

# Sights and Sounds of Echocardiography

*In the heart of the big apple*

May 24 to 27, 2012

*28.25 CME Sonographer and Physician Credits*

#### *Program directors*

**Itzhak Kronzon, MD, FESC, FACC, FAHA, FASE, FACP**  
**Bijoy K. Khandheria, MD, FESC, FACP, FAHA, FACC, FASE**  
**Smadar Kort, MD, FACC, FASE**  
**Roberto Lang, MD, FASE, FACC, FAHA**  
**Natesa G. Pandian, MD, FACC**  
**Muhammed Saric, MD, PhD, FACC, FASE**

#### *Presented at*

New York Marriott Marquis, New York, NY

*Over 100 cases will be shown to  
make teaching points*

*Course is for clinical echocardiographers and cardiologists,  
presented by individuals who are in clinical laboratories*

#### *Jointly sponsored by:*

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

#### *In cooperation with:*

Aurora Health Care, Milwaukee, WI  
New York State Chapter of the American College of Cardiology  
Lenox Hill Hospital, New York, NY  
New York University, New York, NY  
Stony Brook University Medical Center, Stony Brook, NY

#### *Focus*

- **Hemodynamics:** Basic and advanced calculations
- **Structural heart disease:** TAVR, Clip, PFO/ASD
- **Myocardial mechanics:** How, when, why
- **Advanced heart failure** including LVAD
- **Contrast-enhanced imaging:**  
Getting started, applications
- **3D imaging** – Basic, clinical use, integration into daily practice
- **Pericardial disease, myocardial disease**
- **Registry review**
- **ICAEL certification:** Requirements
- **Adults with congenital heart disease for the general echocardiographer and cardiologist** – presented by the Mayo Clinic Center for Congenital Heart Disease



New York State  
CHAPTER

# General Information

## Program overview

*Sights and Sounds of Echocardiography in the Heart of the Big Apple* is a premier education event 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 those who practice in the field of cardiovascular ultrasound. The program will be redesigned yearly to accommodate the evolving needs of inquisitive attendees.

Topics include basic and advanced quantitative Doppler hemodynamics, structural heart disease, state-of-the-art and clinical applications of transesophageal echocardiography, diastology, echocardiography and disease management, and myopericardial diseases. Two **special workshops** are offered to facilitate learning of 3D imaging and myocardial mechanics.

**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 electronic syllabus materials will be provided. Case-based approach to problems will be the major theme.

## Objectives

- Present established and emerging ultrasound imaging modalities and integrate information from these modalities in a cogent manner for point-of-care decision making
- Present information that thematically focuses on an integrated, multidisciplinary approach as an effective way to provide high quality care
- Present recent advances in the diagnosis and treatment of cardiovascular disease to cardiovascular specialists and related health care professionals
- Provide opportunity for interaction among experts and practitioners in question-and-answer sessions related to daily practice

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

- Incorporate 2D/3D echocardiography/Doppler information in clinical decision-making
- Apply state-of-the-art practice of obtaining myocardial mechanics information for application into clinical practice
- Assess Doppler and color flow imaging
- Assess LV function quantitatively (volumes, mass and EF)
- Recognize the usefulness of Doppler for assessing hemodynamics and diastolic function

- Describe the value and limitations of contrast echocardiography
- Identify roles of cardiovascular ultrasound for structural heart disease
- Apply ASE/ACC/AHA guidelines for valvular heart disease
- Apply knowledge of 3D echocardiography into clinical practice

## Who should attend?

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

## Syllabus

Attendees will be provided with a memory stick containing course materials. *No paper syllabus will be provided unless purchased at the time of registration for an additional cost of \$150.*

## Fee

Early registration saves \$100 in each member category. See registration form for details. Your registration fee will be confirmed by email or mail. Registration fee includes continental breakfasts, breaks, lunches and the electronic syllabus. The deadline to register in advance is **Thursday, April 26, 2012**. After this date, you must register at the onsite 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)

## Cancellations

Because of advance planning requirements, a full refund will be given if you cancel in writing at least four weeks before (Thursday, April 26, 2012) the first day of the program. *No refund will be given after April 26, 2012.*

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, Aurora Health Care and Lenox Hill Hospital are not responsible for any travel or hotel costs you may incur.

*Views expressed in this program are those of the individual speaker and do not necessarily reflect views of the American Society of Echocardiography, Aurora Health Care, Lenox Hill Hospital, Stony Brook University Medical Center, and MedMeetingsEtc., Ltd.*

## Credits

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 MedMeetingsEtc., 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 live activity for a maximum of 28.25 *AMA PRA Category 1 Credits*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The American Registry for Diagnostic Medical Sonography and the Competency and Credentialing Institute 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 ensuring that its educational mission and all sponsored educational programs are not influenced by the special interests of any corporation or individual, and its mandate is to retain only those speakers whose financial interests can be effectively resolved to maintain the goals and educational integrity of the program. While a monetary or professional affiliation with a corporation does not necessarily influence a speaker's presentation, the Essential Areas and policies of the ACCME require that any relationships that could possibly conflict with the educational value of the program be resolved prior to the educational session and disclosed to the audience. Disclosure of faculty and commercial support sponsor relationships, if any, will be made known at the symposium.

## 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.

## Lodging

### New York Marriott Marquis

1535 Broadway, New York, NY 10036

The New York Marriott Marquis is located in Times Square in the center of Manhattan's Midtown business and entertainment district.

To secure your room at the New York Marriott Marquis, call 506-474-2009 or 800-266-9432 and state that you will be attending the Echo program. The room rate is \$276/night for single/double occupancy. Online reservations can be made by going to: [https://resweb.passkey.com/Resweb.do?mode=welcoming\\_ei\\_new&eventID=3503446](https://resweb.passkey.com/Resweb.do?mode=welcoming_ei_new&eventID=3503446)

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 *Thursday, May 10, 2012*; however, it may be sold out before this date. Therefore, we advise you to register for the program and reserve lodging as soon as possible.

In the event a guest checks out prior to their reserved checkout date, an early departure fee of \$50 will be charged to that guest's individual account. Guests wishing to avoid this fee must advise hotel at or before check-in of any change in scheduled length of stay.

**Note:** *There is an automatic \$6.75 union baggage handling charge round trip (in/out) per person, per bag. Check-in time is 3 p.m. Check-out time is noon.*

For further information regarding the area and its attractions, please contact the New York tourism organization 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.

## 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.

## Program directors

*Itzhak Kronzon, MD, FACC, FACP, FASE, FAHA, FESC*  
Associate Chairman, Director, Cardiac Imaging Department of Cardiovascular Medicine, Lenox Hill Heart and Vascular Institute, New York, NY

*Bijoy K. Khandheria, MD, FESC, FACP, FAHA, FACC, FASE*  
Past President, American Society of Echocardiography; Director, Echocardiography Services, Aurora Medical Group, Aurora Cardiovascular Services, Aurora St. Luke's Medical Center, Milwaukee, WI; Clinical Professor of Medicine, University of Wisconsin School of Public Health and Medicine

*Smadar Kort, MD, FACC, FASE*

Incoming Governor, American College of Cardiology Downstate New York, Professor of Medicine, Director of Non-Invasive Cardiac Imaging, Director Echocardiography, Stony Brook University Medical Center, Stony Brook, NY

*Roberto M. Lang, MD, FACC, FAHA, FESC, FASE*  
Past President, American Society of Echocardiography; Professor of Medicine; Director, Noninvasive Cardiac Imaging Labs; Associate Director, Cardiology Fellowship Program, The University of Chicago Medical Center, Chicago, IL

*Natesa G. Pandian, MD, FACC*

Professor of Medicine, Tufts University School of Medicine; Director, New England Heart Valve Center; Co-Director, Center for Cardiovascular Imaging; Director, Cardiovascular Ultrasound Research, Tufts Medical Center, Boston, MA

*Muhamed Saric, MD, PhD, FACC, FASE*

Director of Echocardiography Lab, Associate Professor of Medicine, Leon H. Charny Division of Cardiology, New York University Langone Medical Center, New York, NY

## Faculty

*Naser M. Ammash, MD, FACC, FASE*

Professor of Medicine and Pediatrics, Division of Cardiovascular Diseases, Adult Congenital Heart Clinic, Co-Director, Echocardiography Laboratory, College of Medicine, Mayo Clinic

*Andrew Boyle, MD*

Medical Director, Heart Failure and Cardiac Transplantation, Aurora St. Luke's Medical Center, Milwaukee, WI

*Tanvir Bajwa, MD, FACC, FSCAI*

Clinical Professor of Medicine, Associate Head, Cardiovascular Disease Section; Director, Cardiac Catheterization Laboratory; Director, Peripheral Vascular Laboratory, Director, Interventional Cardiology Fellowship Program, Aurora Sinai Medical Center, Aurora Health Care, Milwaukee WI

*Frank Cetta, MD, FACC, FASE*

Professor of Medicine and Pediatrics, Division of Pediatric Cardiology and Cardiovascular Diseases, Adult Congenital Heart Clinic Chair, Pediatric Cardiology, College of Medicine, Mayo Clinic

*Bev Gorman, RDCS*

Director of Accreditation – Echocardiography ICAEL, Ellicott, MD

*Steven A. Goldstein, MD, FACC*

Director, Noninvasive Cardiology, Washington Hospital Center, Washington, DC

*Anna Hamza, RDCS*

Clinical Sonographer, Echocardiography Laboratory, Lenox Hill Hospital, New York, NY

*Jonathan N. Johnson, MD*

Assistant Professor of Medicine, Division of Pediatric Cardiology, Head, Pediatric Heart Failure/Transplant/VAD Program, College of Medicine, Mayo Clinic

*Laura S. Johnson, RDCS*

Clinical Sonographer, Cardiovascular Ultrasound Imaging and Hemodynamic Laboratory, Aurora Health Care, Milwaukee, WI

*Sharon Kay, PhD*

MSc(Perfusion), MSc(Echo), MPH, BSc(Hons), Registered Cardiac Sonographer, Northern Heart – Cardiac Services, Australia

*Christopher J. Kramer, BA, RDCS*

Clinical Sonographer, Cardiovascular Ultrasound Imaging and Hemodynamic Laboratory, Aurora Health Care, Milwaukee, WI

*Timothy E. Paterick, MD, J.D.*

Associate Professor of Medicine, Director of Cardiovascular Sports Medicine Screening, Aurora Health Care, Milwaukee, WI

*Gila Perk, MD, FACC, FASE*

Associate Director, Echocardiography Laboratory, Lenox Hill Interventional Cardiac and Vascular Services, Lenox Hill Hospital, New York, NY

*Fernada Peters*

Director of Echocardiography, Chris Hani Baragwanath Academic Hospital, University of the Witwatersrand, Johannesburg, South Africa

*Sabrina Phillips, MD, FACC*

Assistant Professor of Medicine, Division of Pediatric Cardiology, Head, Pediatric Heart Failure/Transplant/VAD Program, College of Medicine, Mayo Clinic

*Carlos E. Ruiz, MD, PhD*

Chief of the Division of Structural & Congenital Heart Disease, Department of Interventional Cardiology at Lenox Hill Hospital, New York, NY

*Partho P. Sengupta, MD, DM, FASE*

Associate Professor of Medicine, Zena and Michael A. Wiener Cardiovascular Institute, Marie-Josée and Henry R. Kravis Center for Cardiovascular Health Senior Faculty, Mount Sinai Heart, New York, NY

*Daniel Spevack, MD, FASE, FACC*

Director, Noninvasive Cardiology, Montefiore Medical Center - Moses Campus, Associate Professor of Medicine - Albert Einstein College of Medicine

*A. Jamil Tajik, FACC, FAHA*

Professor Emeritus, Thomas J. Watson, Jr., Professor of Medicine, Mayo Clinic, Rochester, MN; Associate Program Director, Cardiovascular Disease Fellowship, Aurora Health Care, Consulting Cardiologist, Aurora St. Luke's Medical Center, President, Aurora Cardiovascular Services, Aurora Health Care, Milwaukee, WI

*Shannon Treiber, RDCS*

Clinical Sonographer, Cardiovascular Ultrasound Imaging and Hemodynamic Laboratory, Aurora Health Care, Milwaukee, WI

*Matt M. Umland, RDCS, FASE*

Echocardiography Quality Coordinator, Advanced Clinical and Research Sonographer, Cardiovascular Ultrasound Imaging and Hemodynamic Laboratory, Aurora Health Care, Milwaukee, WI

*Mani A. Vannan, MBBS, MD, FACC*

# Program Schedule

## All sessions will be held at the

New York Marriott Marquis

1535 Broadway, New York, NY 10036

506-474-2009 • 800-266-9432

**Registration: 5th floor, Lyceum Complex**

**Main Meeting Room: Westside Salon,  
Rooms 3 & 4**

**Exhibits, Breaks & Breakfast: Lyceum Complex**

**Lunch: Westside Salon, Rooms 1 & 2**

## Thursday, May 24

### Noon Registration

12:45 p.m. Welcome and introduction  
– *Itzhak Kronzon, MD, and  
Bijoy Khandheria, MD*

### Simultaneous Sessions

#### The Good, the Bad, the Ugly

This session is designed for sonographers and students of ultrasonography and will cover how to and how not to just have ...value of contrast enhanced imaging will be demonstrated. Special syllabus material will be provided. – *Matt Umland, RDCS, presiding*

1 - 3:30 p.m. *Faculty: Laura Johnson, Chris Kramer;  
Shannon Trebier, Anna Hamza and  
Bijoy Khandheria, MD*

- Left Ventricular Systolic Function: Biplane Simpson, 3D LVEF
- Left Atrial Volume: Why? How? How not?
- Right Ventricle: Size and Function
- Evaluation of patient with suspected pulmonary hypertension
- Basic Doppler Measurement
- Aortic Valve Evaluation: The right and the wrong way
- Mitral Valve Area
- Aortic Regurgitation
- Mitral Regurgitation
- Diastolic Function

#### Review of Echocardiography

This **special session** is designed to provide a comprehensive review of echocardiography for those who need to spruce up on basic echocardiography. Appropriate for cardiology trainees or clinical cardiologists who are engaged in the practice of echocardiography. Critical care and intensive care specialists will also find this session informative. – *Smadar Kort, MD, presiding*

- 1 p.m. Left ventricular systolic function: What is expected to know? Illustrative cases will highlight what may appear on examination – *Smadar Kort, MD*
- 1:30 p.m. LV diastolic function: Bench to bedside with illustrative cases – *Muhamed Saric, MD*
- 2 p.m. M-Mode echocardiography: What do you need to know for examination  
– *Itzhak Kronzon, MD*

2:30 p.m. Mitral stenosis: Quantification  
– *Daniel Spevack, MD*

3 p.m. Mitral valve prolapse, mitral regurgitation (quantification) – *Steve Goldstein, MD*

### 3:30 p.m. Refreshment break – visit exhibits

*Muhamed Saric, MD, presiding*

4 p.m. Aortic stenosis: Pitfalls in comprehensive 2D/3D evaluation. What you need for your examination in echocardiography  
– *Natesa Pandian, MD*

4:30 p.m. Aortic regurgitation: quantification  
– *Steven A. Goldstein, MD*

### 5 p.m. Adjourn

### Special Workshop I

#### Limited attendance. Pre-registration required.

5:10 p.m. **Workshop on Myocardial Mechanics**  
Myocardial mechanics 101: Understanding gaps and applying standards  
– *Partho Sengupta, MD*

Learn how to acquire data on different ultrasound machines and how to analyze the data  
– *Chris Kramer, RDCS, and  
Partho Sengupta, MD*

### 6:30 p.m. Adjourn

## Friday, May 25

### 6:30 a.m. Registration, continental breakfast – visit exhibits

### Early Bird Session

#### Contrast-Enhanced Imaging: 101

*Matt Umland, RDCS, presiding*

7 a.m. ICAEL requirements for contrast-enhanced imaging – *Bev Gorman, RDCS*

How to get started: Tale from a laboratory like yours – *Laura Johnson, RDCS*

Cases to demonstrate value in LV function, wall motion – *Shannon Treibier, RDCS*

Reimbursement and coding  
– *Matt Umland, RDCS*

#### Structural Heart Disease: State-of-the-art 2012

*Timothy Paterick, MD, presiding*

#### Aortic Valve: Triumphs and Tribulations Aortic Stenosis

8:25 a.m. Journey of aortic valve from sclerosis to stenosis: A road frequently traveled! To treat or not to treat – *A. Jamil Tajik, MD*

8:45 a.m. Aortic stenosis: Changing spectrum of disease – *Bijoy K. Khandheria, MD*

9:05 a.m. Clinical challenge – Asymptomatic severe aortic stenosis: ACC/AHA guidelines and pivotal role of echocardiography  
– *Steven A. Goldstein, MD*

9:25 a.m. TAVR: State-of-the-art 2012  
– Carlos Ruiz, MD

### Case Studies in Aortic Valve Disorders

9:45 a.m. Bicuspid valve  
– Bijoy K. Khandheria, MD  
Subvalvular AS – A. Jamil Tajik, MD

Low gradient AS  
– Itzhak Kronzon, MD

10:15 a.m. Panel discussion  
– Drs. Khandheria, Kronzon,  
Ruiz, Tajik and Goldstein;  
Dr. Paterick, moderator

**10:30 a.m. Refreshment break – visit exhibits**

### Aortic Valve

*Gila Perk, MD, presiding*

11 a.m. **Case studies:**  
Root and valve for TAVR  
– Mani Vannan, MBBS, FACE

Porcelain aorta and TAVR  
– Gila Perk, MD

Leaks after TAVR  
– Carlos Ruiz, MD, and  
Itzhak Kronzon, MD

Quadracuspid aortic valve  
– Daniel Spevack, MD

11:30 a.m. Clinician challenge – My patient has severe but asymptomatic aortic regurgitation. What should I do? How should I apply the ACC/AHA guidelines? Medical therapy ... which drug? – A. Jamil Tajik, MD

11:55 a.m. **Rapid-fire cases:**  
What is the cause of AR in this patient?  
– Gila Perk, MD

Unusual cause of AR  
– Timothy Paterick, MD

Aortic dissection and AR  
– Muhamed Saric, MD

11:55 a.m. Aortic root and AR – Smadar Kort, MD

**12:15 p.m. Lunch**

### Mitral Valve

*Muhamed Saric, MD, presiding*

1:30 p.m. Clinician challenge: My patient has severe mitral regurgitation but is asymptomatic – should I wait and watch or operate? How does one apply the ACC/AHA guidelines?  
– A. Jamil Tajik, MD

2:10 p.m. Mitral regurgitation in patients with ischemic heart disease. Critical role of 3D echocardiography – Roberto Lang, MD

2:30 p.m. Percutaneous mitral valve: State-of-the-art 2012 – Tanvir Bajwa, MD

2:50 p.m. Symphony of echocardiologist and interventional cardiology mitral clip  
– Bijoy Khandheria, MD, and  
Tanvir Bajwa, MD

TAVR  
– Itzhak Kronzon, MD, and  
Carlos Ruiz, MD

LAA occluder  
– Bijoy Khandheria, MD, and  
Tanvir Bajwa, MD

Percutaneous closure of paravalvular regurgitation: I  
– Itzhak Kronzon, MD, and  
Carlos Ruiz, MD

3:20 p.m. Panel discussion  
– Drs. Ruiz, Bajwa,  
Khandheria and Kronzon;  
Dr. Saric, moderator

**3:30 p.m. Refreshment break – visit exhibits**

### Tricuspid Valve, Prosthetic Valve

*Smadar Kort, MD, presiding*

4 p.m. Tricuspid and pulmonary regurgitation: Illustrative examples to demonstrate comprehensive evaluation by echocardiography – Steve Goldstein, MD

4:20 p.m. Evaluation of patient with prosthetic valve – Bijoy Khandheria, MD

4:40 p.m. **Case studies:**  
Patient prosthesis mismatch  
– Roberto Lang, MD

Abscess – Smadar Kort, MD

Dehiscence – Muhamed Saric, MD

What ails this mitral valve? A special visit to subsahara – Ferande Peters, MD

### Simultaneous Sessions

5:15 pm. **Sonographers: Review for sonographers who are taking their examinations – registry review; physics for the registry, artifacts**  
– Matt Umland, Chris Kramer and  
Laura Johnson

5:15 pm. **Physicians: Unforgettable cases from around the world**  
– Natesa Pandian, MD, presiding  
South Africa, “down under” and New York  
– Drs. Peters, Kay and Perk  
Doppler hemodynamic pearls  
– Natesa Pandian, MD

**6:15 p.m. Adjourn**

## Saturday, May 26

### 6:45 a.m. Continental breakfast – visit exhibits

7 a.m. ICAEL accreditation: all questions you wanted to ask – *Bev Gorman, RDCS*

### 3-D Echocardiography

7:30 a.m. Getting started with 3D echo: Basic anatomy and views – *Roberto Lang, MD*

Use in the interventional laboratory:  
– *Itzhak Kronzon, MD*

Mitral valve and aortic valve  
– *Roberto Lang, MD*

### Contrast-enhanced Imaging: Beyond the Basics

8:30 a.m. Appropriate knobology  
– *Matt Umland, RDCS*

Black box warning  
– *Mani Vannan, MBBS, FACC*

Contrast-enhanced imaging  
in stress echo  
– *Muhammed Saric, MD, and  
Laura Johnson, RDCS*

My two most valuable cases  
– *Smadar Kort, MD, and  
Shannon Trebier, RDCS*

Promoting widespread adoption  
– *Mani Vannan, MBBS, FACC*

### Myocardial and Pericardial Disease

*Partho Sengupta, MD, presiding*

9:30 a.m. Constrictive pericarditis: pathognomonic echo/doppler features. Do I need more? CT/MRI? – *Partho Sengupta MD*

9:50 a.m. Ventricular noncompaction: State-of-the-art 2012 – *Timothy Paterick, MD*

10:10 a.m. Hypertrophic cardiomyopathy 2012: An odyssey of epic proportion  
– *A. Jamil Tajik, MD*

10:30 a.m. Spectrum of hypertrophic cardiomyopathy: It is not just the septum  
– *Natesa Pandian, MD*

10:50 a.m. Panel discussion  
– *Drs. Paterick, Tajik and Pandian  
Dr. Sengupta, moderator*

### 11 a.m. Refreshment break – visit exhibits

### Case Studies – *Roberto Lang, MD, presiding*

11:30 a.m. Grades of tricuspid regurgitation  
– *Chris Kramer, RDCS*

Functional TR – *Steve Goldstein, MD*

TR following pacemaker: entrapment or not  
– *Matt Umland, RDCS*

Carcinoid heart disease – *Smadar Kort, MD*

Unmasked by the bubbles  
– *Natesa Pandian, MD*

Flail tricuspid valve – *Timothy Paterick, MD*

Pulmonary embolism  
– *Shannon Trebier, RDCS*

Amyloid heart disease – *Roberto Lang, MD*

Hypereosinophilia – *Natesa Pandian, MD*

All that is thick is not  
– *Bijoy Khandheria, MD*

Cardiac masses – *Natesa Pandian, MD,  
and Smadar Kort, MD*

### 1:30 p.m. Lunch – visit exhibits

### Advanced Heart Failure – *Mani Vannan, MD, presiding*

2:30 p.m. Systolic heart failure: Role of 2D/3D echo/Doppler in assessment and management. Is vortex imaging ready for application? What is vortex imaging?  
– *Mani Vannan, MD*

2:50 p.m. Heart failure with normal systolic function: epidemiology, pathophysiology, management – *A. Jamil Tajik, MD*

3:10 p.m. Advanced heart failure management strategies – *Andrew Boyle, MD*

3:30 p.m. LVAD: What information should an echocardiographer obtain?  
– *Matt Umland, RDCS, and  
Chris Kramer, RDCS*

3:50 p.m. LVAD – Illustrative cases  
– *Timothy Paterick, MD*

4:10 p.m. Panel discussion  
– *Drs. Boyle, Tajik, Paterick and  
Matt Umland and Chris Kramer  
Moderator: Dr. Vannan*

### 4:20 p.m. Refreshment break – visit exhibits

### Case studies – *Dr. Ferande Peters, presiding*

4:45 p.m. LV noncompaction and mitral valve  
– *Ferande Peters, MD*

Cardiac tamponade  
– *Natesa Pandian, MD*

Pericardial effusion, pericardial fat  
– *Muhammed Saric, MD*

4:45 p.m. Constriction or restriction  
– *Chris Kramer, RDCS*

Athlete heart – *Roberto Lang, MD*

A case which I could never forget  
– *Steven Goldstein, MD*

### 5:45 p.m. Adjourn

## Sunday, May 27

7 a.m. Continental breakfast – visit exhibits

### Controversial and Not So Controversial

*Bijoy Khandheria, MD, presiding*

- 7:30 a.m. Patent foramen ovale: State-of-the-art 2012  
– *Bijoy Khandheria, MD*
- Atherosclerosis of the aorta: Innocent bystander or lurking evil  
– *Itzhak Kronzon, MD*
- Aortic dissection, aortic ulcer, intramural hematoma – *Steve Goldstein, MD*
- Complications of myocardial infarction, RV infarction – *Smadar Kort, MD*
- Ruptured papillary muscle  
– *Roberto Lang, MD*
- Pseudo aneurysm – *Bijoy Khandheria, MD*
- Myocardial rupture – *Muhamed Saric, MD*
- Ventricular septal defect (VSD)  
– *Itzhak Kronzon, MD*
- Aneurysm and thrombus  
– *Steven Goldstein, MD*

### Special Session

#### Mayo Clinic Center for Congenital Heart Disease presents Adults with Congenital Heart Disease: What Every Echocardiographer Must Know

– *Frank Cetta, MD, presiding*

- 10 a.m. Adult Congenital Heart Disease (ACHD) in 2012 – *Frank Cetta, MD*
- 10:15 a.m. Tetralogy of Fallot timing of pulmonary valve replacement – *Naser Ammash, MD*
- 10:45 a.m. Catheter-based intervention for ACHD  
– *Frank Cetta, MD*
- 11:15 a.m. Pregnancy in ACHD  
– *Sabrina Phillips, MD*
- 11:45 a.m. Interesting cases – *Jonathan Johnson, MD, and Naser Ammash, MD*
- 12 p.m. Refreshment break – visit exhibits**
- 12:15 p.m. Unique management and treatment issues in ACHD – *Sabrina Phillips, MD*
- 12:45 p.m. Transplant and VAD therapy in ACHD  
– *Jonathan Johnson, MD*
- 1:15 p.m. Interesting cases – *Sabrina Phillips, MD, and Frank Cetta, MD*
- 1:45 p.m. Questions, answers, discussion – *All faculty*
- 2 p.m. Adjourn**





# Sights and Sounds of Echocardiography

*in the heart of the big apple* May 24 to 27, 2012

## Registration Form

Mail form and payment to:

**MedMeetingsEtc., Ltd.**

ATTN: Denise Mezydlo

2801 W. Kinnickinnic River Parkway, Suite 175

Milwaukee, WI 53215

Phone or fax application to:

Phone 414-649-5616

Fax 414-385-7158

Email [info@medmeetingsetc.org](mailto:info@medmeetingsetc.org)

Online registration: [www.asecho.org](http://www.asecho.org)

(Please print or type all information. You may duplicate this form for multiple registrations.)

Name \_\_\_\_\_

Institution \_\_\_\_\_

Degree  MD  DO  PhD  RN  RCS  RDCS  \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

Email \_\_\_\_\_

Phone \_\_\_\_\_ FAX \_\_\_\_\_

If you need disability accommodations, please check here and advise us of your needs at least two weeks before the program \_\_\_\_\_

Special dietary request  Kosher vegetarian (no meat)  Vegetarian (chicken/fish allowed)

Payment

Tuition received on or **before** 4/26/12

Tuition received **after** 4/26/12

ASE Physician Member  **\$760**

**\$900**

State Chapter of NY ACC  **\$760**

**\$900**

Non-Member Physician  **\$950**

**\$1100**

ASE Member Reduced Fee\*  **\$440**

**\$550**

Non-Member Reduced Fee\*  **\$550**

**\$650**

Fellow in training  Resident  Nurse  Physician Assistant  Sonographer  Emeritus staff

\*Registrants in the reduced fee categories 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)  **\$350** (no refund given)

Thursday  Friday  Saturday  Sunday

Each attendee will be provided an electronic syllabus. If you wish to have a paper syllabus printed, an additional fee of \$150 will apply.  I would like to purchase a paper syllabus at the additional cost of \$150

Payment must accompany application

Check (payable to MedMeetingsEtc., Ltd. in U.S. dollars drawn on a U.S. bank)

Credit Card:  VISA  MasterCard  AMEX  Discover

Cardholder Name \_\_\_\_\_

Signature \_\_\_\_\_

Card Number \_\_\_\_\_ Exp. Date \_\_\_\_\_

Address if different from above \_\_\_\_\_