Presented at JW Camelback Inn Marriott Scottsdale, Arizona

Focus: Cardiovascular Ultrasound in Clinical Medicine
ASE Guidelines, ACC/AHA Guidelines – Practical Application
Case Based Approach With Audience Response

Preconference Workshop:
Basic M-mode, 2-D, and Doppler Echocardiography
Sunday, February 15, 2009

Concurrent Sessions:
Adult Congenital Heart Disease
Multimodality Imaging
Tuesday, February 17, 2009

Evening Special Workshop for Sonographers by Sonographers: All Welcome
Wednesday, February 18, 2009

Program Directors:
James B. Seward, M.D., FACC, FASE
Bijoy K. Khandheria, M.D., FESC, FACC, FASE
A. Jamil Tajik, M.D., FACC

Jointly Sponsored by:
American Society of Echocardiography and UltraEcho, Ltd.

In collaboration with Mayo Clinic
General Information

PROGRAM OVERVIEW

State-of-the-Art Echocardiography is a premier educational venue for echocardiography in clinical practice. This superbly rated meeting is held in co-sponsorship with the American Society of Echocardiography, whose goal is to serve the educational needs of its members. The program is redesigned yearly to accommodate the evolving needs of inquisitive attendees.

Topics include quantitative echocardiography, valvular and ischemic heart disease, stress/contrast 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: Audience response system to enhance immediate feedback. Simultaneous large screen video display of both speaker and presentation. Easy access to faculty members. 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

- To present information that thematically focuses on integrated, multidisciplinary care as an effective medical approach to providing the highest quality patient care
- To present recent advances in the diagnosis and treatment of cardiovascular disease to cardiovascular specialists and related health care professionals working in multidisciplinary teams
- To 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 able to:

- Incorporate echo/Doppler information in clinical decision-making
- Integrate State-of-the-Art in clinical applications of Echo/Doppler
- 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 echo
- Summarize the technology, indications, and clinical uses of TEE
- Utilize the methods, instrumentation, and uses of intraoperative and intravascular echo
- Identify recent advances in ultrasound and the impact of healthcare reforms
- Identify roles of cardiovascular ultrasound for valvular heart disease
- Apply ACC/AHA guidelines for valvular heart disease

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 32.5 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 adheres to ACCME Standards regarding industry support of continuing medical education. 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, reception, and the syllabus. The deadline to register in advance is Wednesday, January 14, 2009. 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

CANCELLATIONS

If you cancel your participation in this course, your registration fee, less a $100 administrative fee, will be refunded when written notification is received before Wednesday, January 14, 2009 (Fax: 507-266-7403). No refunds will be made after Wednesday, January 14, 2009. 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, UltraEcho, Ltd., or Mayo Clinic are not responsible for any related costs, charges, or expenses to participants, including fees assessed by airline/travel/lodging.

LODGING

The much-anticipated $50 million renovation of Camelback Inn, a JW Marriott Resort & Spa in Scottsdale, Arizona has been unveiled. An enchanting haven of AAA Five-diamond hospitality and Southwestern charm is yours to rediscover: the hacienda-style entry and lobby, spectacular new restaurants, grand courtyard and the all new 20,000 square foot Arizona Ballroom await. The Camelback Inn Marriott Resort, Golf Club & Spa (http://www.camelbackinn.com), is a Southwestern hacienda situated on 125 acres of landscaping unique to the Sonoran Desert just 20 minutes from the Phoenix Sky Harbor International Airport. Experience Scottsdale’s most celebrated Spa Camelback Inn or challenge your game on 36-holes of championship Arizona golf. Guests will enjoy endless Arizona recreation including swimming, hiking, shopping, biking and more. Experience the best Scottsdale has to offer, only minutes from downtown Phoenix, AZ. The Spa at Camelback Inn features a full complement of spa offerings including 32 treatment rooms, state-of-the-art fitness center, spa pool, and Scottsdale’s only spa restaurant, Sprouts. Complimentary parking is included.

To secure your room at the Camelback Inn Marriott Resort, Golf Club & Spa, please call 800-242-2635 or 480-948-1700 and state that you will be attending the February Echo program. The room rate is $277 single/double a night. The resort room blocks are scheduled to be held until Wednesday, January 14, 2009 but may be sold out before this date. Therefore, we advise you to register for the program and reserve your lodging as soon as possible. When you make your reservation, please be sure to ask about any additional resort fees, early departure fees, or cancellation penalties.

For further information regarding the area and its attractions, please contact the Scottsdale Chamber of Commerce at 480-945-8481 or http://www.2chambers.com/scottsdale.htm.

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

TRANSPORTATION

Arizona SuperShuttle is the primary transportation for this conference. Book online at www.supershuttle.com and enter your discount code: TGFPR. You will receive $4.00 off a roundtrip booked on-line. To book via phone, please call 800-258-3826 or 602-244-9000 once you have a confirmed flight.

Arizona International Airport to Camelback Resort:
• Claim your luggage.
• Proceed outside Baggage Claim at each terminal to sign marked “shared ride Van Service”.
• Provide your driver with the online confirmation number.

Arizona SuperShuttle from Hotel to Airport Directions:
• Be ready at your hotel designated shuttle/taxi pick up location.
• SuperShuttle will arrive within the 15 minutes of the pick up time selected when booked online.
CAR RENTAL

If you choose to rent a car while in the Phoenix area, Hertz Car Rental has been selected to provide discounted rates for this conference. Please refer to the Hertz meeting code CVR036L0009 to receive your special rate. Cars can be rented from any location in Phoenix.

Phone: 800-654-2240 (USA) or 800-262-0600 (Canada) or 1-405-729-4434 (International)
Web: www.hertz.com

Hertz car rental is also available on location at the hotel.

PLEASE NOTE

Smoking is prohibited in all ASE conference 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 acknowledgement of support will be provided at the time of the activity.

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Preconference Program Schedule

22nd Annual State-of-the-Art Echocardiography®

All sessions will be held at the Camelback Inn, A JW Marriott Resort, 5402 E. Lincoln Drive, Scottsdale, AZ 85253

The general session will be in the Arizona Ballroom, Salons F-I. Exhibits, breakfast, and breaks will be located in the Sunshine/Cholla Hall. Lunch will be held on the Sonoran Terrace.

Meeting site telephone: 480-948-1700 – Guest Fax: 480-951-8469

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

SUNDAY, FEBRUARY 15, 2009

1:00 p.m. Registration – Ballroom Foyer

BASIC HEMODYNAMIC WORKSHOP – SHARPEN YOUR SKILLS

Dr. Bijoy K. Khandheria, presiding

1:30 p.m. Left Ventricle: Assessment of Morphology and Function 2009 and Beyond. ASE Guidelines Into Practice

Matt M. Umland, R.D.C.S.

2:00 p.m. Doppler Hemodynamics

Cardiac Output, Cardiac Index, Valve Gradient, PA Pressure, LIMP and RIMP

Ronald A. Roth, R.D.C.S.

2:30 p.m. Mitral Stenosis, Aortic Stenosis

Step-by-Step Approach to Quantification

Bijoy K. Khandheria, M.D.

3:00 p.m. Illustrative Examples – Two Cases Illustrating How To

Aortic Stenosis – Normal Sinus Rhythm, Atrial Fibrillation

Ronald J. Buono, R.D.C.S. Rochelle (Shelly) Tyler, R.D.C.S.

Mitral Stenosis – Normal Sinus Rhythm, Rapid Atrial Fibrillation

Rochelle (Shelly) Tyler, R.D.C.S.

3:30 p.m. Panel Discussion

Mr. Umland, Mr. Roth, and Ms. Tyler; Dr. Khandheria, moderator

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

ADVANCED HEMODYNAMIC WORKSHOP

Dr. James B. Seward, presiding


Bijoy K. Khandheria, M.D.

5:00 p.m. Illustrative Examples

Amyloid Heart Disease: What All Should One Obtain

Rochelle (Shelly) Tyler, R.D.C.S.

Constrictive Pericarditis: Essential Data

Elizabeth (Beth) A. Rodriguez, R.D.C.S.

Heart Failure With Normal Systolic Function (Diastolic Heart Failure)

Ronald A. Roth, R.D.C.S.

5:30 p.m. Adjourn
MONDAY, FEBRUARY 16, 2009

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

7:45 a.m. WELCOME
Course Description and Introduction to Audience Response System.
Drs. Seward, Khandheria, and Tajik

VALVULAR HEART DISEASE:
Role of Cardiovascular Ultrasound. Application of ACC/AHA Guidelines
Dr. James B. Seward, presiding

8:00 a.m. The Epidemic of VHD: Causes and Prevention Strategies
A. Jamil Tajik, M.D.

AORTIC VALVE
Aortic Stenosis

8:20 a.m. Journey of Aortic Valve From Sclerosis to Stenosis. A Road Frequently Traveled!! Implication to Prevention
Susan Wilansky, M.D.

8:40 a.m. Master of Echocardiography Lecture
Aortic Stenosis: Cornerstone of a Quality Echo Laboratory. Successes and Pitfalls
Ramesh C. Bansal, M.D.

9:00 a.m. Aortic Stenosis: Concept of Ventricular-Valvular-Arterial Coupling. Impact on Practice
John J. Lynch, M.D.

9:20 a.m. Clinical Challenges – ACC/AHA Guidelines Say….. Asymptomatic Severe Aortic Stenosis: To Operate or Wait? How to Risk Stratify. Any Role of Exercise Testing?
Hari P. Chaliki, M.D.

9:40 a.m. Panel Discussion
Drs. Tajik, Wilansky, Bansal, Lynch, and Chaliki; Dr. Seward, moderator

10:00 a.m. Refreshment Break – Visit Exhibits

Aortic Regurgitation
Dr. Susan Wilansky, presiding

10:30 a.m. Quantitation of Aortic Regurgitation: ASE Guidelines for Aortic Regurgitation
Hari P. Chaliki, M.D.

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?
A. Jamil Tajik, M.D.
11:10 a.m. 3-D Imaging in Valvular Heart Disease  
*Krishnaswamy Chandrasekaran, M.D.*

11:30 a.m. Challenging Cases of Valvular Heart Disease.  
Audience Participation  
*Drs. Lynch, Chaliki, and Wilansky*

12:00 p.m. Questions That You Always Wanted to Ask About Regurgitant Lesions  
*Drs. Chaliki, Tajik, Chandrasekaran, and Lynch; Dr. Wilansky, moderator*

12:15 p.m. Lunch – Sonoran Terrace

**MITRAL VALVE**  
*Mitral Regurgitation*  
*Dr. A. Jamil Tajik, presiding*

1:30 p.m. Mitral Regurgitation: Assessment of Lesion Severity and of LV Function  
*Mark R. Starling, M.D.*

1:50 p.m. Clinical Challenge – Viewpoint From a Master Clinician: 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, M.D.*

2:10 p.m. Mitral Regurgitation in Patients With Ischemic Heart Disease. Critical Role of 3-D Echocardiography – Value Added or Time Wasted?  
*Roger L. Click, M.D., Ph.D.*

2:30 p.m. Tricuspid and Pulmonary Regurgitation: Comprehensive 2-D/Doppler Evaluation  
*Heidi M. Connolly, M.D.*

2:50 p.m. Patient Prosthesis Mismatch? Diagnostic and Prognostic Implications  
*Steven J. Lester, M.D.*

3:10 p.m. Panel Discussion  
*Drs. Starling, Click, Connolly, and Lester; Dr. Tajik, moderator*

3:30 p.m. Refreshment Break and DON’T Forget to Visit Exhibits

**SPECIAL SESSION**  
*Intraoperative Echocardiography*  
*Dr. Hari P. Chaliki, presiding*

4:00 p.m. Intraoperative TEE: Mitral Valve Aortic Valve. Essential Information We Need to Provide. Scallops, Sizing the Annulus, and More  
*Roger L. Click, M.D., Ph.D.*

4:20 p.m. Intraoperative Imaging of VAD/Artificial Heart  
*Krishnaswamy Chandrasekaran, M.D.*
4:40 p.m.  Intraoperative TEE Case Studies
            *Drs. Chandrasekaran, Click, Humphries, and Ramakrishna*

6:00-7:30 p.m.  Welcome Reception
                All Participants, Faculty, Exhibitors, and Guests Invited
                Location: Sonoran Terrace

**Tuesday, February 17, 2009**

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

**Advances in Technology: Fact, Fiction, and Reality**
*Dr. Bijoy K. Khandheria, presiding*

8:00 a.m.  Myocardial Architecture and Mechanics: Newer Concepts
            *Partho P. Sengupta, M.D., DM*

8:20 a.m.  Imaging Myocardial Mechanics by Speckle/AFI and VVI: Where Can I Apply? Does Each Instrument Provide Same Information?
            *Steven J. Lester, M.D.*

8:40 a.m.  Vortex Imaging: Newer Concept With Emerging Clinical Applications
            *Partho P. Sengupta, M.D., DM*

9:00 a.m.  3-D, 4-D, 6-D Imaging in Cardiovascular Disease. Reconstruction to Real-Time
            *James B. Seward, M.D.*

9:20 a.m.  Master in Echocardiography Lecture
            These Are Not Practical/Real. Where Do I See the Future?
            *Harvey Feigenbaum, M.D.*

9:40 a.m.  Panel Discussion
            *Drs. Khandheria, Seward, and Feigenbaum; Dr. Lester, moderator*

10:00 a.m.  Refreshment Break – Visit Exhibits

**Grand Masters of Echocardiography: One Place, One Time**
*Dr. Bijoy K. Khandheria, presiding*

10:30 a.m.  From the “Memory Lane to the Futuristic Highway” of Cardiovascular Ultrasound
            *Harvey Feigenbaum, M.D.*

10:50 a.m.  Evaluating the Function of Right Ventricle. The Forgotten Chamber
            *Krishnaswamy Chandrasekaran, M.D.*

11:10 a.m.  Echo-Physiologist. It’s the Physiology… A New ERA of ECHO
            *James B. Seward, M.D.*

11:30 a.m.  Era of Multimodality Imaging in Cardiology. Status of Cardiovascular Ultrasound
            *A. Jamil Tajik, M.D.*
11:50 a.m. Box Lunch – Sonoran Terrace

CONCURRENT SESSIONS
Adult Congenital Heart Disease (1:30-6:30 p.m. – Main Ballroom) and Multimodality Imaging (2:00-5:00 p.m. – Peace Pipe)

WORKSHOP – Congenital Echo
Location: Main Ballroom
Drs. A. Jamil Tajik and Heidi M. Connolly, presiding

1:30 p.m. Introduction: Mayo Clinic Congenital Heart Center
Heidi M. Connolly, M.D. and A. Jamil Tajik, M.D.

1:45 p.m. Aortopathy of Marfan’s Syndrome and of Bicuspid Aortic Valve: An Evaluation by Multimodality Imaging. Latest Management Recommendations
Heidi M. Connolly, M.D.

2:05 p.m. Atrial Septal Defect Closure: Who Needs It, and How Should It Be Done?
Donald J. Hagler, M.D.

2:25 p.m. Ventricular Septal Defects in Adults: Identification and Indications for Intervention?
Sabrina D. Phillips, M.D.

2:45 p.m. Postoperative Residua After Repair of Tetralogy of Fallot
Christine Attenhofer-Jost, M.D.

3:05 p.m. Coarctation of the Aorta: Management Options and Follow-Up Recommendations
Harold M. Burkhart, M.D.

3:30 p.m. Panel Discussion
Drs. Connolly, Hagler, Phillips, Attenhofer-Jost, O’Leary, and Burkhart; Dr. Tajik, moderator

3:50 p.m. Refreshment Break – Visit Exhibits

4:10 p.m. Congenitally Corrected Transposition: Systemic Ventricular Function and Systemic Atrioventricular Valve Regurgitation
Patrick W. O’Leary, M.D.

4:30-6:00 p.m. Illustrative, Challenging, and Thought Provoking Adult Congenital Heart Disease Cases
Presentation and Discussion by Faculty:
Drs. Attenhofer-Jost, Cohen, Humphries, Hagler, O’Leary, Phillips;
Drs. Connolly and Tajik, moderators
Surgical Management Discussed by:
Dr. Burkhart; Dr. Tajik, moderator

6:30 p.m. Adjourn

WORKSHOP – Multimodality Imaging
2:00-5:00 p.m. Multimodality Imaging in Clinical Cardiology Practice
A Case-Based Approach. Interactive Reading With Experts
Drs. Alharthi, Bansal, Newton, and Panse; Dr. Chandrasekaran, moderator
WEDNESDAY, FEBRUARY 18, 2009

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

HEART FAILURE
Dr. Steve R. Ommen, presiding

8:00 a.m. Systolic Heart Failure: Role of 2-D/3-D Echo/Doppler in Assessment and Management
Ramesh C. Bansal, M.D.

8:20 a.m. Heart Failure With Normal Systolic Function: Epidemiology, Pathophysiology, and Management
A. Jamil Tajik, M.D.

8:40 a.m. Diastolic Function Evaluation: What to Measure in Daily Practice
Steven J. Lester, M.D.

9:00 a.m. Diastolic Function in Atrial Fibrillation, Heart Block, Tachycardia
Steve R. Ommen, M.D.

9:20 a.m. LA Volume Assessment: A Critically Important Imaging Biomarker
James B. Seward, M.D.

9:40 a.m. Panel Discussion
Drs. Bansal, Tajik, Lester, and Seward; Dr. Ommen, moderator

10:00 a.m. Refreshment Break – Visit Exhibits

MYOCARDIAL AND PERICARDIAL DISEASE
Dr. A. Jamil Tajik, presiding

10:30 a.m. Constrictive Pericarditis: Pathognomonic Echo/Doppler Features. Do I Need More? CT/MRI?
Farouk Mookadam, M.D.

10:50 a.m. RV Dysplasia: Diagnosis by Multimodality Imaging
Vincent L. Sorrell, M.D.

11:10 a.m. Ventricular Noncompaction: A Less Recognized Cardiomyopathy: Diagnostic 2-D/3-D and CMR Features
Heidi M. Connolly, M.D.

11:30 a.m. Hypertrophic Cardiomyopathy: Comprehensive Morphologic and Hemodynamic Assessment by Multimodality Imaging
Steve R. Ommen, M.D.

11:50 a.m. Apical Hypertrophic Cardiomyopathy: Diagnosis, Natural History, and Management
Christine Attenhofer-Jost, M.D.
12:10 p.m.  Panel Discussion  
Drs. Mookadam, Sorrell, Connolly, Ommen, and Attenhofer-Jost;  
Dr. Tajik, moderator

12:30 p.m.  Lunch – Sonoran Terrace

ISCHEMIC HEART DISEASE/CONTRAST ECHOCARDIOGRAPHY  
Dr. John J. Lynch, presiding

2:00 p.m.  3-D Echo Evaluation of Complications of Myocardial Infarction  
Roger L. Click, M.D., Ph.D.

Steven J. Lester, M.D.

2:40 p.m.  Stress Echocardiography: Cases From the Files of Mayo Clinic Examples of Normal, Multi-Vessel, Single Vessel, Value of Contrast
John J. Lynch, M.D.

3:00 p.m.  Left Ventricular Opacification: Incremental Value or Just an Added Hassle
Susan Wilansky, M.D.

3:20 p.m.  Panel Discussion  
Drs. Click, Lester, and Wilansky; Dr. Lynch, moderator

3:40 p.m.  Refreshment Break – Visit Exhibits

CARDIAC RESYNCHRONIZATION  
Dr. Steven J. Lester, presiding

4:00 p.m.  CRT 2009: State-of-the-Art? Tell Me Where It Assuredly Works!
Komandoor Srivathsan, M.D., MRCP (U.K.)

4:20 p.m.  Pivotal Role of Echocardiography in CRT. The Nuts and Bolts. Do I Have to Refer All My Patients?
Steven J. Lester, M.D.

4:40 p.m.  Case Studies in CRT – What Does a Sonographer Acquire, What Does a Physician Interpret
Steven J. Lester, M.D. and Christopher J. Kramer, R.D.C.S.

5:15 p.m.  Panel Discussion  
Dr. Srivathsan and Mr. Kramer, Dr. Lester, moderator

5:30 p.m.  Adjourn

6:30-8:30 p.m.  Special Workshop For Sonographers by Sonographers  
THURSDAY, FEBRUARY 19, 2009

7:00 a.m.  Continental Breakfast

7:30 a.m.  Early Bird Session – Cases, Cases, Cases
   Drs. Sengupta, Alharthi, Humphries, Attenhofer-Jost, Connolly, Wilansky, and Bansal; Dr. Khandheria, moderator

TRANSESOPHAGEAL ECHOCARDIOGRAPHY/INTRACARDIAC ECHOCARDIOGRAPHY
Dr. Bijoy K. Khandheria, presiding

9:00 a.m.  Patent Foramen Ovale: Guilty by Association or Innocent Bystander. So Where Do We Go Now?
   Bijoy K. Khandheria, M.D.

9:20 a.m.  Disease of the Aorta: Illustrative Examples of Dissection, Hematoma, and Ulcer. Best Test for the Situation?
   Roger L. Click, M.D., Ph.D.

9:40 a.m.  ICE for the Echocardiographer. The Role of the Echocardiologist in the Invasive Environment
   Krishnaswamy Chandrasekaran, M.D.

10:00 a.m.  Refreshment Break

10:30 a.m.  Complications of Endocarditis: TEE Case Studies. Does 3-D TEE Give Definitive Information to Intervene?
   Ramesh C. Bansal, M.D.

10:50 a.m.  Electrophysiologic Device Infections: Diagnosis and Management
   H. R. Vikram, M.D.

11:10 a.m.  Intracardiac Masses. Lumps and Bumps. Some Are Absolute and Others Are Not
   Susan Wilansky, M.D.

11:30 a.m.  Pulmonary Hypertension: What Information From Echo Laboratory Must Be Provided for Assessment and Management
   Robert L. Scott, M.D., Ph.D.

11:50 a.m.  Panel Discussion
   Drs. Bansal, Vikram, Wilansky, and Scott; Dr. Khandheria, moderator

12:15 p.m.  Program Evaluation and Adjourn
Upcoming Conferences in 2009

Echo Hawaii
January 26-30, 2009
Big Island, HI

Cardiology at Cancun
February 23-27, 2009
Cancun, Mexico

Team Echocardiography
April 23-26, 2009
Hilton Head Island, SC

Sights and Sounds of Echo
May 21-24, 2009
New York, NY

The Beat Goes On...
Updates in Cardiology
July 24-26 2009
Sedona, AZ

Echo Alaska
August 2-9, 2009
Alaska Cruise

Valvular Heart Disease:
New Insights
August 14-16, 2009
Lake Louise, Alberta, Canada

Chicago Workstation Workshop
August 21-22, 2009
Chicago, IL

ePIC: Excellence in the Practice of Cardiovascular Ultrasound
September 10-13, 2009
Rancho Mirage, CA

The Beat Goes On
October 1-4, 2009
Orlando, FL

Echo in Congenital Heart Disease
October 11-14, 2009
Rochester, MN

Cardiovascular Ultrasound:
From Pictures to Information
October 21-25, 2009
Phoenix, AZ

The Heart Beat of Cardiology
December 10-12, 2009
Chicago, IL
Registration Form
22nd Annual State-of-the-Art Echocardiography® • February 15-19, 2009

Mail Form and Payment To: Phone or Fax Application to:
Attention: Sheryl Dohrmann Fax: 507-266-7403
200 1st Street SW/GO-06-138SW On-line Registration: www.asecho.org
Rochester, MN 55905

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Rochester, MN 55905

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

Name ________________________________

First Name ___________________________ Middle Name or Initial ___________________________ Last Name ___________________________

Degree □ MD □ DO □ PhD □ RN □ RCS □ RDCS □ Other_________________

Institution ____________________________

Which is your preferred mailing address: □ Work/Business □ Home

Street address for the above selected mailing:

City_________________State/PV________ZIP/Postal Code________Country_________________

Telephone (_________)________________________ FAX (_________)________________________

E-mail Address ____________________________________________________________

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

____________________________________________________________________________________

Special Dietary Needs: ______________________________________________________________

Payment Received:

Early tuition received on or before Jan 14, 2009 Tuition received after Jan 14, 2009

□ ASE Physician Member □ $625 □ $725

□ Nonmember Physician □ $720 □ $820

□ 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) □ $200 (no refund given)

□ Sunday □ Monday □ Tuesday □ Wednesday □ Thursday

CONGENITAL WORKSHOP – Tuesday, February 17, 2009 (no refunds given)

□ $0 Free – Attending State-of-the-Art Echo Conference

□ $200 One-day Congenital Workshop Only

□ $250 Congenital Workshop Registration received after Wednesday, January 14, 2009

Payment must accompany application.

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

□ Credit Card (Note: American Express Not Accepted): □ Visa □ MasterCard □ Discover

Cardholder’s Name ____________________________________________

Card Number __________________ V-Code (3 digits on back of credit card) ______ Expiration Date _____

Office Use Only:
Registration Received: __________________ Entered: __________________ Confirmation Mailed: ___________