD*

8:30 Echocardiography for Risk Stratification, Prognosis and Management of Heart Failure  
*Marrick L. Kucin, MD*

9:00 Echocardiography to Optimize Cardiac Resynchronization  
*Kiran Sagar, MD*

9:30 Principles and Techniques in Exercise and Pharmacological Stress Echocardiography  
*Farooq A. Chaudhry, MD*

10:15 *Refreshment Break and Exhibits*

10:30 Stress Echocardiography for Risk Stratification and Prognosis in Patients with CAD  
*Siu-Sun Yao, MD*

11:00 Stress Echocardiography for Risk Stratification Post MI  
*Kiran Sagar, MD*

11:30 Viable Myocardium, Diagnosis, Risk Stratification and Prognosis  
*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*

12:45 *Luncheon (Included)*

**Contrast Echocardiography: New and Evolving Technologies**

1:45 Contrast Echo: A Synopsis for the Practicing Physician  
*Farooq A. Chaudhry, MD*

2:30 How to Introduce Contrast in Your Lab: Optimal Knobology  
*Binoy K. Singh, MD*

3:00 Contrast Echocardiography in Assessment of Myocardial Perfusion and Beyond  
*Farooq A. Chaudhry, MD*

3:30 *Refreshment Break and Exhibits*

3:45 Live Demonstration of Contrast Echo for LV Opacification, Endocardial Border and Spectral Doppler Signal Enhancement, with Emphasis on Equipment Settings  
*Deborah Cantales, RDCS*  
*Farooq A. Chaudhry, MD*  
*Binoy K. Singh, MD*

4:15 DTI, Myocardial Strain and Strain Rate Imaging, Clinical Indications and Case Studies  
*David D. McPherson, MD*

4:45 3D and 4D Echocardiography: Clinical Utility and Future Directions  
*Navin C. Nanda, MD*

5:30 PISA For Mitral Regurgitation and Far Beyond  
*Muhammed Saric, MD*

6:00 *Adjourn: Turn in Evaluations*

**FOURTH ANNUAL ECHO NEW YORK<sup>SM</sup> '04**

**Day 3 Monday, October 11, 2004**

7:30 *Registration and Continental Breakfast*

**Congenital Heart Disease: New and Evolving Technologies**

8:00 **Basic Approach to Adult Congenital Heart Disease and Case Studies: Pediatric Cardiologist's Perspective**

*Deborah Friedman, MD*

9:15 **Basic Approach to Adult Congenital Heart Disease and Case Studies: Adult Cardiologist's Perspective**

*Kiran Sagar, MD*

10:15 *Refreshment Break and Exhibits*

10:30 **Role of Intracardiac Echo in the EP Lab: Clinical Applications**

*Jonathan S. Steinberg, MD*

11:00 **Role of Intravascular Ultrasound in the Cardiac Catheterization Laboratory: Clinical Applications**

*James R. Wilentz, MD*

11:30 **Cardiac Magnetic Resonance Imaging: Replace or Compliment Echocardiography?**

*Lawrence M. Boxt, MD*

12:00 **CT Coronary Angiography: Is It Ready for Prime Time?**

*James Slater, MD*

12:30 *Closing Remarks*

*Conference Adjourned: Turn in Evaluations*

**Monday, October 11, 2004 CONCURRENT WORKSHOPS**

8:00 **Workshop A**

**MODERATOR: Mark V. Sherrid, MD**  
**Transthoracic Echocardiography, DTI, PISA**

*Deborah Cantales, RDCS*

*Michael Passick, RDCS*

8:45 **Workshop B**

**MODERATOR: Binoy K. Singh, MD**  
**Stress Echocardiography**

*Deborah Cantales, RDCS*

*Michael Passick, RDCS*

*Danny J. Pud pud, RDCS*

9:30 **Workshop C**

**MODERATOR: Mark Sherrid, MD**  
**Transesophageal Echocardiography**

*Eyal Herzog, MD*

*Michael Passick, RDCS*

*George Minix, RDCS*

10:15 *Refreshment Break and Exhibits*

10:30 **Workshop D**

**MODERATOR: Deborah Friedman, MD**  
**Congenital Heart Disease**

*Lynette Duncanson, RDCS*

11:30 **Workshop E**

**MODERATOR: Binoy K. Singh, MD**  
**Contrast Echocardiography**

*Deborah Cantales, RDCS*

*Michael Passick, RDCS*

*Danny J. Pud pud, RDCS*

**Program Schedule**

**Fourth Annual**

***ECHO New York<sup>sm</sup> '04***

**Saturday, October 9 – Monday, October 11, 2004**

**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: \_\_\_\_\_

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

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

***Tuition***

Includes three continental breakfasts, 2 luncheons, refreshment breaks and a course syllabus

	By September 7	After September 7
Physicians	<input type="checkbox"/> \$640	<input type="checkbox"/> \$695
Residents, Fellows		
Sonographers and Nurses	<input type="checkbox"/> \$395	<input type="checkbox"/> \$445

*Residents and fellows must enclose a letter 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  
 New York, NY 10025  
 Fax 212-523-2074

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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***