

Sights and Sounds of Echocardiography

in the Heart of the Big Apple

May 23 to 26, 2013

31.0 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
Muhamed Saric, MD, PhD, FACC, FASE

New for 2013

Read with the experts
Review for ASE board examination
IAC workshop

Presented at

Sheraton Hotel, New York, NY

Focus

Case-based learning

- Hemodynamics: Calculations
- Structural heart disease
- Myocardial mechanics
- Advanced heart failure – LVAD
- Contrast-enhanced imaging:
 - 3D imaging – Integration into daily practice
 - Pericardial disease, myocardial disease

This activity is jointly sponsored by:

Global Education Group and MedMeetingsEtc, Ltd.

Co-sponsored by:

IAC

In cooperation with:

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

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CHAPTER



Sights and Sounds of Echocardiography

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May 23 to 26, 2013

MedMeetingsEtc., Ltd.
2801 W. Kinnickinnic River Parkway
Suite 175
Milwaukee, WI 53215

Standard
US Postage
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Milwaukee WI
Permit No. 1

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. The program is 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, clinical applications of transesophageal echocardiography, diastology and myopericardial diseases. Special workshops are offered to facilitate learning of 3D imaging and myocardial mechanics. Unique to 2013 is a workshop on accreditation in collaboration with IAC, Read with the Experts – small sessions interpretation for physicians and acquisition for sonographers and board-review type topics.

Unique features: Workshops which encourage one-on-one interaction. Efforts will be made to introduce the clinical applications using new technology; however, no hands-on experience is provided. Detailed electronic syllabus materials will be provided. There will be liberal use of cases to make specific points. Case-based approaches to problems will be the major theme.

Program goals

- 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 integrated, multidisciplinary approaches 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.

Learning objectives

- Incorporate 2D/3D echocardiography/Doppler information in clinical decision-making transforming information to knowledge
- Apply state-of-the-art practice of obtaining myocardial mechanics information for application into clinical practice
 - Quantitatively 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
 - Summarize the technology, indications and clinical uses of TEE
 - Identify roles of cardiovascular ultrasound for structural heart disease
 - Apply ASE/ACC/AHA guidelines for valvular heart disease
 - Apply knowledge of 3D echocardiography to clinical practice
 - Ability to apply for IAC accreditation of the laboratory

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.

Syllabus

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

Fee

Early registration saves \$100 in each category. See the application 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 April 23, 2013.** After this date, individuals must register on-site.

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 \$150 processing fee will be given for written cancellations received fewer than four weeks before the first day of the program (**April 23, 2013**). *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, Aurora Health Care and Lenox Hill Hospital are not responsible for any travel or hotel costs you may incur.

Credit

This activity has been planned and implemented in accordance with the essential areas and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of the Global Education Group (Global) and MedMeetingsEtc., Ltd. Global is accredited by the ACCME to provide continuing medical education for physicians.

Global Education Group designates this educational activity for a maximum of *31.0 AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Disclosure of conflicts of interest statement:

Global Education Group (Global) requires instructors, planners, managers and other individuals and their spouse/life partner who are in a position to control the content of this activity to disclose any real or apparent conflict of interest they may have as related to the content of this activity. All identified conflicts of interest are thoroughly vetted by Global and fair balance, scientific objectivity of studies mentioned in the materials or used as the basis for content, and appropriateness of patient care recommendations.

Americans with Disabilities Act

Event staff will be glad to assist you with any special needs (i.e., physical, dietary, etc.) Please contact Denise Mezydlo prior to the event at 414-649-5616.

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

Sheraton New York

811 7th Avenue 53rd Street
New York, NY 10019
800-325-3535

Sheraton New York is located on 7th Avenue between 52nd and 53rd Streets in midtown Manhattan. Just steps from the excitement of Broadway theatres, the prestige of Carnegie Hall and the world-class shopping of Fifth Avenue, our location is the perfect way to immerse yourself in the best that New York has to offer.

To secure your room at the New York Sheraton, please call 800-325-3535 and state that you will be attending the Echo program. The room rate is \$279 for a single/double per 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 April 22, 2013*; 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. You can also register online at <https://www.starwoodmeeting.com/StarGroupsWeb/booking/reservation?id=1207023139&key=45DFC>

In the event a guest checks out prior to the guest's 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 Visitor Bureau at www.nycvisit.com.

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

Transportation

It's best to travel via taxi or subway while in New York to avoid parking costs.

Please note

Smoking is prohibited in all meeting rooms.

Program directors

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Professor of Medicine and Radiology, Past President of the American Society of Echocardiography; Director, Noninvasive Cardiac Imaging Laboratories Section of Cardiology Department of Medicine, University of Chicago Medical Center, Chicago, IL

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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

Matt M. Umland, RDCS, FASE

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

Program schedule

All sessions will be held at
New York Sheraton Hotel
811 7th Avenue 53rd Street
New York, NY 10019
800-325-3535

Views expressed in this program are those of the individual speakers and do not necessarily reflect views of Aurora Health Care, Lenox Hill Hospital, New York State Chapter of ACCNYU, Stony Brook University Medical Center, IAC or MedMeetingsEtc., Ltd.

Thursday, May 23

Noon Registration

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

Simultaneous sessions

Sonographers Only

This session is designed to go over basic and advanced ultrasound modalities that sonographers encounter in day-to-day imaging using illustrative cases. There will also be a session on calculations. Adequate cases will be shown.

– *Matt Umland, RDCS, presiding*

- 1 p.m. *Faculty: Laura Johnson, Chris Kramer, 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

Physicians Only

Review of echocardiography for the boards

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 trainee, or clinical cardiologists who are engaged in practice of echocardiography. Critical care and Intensive care specialists will also find this session informative.

– *Smadar Kort, MD, presiding*

- 1 p.m. Left Ventricular: What is expected you know
Illustrative cases will highlight what appears on examination – *Muhammed Saric, MD*
- 1:30 p.m. Diastolic function: Bench-to-bedside with illustrative cases – *Steve Goldstein, MD*
- 2 p.m. M-mode echocardiography: What do you need to know for examination? – *Itzhak Kronzon, MD*
- 2:30 p.m. Mitral stenosis, aortic stenosis: Review and what to expect on board examination
– *Daniel Spevack, MD*
- 3 p.m. Mitral valve prolapse, mitral regurgitation (quantification) – *Steve Goldstein, MD*
- 3:30 p.m. Refreshment break, visit exhibits**
– *Muhammed Saric, MD, presiding*
- 4 p.m. AR, MR: Quantification
– *Daniel Spevack, Spevack, MD*
- 4:30 p.m. Right heart for the boards
– *Muhammed Saric, MD*
- 5 p.m. Doppler Strips: Interpret with me
– *Itzhak Kronzon, MD*
- 5:30 p.m. Tissue Doppler, speckle tracking, strain, strain rate – *Partho Sengupta, MD*
- 6 p.m. Cases that may appear on board examination
– *Gila Perk, MD, Smadar Kort, MD and Itzhak Kronzon, MD*
- 7 p.m. Adjourn**

Friday, May 24

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

7 a.m. Special workshop
Limited attendance.
Pre-registration required.

Myocardial Mechanics: 101 and beyond

This session is designed for sonographers and physicians. Acquisition, measurements and interpretation will be shown. Ultrasound machines and models may be used.

Myocardial Mechanics 101: Understanding, gaps and applying in practice – *Partho Sengupta, MD*

Learn how to acquire data on different ultrasound machines. Learn basics of myocardial mechanics: normal value, application.

– *Chris Kramer, RDCS, Matt Umland, RDCS, and Partho Sengupta, MD*

Illustrative cases in Myocardial Mechanics
– *Ferande Peters, MD*

Workshop on Contrast Enhanced Imaging

– Matt Umland, RDCS, presiding

- 8:15 a.m. IAC requirements – *Bev Gorman, RDCS*
Getting started: Training, machine settings, order sets – *Laura Johnson, RDCS*
Illustrative cases – *Chris Kramer, RDCS and Smadar Kort, MD*
Reimbursement and coding – *Matt Umland, RDCS*

Structural Heart Disease: State-of-the-art 2013

– Timothy Paterick, MD, presiding

Aortic Valve: Triumphs and Tribulations Aortic Stenosis

- 9 a.m. Epidemic of VHD is upon us – *A. Jamil Tajik, MD*
9:20 a.m. Aortic stenosis: Calculating severity, spectrum of disease and implications – *Bijoy K. Khandheria, MD*
9:40 a.m. Asymptomatic severe aortic stenosis: ACC/AHA guidelines and pivotal role of echocardiography – *Roberto Lang, MD*
10 a.m. TAVR: State-of-the-Art 2013 – *Carlos Ruiz, MD*

Case Studies in Aortic Valve Disorders

- 10:20 a.m. Bicuspid valve: Illustrative cases, associated anomalies – *Bijoy K. Khandheria, MD*
Low flow, low gradient AS; Normal function, low gradient AS – *Itzhak Kronzon, MD*
Subvalvular AS – *Gila Perk, MD*
10:50 a.m. Panel discussion – *Drs. Khandheria, Kronzon, Lang, Ruiz, Goldstein, Tajik; Dr. Paterick, moderator*

11 a.m. Refreshment break, visit exhibits

Aortic Valve

– Gila Perk, MD, presiding

- 11:30 a.m. Severe but asymptomatic aortic regurgitation. What should I do? How should I apply the ACC/AHA guidelines? Medical therapy – Which drug? – *Steve Goldstein, MD*
Case studies in disease of aortic valve
11:50 a.m. Aortic regurgitation – *Smadar Kort, MD*
12 p.m. Complications following/during TAVR – *Carlos Ruiz, MD, and Itzhak Kronzon, MD*

- 12:15 p.m. Common pitfalls in calculation of aortic valve area – *Muhamed Saric, MD*
12:25 p.m. What is the cause of AR?: 3D saves the day – *Roberto Lang, MD*

12:30 p.m. Lunch

Mitral Valve

– Smadar Kort, MD, presiding

- 1:30 p.m. Asymptomatic severe mitral regurgitation: State-of-the-art 2013 – *A. Jamil Tajik, MD*
1:50 p.m. How to calculate severity of MR: 2D, 3D. Common errors to avoid – *Steve Goldstein, MD*
2:10 p.m. Interventional echocardiography: Cath lab ASD closure – *Steve Goldstein MD*
Mitralclip – *Bijoy Khandheria, MD*
VSD closure – *Roberto Lang, MD*
Multiple ways to occlude the LAA – *Bijoy Khandheria, MD*
Paravalvular leaks – *Itzhak Kronzon, MD*
Valve-in-valve – *Itzhak Kronzon, MD*

Read with the Experts

- 3 p.m. **Valvular heart disease**
A. Jamil Tajik, MD, Steve Goldstein, MD and Itzhak Kronzon, MD
4 p.m. **Refreshment break – don't forget to visit the exhibits**

Special Disease

– Tim Paterick, MD, presiding

- 4:30 p.m. LV Noncompaction: What we know and what we do not know – *Timothy Paterick, MD*
4:50 p.m. Have you seen these cases of noncompaction? – *Ferande Peters, MD*
5:10 p.m. HCM: The journey continues – *A. Jamil Tajik, MD*

Tricuspid Valve, Pulmonary Hypertension

– Steve Goldstein, MD, presiding

- 5:30 p.m. Tricuspid and pulmonary regurgitation: Illustrative examples to demonstrate comprehensive evaluation by echocardiography – *Steve Goldstein, MD*
5:50 p.m. Evaluation of patient with pulmonary hypertension – *Timothy Paterick, MD*
6:15 p.m. **Adjourn**

Saturday, May 25

7 a.m. Continental breakfast – visit exhibits

3D Echocardiography

7 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*

Read with the Experts

8 a.m. Sonographer and physician:
Small group reading session of real, day-to-day studies
Sonographer and MD team – will cover points such as settings, what or how physician expects and wants
– *A. Jamil Tajik, MD, and Matt Umland, RDCS*
– *Itzhak Kronzon, MD, and Chris Kramer, RDCS*
– *Steve Goldstein, MD, and Laura Johnson, RDCS*

Myocardial and Pericardial Disease

– *Partho Sengupta, MD, presiding*

9:30 a.m. Constrictive pericarditis:
Multimodality imaging
– *Partho Sengupta, MD*

9:50 a.m. Illustrative cases: Variants of HCM;
what looks like but is not HCM
– *A. Jamil Tajik, MD*

10:10 a.m. Differentiating athlete heart from HCM
– *Tim Paterick, MD*

10:30 a.m. Panel discussion
– *Drs. Paterick and Tajik*
– *Dr. Sengupta, moderator*

10:40 a.m. Break, visit exhibits

Case Studies:

Illustrative examples, pathognomic features

– *Roberto Lang, MD, presiding*

11:10 a.m. Carcinoid heart disease
– *Smadar Kort, MD*

Amyloid heart disease
– *Steve Goldstein, MD*

Ebstein anomaly
– *Muhamed Saric, MD*

Chaga disease, RV dysplasia
– *Roberto Lang, MD*

Pulmonary embolism
– *Smadar Kort, MD*

12:15 p.m. Common cardiac masses:
Cases, pathognomic features
– *Tim Paterick, MD, and Muhamed Saric, MD*

Endocarditis and complications
– *Roberto Lang, MD, Bijoy Khandheria, MD, and Smadar Kort, MD*

Common but easy-to-miss cases
– *Steve Goldstein, MD*

1:30 p.m. Lunch, visit exhibits

Advanced Heart Failure

– *Tim Paterick, 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? Oh,
by the way, what is vortex imaging?
– *Roberto Lang, MD*

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

3:10 p.m. LVAD: Sonographer and physician
– *Matt Umland, RDCS, and Tim Paterick, MD*

3:40 p.m. Panel discussion
– *Drs. Lang, Tajik, and Matt Umland, RDCS*
Moderator: *Dr. Paterick*

4 p.m. Challenging cases in heart failure
– *Partho Sengupta, MD, and Muhamed Saric, MD*

4:30 p.m. Break, visit exhibits

Potpourri

– *Bijoy Khandheria, MD, presiding*

5 p.m. Patent foramen ovale: State-of-the-Art 2013.
Is the final nail in the coffin?
– *Bijoy Khandheria, MD*

Atherosclerosis of the aorta: Innocent bystander
or lurking evil?
– *Itzhak Kronzon, MD*

Aortic dissection, aortic ulcer, intramural
hematoma – *Smadar Kort, MD*

Complications of myocardial infarction:
case examples, RV infarction
– *Steve Goldstein, MD*

Ruptured papillary muscle
– *Roberto Lang, MD*

Pseudo aneurysm, true aneurysm
– *Bijoy Khandheria, MD*

VSD
– *Itzhak Kronzon, MD*

6:30 p.m. Adjourn

Sunday, May 26

- 7 a.m. Breakfast, visit exhibits**
- 7:30 a.m. IAC echocardiography accreditation workshop: The steps to earning accreditation
– *Beverly Gorman, RDCS*
- 8:30 a.m. Stress echocardiography: Theory, practice
– *Muhamed Saric, MD*
- 8:50 a.m. Stress echocardiography: Case Studies, single vessel disease
– *Laura Johnson, RDCS*

Contrast and Stress Imaging

– *Smadar Kort, MD, presiding*

- 9:10 a.m. 3D stress echo
– *Roberto Lang, MD*
- Multivessel disease, hypertensive response
– *Timothy Paterick, MD*
- Dobutamine stress echocardiography – pre-operative evaluation
– *Smadar Kort, MD*
- Aortic valve hemodynamics
– *Chris Kramer, RDCS*
- Mitral valve hemodynamics
– *Muhamed Saric, MD*
- Pitfalls in stress echocardiography
– *Smadar Kort, MD*

- 10:40 a.m. Break, visit exhibits**

Case Studies:

Sit back, watch and learn

- 11:15 a.m. Sub-Saharan Safari
– *Ferande Peters, MD*
- Stress Induced Cardiomyopathy
– *Smadar Kort, MD, and Matt Umland, RDCS*
- Prosthetic Valve: Normal examination
– *Chris Kramer, RDCS*
- Prosthetic Valve: Abnormal cases
– *Roberto Lang, MD*

- 12:15 p.m. Adjourn, course evaluation**



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Registration form

Return your registration by mail, phone or fax, or register online.

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: denise@medmeetingsetc.com

Online registration: www.medmeetingsetc.com

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

Name _____

Institution _____

Degree MD DO PhD RN RCS RDCS Other _____

Email address _____

Preferred mailing address _____

City _____ State/PV _____

ZIP/Postal code _____ Country _____

Telephone _____ Fax _____

If you need disability accommodations, 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 received

Tuition received on or **before** 4/22/13

Tuition received **after** 4/22/13

ASE physician member

\$750

\$850

State Chapter of NY ACC

\$750

\$850

Non-member physician

\$950

\$1,100

ASE member reduced fee*

\$400

\$500

Non-member reduced fee*

\$500

\$600

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) \$300 (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

Total Payment \$ _____ (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

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