



**ASE** American Society of  
Echocardiography  
*Heart & Circulation Ultrasound Specialists*

# SIGHTS AND SOUNDS *of* ECHOCARDIOGRAPHY *in the Heart of the Big Apple*

**MAY 22-25, 2008**

## **Focus:**

- Fundamentals of Echocardiography
- Application of Echocardiography for the Practitioner
- Special Session for Sonographers
- Workshop

**Presented at:**

**New York Marriott Marquis  
New York, NY**

**Sonographer Credits and Physician Credits**

**28.5 CME Credits**

## **Program Directors:**

**Bijoy K. Khandheria, M.D., FESC, FACC, FASE**  
**Itzhak Kronzon, M.D., FESC, FACC, FAHA, FASE, FACP**  
**Roberto M. Lang, M.D., FACC, FAHA, FESC, FASE**  
**Natesa G. Pandian, M.D., FACC**

## **Jointly Sponsored by:**

**American Society of Echocardiography and  
UltraEcho, Ltd.**

**In cooperation with Mayo Clinic and  
New York University School of Medicine**



School of Medicine  
New York University



**MAYO CLINIC**

# GENERAL INFORMATION

## PROGRAM OVERVIEW

*Sights and Sounds of Echocardiography in the Heart of the Big Apple* is a premier education venue for echocardiologists, sonographers, fellows in training, and cardiologists in clinical practice. This is held in joint sponsorship with the American Society of Echocardiography, whose goal is to serve the educational needs of its members. The program will be redesigned yearly to accommodate the evolving needs of inquisitive attendees. It is also an opportunity to review material prior to certification examinations in echocardiography for physicians and sonographers.

**Topics** include quantitative echocardiography, valvular and ischemic heart disease, stress echocardiography, advances in imaging in coronary disease, state-of-the-art and clinical applications of transesophageal echocardiography, diastology, physiological disease management, and myopericardial diseases. At no additional charge, Special Workshops are available on focused topics of interest to the general as well as specialty participants.

**Unique Features:** Workshops which encourage one-on-one interaction. Efforts will be made to introduce the clinical applications using new technology, however, *there is no hands-on experience provided*. Detailed syllabus materials will be provided.

## OBJECTIVES

Upon completion of this program, attendees should be able to:

- Identify essential physical principles of cardiac ultrasound
- Identify common ultrasound artifacts and their genesis and how to avoid them
- Estimate myocardial function using standard M-mode and 2-D echocardiography as well as newer modalities such as strain imaging, vector velocity imaging, speckle tracking
- Apply the ASE standard recommendations for quantification of the left and right ventricles
- Recognize and quantitate valvular heart disease severity, apply current guidelines, and use the ASE standards for quantification
- Perform clinically relevant calculations of valve areas and intracardiac pressures
- Apply conventional and tissue Doppler techniques to diastolic function analysis
- Improve the accuracy of stress echo interpretations
- Differentiate features of cardiac tamponade, constrictive pericarditis, and restrictive cardiomyopathy
- Determine important applications of transesophageal echocardiography
- Recognize pitfalls associated with contrast and avoiding them in daily practice

# GENERAL INFORMATION

## WHO SHOULD ATTEND

The program is designed for adult and pediatric cardiologists, cardiovascular surgeons, anesthesiologists, radiologists, nurses, sonographers, and fellows in training. Participants should have practical knowledge of echocardiography.

## CREDIT

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 the American Society of Echocardiography and UltraEcho, Ltd. The American Society of Echocardiography is accredited by the ACCME to provide continuing medical education for physicians.

The American Society of Echocardiography designates this educational activity for a maximum of 28.5 *AMA PRA Category 1 Credits*<sup>™</sup>. Physicians should only claim credit commensurate with the extent of their participation in the activity.

ARDMS and CCI recognize ASE's certificates and have agreed to honor the credit hours toward their registry requirements for sonographers.

The American Society of Echocardiography is committed to resolving all conflict of interest issues, and its mandate is to retain only those speakers with financial interests that can be reconciled with the goals and educational integrity of the educational program. Disclosure of faculty and commercial support sponsor relationships, if any, will be made known at the symposium.

## FEE

Early registration saves \$100 in each member category. See the application for details. Your registration fee will be confirmed by mail. Registration fee includes continental breakfasts, breaks, lunches, and the syllabus. The deadline to register in advance is Wednesday, April 30, 2008. *After this date, individuals must register at the on site rate.*

Reduced fee for American Society of Echocardiography (ASE) members. If you are not currently a member and wish to become one, please refer to [www.asecho.org](http://www.asecho.org)



# GENERAL INFORMATION

## LODGING

### New York Marriott Marquis in Times Square

**Location:** Positioned on famed Broadway in New York City, The Marriott Marquis NYC in Times Square is within three blocks of more than 30 theaters. The Marriott Marquis is seven miles from LaGuardia Airport, 18 miles from JFK Airport and 17 miles from Newark International Airport. Guests also are within blocks of luxurious shopping on Fifth Avenue, Rockefeller Center, Radio City Music Hall and MTV -- a location that will give guests the feel they are truly in the center of it all.

**Hotel Features:** The hotel's eighth-floor lobby features a neon-lit clock inside a Plexiglas globe and a waterfall fountain gently cascading over a backlit glass wall. The ride up the atrium to the guest rooms in the glass-walled elevators is an experience in itself. The Marriott Marquis' the View Restaurant and Lounge, which serves contemporary American cuisine, is the city's only revolving, rooftop restaurant. The Marriott also includes JW's Steakhouse, which features an extensive wine list. Encore, the hotel's theater-themed restaurant, serves meals in a lively room with a tiled mosaic, gold-and-black-striped glass, and a colorful Broadway-motif mural. The Katen Sushi Bar dishes up fresh sushi and sashimi. Another outstanding feature of this New York City hotel is its 4,000-square-foot fitness center, which overlooks Time Square. The Marriott also features a travel desk, theater ticket desk, and 24-hour business center. The hotel houses the Marquis Theatre, located on the third floor, so guests can catch a Broadway production without even leaving the building.

To secure your room at the Marriott Marquis Times Square, please call 800-843-4898 or 212-704-8700 and state that you will be attending the Echo program. The room rate is \$297 single/double a night. When you make your reservation, please be sure to ask about any additional fees, early departure fees, or cancellation penalties. The room block is scheduled to be held until **Wednesday, April 30, 2008**, however, may be sold out before this date. Therefore, we advise you to register for the program and reserve lodging as soon as possible.

For further information regarding the area and its attractions, please contact the New York Visitor Bureau at: <http://www.nycvisit.com>

We encourage participation by all individuals. If you have a disability, advance notification of any special needs will help us better serve you.



# GENERAL INFORMATION

## CANCELLATIONS

Because of advance planning requirements, a full refund will be given if you cancel in writing at least four weeks before the first day of the program. A full refund minus a \$100 processing fee will be given for written cancellations received fewer than four weeks before the first day of the program (Wednesday, April 30, 2008). No refund will be given for no-shows or for a one-day registration.

In the unlikely event that the program is canceled, course registration fees will be refunded, less a \$100 processing fee; however, the American Society of Echocardiography, Mayo Clinic, or New York University School of Medicine are not responsible for any travel or hotel costs you may incur.

### Area Activities

- Times Square – Adjacent
- Fifth Avenue and Madison Avenue Shopping – 2 Blocks
- Broadway Theaters – 1 Block
- Statue of Liberty – 4 Miles
- New York Public Library – 6 Blocks
- St. Patrick's Cathedral – 8 Blocks
- Good Morning America Set – 5 Blocks
- Today Show – 1 Mile/2 Kilometers
- Central Park – 1 Mile/2 Kilometers
- Carnegie Hall – 1 Mile/2 Kilometers
- UN Headquarters – 1.5 Miles/2.5 Kilometers
- Empire State Building – 1 Mile/1.5 Kilometers
- Madison Square Garden – 0.5 Miles/0.8 Kilometers
- Metropolitan Museum of Art – 3 Miles/4.8 Kilometers
- Solomon R. Guggenheim Museum – 3 Miles/5 Kilometers
- Radio City Music Hall and Rockefeller Center – 5 Blocks
- David Letterman - 4 Blocks



## TRANSPORTATION

The best transportation in New York is taxi and subway stations. Parking in New York has an additional cost at each location.

## PLEASE NOTE

Smoking is prohibited in all meeting rooms.

## EDUCATIONAL GRANTS

This activity is supported in part by unrestricted educational grants from various commercial firms. At the time of printing, a complete list of supporters was not available. Appropriate acknowledgment of support will be provided at the time of the activity.

# GENERAL INFORMATION

## PROGRAM DIRECTORS

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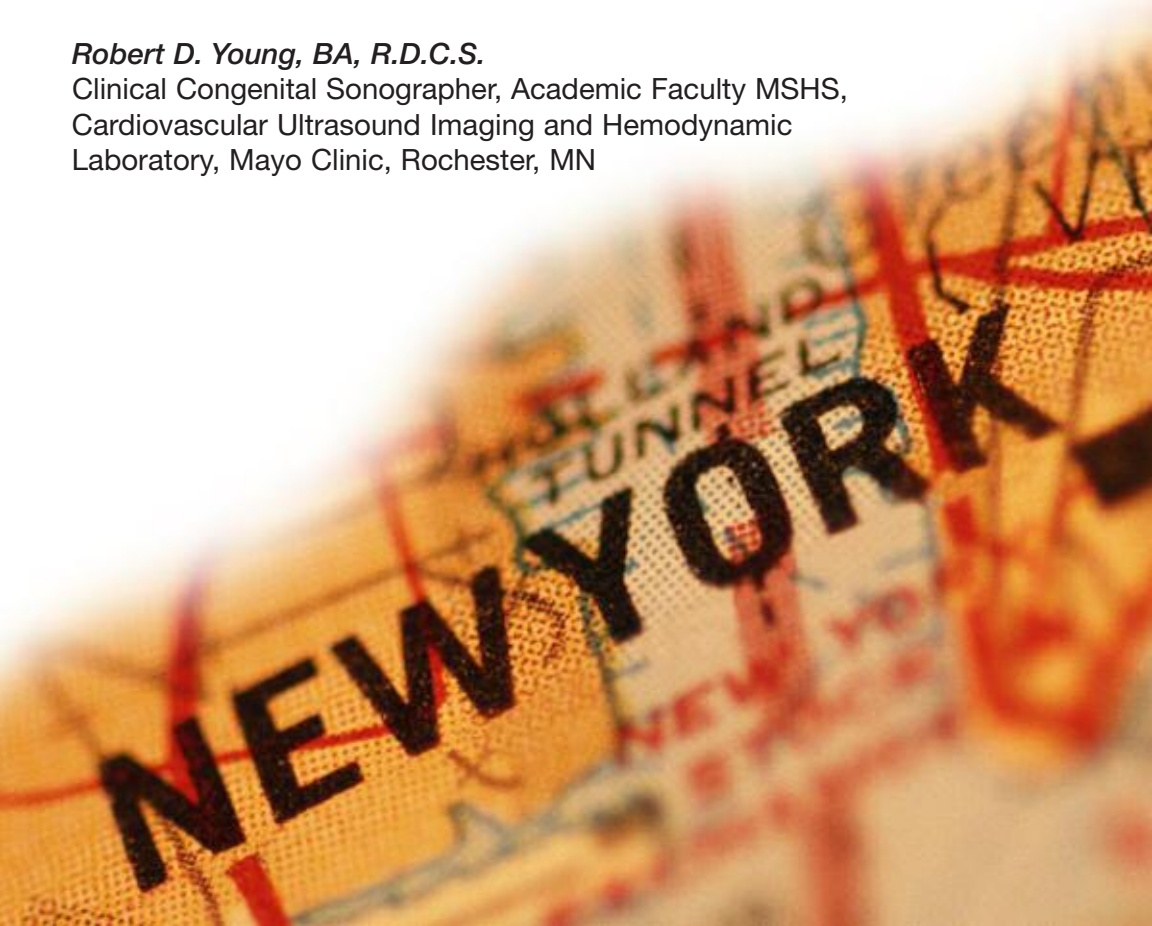
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# PROGRAM SCHEDULE

## SIGHTS AND SOUNDS *of* ECHOCARDIOGRAPHY *in the Heart of the Big Apple*

All sessions will be held at the JW New York Marriott Marquis, 1535 Broadway, New York, NY 10036.

Meeting Site Telephone: 212-398-1900; Guest Fax: 212-704-8930.

Registration: 5th Floor – 46th Street Registration Booth

Main Meeting Room: 5th Floor – Westside Ballroom 1-4

Exhibits/Breaks and Breakfast: 5th Floor – Lyceum Complex

Lunch: 8th Floor - The Broadway Lounge

Views expressed in this program are those of the individual speaker and do not necessarily reflect views of the American Society of Echocardiography, Mayo Clinic, or New York University School of Medicine.

### THURSDAY, MAY 22, 2008

11:00 a.m. Registration – 5th Floor – 46th Street Registration Booth

12:00 p.m. Welcome and Course Overview – *Dr. Itzhak Kronzon*

#### FUNDAMENTALS OF CARDIAC ULTRASOUND

This session is designed for participants who are wanting to learn about the physics and get knowledge on testing for certification examination.

Sonographers, fellows in training would benefit from this session.

*Mr. Matt M. Umland, presiding*

12:15-2:15 p.m. Principles of Sonography: Ultrasound, Transducers, Instruments, Artifacts  
*Frederic W. Kremkau, Ph.D.*

2:15-3:15 p.m. Principles of Doppler Ultrasound: Doppler Effect, Flow, Color, CW/PW  
*Frederic W. Kremkau, Ph.D.*

3:15-3:45 p.m. Refreshment Break – Visit Exhibits

#### ECHOCARDIOGRAPHY FOR VALVULAR HEART DISEASE

This session is designed for participants who want to learn the step by step approach to use 2-D, 3-D, Doppler echocardiography to quantitate valvular lesions. Sonographers, fellows in training, student sonographers would benefit from this session.

*Dr. Itzhak Kronzon, presiding*

3:45-4:10 p.m. 2-D, 3-D, Doppler Echocardiography in Mitral Stenosis  
*Edward S. Katz, M.D.*

4:10-4:25 p.m. Quantification of Mitral Regurgitation:  
Step-by-Step Approach  
*Steven A. Goldstein, M.D.*

4:25-4:40 p.m. Aortic Stenosis: Comprehensive Evaluation by  
Echocardiography  
*Roberto M. Lang, M.D.*

# PROGRAM SCHEDULE

- 4:40-4:55 p.m. Quantification of Aortic Regurgitation: Step by Step Approach  
*Hari P. Chaliki, M.D.*
- 4:55-5:15 p.m. Tricuspid Regurgitation, Tricuspid Stenosis: Illustrative Cases  
*Steven A. Goldstein, M.D.*
- 5:15-5:20 p.m. Panel Discussion  
*Drs. Katz, Goldstein, Lang, and Chaliki; Dr. Kronzon, moderator*
- 5:20-6:30 p.m. **Special Evening Workshop (For Sonographers Only)**  
**Location:** Belasco – 5th Floor  
Passing the Registry: Tips, Mock Examination  
*Frederic W. Kremkau, Ph.D.*
- Special Evening Workshop (For Physicians Only)**  
**Location:** Broadhurst – 5th Floor  
Echocardiography Boards. What You Need to Know.  
*Drs. Steven A. Goldstein, Itzhak Kronzon, and Edward S. Katz*

## FRIDAY, MAY 23, 2008

7:00 a.m. Continental Breakfast – Visit Exhibits

### MORPHOLOGY AND FUNCTION

This session is designed to provide the fundamental knowledge such that participants will be able to learn how to do a comprehensive evaluation of the left and right ventricular function and hemodynamics and, learn how to evaluate the left atrium. Principles and application of stress echocardiography will also be discussed.

*Dr. Roberto M. Lang, presiding*

- 7:30-7:55 a.m. 2-D, 3-D for Left Ventricle and Left Ventricular Systolic Function. ASE Recommendations State ....  
*Roberto M. Lang, M.D.*
- 7:55-8:20 a.m. Diastolic Function: Basic Concepts. What to Measure  
*A. Jamil Tajik, M.D.*
- 8:20-8:45 a.m. Right Ventricle, Right Ventricular Function, Right Heart Hemodynamics  
Use of 2-D, 3-D, Doppler  
*Natesa G. Pandian, M.D.*
- 8:45-9:10 a.m. Left Atrial Size, Left Atrial Volume: How to Measure. What Do ASE Recommendations State  
*Steven A. Goldstein, M.D.*
- 9:10-9:35 a.m. Stress Echocardiography: Principles, Case Examples, Pitfalls  
*Thomas Ryan, M.D.*
- 9:35-9:45 a.m. Questions for the Attendee. Questions From the Attendees.
- 9:45-10:15 a.m. Refreshment Break – Visit Exhibits

### MYOCARDIAL DISEASE, PERICARDIAL DISEASE

*Dr. Natesa G. Pandian, presiding*

- 10:15-10:35 a.m. Constrictive Pericarditis: Comprehensive 2-D, 3-D, Doppler Evaluation  
*Natesa G. Pandian, M.D.*
- 10:35-11:00 a.m. Echo-Directed Pericardiocentesis: Technique, Experience. Let Us Get Started  
*James B. Seward, M.D.*

# PROGRAM SCHEDULE

- 11:00-11:25 a.m. Hypertrophic Cardiomyopathy: Morphologic Variants. Diagnosis, Treatment  
*A. Jamil Tajik, M.D.*
- 11:25-11:55 a.m. Illustrative Cases of Myocardial and Pericardial Disease  
*Cases will demonstrate key features, what evaluation is required.*  
Amyloid Infiltration: *Muhamed Saric, M.D.*  
Mimickers of Amyloid: *Roger L. Click, M.D., Ph.D.*  
Eosinophilic Endomyocardial Disease: *Smadar Kort, M.D.*
- 11:55 a.m.-  
12:15 p.m. Ventricular Non Compaction, Radiation Heart Disease, Pheochromocytoma. Takatsubo – Illustrative Cases, Pathognomic Features  
*Roger L. Click, M.D., Ph.D.*
- 12:15-12:30 p.m. Panel Discussion  
*Drs. Seward, Tajik, Saric, Click, and Kort; Dr. Pandian, moderator*
- 12:30-1:45 p.m. Lunch – The Broadway Lounge – 8th Floor

## PARALLEL SESSIONS

### CLINICAL CHALLENGES IN VALVULAR HEART DISEASE

**Location:** Westside 1-4 (Main Ballroom)

This session is designed for physicians. Discussion will focus on the clinical aspects of valvular heart disease, use of guidelines and appropriateness of echocardiography.

*Dr. Hari P. Chaliki, presiding*

- 1:45-2:10 p.m. Asymptomatic Aortic Stenosis: To Operate or Not to Operate. To Exercise or Not to Exercise. ACC/AHA Guidelines Say ....  
*Bijoy K. Khandheria, M.D.*
- 2:10-2:35 p.m. Asymptomatic Severe Mitral Regurgitation. Two Strategies. Which Works When? ACC/AHA Guidelines Say  
*A. Jamil Tajik, M.D.*
- 2:35-3:00 p.m. Asymptomatic Severe Aortic Regurgitation: Timing of Operation. ACC/AHA Guidelines. Role of Vasodilators  
*Hari P. Chaliki, M.D.*
- 3:00-3:25 p.m. Endocarditis 2008. Diagnosis, Treatment. New SBE Prophylaxis Guidelines  
*Thomas Ryan, M.D.*
- 3:25-3:50 p.m. Mitral Regurgitation in Ischemic Heart Disease. What Is New in 2008  
*A. Jamil Tajik, M.D.*
- 3:50-4:00 p.m. Panel Discussion  
*Drs. Khandheria, Tajik, and Ryan; Dr. Chaliki, moderator*
- 4:00-4:30 p.m. Refreshment Break – Visit Exhibits

### SHUSH, BEHIND CLOSED DOORS FOR THE SONOGRAPHERS

**Location:** Juilliard Complex – 5th Floor

This session is designed for sonographers. Discussion will focus on technical aspects of echocardiography. At the end of the session will be a quiz demonstrating commonly encountered errors or missteps.

*Ms. Elizabeth (Beth) A. Rodriguez, presiding*

- 1:45-2:10 p.m. Unusual Imaging Windows: When and How to Employ Them  
*Matt M. Umland, R.D.C.S.*

# PROGRAM SCHEDULE

- 2:10-2:35 p.m. Carotid IMT, Carotid Artery Imaging: Technical Aspects  
*Ronald J. Buono, R.D.C.S., R.D.M.S., R.V.T.*
- 2:35-3:00 p.m. Diastolic Function: How to Obtain the Essential Measurements  
*Matt M. Umland, R.D.C.S.*
- 3:00-3:25 p.m. Mitral Regurgitation, Aortic Regurgitation: How to Obtain the Essential Measurements  
*Elizabeth (Beth) A. Rodriguez, R.D.C.S.*
- 3:25-4:00 p.m. Cases. I Present, You Interpret  
*Anthony J. Gargiulo, R.D.C.S., Matt M. Umland, R.D.C.S., and Mathew P. Varkey, B.S., R.D.C.S., R.D.M.S., R.V.T.*
- 4:00-4:30 p.m. Refreshment Break – Visit Exhibits
- 4:30-6:00 p.m. **Special Session.** Bring Calculators  
Participants will rotate to each of the groups. Instructors will use workbooks to go over examples. Simulation of questions that are commonly encountered in clinical practice and may appear on examinations.
- Chamber Quantification  
**Location:** Broadhurst/Belasco – 5th Floor  
*Dr. Smadar Kort and Mr. Matt M. Umland*
- Diastolic Function: Illustrative Cases  
**Location:** Juilliard/Imperial – 5th Floor  
*Dr. Muhamed Saric and Mr. Ronald J. Buono*
- Basic Doppler Echocardiography – Cardiac Output, Cardiac Index, Pulmonary Artery Pressure, Aortic Stenosis, Mitral Stenosis  
**Location:** Westside 1-4 (Main Ballroom)  
*Dr. Itzhak Kronzon and Ms. Elizabeth (Beth) A. Rodriguez*
- 6:00 p.m. Adjourn

## SATURDAY, MAY 24, 2008

- 7:00 a.m. Continental Breakfast – Visit Exhibits

### OLD AND NEW TECHNOLOGIES

This session is designed to provide the basic principles of new technologies in cardiovascular ultrasound and, disseminate applications by using illustrative examples.

*Dr. Robin S. Freedberg, presiding*

- 8:00-8:25 a.m. M-mode Echocardiography: Is It Alive?  
*Itzhak Kronzon, M.D.*
- 8:25-8:50 a.m. Vector Velocity Imaging: Principles, Validation, Application  
*Mani A. Vannan, MBBS*
- 8:50-9:15 a.m. Myocardial Strain, Strain Rate, Speckle Tracking, AFI  
Principles, Validation, Application  
*Itzhak Kronzon, M.D.*
- 9:15-9:40 a.m. Real Time 3-D Echocardiography: Technique, Value  
*Roberto M. Lang, M.D.*
- 9:40-9:50 a.m. Question and Answers. Panel Discussion  
*Drs. Kronzon, Vannan, and Lang; Dr. Freedberg, moderator*

# PROGRAM SCHEDULE

## SPECIAL TOPICS IN CARDIOVASCULAR IMAGING

This session will focus on topics of importance to the practicing physician, sonographer, laboratory manager. This will also shed light on complimentary technologies, appropriate use of imaging technologies, accreditation requirements, quality in echocardiography.

- 9:50-10:15 a.m. Appropriateness Criteria in Echocardiography: What Is This? How Does It Apply to Me?  
*Neil J. Weissman, M.D.*
- 10:15-10:40 a.m. Cardiac MRI, Cardiac CT: Complimentary or Competitive  
*Mario J. Garcia, M.D.*
- 10:40-11:05 a.m. Quality, Accreditation, Reimbursement. Is It Important. What Does ASE Say?  
*Thomas Ryan, M.D.*
- 11:05-11:20 a.m. Refreshment Break – Visit Exhibits

## CONTRAST ENHANCED ECHOCARDIOGRAPHY

*Dr. Mani A. Vannan, presiding*

- 11:20-11:55 a.m. Contrast Enhanced Left Ventricular Function Is Essential for High Quality Echocardiography. Black Box Warning. How to Implement  
*Thomas Ryan, M.D.*
- 11:55 a.m.-  
12:35 p.m. Illustrative Examples of Contrast Enhanced Echocardiography  
*Drs. Robin S. Freedberg, Daniel Spevack, and Neil J. Weissman*
- 12:35-1:30 p.m. Lunch – The Broadway Lounge – 8th Floor

## TRANSESOPHAGEAL ECHOCARDIOGRAPHY: 2008

*Dr. Roger L. Click, presiding*

- 1:30-1:55 p.m. Patent Foramen Ovale: To Close or Not to Close.  
*Bijoy K. Khandheria, M.D.*
- 1:55-2:20 p.m. Atherosclerosis of the Aorta: Disease or Manifestation of Disease. Guilty by Association or Smoking Gun  
*Paul A. Tunick, M.D.*
- 2:20-2:45 p.m. Intraoperative TEE in Mitral Valve Disease. Pathoanatomy Recognition  
*Roger L. Click, M.D., Ph.D.*
- 2:45-3:10 p.m. Percutaneous Valve Procedures. Critical Role of TEE  
*Steven A. Goldstein, M.D.*
- 3:10-4:00 p.m. TEE Cases. Some You Have Seen, Some You Will See  
*Roger L. Click, M.D., Ph.D., Robin S. Freedberg, M.D., and Daniel Spevack, M.D.*
- 4:00-4:30 p.m. Refreshment Break – Visit Exhibits

## WORKSHOP: IMAGING THE MYOCARDIAL MECHANICS

Participants will rotate to each of the workshop. This will be a practical demonstration of how new technologies of imaging the myocardium are being implemented on three selected manufacturers of ultrasound machines.

- 4:30-7:30 p.m. GE Way (**Location:** Broadhurst/Belasco, 5th Floor)  
*Dr. Itzhak Kronzon and GE Application Specialist*
- Philips Way (**Location:** Westside 1-4, Main Ballroom)  
*Dr. Roberto M. Lang and Philips Application Specialist*
- Siemens Way (**Location:** Juilliard/Imperial, 5th Floor)  
*Dr. Mani A. Vannan and Siemens Applications Specialist*

# PROGRAM SCHEDULE

**SUNDAY, MAY 25, 2008**

7:00 a.m. Continental Breakfast – Visit Exhibits

## PARALLEL SESSIONS

SPECIAL WORKSHOP (**Location:** Julliard Complex - 5th Floor)

7:30-9:45 a.m. 3-D Echocardiography: In the OR, Out of the OR  
*Drs. Roberto M. Lang and Itzhak Kronzon*

SPECIAL CONGENITAL SESSION (**Location:** Westside 1-4 (Main Ballroom))

7:30-8:00 a.m. Introduction: Adult Congenital Heart Disease in 2008  
*Frank Cetta, M.D.*

8:00-8:30 a.m. Shunt Lesions With Pulmonary Hypertension: Who Can Still Be Repaired?  
*Sabrina D. Phillips, M.D.*

8:30-9:00 a.m. Transcatheter Device Closure of Congenital Defects  
*Frank Cetta, M.D.*

9:00-9:30 a.m. Echo Assessment of Anomalous Pulmonary Venous Connections  
*Naser M. Ammash, M.D.*

9:30-9:45 a.m. Interesting Congenital Case  
*Robert D. Young, BA, R.D.C.S.*

9:45-10:00 a.m. Refreshment Break

10:00-10:30 a.m. Tetralogy of Fallot: When Is Pulmonary Valve Replacement Indicated?  
*Naser M. Ammash, M.D.*

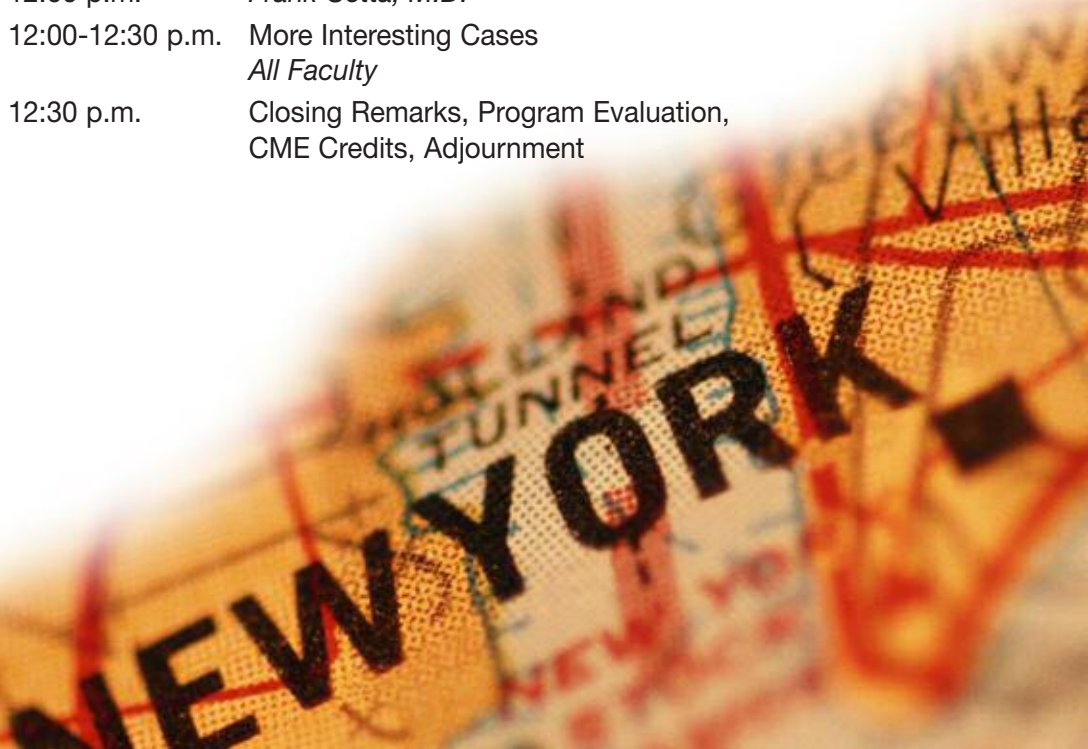
10:30-11:00 a.m. Prosthetic Conduits in Congenital Heart Disease  
*Sabrina D. Phillips, M.D.*

11:00-11:30 a.m. Ebstein Anomaly: Echo Assessment in the Adult  
*Robert D. Young, BA, R.D.C.S.*

11:30 a.m.-12:00 p.m. Coarctation of the Aorta: Current Management in the Adult  
*Frank Cetta, M.D.*

12:00-12:30 p.m. More Interesting Cases  
*All Faculty*

12:30 p.m. Closing Remarks, Program Evaluation, CME Credits, Adjournment



# SIGHTS AND SOUNDS *of* ECHOCARDIOGRAPHY *in the Heart of the Big Apple* MAY 22-25, 2008



**Mail Form and Payment To**

UltraEcho, Ltd.  
Attention: Sheryl Dohrmann/Sheila Fick  
200 1<sup>st</sup> Street SW/GO-06-138SW  
Rochester, MN 55905

**Phone or Fax Application To:**

**Telephone:** 507-266-6703/507-284-0536  
**Fax:** 507-266-7403  
**E-mail:** echocme@mayo.edu  
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Payment Received:	Tuition received on or before April 30, 2008	Tuition received after April 30, 2008
ASE Physician Member ASE Membership # _____	<input type="checkbox"/> \$615	<input type="checkbox"/> \$715
Nonmember Physician Reduced Fee*	<input type="checkbox"/> \$750	<input type="checkbox"/> \$850
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*\*Registrants in the reduced fees category are required to submit with the registration form proof of licensure, a business card, or a letter written on official letterhead and signed by a department supervisor verifying status.*

One-day fee (please check the one day you plan on attending)  \$200 (no refund given)  
 Thursday  Friday  Saturday  Sunday

**CONGENITAL WORKSHOP - Sunday, May 25, 2008 (no refunds given)**

- \$0 Free – Attending Sights and Sounds of Echocardiography Conference
- \$175 One-day Sunday Congenital Workshop Only
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*Heart & Circulation Ultrasound Specialists*

# SIGHTS AND SOUNDS *Of* ECHOCARDIOGRAPHY *in the Heart of the Big Apple*

**MAY 22-25, 2008**

**Presented at:**  
**New York Marriott Marquis**  
**New York, NY**

**Jointly Sponsored by:**  
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