



ASE American Society of
Echocardiography
Heart & Circulation Ultrasound Specialists

Sights & Sounds of Echocardiography

In the Heart of the Big Apple



Sonographer and Physician Credits!
31.25 CME Credits

May 18-22, 2011

Program Directors:

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

Presented At:

New York Marriott Marquis, New York, NY



Focus:

- Structural Heart Disease - Imaging, Percutaneous Technique, Quantification
- Myocardial Mechanics - Strain, Speckle, Torsion, Vortex
- Advanced Heart Failure - LVAD, CRT
- Contrast Enhanced Imaging - How to, When, Integrating into workflow
- 3D Imaging - Basic, Clinical Use, Integration into daily practice
- Myocardial, Pericardial Disease
- Workshops on hemodynamcis, 3D, Myocardial Mechanics, Basic and Advanced hemodynamics

Jointly Sponsored By:

American Society of Echocardiography and MedMeetingsEtc., Ltd.

In Cooperation With:

Aurora Health Care, Milwaukee, WI
Lenox Hill Hospital, New York, NY



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 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 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. On Friday, two Special Workshops are offered - one specifically for physicians and a separate one for sonographers.

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.

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 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 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 stress and contrast echocardiography
- Summarize the technology, indications and clinical uses of TEE
- Identify roles of cardiovascular ultrasound for valvular 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, 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 at the time of registration.

Fee

Early registration saves \$100 in each member 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 **Thursday, April 28, 2011**. 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

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 \$150 processing fee will be given for written cancellations received fewer than four weeks before the first day of the program (**Wednesday, May 18, 2011**). 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, Aurora Healthcare, or 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 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 educational activity for a maximum of 31.25 *AMA PRA Category 1 Credits*[™]. 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 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 please call 800-843-4898 or 212-398-1900 and state that you will be attending the Echo program. The room rate is \$265 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 **Thursday, May 6, 2011**, however, 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 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 3:00 p.m. Check-out time is 12:00 p.m. noon.

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

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

Bijoy K. Khandheria, MD, FACP, FACC, FESC, FASE

Past President, American Society of Echocardiography; Director, Echocardiography Services, Aurora Medical Group, Aurora Cardiovascular Services, Aurora St. Luke's Medical Center, Milwaukee, WI

Itzhak Kronzon, MD, FASE, FACC, FACP, FAHA, FESC

Director of Cardiac Imaging; Associate Chairman, Department of Cardiovascular Imaging, Lenox Hill Heart and Vascular Institute, New York, 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

Faculty

Andrew Boyle, MD

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

Krishnaswamy Chandrasekaran, MD, FACC, FASE

Professor of Medicine, Mayo Clinic; Consultant, Division of Cardiovascular Diseases and Internal Medicine, Mayo Clinic, Scottsdale, AZ

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

Laura S. Johnson, RDCS

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

Smadar Kort, MD, FACC, FASE

Associate Professor of Medicine, State University of NY, Stony Brook; Director, Cardiovascular Imaging, Stony Brook University Medical Center; Director, Echocardiography, Stony Brook University Medical Center; Director, Non-Invasive Cardiology, Stony Brook University Medical Center, Stony Brook, NY

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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, F.A.C.C, F.A.S.E.

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

Muhammed Saric, MD, FACC, FAHA, FASE, FACP, FESC

Associate Professor of Medicine; Director, Echocardiography Laboratory, New Jersey Medical School; University of Medicine & Dentistry of New Jersey (UMDNJ), Newark, NJ

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, 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

Mani A. Vannan, MBBS, FACC

Professor of Clinical Medicine; Director Cardiovascular Imaging; Joseph Ryan Chair in Cardiovascular Medicine, The Ohio State University, Columbus, OH

PROGRAM SCHEDULE

Sights & Sounds of Echocardiography *In the Heart of the Big Apple*



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

Meeting Site Telephone: 212-581-1000

Guest Fax: 212-262-4410

Registration: 5th Floor South

Main Meeting Room:

Exhibits/Breaks and Breakfast:

Lunch: 2nd Floor

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, or MedMeetingsEtc., Ltd.

Wednesday, May 18, 2011

PRE-CONFERENCE WORKSHOP

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 trainee, or clinical cardiologists who are engaged in practice of echocardiography.

12:00 p.m. Registration

12:45 p.m. Welcome & Introduction to Course
Itzhak Kronzon, MD

Dr. Smadar Kort, presiding

1:00 p.m. How Do I Quantify the LV, RV, LAA and More? Updated ASE Guidelines. Measurement Technique
Smadar Kort, MD

1:30 p.m. LV Systolic Function: Cornerstone of Cardiology
Timothy E. Paterick, MD

2:00 p.m. M-Mode Echocardiography: Alive but Maybe on Life Support?
Itzhak Kronzon, MD

2:30 p.m. Myocardial Mechanics 101: How Do I Get Started?
Gila Perk, MD

3:00 p.m. Mitral Valve Prolapse, Mitral Regurgitation (Quantification). ASE Guidelines in Practical Use
Muhamed Saric, MD

3:30 p.m. Refreshment Break – Visit Exhibits

Dr. Muhamed Saric, presiding

4:00 p.m. Aortic Stenosis: What to Measure, How to Measure. ASE Guidelines
Bijoy K. Khandheria, MD

4:30 p.m. Aortic Regurgitation: How Do I Quantify, Examples
Steven A. Goldstein, MD

5:00 p.m. **WORKSHOP ON BASIC HEMODYNAMICS**

Stroke Volume, Cardiac Index, Cardiac Output, Pulmonary Artery Pressure, RIMP

Matt M. Umland, RDCS Christopher J. Kramer, RDCS, Anna Hamza, RDCS, Itzhak Kronzon, MD

Learn How to Calculate Using Case Studies

6:00 p.m. **WORKSHOP ON MYOCARDIAL MECHANICS**
Strain, Strain Rate, Twist, Torsion, Speckle

Muhamed Saric, MD, Christopher J. Kramer, RDCS, Matt M. Umland, RDCS

Learn the Definitions, Acquisition, and Calculation

7:00 p.m. Adjourn

Thursday, May 19, 2011

7:30 a.m. Continental Breakfast – Visit Exhibits

VALVULAR HEART DISEASE: STATE-OF-THE-ART IN 2011

Dr. Timothy E. Paterick, presiding

8:00 a.m. Epidemic of Valvular Heart Disease
A. Jamil Tajik, MD

AORTIC VALVE: CHALLENGES AND TRIUMPHS *Aortic Stenosis*

8:25 a.m. Journey of Aortic Valve From Sclerosis to Stenosis. A Road Frequently Traveled!
Itzhak Kronzon, MD

8:45 a.m. Comprehensive Evaluation and Aortic Stenosis. What Is the Role of 3D Imaging?
Bijoy K Khandheria, MD

PROGRAM SCHEDULE

9:05 a.m. Clinical Challenge My Patient Has Asymptomatic Severe Aortic Stenosis: To Operate or Wait? How to Risk Stratify. Any Role of Exercise Testing? ACC/AHA Guidelines and Pivotal Role of Echocardiography
Steven A. Goldstein, MD

9:25 a.m. The Unforgettable Cases: Supravalvular and Subvalvular AS: See Once, Never Miss
Smadar Kort, MD
Unicuspid, Bicuspid and Quadricuspid Aortic Valve: Zebras and
Bijoy K. Khandheria MD
Low Gradient AS: Triumphs and Failures
Itzhak Kronzon, MD

9:55 a.m. Panel Discussion
Drs. Khandheria, Kronzon, Kort, Goldstein, Tajik
Dr. Paterick, moderator

10:05 a.m. Refreshment Break – Visit Exhibits

AORTIC REGURGITATION

Dr. Gila Perk, presiding

10:30 a.m. Quantitation of Aortic Regurgitation: ASE Guidelines Say...
Steven A. Goldstein, MD

10:50 a.m. Clinical Dilemma – View Point of A Master Clinician: My Patient Has Severe But Asymptomatic Aortic Regurgitation. What Should I Do? How Should I Apply the ACC/AHA Guidelines? Medical Therapy - Which Drug?
Natesa Pandian, MD

11:10 a.m. **SPECIAL LECTURE**
Percutaneous Mitral and Aortic Valve Procedures: The Future Is Here
A. Jamil Tajik, M.D

11:40 a.m. You Cannot Do Without Imaging in Percutaneous Procedures
Itzhak Kronzon, MD

12:00 p.m. Illustrative Examples of Mitraclip, TAVI from Lenox Hill and Aurora/St Luke Medical Center
Bijoy Khandheria, MD and Itzhak Kronzon, MD

12:15 p.m. Lunch

MITRAL VALVE, TRICUSPID VALVE

Dr. Muhamed Saric, presiding

1:30 p.m. Mitral Regurgitation: Comprehensive Evaluation by 2D/3D Echocardiography. ASE Recommends ...
Steven A. Goldstein, MD

1:50 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 2D/3D Echocardiography. To Intervene or Not to Intervene
Natesa G. Pandian, MD

2:30 p.m. Tricuspid and Pulmonary Regurgitation: Comprehensive 2D/Doppler Evaluation
Muhamed Saric, MD

2:50 p.m. Evaluating the Patient With Prosthetic Valve: Challenges. Examples
Bijoy K. Khandheria, MD

3:10 p.m. Panel Discussion
Drs. Goldstein, Khandheria, Pandian, and Tajik
Dr. Muhamed Saric, moderator

3:30 p.m. Refreshment Break and
Don't Forget to Visit Exhibits

CONCURRENT SESSIONS

1:00 p.m. – **SPECIAL SESSION:**
5:00 p.m. **FOR PHYSICIANS**
Case studies, read with the faculty, and discuss with the faculty
Location:

- Aortic Valve Disease (Bicuspid Valve - Normal Valve but Abnormal Aorta, Normal Aorta but Abnormal Valve)
Smadar Kort, MD
- Aortic Valve Disease (Severe Asymptomatic AR but It Is Not the Valve. Other Causes of AR)
Muhamad Saric, MD
- Multivalvular Involvement (Mitral and Tricuspid)
Timothy E. Paterick, MD
- 3D Imaging Helped?
Roberto Lang, MD
- 3D Imaging to Plan Mitral Valve Operation
Roberto Lang, MD

5:30 p.m. Adjourn

PROGRAM SCHEDULE

ECHOCARDIOGRAPHY AND DOPPLER HEMODYNAMICS

Matt M. Umland, presiding

This is designed for sonographers. No discussion on management issues will be undertaken.

4:00 p.m. Left Heart Chambers: What to Measure, How to Measure. ASE Guidelines Into Practice. What Is Normal?

Matt M. Umland, RDCS

4:30 p.m. How Do I Measure Cardiac Output, Cardiac Index, PA Pressure, LIMP and RIMP? Normal Value, Common Errors

Laura S. Johnson, RDCS

5:00 p.m. Mitral Stenosis, Aortic Stenosis: The ASE Way
Formulate, Tips, Tricks Every Sonographer Should Know

Anna Hamza, RDCS

5:30 p.m. Mitral Regurgitation, Aortic Regurgitation. Step-by-Step. ASE Says Do It This Way

Christopher J. Kramer, RDCS

6:00 p.m. Adjourn

Friday, MAY 20, 2011

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

3-D WORKSHOP

Dr. Itzhak Kronzon, presiding

8:00 a.m. Getting Started With 3D Echo: Equipment, Basic Anatomy, and Views

Roberto Lang, MD

8:25 a.m. Evaluation of Aortic and Mitral Valve

Roberto Lang, MD

8:50 a.m. Case Studies in 3D Echocardiography

Drs. Kronzon and Khandheria

MYOCARDIAL AND PERICARDIAL DISEASE

Dr. Steven A. Goldstein, presiding

9:15 a.m. Constrictive Pericarditis: Pathognomonic Echo/Doppler Features. Do I Need More? CT/MRI?

Bijoy K. Khandheria, MD

9:35 a.m. Ventricular Noncompaction: An Odyssey. Diagnosis and Treatment

Timothy E. Paterick, MD

10:00 a.m. Hypertrophic Cardiomyopathy: A Golden Voyage

A. Jamil Tajik, MD

10:25 a.m. Apical Hypertrophic Cardiomyopathy: Diagnosis. Role of Contrast Enhanced Imaging

Natesa G. Pandian, MD

10:50 a.m. Panel Discussion
Drs. Khandheria, Paterick, Tajik, and Pandian
Dr. Steven A. Goldstein, moderator

11:00 a.m. Break – Visit Exhibits

CONTRAST ECHOCARDIOGRAPHY: 101

Dr. Smadar Kort, presiding

11:30 a.m. Contrast Echocardiography: State-of-the-Art. Strengths, Safety

Roberto Lang, MD

11:55 a.m. Where It Is Used? Incremental Value?

Muhamad Saric, MD

12:20 p.m. Guide to Acquisition of Contrast Enhanced Imaging in Resting Echo. Machine Settings for Different Vendors, Injection Technique, Reimbursement Requirements

Matt M. Umland, RDCS

12:45 p.m. Case Studies in Contrast Enhanced Imaging

Dr. Smadar Kort and Christopher J. Kramer, RDCS

1:30 p.m. Lunch – Visit Exhibits

PROFESSORS OF ECHOCARDIOGRAPHY: ONE PLACE, ONE TIME

Dr. Natesa Pandian, presiding

2:45 p.m. Evaluating the Right Ventricle

Krishnaswamy Chandrasekaran, MD

3:10 p.m. The Era of Interventional Echocardiography

Itzhak Kronzon, MD

3:35 p.m. The Future of Echocardiography is Hand-Held, Myocardial Mechanics, 3D ... All or None

Natesa Pandian, MD

3:55 p.m. Stump the Masters: *Drs. Kronzon, Tajik, Chandrasekharan, Pandian*

Cases Presented by *Drs. Perk, Kort, Saric, Paterick*

5:00 p.m. Adjourn

Saturday, May 21, 2011

7:00 a.m. Breakfast – Visit Exhibits

SATURDAY MORNING SPECIAL

Myocardial Mechanics: Work With the Machines Acquisition - How to Acquire, Store
Matt M. Umland, RDCS, Christopher J. Kramer, RDCS and, Laura Johnson, RDCS

PROGRAM SCHEDULE

HEART FAILURE

Dr. Mani Vannan, presiding

- 8:30 a.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?
Mani Vannan, MD
- 8:55 a.m. Heart Failure With Normal Systolic Function: Epidemiology, Pathophysiology,
A. Jamil Tajik, MD
- 9:20 a.m. Heart Failure with Normal Systolic Function: Management Strategies. What Have We Learned From Trials
Andrew Boyle, MD
- 9:45 a.m. Diastolic Function Evaluation: What to Measure in Daily Practice. ASE Guidelines
Bijoy K. Khandheria, MD
- 10:10 a.m. Panel Discussion
Drs. Tajik, Boyle and Khandheria
Dr. Vannan, moderator
- 10:20 a.m. Refreshment Break – Visit Exhibits

ADVANCED HEART FAILURE

Dr. Chandrasekharan presiding

- 10:50 a.m. LVAD: What, When, and Why. What Do I Need From the Images
Andrew Boyle, MD
- 11:15 a.m. LVAD: What Should the Echocardiographer Obtain
Matt M. Umland, RDCS and Christopher J. Kramer, RDCS
- 11:40 a.m. LVAD - What Should the Echocardiologist Report? Case Examples to Demonstrate Utility of Echocardiography
Krishnaswamy Chandrasekaran, MD
- 12:05 p.m. Panel Discussion
Dr. Boyle, Mr. Umland and Mr. Kramer
Dr. Chandrasekharan, moderator
- 12:15 p.m. Case Studies in Heart Failure
Dr. Saric, Kort and Ms. Johnson
- 1:00 p.m. Lunch – Visit Exhibits

ADVANCED HEART FAILURE

Dr. Andrew Boyle, presiding

- 2:15 p.m. CRT: State-of-the-Art 2011
Andrew Boyle, MD
- 2:40 p.m. Sonographer Role in CRT. Not So Easy Yet, Not Too Difficult. Illustrative Examples
Matt M. Umland, RDCS

- 3:05 p.m. Interpreting and, Practice of CRT. MD Role
Mani Vannan, MD
- 3:30 p.m. Echocardiography in Pulmonary Hypertension and, Pulmonary Embolism
Muhamed Saric, MD
- 3:55 p.m. Echocardiography in Athletes. Management guidelines
Timothy E. Paterick, MD
- 4:20 p.m. Panel Discussion
Drs. Saric, Vannan, Paterick
Dr. Boyle, moderator
- 4:30 p.m. Adjourn

Sunday, May 22, 2011

- 7:00 a.m. Continental Breakfast

CASE STUDIES

- 8:00 a.m. Complications of Myocardial Infarction
Bijoy K Khandheria, MD
- 8:20 a.m. Stress Echocardiography and Contrast Enhanced Stress Echocardiography
Laura Johnson, RDCS and Smadar Kort, MD
- 8:45 a.m. 3D Contrast and Stress Echocardiography
Mani Vannan, MD
- 9:05 a.m. Systemic Disease and the Heart
Steve Goldstein, MD
- 9:30 a.m. 2D/3D in the Cardiac Catheterization Laboratory: Disease of Aorta
Itzhak Kronzon, MD
- 9:55 a.m. Pericardial Effusion. Echo Directed Pericardiocentesis
Krishnaswamy Chandrasekaran, MD
- 10:15 a.m. Cases From the Archives of Aurora Health Care
Dr. Tim Paterick, Mr. Chris Kramer, Ms. Laura Johnson
- 10:40 a.m. The Grand Finale. Cases From University of Chicago
Roberto Lang, MD
- 11:10 a.m. Carotid IMT: How, when, why?
Itzhak Kronzon, MD
- 11:35 a.m. Course Evaluation and Adjourn



Sights and Sounds of Echocardiography

May 18-22, 2011

Mail Form and Payment To:
MedMeetingsEtc., Ltd.
ATTN: Cheryl Kallerud
2801 W Kinnickinnic River Parkway, Ste 175
Milwaukee, WI 53215

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Telephone: 414-385-7160
Fax: 414-385-7157
E-mail: info@medmeetingsetc.org

Online Registration: <http://medmeetingsetc.org/>

Register online, fax, phone, or mail your registration.

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

Name _____

First Name

M.I.

Last Name

Institution _____

Degree MD DO PhD RN RCS RDCS Other _____

E-mail Address _____

Preferred mailing address: _____

City _____ State/PV _____

ZIP/Postal Code _____ Country _____

Telephone (_____) _____ 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:

Payment Received:

Tuition received on or before 5/6/11

Tuition received after 5/6/11

Pre-Conference Workshop

\$150

ASE Physician Member

\$700

\$800

Nonmember Physician

\$900

\$1000

ASE Member Reduced Fee*

\$360

\$460

Non-Member Reduced Fee*

\$450

\$550

Fellow in Training Resident Nurse Physician Assistant Sonographer Emeritus Staff

*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)

\$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 \$75 will apply.

I would like to purchase a paper syllabus at the additional cost of \$75

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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In the Heart of the Big Apple

May 18-22, 2011

New York Marriott Marquis
New York, NY

Jointly Sponsored By:
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