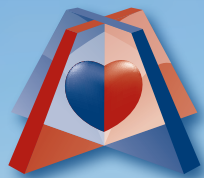


Scientific Sessions Final Program

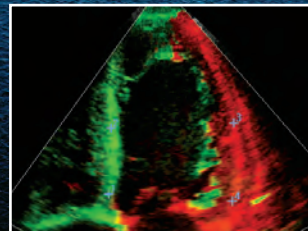
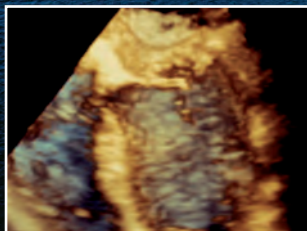
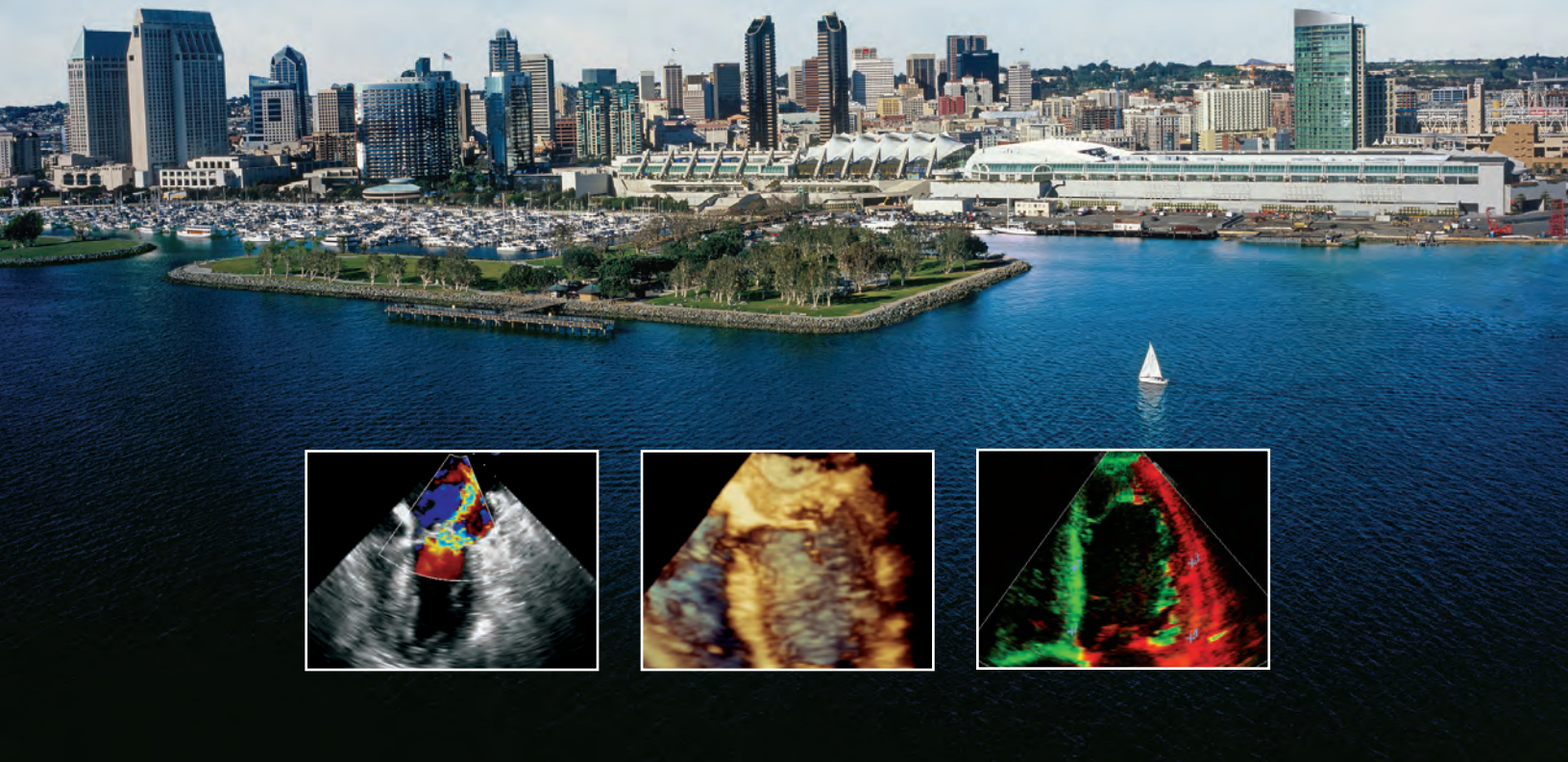
American Society of Echocardiography
21st Annual Scientific Sessions

June 12-15, 2010 | San Diego Convention Center | San Diego, California

*Practical Applications of Cardiovascular Ultrasound
in the 21st Century*



ASE 2010





INDICATIONS

Activated DEFINITY® (Perflutren Lipid Microsphere) Injectable Suspension is indicated for use in patients with suboptimal echocardiograms to opacify the left ventricular chamber and to improve the delineation of the left ventricular endocardial border.

The safety and efficacy of DEFINITY® with exercise stress or pharmacologic stress testing have not been established.

CONTRAINDICATIONS

Do not administer DEFINITY® to patients with known or suspected right-to-left, bi-directional or transient right-to-left cardiac shunts, by intra-arterial injection, or to patients with known hypersensitivity to perflutren.

IMPORTANT SAFETY INFORMATION

WARNING: Serious Cardiopulmonary Reactions

Serious cardiopulmonary reactions, including fatalities, have occurred during or following perflutren-containing microsphere administration.

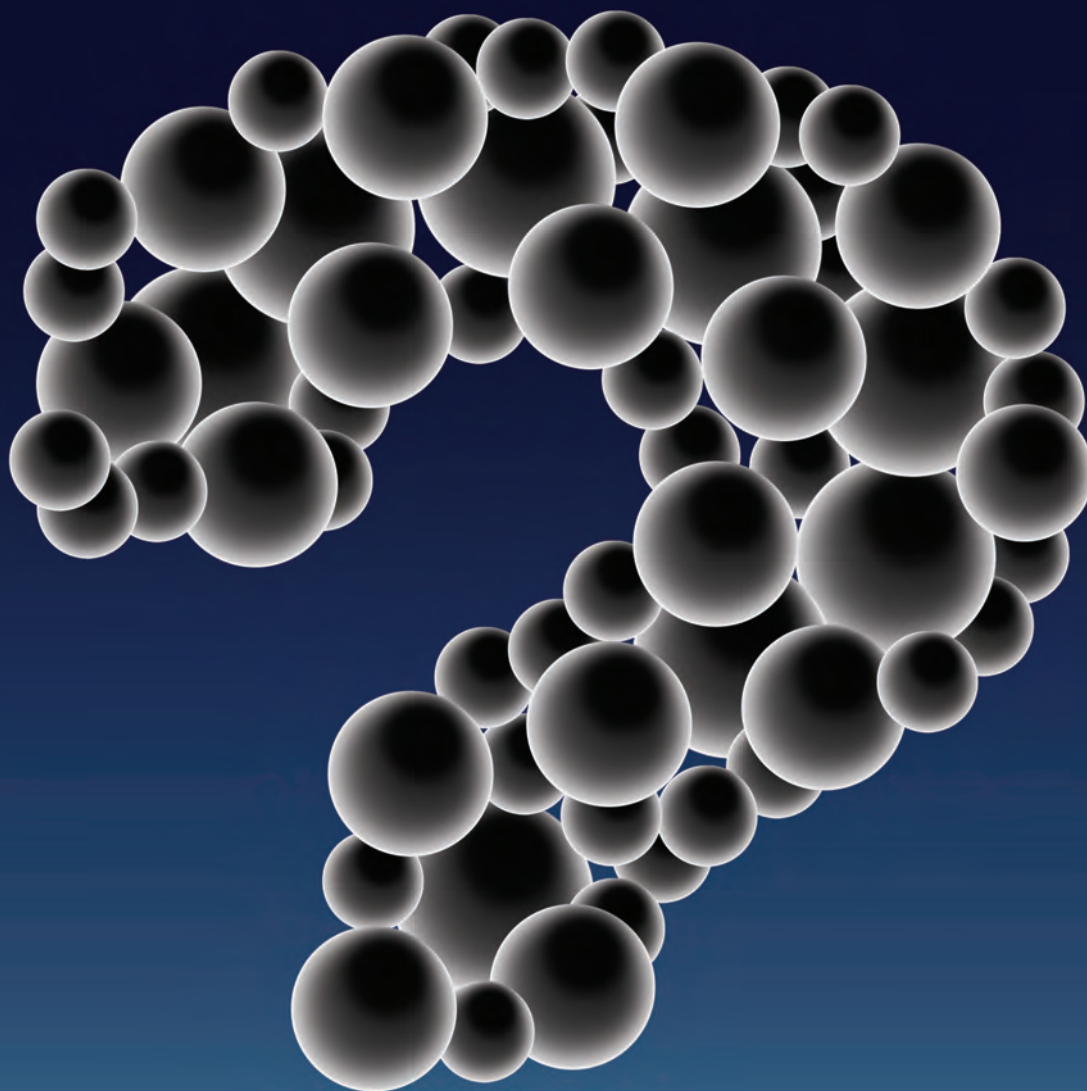
- Assess all patients for the presence of any condition that precludes DEFINITY® administration (see CONTRAINDICATIONS).
- In patients with pulmonary hypertension or unstable cardiopulmonary conditions, monitor vital sign measurements, electrocardiography and cutaneous oxygen saturation during and for at least 30 minutes after DEFINITY® administration (see WARNINGS).
- Always have resuscitation equipment and trained personnel readily available.

In post marketing use, rare but serious cardiopulmonary or anaphylactoid reactions have been reported during or shortly following perflutren-containing microsphere administration (see ADVERSE REACTIONS). The risk for these reactions may be increased among patients with pulmonary hypertension or unstable cardiopulmonary conditions. It is not always possible to reliably establish a causal relationship to drug exposure due to the presence of underlying cardiopulmonary disease.

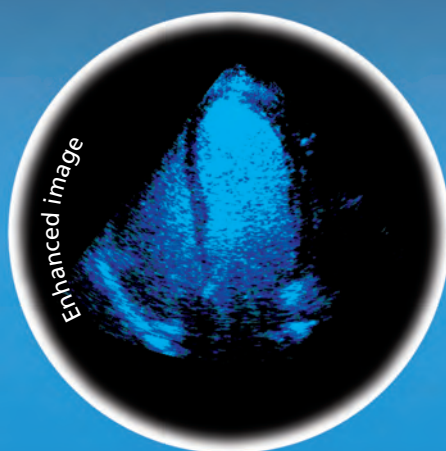
Please see Brief Summary including boxed WARNING regarding serious cardiopulmonary reactions on the next page

References:

1. Kitzman DW et al. Efficacy and Safety of the Novel Ultrasound Contrast Agent Perflutren (Definity) in Patients With Suboptimal Baseline Left Ventricular Echocardiographic Images. Am J Cardiol 2000; 86: 669-674.
2. Data on file, Lantheus Medical Imaging, Inc.
3. DEFINITY® US PI.



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DEFINITY® significantly improves visualization in difficult-to-image segments ($p < 0.05$), making it particularly useful when the clinical question is not easily answered.^{1,2,3}

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DEFINITY® 

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INJECTABLE SUSPENSION

The diagnostic tool for your non-diagnostic echoes

DEFINITY[®]

VIAL FOR (Perflutren Lipid Microsphere)

INJECTABLE SUSPENSION

For Intravenous Use

BRIEF SUMMARY**WARNING: Serious Cardiopulmonary Reactions**

Serious cardiopulmonary reactions, including fatalities, have occurred during or following perflutren-containing microsphere administration.

- Assess all patients for the presence of any condition that precludes DEFINITY[®] administration (see CONTRAINDICATIONS).
- In patients with pulmonary hypertension or unstable cardiopulmonary conditions, monitor vital sign measurements, electrocardiography and cutaneous oxygen saturation during and for at least 30 minutes after DEFINITY[®] administration (see WARNINGS).
- Always have resuscitation equipment and trained personnel readily available.

DESCRIPTION

The DEFINITY[®] vial contains components that upon activation yield perflutren lipid microspheres, a diagnostic drug that is intended to be used for contrast enhancement during the indicated echocardiographic procedures. The vial contains a clear, colorless, sterile, non-pyrogenic, hyperosmotic liquid, which upon activation with the aid of a Vialmix[®] provides a homogeneous, opaque, milky white injectable suspension of perflutren lipid microspheres. The suspension of activated DEFINITY[®] is administered by intravenous injection.

INDICATIONS AND USAGE

Activated DEFINITY[®] (Perflutren Lipid Microsphere) Injectable Suspension is indicated for use in patients with suboptimal echocardiograms to opacify the left ventricular chamber and to improve the delineation of the left ventricular endocardial border.

The safety and efficacy of DEFINITY[®] with exercise stress or pharmacologic stress testing have not been established.

CONTRAINDICATIONS

Do not administer DEFINITY[®] to patients with known or suspected:

- Right-to-left, bi-directional, or transient right-to-left cardiac shunts,
- Hypersensitivity to perflutren (see WARNINGS).

Do not administer DEFINITY[®] by intra-arterial injection.

WARNINGS**Serious Cardiopulmonary Reactions:**

Serious cardiopulmonary reactions, including fatalities, have occurred during or following perflutren-containing microsphere administration. The risk for these reactions may be increased among patients with pulmonary hypertension or unstable cardiopulmonary conditions (acute myocardial infarction, acute coronary artery syndromes, worsening or unstable congestive heart failure, serious ventricular arrhythmias or respiratory failure, including patients receiving mechanical ventilation). In these patients, monitor vital signs, electrocardiography, and cutaneous oxygen saturation during and for at least 30 minutes after DEFINITY[®] administration. In the absence of these underlying conditions, observe patients closely during and following DEFINITY[®] administration.

In postmarketing use, uncommon but serious reactions observed during or shortly following perflutren-containing microsphere administration included fatal cardiac or respiratory arrest, loss of consciousness, convulsions, symptomatic arrhythmias (atrial fibrillation, supraventricular tachycardia, ventricular tachycardia or fibrillation), hypotension, respiratory distress or cardiac ischemia (see ADVERSE REACTIONS).

Always have cardiopulmonary resuscitation personnel and equipment readily available prior to DEFINITY[®] administration and monitor all patients for acute reactions.

Anaphylactoid Reactions:

Post-marketing reports of acute anaphylactoid reactions including shock, bronchospasm, upper airway swelling, loss of consciousness, urticaria and pruritus, have occurred in patients with no prior exposure to perflutren-containing microsphere products. Monitor all patients for signs and symptoms of anaphylactoid reactions (see ADVERSE REACTIONS).

Systemic Embolization of DEFINITY[®] in Patients with Cardiac Shunts:

In patients with right-to-left, bi-directional, or transient right-to-left cardiac shunts phospholipid-encapsulated microspheres can bypass the pulmonary particle-filtering mechanisms and directly enter the arterial circulation resulting in microvascular occlusion and ischemia. In an animal study utilizing intra-arterial administration of activated DEFINITY[®], microsphere trapping was seen in small arterioles <15 µm, especially at branch points and in capillaries at all doses tested, including doses directly applicable to those used in humans. An animal study utilizing intravenous administration did not result in arterial microvascular obstruction presumably because of filtering by the lungs. Do not administer DEFINITY[®] by intra-arterial injection (see CONTRAINDICATIONS).

High Ultrasound Mechanical Index:

High ultrasound mechanical index values may cause microsphere cavitation or rupture and lead to ventricular arrhythmias. Additionally, end-systolic triggering with high mechanical indices has been reported to cause ventricular arrhythmias. The safety of activated DEFINITY[®] at mechanical indices greater than 0.8 has not been evaluated. The safety of activated DEFINITY[®] with the use of end-systolic triggering has not been evaluated.

QTc Prolongation:

ECG parameters for doses up to 10 µL/kg were monitored in 221 subjects at multiple time points from 1 hour to 72 hours after the first bolus injection. In the 221 subjects, QTc prolongations of >30 msec were noted in 64 (29%) subjects. Forty-six out of 64 subjects with QTc prolongations were further evaluated and 39% (18/46) showed associated cardiac rhythm changes. The effects of concomitant drugs were not studied.

PRECAUTIONS**Information For Patients**

Patients receiving activated DEFINITY[®] should be instructed to inform their healthcare provider if they:

- have a congenital heart defect, or recent worsening of heart or lung conditions;
- have had prior reactions to DEFINITY[®] (see CONTRAINDICATIONS and WARNINGS);
- may be pregnant, are trying to become pregnant, or are nursing.

Carcinogenesis, Mutagenesis, Impairment of Fertility

Studies with activated DEFINITY[®] have not been performed to evaluate carcinogenic potential. Evidence of genotoxicity was not found in the following studies with activated DEFINITY[®]:

- bacterial mutagenesis assay (Ames assay),
- in vitro* mammalian mutagenesis assay,
- in vitro* human lymphocyte chromosome aberration assay, and
- in vivo* rat micronucleus assay.

Impairment of male or female fertility was not observed in rats and rabbits treated with activated DEFINITY[®] at up to 1 mL/kg (24x and 15x maximal human dose based on body surface area, respectively).

Pregnancy Category B

Reproduction toxicity studies have been performed in rats and rabbits at up to 3 mL/kg and 1 mL/kg (24x and 15x maximal human dose based on body surface area for rats and rabbits, respectively). The studies revealed no evidence of an effect of activated DEFINITY[®] treatment on the developing fetus. Adequate and well-controlled studies in pregnant women have not been conducted. Because animal reproduction studies are not always predictive of human response, this drug should be used during pregnancy only if clearly needed.

Nursing Mothers

Studies to detect if activated DEFINITY[®] is excreted in human milk have not been conducted. Because many drugs are excreted in human milk, caution should be exercised when activated DEFINITY[®] is administered to a nursing woman.

Pediatric Use

The safety and effectiveness of activated DEFINITY[®] have not been established in the pediatric population (see WARNINGS).

ADVERSE REACTIONS**Clinical Trials Experience**

A total of 1716 subjects were evaluated in pre-market clinical trials of activated DEFINITY[®]. In this group, 1063 (61.9%) were male and 653 (38.1%) were female. 1328 (77.4%) were White, 258 (15.0%) were Black, 74 (4.3%) were Hispanic, and 56 (3.3%) were classified as other racial or ethnic groups. The mean age was 56.1 years (range 18 to 93). Of these, 144 (8.4%) had at least one treatment-related adverse reaction (Table 1). There were 26 serious adverse events and 15 (0.9%) subjects discontinued because of an adverse event.

Deaths and serious adverse events: Among the 1716 activated DEFINITY[®] patients, 1 (1.1%) suffered serious cardiopulmonary adverse events including eight deaths. The deaths occurred several days after activated DEFINITY[®] administration and appear to be related to the course of underlying disease. Of the 11 other serious adverse events, which appeared within days of the drug administration (2-15 days), all appeared to be a progression underlying cardiac and non-cardiac disease. However, a role for DEFINITY[®] in the initiation or course of these adverse events can not be ruled out.

Discontinuations: There were 15 discontinuations reported with a mean age of 41.5 years. Nine of these patients were discontinued after the first injection. One patient experienced a hypersensitivity reaction with urticaria and pruritus and all the other patients experienced dizziness, chest pain, dyspnea or back pain. Adverse events appeared within minutes (1 – 15 min) of the drug administration and were of moderate intensity resolving usually without treatment within minutes of hours after onset.

For all adverse events, the overall incidence of adverse experiences was similar for the <65 year age group and the >65 year age group, similar in males and in females, similar among all racial or ethnic groups and similar for bolus and infusion dosing. As shown in Table 1, the most common adverse events were reported in the Central and peripheral nervous system (3.1%), Body as a Whole (2.4%) and Gastrointestinal system (1.8%). The most common events were headache (2.3%), back and renal pain (1.2%), flushing (1.1%) and nausea (1.0%).

Table 1 Treatment-Related, New-Onset Adverse Experiences Occurring in ≥0.5% of All Activated DEFINITY [®] -Treated Subjects		
	All activated DEFINITY [®] (N=1716)	
Total Number of Treatment-Related A.E.'s	269	(8.4%)
Total Number of Subjects with a Treatment-Related A.E.	144	
WHOART body system		
WHOART preferred term		
Application Site Disorders	11	(0.6)
Injection Site Reactions	11	(0.6)
Body as a Whole		
Back/renal pain	20	(1.2)
Chest pain	13	(0.8)
Central and peripheral nervous system disorder		
Headache	54	(3.1)
Dizziness	40	(2.3)
	11	(0.6)
Gastrointestinal system		
Nausea	31	(1.8)
	17	(1.0)
Vascular (extracardiac) disorders		
Flushing	19	(1.1)
	19	(1.1)
N=Sample size 1716 subjects who received activated DEFINITY [®]		
A.E.=Adverse Experience		
n=Number of subjects reporting at least one A.E.		

Other treatment-related adverse experiences that occurred in <0.5% of the activated DEFINITY[®]-dosed subjects were:

- Body as a Whole:** Fatigue, fever, hot flushes, pain, rigors, and syncope
- Cardiovascular:** Abnormal ECGs, bradycardia, tachycardia, palpitation, hypertension and hypotension
- Digestive:** Dyspepsia, dry mouth, tongue disorder, toothache, abdominal pain, diarrhea and vomiting
- Hematology:** Granulocytosis, leukocytosis, leukopenia, monocytosis and eosinophilia
- Musculoskeletal:** Arthralgia
- Nervous System:** Leg cramps, hypertonia, vertigo and paresthesia
- Pistole:** Bleeding, and Clotting; Hematoma

- Respiratory:** Coughing, hypoxia, pharyngitis, rhinitis and dyspnea
- Special Senses:** Decreased hearing, conjunctivitis, abnormal vision and taste perversion
- Skin:** Pruritus, rash, erythematous rash, urticaria, increased sweating, and dry skin
- Urinary:** Albuminuria and abnormal urine
- Miscellaneous:** Lymphadenopathy

Post-Marketing Experience

The following adverse reactions have been identified during the post-marketing use of perflutren-containing microsphere products. Because these reactions are reported voluntarily from a population of uncertain size, it is not always possible to reliably estimate their frequency or establish a causal relationship to drug exposure.

Fatal cardiac arrests and other serious but non-fatal adverse reactions were uncommonly reported. Most of these uncommon reactions included cardiopulmonary symptoms and signs such as cardiac or respiratory arrest, hypotension, supraventricular and ventricular arrhythmias, respiratory distress or decreased oxygenation. Reports also identified neurologic reactions (loss of consciousness or convulsions), as well as anaphylactoid reactions (see WARNINGS).

OVERDOSAGE

The clinical consequences of overdosing with activated DEFINITY[®] are not known. Treatment of an overdose should be directed toward the support of all vital functions and prompt institution of symptomatic therapy (see CONTRAINDICATIONS, WARNINGS, and PRECAUTIONS).

DOSAGE AND ADMINISTRATION

DEFINITY[®] IS INTENDED FOR ADMINISTRATION ONLY AFTER ACTIVATION IN THE VIALMIX[®] APPARATUS. Before injection, this product must be activated and prepared according to the instructions outlined below. The Vialmix[®] apparatus should be ordered from Lantheus Medical Imaging, Inc., 331 Treble Cove Road, North Billerica, MA 01862. For customer orders call 1-800-299-3431.

DEFINITY[®] may be injected by either an intravenous bolus or infusion.

Bolus: The recommended dose for activated DEFINITY[®] is 10 microliters (µL)/kg of the activated product by intravenous bolus injection within 30-60 seconds, followed by a 10 mL saline flush. If necessary, a second 10 microliters (µL)/kg dose followed by a second 10 mL saline flush may be administered 30 minutes after the first injection to prolong contrast enhancement.

Infusion: The recommended dose for activated DEFINITY[®] is via an IV infusion of 1.3 mL added to 50 mL of preservative-free saline. The rate of infusion should be initiated at 4.0 mL/minute, but titrated as necessary to achieve optimal image enhancement, not to exceed 10 mL/minute.

The maximum dose is either two bolus doses or one single intravenous infusion. The safety of bolus and infusion dosing in combination or in sequence, has not been studied.

Imaging: After baseline non-contrast echocardiography is completed, the mechanical index for the ultrasound device should be set at 0.8 or below (see WARNINGS). Then inject activated DEFINITY[®] (as described above) and begin ultrasound imaging immediately. The activated DEFINITY[®] echocardiogram images should be evaluated in combination with the non-contrast echocardiogram images.

DEFINITY[®] ACTIVATION, PREPARATION AND HANDLING INSTRUCTIONS:

- Allow the vial to warm to room temperature before starting the activation procedure.
- Activate DEFINITY[®] by shaking the vial for 45 seconds using a Vialmix[®].
Note: illustrations of this procedure are contained in the Vialmix[®] Users Guide.
- WARNING: DO NOT USE THIS DRUG UNLESS IT HAS COMPLETED A FULL 45 SECOND ACTIVATION CYCLE IN THE VIALMIX[®]. DEFINITY[®] WILL NOT BE PROPERLY ACTIVATED UNLESS THE FULL 45 SECOND ACTIVATION CYCLE IS COMPLETED. DO NOT REACTIVATE THE VIAL IF VIALMIX[®] did not complete a full 45 second cycle. DO NOT REACTIVATE a successfully activated DEFINITY[®] vial (see step 3). DO NOT USE a Vialmix[®] that is not functioning properly. Refer to the "VIALMIX[®] User's Guide" for the "VIALMIX[®] CALIBRATION AND REPLACEMENT PROCEDURES" to ensure that a properly functioning Vialmix[®] is used.**
- Immediately after activation in the Vialmix[®], activated DEFINITY[®] appears as a milky white suspension and may be used immediately after activation. If the product is not used within 5 minutes of Vialmix[®] activation, the microspheres should be resuspended by 10 seconds of hand agitation by inverting the vial before the product is withdrawn in a syringe. The activated DEFINITY[®] may be used for up to 12 hours from the time of Vialmix[®], but only after the microspheres are resuspended by hand agitation. Store the activated DEFINITY[®] at room temperature in the original product vial.
- Invert the vial and withdraw the activated milky white suspension using the Intelligim[™] (Dispensing Pin) or 18 to 20 gauge syringe needle. Withdraw the material from the middle of the liquid in the inverted vial. DO NOT INJECT AIR INTO THE DEFINITY[®] VIAL.
- Use the product immediately after its withdrawal from the vial; do not allow the product to stand in the syringe.

FOR SINGLE USE ONLY: DEFINITY[®] does not contain bacterial preservative. Bacterial contamination with the risk of post-administration septicemia can occur following the puncture of the elastomeric septum. It is essential to follow directions for activation of DEFINITY[®] carefully and to adhere to strict aseptic procedures during preparation.

HOW SUPPLIED

DEFINITY[®] is supplied as a single use 2 mL clear glass vial containing clear liquid. Each package (clear plastic clamshell) contains four (4) single-use vials.

STORAGE

Store between 2-8°C (36°-46°F) in a refrigerator.

CAUTION: Federal law prohibits dispensing without prescription.

Distributed By:



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N. Billerica, Massachusetts 01862 USA

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All Other Business: 800-362-2668
(For Massachusetts and International, call 978-667-9531)

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Welcome Message

On behalf of the ASE Scientific Sessions Program Committee and the Board of Directors, I would like to welcome you to San Diego and our 21st Annual Scientific Sessions, "Practical Applications of Cardiovascular Ultrasound in the 21st Century." This exciting program offers a mix of educational opportunities for physicians, sonographers, nurses and other cardiovascular healthcare professionals

While this four-day meeting is one day less than past Scientific Sessions, there will be no reduction in the quantity and quality of educational opportunities. The sessions are divided into tracks that include a wide range of experience levels and topics so that everyone will find something new. The session tracks include: physician and sonographer exam preparation, core curriculum, congenital, case-based learning, symposia, plenary, sonographer, how to and vascular. Several of the sessions will use an audience response system (ARS) for enhanced learning.

The conference kicks-off on Saturday with a full-day valve symposium entitled, "Heart Valve Innovations and Clinical Applications." This session highlights cutting-edge diagnostic and therapeutic issues, dilemmas and guidelines in patients with complex valvular heart disease. The exciting symposium will be a collaborative effort between cardiologists, surgeons, anesthesiologists, sonographers and pathologists and should not be missed.

Highlighted symposia on Sunday and Monday include sessions on surgical treatment of heart failure, 3D echocardiography, contrast, CRT, atrial fibrillation, systolic and diastolic heart failure and multimodality imaging. These sessions will consist of an exciting mixture of didactic presentations, discussion of original research and debates.

Plenary sessions will continue to showcase the "best of the best" of ASE. The annual Edler Lecture, titled "Echocardiography: A 2020 Vision," will be given by ASE's past-president, William Zoghbi, MD, FASE. During the business meeting preceding the Edler Lecture, Vincent Sorrell, MD, FASE will be awarded the Richard Popp Excellence in Teaching Award and the Cardiac Sonographer Distinguished Teacher Award will be presented to Carol C. Mitchell, PhD,

RDMS, RDCS, RVT, RT(R), FASE. Monday's plenary session will host the "2010 Arthur E. Weyman Young Investigator's Award Competition and Annual Feigenbaum Lecture." This year's Young Investigator's Award Competition will feature four of the top young researchers presenting their original investigative projects. Victor Mor-Avi, PhD, FASE will then present the annual Feigenbaum Lecture entitled, "3D Echocardiography: The Benefits of the Additional Dimension."

Additional original research will be presented by both young and established investigators throughout the meeting. Posters will be displayed from Sunday through Tuesday in the Exhibit & Poster Hall. Stop by and talk to the investigators at the posted presentation times to learn more about their research. Moderated posters will be presented in the Expo Theatres located in the Exhibit & Poster Hall. Selected abstracts will also be presented during several symposia.

The grand opening of the Exhibit & Poster Hall is on Sunday where you will find the latest and greatest technological advances in cardiovascular imaging. New this year is the Imaging Village, an innovative addition to the exhibit hall. The Imaging Village will house multiple didactic, live scanning and small group demonstrations, IV insertion workshops and hands-on computer stations in collaboration with our industry partners. Other features of the Exhibit & Poster Hall will be dining options, refreshment breaks, wireless internet and a variety of networking opportunities.

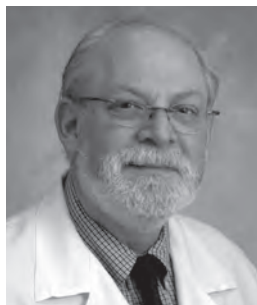
In addition to the abundant educational events, this meeting provides ideal opportunities for networking with friends and colleagues. Mingle and network at the President's Reception on Sunday evening. On Monday will be the ASE Members Only Event held at the San Diego Wine and Culinary Center. The ASE Foundation is sponsoring its first-ever Awards Gala on Saturday evening. The special honoree of the dinner will be Itzhak Kronzon, MD, FASE (Lifetime Achievement Award). Proceeds of this dinner will be used to fund the ASE Foundation research grants program.

San Diego also offers wonderful parks, restaurants, shopping and scenery for your enjoyment. We hope you find your visit to the ASE 2010 Scientific Sessions a memorable one!



Vera H. Rigolin

Vera H. Rigolin, MD, FASE
2010 Scientific Sessions Program Chair



Roberto M. Lang, MD

Roberto M. Lang, MD, FASE
2009-2010 ASE President



Bonnie J. Kane

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Future ASE Scientific Sessions

22nd Annual Scientific Sessions

June 11-14, 2011 | Palais des Congrès de Montréal
Montréal, Quebec, Canada



23rd Annual Scientific Sessions

June 30-July 3, 2012 | Gaylord National Hotel and Convention Center
Washington, DC (National Harbor, MD)



Educational Information

Course Description

Cardiovascular ultrasound is an established tool for the diagnosis and management of a wide range of cardiovascular disorders. Over the past several years, the clinical use of cardiovascular ultrasound has expanded significantly. As such, the American Society of Echocardiography (ASE) 21st Annual Scientific Sessions will offer a full spectrum of educational events ranging from core curriculum to symposia discussing novice, intermediate and advanced techniques. Research featuring leading cardiovascular ultrasound experts will also be highlighted. The program is an opportunity for all interested healthcare practitioners to explore contemporary issues and emerging developments in the field of cardiovascular ultrasound.

Target Audience

The ASE 21st Annual Scientific Sessions benefits all healthcare providers interested in cardiovascular medicine and in the numerous applications of ultrasound imaging. Participants of all experience levels will find sessions that meet their needs and help improve their practice. International and domestic attendees alike will find the high quality lectures, debates, poster presentations and exhibition beneficial to their professional growth. Individuals from the fields of cardiac and vascular ultrasound, cardiovascular anesthesiology, cardiovascular medicine, cardiovascular surgery, pediatric cardiology, thoracic surgery, emergency/critical care medicine and nursing, as well as cardiology administrators, research scientists, lab directors, medical residents/fellows and students are encouraged to actively participate in sessions and interact with available faculty.

Disclosure

ASE 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 relationship that could possibly conflict with the educational value of the program be resolved prior to the educational session and disclosed to the audience. In accordance with these policies, ASE implemented mechanisms prior to the planning and implementation of this CME activity to identify and resolve conflicts of interest for all individuals in a position to control content. Disclosure information is referenced and coded and can be found beginning on page 60 of this program.

Accreditation and Designation

The American Society of Echocardiography is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The American Society of Echocardiography designates this educational activity for a maximum of 31.5 *AMA PRA Category 1 Credits*[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.

The American Medical Association has determined that non-US licensed physicians who participate in this educational activity are eligible for *AMA PRA Category 1 Credits*[™].

ASE 2010 Learning Objectives

To provide:

- Highlights of the clinical applications of cardiac and vascular ultrasound.
- An introduction to new ultrasound technology and complementary imaging techniques.
- Sessions tailored to experts, intermediate practitioners and novices.

After participating in this program, attendees will be better able to:

- Utilize cardiac and vascular ultrasound to enhance clinical decisions regarding the management of many forms of cardiovascular disease.
- Quantitatively assess cardiac structure and function using cardiovascular ultrasound.
- Differentiate the value and limitations of a variety of cardiac imaging techniques over a wide range of applications.
- Incorporate new technical developments in imaging into clinical practice.
- Recognize the structural and functional significance of congenital heart disease in both pediatric and adult patients.
- Effectively use cardiovascular ultrasound as a diagnostic tool in the operating room.

ARDMS and CCI recognize ASE's certificates and have agreed to honor the credit hours toward their registry requirements for sonographers. This activity has been reviewed by the Intersocietal Accreditation Commission (IAC) and is acceptable for up to 31.5 hours of CME credit toward ICAEL laboratory accreditation requirements and up to 11.5 hours of CME credit toward ICAVL laboratory accreditation requirements. Due to concurrent sessions, the maximum amount of credits that can be applied towards echocardiography and vascular laboratory accreditation requirements combined is 31.5, with no more than 11.5 hours of credit being used towards ICAVL.

The National Board of Echocardiography[™] (NBE) requires 15 hours of echocardiography-specific CME for both ReASCE and RePTE recertification. This activity contains 15 *AMA PRA Category 1 Credits*[™] that can be used towards recertification requirements.

Educational Information

Educational Tracks

Case-Based Learning

Case studies will be used to illustrate the challenges and pitfalls in diagnosis and decision-making in clinical cardiology.

Congenital

Comprehensive review of echocardiography in the diagnosis and management of congenital heart disease in children and adults. Sessions begin with a full-day of programming on Saturday and conclude on Tuesday.

Core Curriculum

Learn how to best use ultrasound technologies to diagnose and manage patients with cardiovascular disease.

How To

Practical sessions on how to perform and optimize cardiovascular ultrasound and other imaging technologies.

Plenary

A synthesis of advances in the diagnosis and treatment of cardiovascular disease. These sessions are focused on current and evolving challenges in imaging for the healthcare provider.

Sonographer

Interactive educational presentations on all matters pertinent to the cardiovascular sonographer.

Symposia

Comprehensive sessions that focus on cutting-edge applications of cardiac imaging in a variety of well-known cardiovascular diseases.

Vascular

A targeted track with a focus on emerging technologies, reviewing clinical cases and understanding the diagnostic capabilities for carotid, arterial and venous ultrasound.

Ticketed Sessions

All ticketed sessions have limited seating. Tickets are based on availability and may be purchased at the ASE Registration Counter located on the ground level of the San Diego Convention Center outside Exhibit Hall B1.

Exam Prep

A two-day track specifically designed for physicians preparing to sit for the National Board of Echocardiography's™ (NBE) ASCeXAM and ReASCE. This condensed version of the annual ASCeXAM/ReASCE Review Course, led by Gerard P. Aurigemma, MD, FASE, will provide an overview of all the NBE exam sections. An audience response system will be used to facilitate interactive learning. (Tickets are \$150.)

Cardiovascular Sonographer Registry Review

A comprehensive review course presenting adult echocardiographic and physics related topics for the sonographer preparing to take the registry exams. This two-day track, led by Michelle Bierig, MPH, RDCS, FASE, features didactic lectures, integrated case studies, expert faculty advice and practice exam questions. A printed syllabus will be provided. (Tickets are \$50.)

Ticketed Breakfast Sessions

Small group sessions providing an opportunity for more in-depth interaction between faculty and participants. All sessions take place on Monday, June 14 at 7:00 am and include topics on 3D echocardiography, knobology, diastology and more. (Tickets are \$40 and include a hot breakfast.)



Educational Information

Highlighted Sessions

ASE 2010 Highlighted Symposium

Saturday, June 12

8:00 am - 5:35 pm

Heart Valve Innovations and Clinical Applications

This full-day symposium will highlight ASE guidelines, new concepts and advances in diagnosis and treatment of heart valve disease. Ballroom 6AB

Sunday, June 13

7:00 am - 8:30 am

ASE Business Meeting/Edler Lecture & Awards Presentation

William A. Zoghbi, MD, FASE of the Methodist DeBakey Heart & Vascular Center in Houston, TX and past president of ASE will present the 21st annual Edler Lecture titled, "Echocardiography: A 2020 Vision." Ballroom 6AB

4:15 pm - 5:45 pm

Meet Liv Hatle, MD, FASE

One of the most innovative echocardiographers of the 20th century, Liv Hatle, MD, FASE took an emerging technology and by combining it with Doppler ultrasound, made it one of today's most powerful diagnostic tools for interpreting cardiac physiology and cardiac disease states in both children and adults. Dr. Hatle will be presented with the ASE 2008 Honorary FASE Award. A. Jamil Tajik, MD, the first Lifetime Achievement Award winner, will present "A Roadmap of Doppler Discoveries," an interview with Dr. Hatle. Come learn from one of the greatest, while celebrating her legacy. Ballroom 6C



Monday, June 14

8:00 am - 9:45 am

2010 Arthur E. Weyman Young Investigator's Award Competition and Annual Feigenbaum Lecture

Victor Mor-Avi, PhD, FASE of the University of Chicago in Chicago, IL will present the annual Feigenbaum Lecture titled, "3D Echocardiography: The Benefits of the Additional Dimension." Ballroom 6AB

1:30 pm - 3:00 pm

Local Society Echo Challenge

The Local Society Echo Challenge is back featuring "Three of a Kind: An Echo Game!" This entertaining session, hosted by David B. Adams, RCS, RDCS, FASE, will showcase a variety of diseases in an educational format that will involve audience participation. The attendees will be split into teams and compete against each other for points. Points will be deducted for wrong answers. "Three of a Kind: An Echo Game" will be a lively and educational program! Attendees do not need to be pre-registered to participate. Ballroom 3

1:30 pm - 3:00 pm; 3:45 pm - 5:15 pm

Echocardiography: A Nursing Focus

A Nursing Focus offers a half-day nursing session that highlights the role of the RN in the echo lab and provides an introduction to common echo pathology. Ballroom 9

5:30 pm - 7:30 pm

Game Show: Who Wants to be an Echo Millionaire?

This year's game show will feature more science and cases in a faster-paced format than ever before. The Legends: Jae Oh, MD, FASE; Mani Vannan, MBBS; and Peg Knoll, RDCS FASE compete with the Legends in the Making: Malissa Wood, MD, FASE; Jonathan Lindner, MD, FASE; and Monet Strachan, RDCS, FASE for the million dollar check! Ballroom 6AB

Tuesday, June 15

8:00 am - 9:30 am

The Great Debate

Two gripping debates on two controversial subjects. Joseph Kisslo, MD, FASE will take on James Thomas, MD on the subject of multimodality imaging and why "Echo will Remain the Center of a Multimodality Lab" instead of "Echo will be Marginalized to Discrete Indications in a Multimodality World." Parker Ward, MD will fight for "Appropriateness Criteria: Valuable" while Natesa Pandian, MD will prove "Appropriateness Criteria: Just Another Advocacy Gimmick." Ballroom 6AB

10:00 am - 11:00 am

Legends Stumping Other Legends

Learn from legends in the field of cardiovascular ultrasound as they share some of their most unforgettable and challenging professional experiences, featuring Liv Hatle, MD, FASE; Harvey Feigenbaum, MD, FASE; Fausto Pinto, MD, PhD, FASE; Anthony DeMaria, MD, FASE; Alan Pearlman, MD, FASE; Steven Goldstein, MD; and chaired by A. Jamil Tajik, MD and Randolph Martin, MD, FASE. Ballroom 6AB

11:00 am - 12:00 pm

ASE 2010 Scientific Sessions Wrap-Up

Luminary faculty will come together to summarize the educational high points of the ASE 2010 Scientific Sessions. Ballroom 6AB

1:00 pm - 2:30 pm

Molecular Imaging and Mice: Future Directions

This didactic mice session consists of didactic talk presentations and how-to stations. Ballroom 9

1:30 pm - 3:00 pm

How To Sessions

Small group sessions providing an opportunity for more in-depth interaction between faculty and participants. Sessions include topics on management of an echo lab, ventricular assist devices, mitral valve surgery and more. (See page 54-55 for full list of sessions.)

Innovative Science

Moderated Abstract Presentations (Non-CME): Interactive sessions in the Exhibit & Poster Hall on cutting-edge research in cardiovascular ultrasound, presented by lead investigators and moderated by experts. (Information on abstracts can be found in the *Exhibition & Abstracts Catalog*.)

Networking Opportunities & Special Events

All networking opportunities and special events are non-CME.

FASE Lounge

9:00 am - 4:00 pm: Saturday - Monday, June 12 - 14;

9:00 am - 2:00 pm: Tuesday, June 15

in Ballroom 10 on the upper level of the San Diego Convention Center

Enjoy the benefits of being a Fellow of the American Society of Echocardiography (FASE) at the exclusive FASE Lounge conveniently located near the Speaker Ready Room. Come and pick up your FASE ribbon to show your dedication to your field and your prestigious designation. Lounge amenities will allow you to connect with friends, grab some refreshments and take a break from the hustle and bustle of the day while being close to all the sessions.

Saturday, June 12

ASE Foundation Awards Gala & Research Fundraiser

(Ticketed event; SOLD OUT)

7:00 pm - 10:30 pm at the El Cortez

The ASE Foundation Awards Gala will be held at a San Diego landmark, the famous El Cortez. This sold-out event supports the future of cardiovascular ultrasound by raising funds for the ASE Education and Research Foundation's (ASE Foundation) research grants program.

Winners of the following ASE 2010 Awards will be recognized at the Gala:

- **Lifetime Achievement Award** - Itzhak Kronzon, MD, FASE
- **Feigenbaum Lecturer** - Victor Mor-Avi, PhD, FASE
- **Meritorious Service Award** - Harry Rakowski, MD, FASE
- **Richard Popp Excellence in Teaching Award** - Vincent L. Sorrell, MD, FASE
- **Cardiac Sonographer Distinguished Teacher Award** - Carol C. Mitchell, PhD, RDMS, RDCS, RVT, RT(R), FASE
- **Award for Excellence in Teaching in Pediatrics** - Nancy A. Ayres, MD, FASE

Sunday, June 13

President's Reception

6:00 pm - 7:00 pm in the Exhibit & Poster Hall

All attendees are invited to the Exhibit & Poster Hall on the ground level of the San Diego Convention Center to celebrate the ASE 21st Annual Scientific Sessions and the presidency of Roberto M. Lang, MD, FASE. Join Dr. Lang and the rest of the Society's leadership in the Exhibit & Poster Hall for a reception. Network and mingle with colleagues and friends while experiencing the newest equipment and services in the cardiovascular field. Complimentary hors d'oeuvres and cocktails will be available from many stations on

the exhibit floor. Admission is included in your registration fee and guest tickets can be purchased at the ASE Registration Counter located on the ground level of the San Diego Convention Center outside Exhibit Hall B1 for family members (over the age of 12) to attend. **Don't miss your chance to bid on items during the ASE Foundation Silent Auction. Items will be open for bidding until 6:40 pm at the President's Reception. All proceeds benefit the ASE Foundation's research grants program.**

Council Member Networking Reception

7:00 pm - 8:30 pm on the San Diego Convention Center West/Pavilion Terrace immediately following the President's Reception

All members of the Council on Pediatric and Congenital Heart Disease, Council on Intraoperative Ultrasound, Council on Vascular Ultrasound and Council on Cardiac Sonography are invited to attend the Council Member Networking Reception. This reception is a great opportunity to meet fellow council members and respective board members. Board members from all four of ASE's councils will be there to meet and greet while you enjoy refreshments on an outdoor patio overlooking the marina. Don't miss this inaugural event intended to bring together ASE members with shared interests! If you were one of the first 600 pre-registered council members, don't forget your drink ticket, which was included in your registration packet.

Monday, June 14

Networking Event for International Attendees

2:45 pm - 3:30 pm located in booth #633 in the Exhibit & Poster Hall on the ground level of the San Diego Convention Center

All international attendees are encouraged to attend this new event to network with other international attendees and meet and share ideas with ASE leadership.

Local Society Networking Event

3:45 pm - 5:15 pm in Ballroom 3

All local society organizers and officers are invited to join ASE and toast your accomplishments while networking with your colleagues.

ASE Members Only Event

9:45 pm - 11:30 pm at the San Diego Wine and Culinary Center

Join your fellow ASE members at the San Diego Wine and Culinary Center (SDWCC). This beautiful location features a fully appointed wine bar, outdoor patio and entertaining music in a perfect downtown setting. This is the ideal destination to visit with your ASE friends and colleagues in pure California style! The SDWCC is at 200 Harbor Drive, Suite 120 on the ground level of the Harbor Club Towers located on the corners of 3rd Avenue & K Street and 2nd Avenue and J Street. The SDWCC is a short walk away from the San Diego Convention Center, San Diego Marriott Hotel & Marina and the Omni San Diego Hotel, and just steps from the Gaslamp Quarter and PETCO Park.

Directions: Cross Harbor Drive at 1st Avenue and walk along the Martin Luther King Promenade. The SDWCC is at the foot of the Harbor Towers on the left-hand side.

Special Awards

Named Lectures

2010 Edler Lecture



William A. Zoghbi, MD, FASE of the Methodist DeBakey Heart & Vascular Center in Houston, TX and past president of ASE has been named the 21st Annual Scientific Sessions Edler Lecturer. Created in 1990, the annual Edler Lecture honors the founder of echocardiography, Inge Edler, MD. Dr. Zoghbi will present his lecture titled, "Echocardiography: A 2020 Vision" during the

ASE Business Meeting/Edler Lecture & Awards Presentation from 7:00 am - 8:30 am on Sunday, June 13 in Ballroom 6AB of the San Diego Convention Center.

2010 Feigenbaum Lecture



Victor Mor-Avi, PhD, FASE of the University of Chicago in Chicago, IL has been named the 11th annual ASE Scientific Sessions Feigenbaum Lecturer. The Feigenbaum Lecturer was named in honor of the founder and the first president of ASE, Harvey Feigenbaum, MD, FASE. This lectureship is awarded to a young investigator in recognition of significant contribution to

research in the field of echocardiography as well as their potential to continue at a high level of achievement. Dr. Mor-Avi will present his lecture titled, "3D Echocardiography: The Benefits of the Additional Dimension," during the 2010 Arthur E. Weyman Young Investigator's Competition and Annual Feigenbaum Lecture from 8:00 am - 9:45 am on Monday, June 14 in Ballroom 6AB of the San Diego Convention Center.

Special Awards

Lifetime Achievement Award



The Lifetime Achievement Award recognizes an individual who has had a lifetime of outstanding achievements in the field of cardiovascular ultrasound and has served as a role model through service, research and teaching. This individual has a career in cardiovascular ultrasound spanning at least 25 years and is recognized at local, national and international levels. ASE is pleased to

recognize this year's recipient: **Itzhak Kronzon, MD, FASE**, Professor of Medicine and Director of Non-Invasive Cardiology at New York University Langone Medical Center in New York, NY. The award will be presented to Dr. Kronzon during the ASE Business Meeting/Edler Lecture & Awards Presentation from 7:00 am - 8:30 am on Sunday, June 13 in Ballroom 6AB of the San Diego Convention Center.

Dr. Kronzon has been an active teacher throughout his career and has delivered more than 1,500 invited lectures around the world. His research and teaching efforts have always been in clinical cardiology, with a major emphasis on echocardiography. His bibliography includes over 400 peer-reviewed manuscripts, as well as numerous editorials, reviews, book chapters, invited manuscripts and abstracts. He has also edited or co-edited four major textbooks. Most remarkably, the vast majority of these publications are co-authored with his students and mentees. Dr. Kronzon has mentored generations of cardiology and echocardiography trainees. Many of these students are now leaders in the field, including directors of laboratories, divisions and departments.

An active member of numerous professional societies including ASE, the American College of Cardiology (ACC), the American Heart Association (AHA), the International Society of Ultrasound in Medicine (ISUM), the Israel Heart Association (IHA), the European Society of Cardiology (ESC) and the Indian Society of Echocardiography (ISE), he has also served on editorial boards for 15 different cardiology and echocardiography scientific journals. He was the founder and first president of the New York Echocardiography Society (NYES), where he continues to serve as a member of the Board of Directors.

Dr. Kronzon has been a significant contributor to many ASE initiatives throughout his career. He has been a faculty member for numerous ASE educational courses, and has served on the Board of Directors, as well as on many ASE writing groups, committees and task forces, including the Research Committee, New Technology Task Force, Vascular Task Force, IRT Committee and Nominating Committee. Additionally, Dr. Kronzon served on the ASE writing group for the "Consensus Statement on Clinical Applications of Contrast Agents in Echocardiography." Dr. Kronzon was the Echo Jeopardy champion in 2003, and helped lead the NYES to victory in the Local Society Echo Challenge from 2001-2003.

Dr. Kronzon received his medical degree in 1966 from the Hadassah/Hebrew University Medical School in Jerusalem, Israel. After residency in medicine and cardiology in Israel, he moved to the United States, completed his cardiology fellowship at Albert Einstein College of Medicine in Bronx, NY and then trained in invasive cardiology at New York University Medical Center's Cardiac Catheterization Laboratory. Since 1974, he has been an attending physician in medicine and cardiology at New York University. He founded the non-invasive cardiology laboratory in 1975 and has been its director ever since. He was also a senior professor by special appointment at Tel Aviv University, Israel from 1992-2004, and director and consultant at the Escorts Heart Institute in New Delhi, India. Dr. Kronzon has received numerous other honors and distinguished awards throughout his career, including nine named lectureships in the US and abroad. Dr. Kronzon is married to his high school sweetheart, Ziva, and they have three children and three grandchildren.

ASE and the ASE Foundation are proud to name Dr. Itzhak Kronzon as the 2010 Lifetime Achievement Award winner.

Meritorious Service Award



The Meritorious Service Award recognizes an individual member for their substantial and generous efforts to ASE's betterment. ASE is pleased to recognize this year's recipient: **Harry Rakowski, MD, FASE** of the Toronto Hospital in Toronto, Ontario, Canada. Dr. Rakowski, a past president of ASE, has continued to be actively engaged in the Society since his presidency was completed in 2001. The award will be

presented to Dr. Rakowski during the ASE Business Meeting/Edler Lecture & Awards Presentation from 7:00 am - 8:30 am on Sunday, June 13 in Ballroom 6AB of the San Diego Convention Center.

In his role as the Chair of the Publications Committee, Dr. Rakowski played an instrumental role in renegotiating the *Journal of the American Society of Echocardiography* (JASE) publication contract with Elsevier in 2008, as well as recruiting and vetting the new JASE editor, Alan Pearlman, MD, FASE. In his role as Governance Task Force Chair in 2009, he led a revision of the Society's bylaws and changed the leadership structure of the Society. He has also worked tirelessly to assist ASE in a variety of contract negotiations; including but not limited to, the 2008 ASE management transition from FirstPoint Resources management to self-management; the 2010 publication of *Dynamic Echocardiography*, a complete

Special Awards

echocardiography resource textbook; and the transfer of the ASE 14th Annual Scientific Sessions from Toronto, Canada to Las Vegas, NV during the SARS scare in 2003. Dr. Rakowski has been instrumental in developing the new Echo Millionaire game show for the Scientific Sessions. He has worked to advance the Society's ability to meet its members' needs by working on a wide variety of committees and workgroups including the Foundation Campaign, Industry Round Table (IRT) and JASE Editorial Board as well as the Finance, Scientific Sessions, Education, Advocacy, Web Steering and Nominating Committees. He has also been involved in a number of writing groups including the Quality Task Force, Prosthetic Valve Guideline and the contrast position paper. Finally, he has been a generous financial supporter of the ASE Foundation and given countless hours of his personal time to foster the development of the Society and further its mission.

Richard Popp Excellence in Teaching Award



Vincent L. Sorrell, MD, FASE of the University of Arizona Sarver Heart Center in Tucson, AZ has been named the 10th annual recipient of the Richard Popp Excellence in Teaching Award. Dr. Sorrell was nominated by his peers for his excellence in teaching. The award is named in honor of ASE's second president, Richard L. Popp, MD, FASE, and recognizes physicians who epitomize the ideal qualities

possessed by a mentor and role model. He will be recognized during the ASE Business Meeting/Edler Lecture & Awards Presentation from 7:00 am - 8:30 am on Sunday, June 13 in Ballroom 6AB of the San Diego Convention Center.

Cardiac Sonographer Distinguished Teacher Award



Carol C. Mitchell, PhD, RDMS, RDCS, RVT, RT(R), FASE of the University of Wisconsin Hospitals and Clinics, School of Diagnostic Medical Sonography in Madison, WI has been named the recipient of the 10th annual Cardiac Sonographer Distinguished Teacher Award. She was nominated by her peers as an active ASE cardiovascular sonographer instructor who is attentive to the

cardiovascular sonographer values while epitomizing leadership values and dedication to the field of echocardiography. She will be recognized during the ASE Business Meeting/Edler Lecture & Awards Presentation from 7:00 am - 8:30 am on Sunday, June 13 in Ballroom 6AB of the San Diego Convention Center.

Award for Excellence in Teaching in Pediatrics



Nancy A. Ayres, MD, FASE of the Texas Children's Hospital/Baylor College of Medicine in Houston, TX has been named the third recipient of the Award for Excellence in Teaching in Pediatrics. Established in 2005, this biannual award recognizes an ASE member who demonstrates exceptional commitment and skill in teaching pediatric echocardiography, who has been a mentor to students, serves

as a role model for the profession and who fosters a sense of clinical excellence and research investigation in the individuals they teach. Dr. Ayres will be recognized during the ASE Business Meeting/Edler Lecture & Awards Presentation from 7:00 am - 8:30 am on Sunday, June 13 in Ballroom 6AB of the San Diego Convention Center. She will also be acknowledged during the Council on Pediatric and Congenital Heart Disease Business Meeting and Awards Presentation from 12:15 pm - 1:00 pm on Monday, June 14 in Ballroom 6F.

Honorary FASE

The Fellow of the American Society of Echocardiography (FASE) designation recognizes individuals dedicated to cardiovascular ultrasound who exemplify the highest quality standards in the profession. The International Relations Committee, in conjunction with the ASE Executive Committee, nominated three individuals to receive an "Honorary FASE" designation in 2010. This honor was given to individuals who have made significant contributions to the field of cardiovascular ultrasound and have played a strong role in building international relationships with the Society as well as individuals within ASE. They will be recognized during the ASE Business Meeting/Edler Lecture & Awards Presentation from 7:00 am - 8:30 am on Sunday, June 13 in Ballroom 6AB.

The 2010 honorees are:

Alessandro Distante, MD, FASE, Pisa University, Pisa, Italy

Shintaro Beppu, MD, FASE, Osaka Seamen's Insurance Hospital, Osaka, Japan

Namsik Chung, MD, FASE, Yonsei University College of Medicine, Seoul, Republic of Korea

2010 Abstract Presenter Travel Grant Recipients

The ASE 2010 Scientific Sessions Program Committee is pleased to recognize the following recipients of Abstract Presenter Travel Grants for attendance at the 21st Annual Scientific Sessions. The presentation of original research from around the world illustrating exciting new developments in cardiovascular ultrasound is an integral component of this meeting, and each of these young presenters was awarded \$1,000 toward travel expenses.

Wilfried Dinh, MD, University Witten Herdecke, Witten Herdecke, Germany

Chad M. House, BS, RDCS, Regions Hospital, St. Paul, MN

Puja B. Parikh, MD, Stony Brook University Medical Center, Stony Brook, NY

Shantanu P. Sengupta, MD, Sengupta Hospital and Research Institute, Nagpur, India

Mark R. Stampehl, MD, Baylor College of Medicine, Houston, TX

UltraEcho, Ltd. Cardiovascular Sonographer Student Travel Grant Recipient

This award, supported by a grant to the ASE Foundation, is presented to a sonographer student enrolled in an accredited cardiovascular ultrasound program. This grant provides funding to assist a student to attend the annual Scientific Sessions or other ASE-sponsored educational course.

The 2010 travel grant has been awarded to **Maame A. Amuah** of the University of Wisconsin, School of Diagnostic Medical Sonography in Madison, WI. This award will be recognized during the Council on Cardiac Sonography Business Meeting: Update on Pending Issues from 7:00 am - 8:00 am on Monday, June 14 in Ballroom 2.

Special Awards

Alan D. Waggoner, MHS, RDCS Sonographer Student Scholarship Recipients

The Alan D. Waggoner, MHS, RDCS Sonographer Student Scholarship program was established in 2001 in recognition of Mr. Waggoner's professional achievements and service to ASE. Funding from the ASE Foundation provides five \$1,000 scholarships for students enrolled in a cardiovascular ultrasound program accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) in the United States, or by an equivalent Canadian or international ultrasound program. The awards are based on academic record, letters of support and personal essays. Included with each scholarship is a one-year complimentary membership to ASE as well as complimentary registration and travel support for the recipient to attend the ASE Scientific Sessions. This year's recipients were chosen from a large group of well-qualified candidates based on their nominating letters, personal accomplishments and academic records. The 2010 scholarship recipients are:

Abraham Andresen, Santa Fe College, Gainesville, FL

Elizabeth Leahy, Hoffman Heart Institute School of Cardiac Ultrasound, Hartford, CT

Vladimir Masati, Johns Hopkins School of Cardiac Ultrasound, Baltimore, MD

Karin Ozowski, El Centro College, Dallas, TX

Heidi Rivisto, Mayo School of Health Sciences - Echocardiography, Rochester, MN

The 2010 scholarship recipients will be recognized during the ASE Business Meeting/Edler Lecture & Awards Presentation from 7:00 am - 8:30 am on Sunday, June 13 in Ballroom 6AB of the San Diego Convention Center.

Feigenbaum Cardiovascular Sonographer Student Travel Grant Recipient

This award is supported by a grant to the ASE Foundation from Elsevier to honor the 20-year commitment and tenure of the former JASE Editor, Harvey Feigenbaum, MD, FASE. It is presented to a sonographer student enrolled in an accredited cardiovascular ultrasound program. This grant provides funding to assist a student to attend the annual Scientific Sessions or other ASE-sponsored educational course.

The 2010 travel grant has been awarded to **Robert N. Houde, II** of Bunker Hill Community College in Boston, MA. This award will be recognized during the Council on Cardiac Sonography Business Meeting: Update on Pending Issues from 7:00 am - 8:00 am on Monday, June 14 in Ballroom 2.

2010 Arthur E. Weyman Young Investigator's Award Finalists

The ASE Scientific Sessions Program Committee is pleased to recognize the finalists for the 2010 Arthur E. Weyman Young Investigator's Award Competition, supported by the National Board of Echocardiography™ (NBE) in honor of their first president, Arthur E. Weyman, MD, FASE. These outstanding young investigators will present their research during the 2010 Arthur E. Weyman Young Investigator's Award Competition and Annual Feigenbaum Lecture from 8:00 am - 9:45 am on Monday, June 14 in Ballroom 6AB of the San Diego Convention Center.

Abstract Chair: Susan E. Wieggers, MD, FASE

Abstract Co-Chair: Sherif F. Nagueh, MD, FASE

Mayank M. Kansal, MD, Mayo Clinic, Scottsdale, AZ - "Impact of Intramural Scar Distribution on Layer-Specific Impairment of Myocardial Mechanics: Comparison between Three-Myocardial

Layer-Based Speckle Tracking Echocardiography and Delayed Enhanced Magnetic Resonance Imaging"

Shelby Kutty, MD, University of Nebraska/Creighton University Joint Division of Pediatric Cardiology, Omaha, NE - "Sonothrombolysis of Intra-Catheter Aged Venous Thrombi In-Vitro Using Microbubble Enhancement and Guided Three Dimensional Ultrasound Pulses"

Julien Magne, MD, CHU Sart Tilman, Liege, Belgium - "Exercise Pulmonary Hypertension in Asymptomatic Degenerative Mitral Regurgitation: Mechanisms and Impact on Symptoms"

Nupoor Narula, MD, University of California Irvine, Irvine, CA - "Characterization of Left Ventricular Deformation in Cardiomyopathy Associated with Adenine nucleotide translocase 1 Deficiency"

ASE 2010 Council Travel Grant Awards

The ASE sponsored Council Travel Grants to trainees to fund their attendance at the ASE 2010 Scientific Sessions. These travel grants are part of an ongoing effort by the council boards to encourage trainees in cardiovascular specialties to focus on the respective echocardiography sub-specialty and to recruit enthusiastic new members to the council membership. In addition, the hope of the council boards is to provide interested fellows with a deeper understanding of the imaging field and facilitate the development of meaningful mentoring opportunities for trainees with established imaging faculty.

Council on Pediatric and Congenital Heart Disease Travel Grant Award

Brad Alan Friedman, MD, Medical University of South Carolina, Charleston, SC (\$1,500)

Council on Vascular Ultrasound Travel Grant Award

Veerendra M. Chadachan, MD, MRCP(UK), FAMS (Singapore), Boston Medical Center, Boston, MA (\$750)

Sarwar Hassan Orakzai, MD, Dartmouth Hitchcock Medical Center, Lebanon, NH (\$750)

Council on Intraoperative Ultrasound Travel Grant Award

Luisa Ciatti, MD, Ospedale del Cuore G. Pasquinucci, Massa, Italy (\$500)

Frederick C. Cobey, MD, MPH, Duke University Medical Center, Durham, NC (\$500)

Lily Zhang, MD, Baylor College of Medicine, Houston, TX (\$500)

2010 Council on Vascular Ultrasound Abstract Award

The Council on Vascular Ultrasound Board voted abstract P1-83, Dissociation between Coronary and Brachial Artery Vasoactivity Response to Cold Pressor Test in Left Ventricular Ballooning Syndrome, as the 2010 Vascular Abstract winner. This year, there were 18 posters accepted into the Vascular Disease and Physiology/Aorta/Endothelial Function category, all of which will be presented on Sunday, June 13 in the Exhibit & Poster Hall. The Vascular Ultrasound Council would like to congratulate the following on their abstract: Riccarda Del Bene¹, Giuseppe Barletta¹, Maria Boddi², Stefano Del Pace², Claudia Salvadori², Benedetta Bellandi², Mirella Coppo³, Elisa Saletti¹, Gian Franco Gensini². ¹Noninvasive Cardiology, Careggi Hospital, Florence, Italy; ²Clinical Cardiology, Careggi Hospital, Florence, Italy; ³Atherothrombotic Diseases, Careggi Hospital, Florence, Italy.

Registration, Badge & Ticket Distribution

Attendee Registration

The ASE Registration Counter is located on the ground level of the San Diego Convention Center outside Exhibit Hall B1.

ASE Registration Counter hours:

Friday, June 11.....	4:00 pm - 7:00 pm
Saturday, June 12	7:00 am - 4:00 pm
Sunday, June 13.....	6:30 am - 6:30 pm
Monday, June 14	6:30 am - 5:30 pm
Tuesday, June 15	6:30 am - 3:30 pm

Faculty Registration and Speaker Ready Room

Faculty registration and the Speaker Ready Room are located on the upper level of the San Diego Convention Center in Ballroom 11AB. All faculty must visit the Speaker Ready Room to officially register, preview their presentation and receive their name badge.

Faculty name badges will not be available at the ASE Registration Counter.

The Speaker Ready Room will be staffed with technicians to assist faculty as follows:

Friday, June 11.....	4:00 pm - 7:00 pm
Saturday, June 12	7:00 am - 4:00 pm
Sunday, June 13.....	6:30 am - 6:30 pm
Monday, June 14	6:30 am - 5:30 pm
Tuesday, June 15	6:30 am - 3:30 pm

Ticket Distribution

Please note that some sessions require a purchased ticket for admission. The Exam Prep, Cardiovascular Sonographer Registry Review and Monday's Ticketed Breakfast Sessions require a purchased ticket; seating is limited and based on availability. If the courses are not sold-out, tickets can be purchased at the ASE Registration Counter during registration hours.

New in 2010! Imaging Village sessions, located in the Exhibit & Poster Hall, will feature Live Scanning, Lunch in the Village, Small Group Demonstrations, Hands-on Computer Stations and IV Insertion Workshops. Lunch in the Village sessions require a ticket. If seats are available, tickets may be purchased at the ASE Registration Counter. Sessions held in the Imaging Village are non-CME. More details on these sessions, including dates, times, topics and faculty are available in the *Exhibition & Abstracts Catalog*.

Name Badges

Admission to the ASE 2010 Scientific Sessions and the Exhibit & Poster Hall is by badge only. Please wear your name badge at all times when in the San Diego Convention Center. However, we recommend for your safety that name badges not be worn outside of the Convention Center.

ASE exhibitors use a lead retrieval system in the Exhibit & Poster Hall to obtain your information. Your name badge also functions as your exhibit badge, providing exhibitors with your name, institution (where applicable), address, business telephone number and email address. ASE will not release email addresses of attendees who declined this option on their registration form.

Family members with guest badges will be admitted to the Exhibit & Poster Hall and may sit in on non-ticketed educational sessions as space allows, but they are not eligible for a conference bag or to claim CME/CEU credit. Guests must be at least 12 years of age. You may purchase guest badges for family members at the ASE Registration Counter.

ASE reserves the right to revoke or deny attendance of any registered participant, speaker, exhibitor, news media reporter or photographer of presentations or activities at the ASE 21st Annual Scientific Sessions.

PLEASE NOTE: There is a \$50 replacement fee for lost name badges.

Claiming Continuing Education Credit

Certificates for CME/CEU credit are available on site using our computerized certificate request system. All professional registrants may use the computers at the CME/CEU Counter located on the ground level of the San Diego Convention Center across from the ASE Registration Counter. To obtain a certificate, you must log on using your name as it appears on your ASE Scientific Sessions name badge. Credit should be claimed one time only on your final day of participation, and should not be applied for on a daily basis. Separate certificates will not be issued for your attendance of ticketed sessions, and as such, hours from the Cardiovascular Sonographer Registry Review, Exam Prep and Monday's Ticketed Breakfast Sessions should be included in your credit hours. CME/CEU's are based on an honor system and credits claimed should only reflect the extent of your participation in the meeting. Credit gained at the annual meeting will be compiled in ASE's membership database and will be tracked to allow members future access to this information.

Exclusive 2010 FASE Lounge

9:00 am - 4:00 pm: Saturday - Monday, June 12-14;

9:00 am - 2:00 pm: Tuesday, June 15

in Ballroom 10 on the upper level of the San Diego Convention Center

Enjoy the benefits of being a Fellow of the American Society of Echocardiography (FASE) at the exclusive FASE Lounge conveniently located adjacent to the Speaker Ready Room. Our first-ever FASE Lounge in 2009 was extremely popular and this year's lounge will be even more comfortable and feature an outside deck with a view of the waterfront. Come and pick up your FASE ribbon to show your dedication to your field and your prestigious designation. Lounge amenities will allow you to connect with friends, grab some refreshments and take a break from the hustle and bustle of the day while being close to all the sessions.

Exhibit Information

Exhibit & Poster Hall

The ASE Exhibit & Poster Hall is located on the ground level of the San Diego Convention Center in Exhibit Hall B1. You will need your official ASE name badge for admission to the Exhibit & Poster Hall. The *Exhibition & Abstracts Catalog* will provide detailed information on the Scientific Session's original science, exhibit descriptions, booth locations, new Imaging Village sessions and sessions held in the Expo Theatres.

New in 2010!

The Exhibit & Poster Hall will house the Imaging Village featuring Live Scanning, Lunch in the Village, Small Group Demonstrations, Hands-on Computer Stations and IV Insertion Workshops. Lunch in the Village sessions require a ticket. If seats are available, tickets may be purchased at the ASE Registration Counter. Sessions held in the Imaging Village are non-CME. More details on these sessions, including dates, times, topics and faculty are available in the *Exhibition & Abstracts Catalog*.

Exhibit & Poster Hall Hours:

Sunday, June 13.....	10:15 am - 7:00 pm (6:00 pm - 7:00 pm: President's Reception)
Monday, June 14	9:15 am - 4:45 pm
Tuesday, June 15	9:30 am - 2:30 pm

For safety reasons, entry will be denied to anyone under the age of 12. Guests may purchase a guest badge for admittance to the Exhibit & Poster Hall at the ASE Registration Counter on the ground level of the San Diego Convention Center outside Exhibit Hall B1.

ASE Headquarters booth #501

Please take some time to visit us at ASE Headquarters booth #501 to find out what's new with ASE and learn about the exciting changes taking place in the cardiovascular ultrasound field. At ASE Headquarters you'll find comprehensive information on all of our educational programs and products, membership opportunities and advocacy efforts. In addition, don't miss the exciting new products and services designed to help with your practice of cardiovascular ultrasound. Whatever you need, come to ASE Headquarters and we'll help you find it. Don't forget to stop by and pick up a complimentary copy of the updated ASE Guidelines CD.

While you are at ASE Headquarters, learn more about the ASE Foundation, including research grant opportunities, and make a donation to support future ASE Foundation activities and grants. You are invited to play a role in the future of cardiovascular ultrasound and become a supporter of the ASE Foundation. The ASE Foundation provides support for education, research, quality improvement and professionalism; helping drive ASE's ongoing mission to serve its members, the larger community of healthcare providers and patients for whom cardiovascular ultrasound is essential. The ASE Foundation also supports hands-on learning experiences, such as the Learning Lab courses, held in Research Triangle Park, NC. Information on these upcoming courses and ASE Foundation charitable activities can be found in booth #501.

ASE Membership

ASE serves its members in numerous ways by providing education, advocacy, research, practice guidelines and a community for your profession. ASE is the largest cardiology subspecialty organization. Did you know your ASE membership affords you over \$400 of FREE CME's a year, in addition to discounts on educational courses and products? Also included is a monthly subscription to JASE, help with legislative coding and reimbursement issues and other career resources. With all these benefits, ASE membership is a great value and an essential investment for your career.

If you are not already a member we encourage you to stop by ASE Headquarters booth #501 or visit www.asecho.org. Join to start receiving the great benefits ASE offers to the cardiovascular ultrasound community.

ASE Product Sales

Location and Hours:

Saturday, June 12	9:30 am - 2:00 pm Located across from the ASE Registration Counter
Sunday, June 13.....	10:15 am - 7:00 pm ASE Headquarters booth #501
Monday, June 14	9:15 am - 4:45 pm ASE Headquarters booth #501
Tuesday, June 15	9:30 am - 2:30 pm ASE Headquarters booth #501

Are you aware that ASE offers educational products to help you improve your practice? Wide arrays of products are available for purchase every day. Save time and money by purchasing your products at the ASE 2010 Scientific Sessions.

Don't miss your opportunity to be the first to purchase our brand-new products.

NEW TEXTBOOK! *Dynamic Echocardiography*

Exhibition & Abstracts Catalog

Returning in 2010, the *Exhibition & Abstracts Catalog* provides information on ASE 2010 Scientific Session's original science, exhibit descriptions, booth locations, sessions in the Expo Theatres and the new Imaging Village sessions! Please see the *Exhibition & Abstracts Catalog* for detailed information (including topics and faculty) on sessions taking place in the Imaging Village.

Echo Around the World

You won't need a passport to visit "Echo Around the World" in booth #325 in the Exhibit & Poster Hall. Join us for the latest information on upcoming activities from echocardiography societies around the world such as South America, Asia, Europe, the Middle East and more.

ASE is going global! View the first of our translated educational products and guideline documents in booth #325. Take a trip around the world of echocardiography; no jet lag or lost luggage required!

Facility Information

San Diego Convention Center

111 West Harbor Drive, San Diego, CA 92101



Restaurant and Concierge Desk

Your source for all things San Diego. Attendees needing lodging and hotel information, dinner reservations or insider tips to make the best of your free time should visit the San Diego Convention Center's Restaurant and Concierge Desk located on the ground level in Lobby B. The concierge staff can also arrange transportation, book a wide variety of attractions and tours and provide menus, pricing and directions to the region's finest restaurants. They are bona fide San Diego experts!



Official ASE 2010 Hotels

San Diego Marriott Hotel and Marina (ASE Headquarters Hotel)

333 West Harbor Drive
San Diego, CA 92101
Phone: (619) 234-1500
Fax: (619) 234-8678



Omni San Diego Hotel

675 L Street
San Diego, CA 92101
Phone: (619) 231-6664
Fax: (619) 231-8060

Parking

San Diego Convention Center Parking:

Private vehicle parking is available in the underground garage and in the garage directly across the street to the east of the Convention Center. The cost is \$10 per day per vehicle depending on event activity in the building.

San Diego Marriott Hotel and Marina Guests:

On-site parking is available for \$10/hour or \$22/daily.

Omni San Diego Hotel Guests:

A variety of public parking garages are within one block of the hotel, prices vary. Valet parking is available for \$30/daily per car with in/out privileges.

First Aid

The First Aid Station is located on the ground level of the San Diego Convention Center located under the escalators outside Lobby B. An emergency medical professional will be available during the hours of the ASE 2010 meeting, as well as during set-up and break down of the entire event. In the event of a medical emergency, go directly to the First Aid Station.

Security and Lost and Found

The San Diego Convention Center has security personnel within the building 24 hours a day. Questions regarding lost or found items may be directed to the ASE Registration Counter, located on the ground level of the San Diego Convention Center outside Exhibit Hall B1.

Business Center

FedEx Kinko's, the San Diego Convention Center's on-site business center, is conveniently located in Lobby D and specializes in digital distribution and printing of conference materials. Call (619) 525-5450 or just stop by. Hours of operation: Monday - Friday from 8:00 am - 5:00 pm and Saturday - Sunday from 9:00 am - 5:00 pm.

General Information & Regulations

Food Functions

Morning and afternoon coffee breaks are available for registered attendees in the Exhibit & Poster Hall Sunday, June 13 through Tuesday, June 15 and on the upper level of the San Diego Convention Center Saturday, June 12. Please refer to the Schedule-at-a-Glance for the times of the daily morning, afternoon and lunch breaks. Food and beverage kiosks are also available in the Exhibit & Poster Hall during exhibit hours for attendees. These kiosks provide a wide variety of heart-healthy dining options for purchase. ASE will NOT provide lunch for any of the educational sessions. The San Diego Convention Center houses a Starbucks across from the ASE Registration Counter for attendees to purchase coffee, teas and/or light refreshments throughout the day. Starbucks is open Saturday, June 12 from 7:00 am - 11:00 am; Sunday - Monday, June 13-14 from 6:00 am - 4:00 pm; and Tuesday, June 15 from 6:00 am - 3:30 pm. Located on the ground level adjacent to Exhibit Hall A is the San Diego Convention Center's on-site restaurant, TIDES, providing a diverse menu for breakfast and lunch for those who have a little extra time. TIDES is open from 11:00 am - 2:00 pm.

Internet

Internet access is available during exhibit hours in the Exhibit & Poster Hall located at the Email Kiosks. Printers for printing your boarding passes are also available for attendee use at the Email Kiosks. ASE thanks the American Registry for Diagnostic Medical Sonography® (ARDMS), booth #319, for sponsoring the Email Kiosks.

Wireless Lounge

Conveniently located in the Exhibit & Poster Hall, the Wireless Lounge allows attendees to access the internet without ever leaving the Convention Center.

Cell Phone Use

Cell phones should not be used in the educational sessions. For consideration of faculty and other attendees, please remember to turn your cell phones and/or other electronic devices off or set to vibrate mode.

Safety

Audience seating is on a first-come, first-served basis. According to fire code, a session must be closed if the room fills to capacity. Inappropriate behavior or undesirable conduct, including, but not limited to, verbal or physical abuse, whether threatened or performed, will not be permitted or tolerated. You must wear your name badge at all times in the Convention Center. Be sure to remove your badge when you leave the Convention Center or your hotel room.

News Media

The ASE Press room for the ASE 21st Annual Scientific Sessions is located in room 12 on the mezzanine level of the San Diego Convention Center. This facility is for the use of registered media only: press credentials are required. For information regarding news releases, news conferences and interviews, please contact Cathy Kerr, CAE, Vice President of Communications at ckerr@asecho.org or 1-919-861-5574 ext. 7156. Media representatives must display their official ASE badge at all times. Please see our Photography and Audio/Visual Recording policy.

Photography and Audio/Visual Recording Policy

No person may record any portion of the ASE 2010 Scientific Sessions, either by video, still or digital photography, audio or any other recording or reproduction mechanism. This includes recording of presentations and supporting A/V materials and of poster presentations and supporting poster materials.

Taking photos of, or recording the content of, meeting room slides is also prohibited and is considered intellectual piracy. Attendees who ignore this policy will be asked to leave the educational session and are at risk of losing their conference badge and privileges.

ASE reserves the rights to all recordings or reproductions at ASE meetings. Please be aware that during the Scientific Sessions, attendees, vendors, guests and exhibitors may be photographed or videotaped by ASE contractors capturing the event. Some of these photographs or videos may be displayed by ASE in future publication or other materials. By virtue of your attendance, you agree to allow ASE to use photographs of you in its promotional materials.

Children

San Diego is a fantastic city for a family vacation. Information on childcare services is available through the concierge or front desk at each hotel. ASE does not offer childcare services. Due to limited seating capacity and the highly technical nature of the program, children are not allowed to attend sessions. For their safety, children must be accompanied by an adult at all times during the ASE 2010 sessions. Children 12 and older must have a purchased guest registration before they will be allowed entry into the Exhibit & Poster Hall. Children 12 and younger, strollers and infant carriers are not permitted on the exhibit floor at any time.

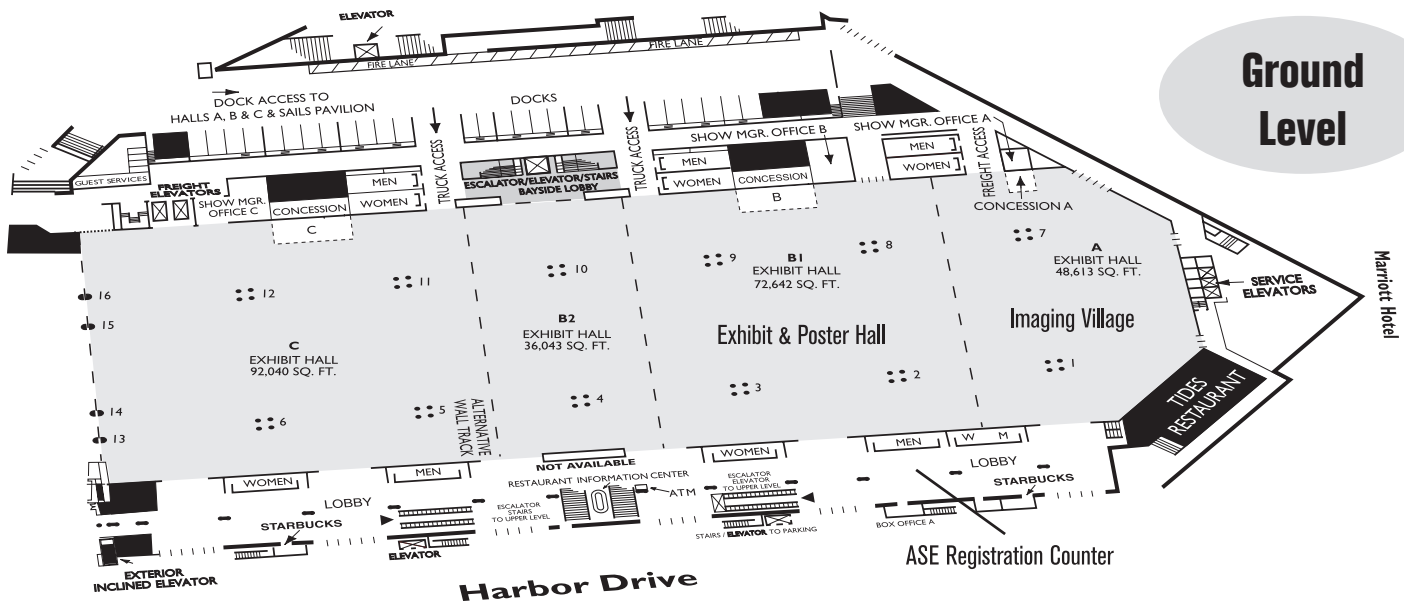
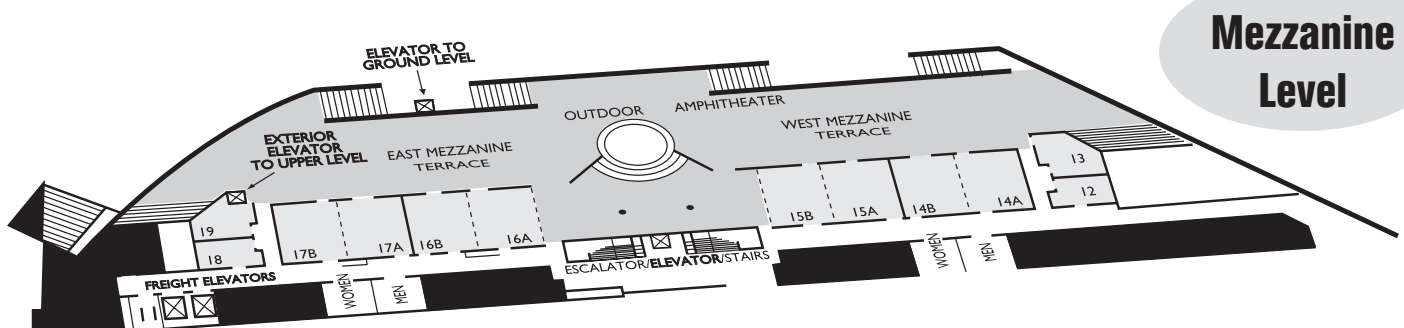
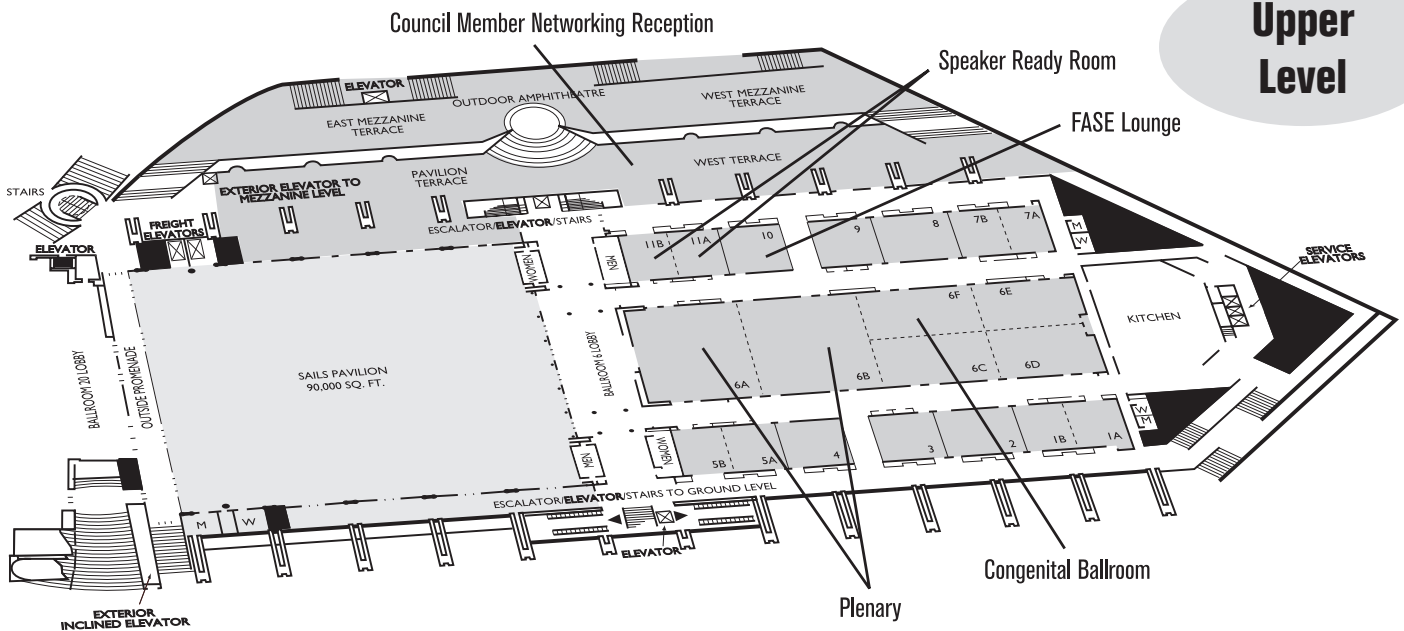
Luggage Storage and Coat Check

This service is located outside of Exhibit Hall A by the ASE Registration Counter. Attendees have the option of storing their luggage or coats Monday - Tuesday during conference hours. ASE is not responsible for missing luggage or other personal items.

Message Center

A message center is located on the ground level of the San Diego Convention Center outside Exhibit Hall B1. This is a good location to check for messages from colleagues. ASE is not responsible for monitoring messages posted, but reserves the right to remove any content that is deemed out-of-date or offensive.

San Diego Convention Center Map



Schedule-at-a-Glance: Friday, June 11

Friday Committee Meetings (held at the San Diego Marriott Hotel and Marina)	
ASE New Board Members Orientation Meeting	11:30 am - 1:00 pm (Invitation Only)
ASE/ASEF Board of Directors Meeting	1:15 pm - 5:30 pm
ASE/ASEF Board of Directors Picture	5:30 pm - 5:45 pm

On-site Registration Open
4:00 pm - 7:00 pm
Exhibit & Poster Hall
Closed

Schedule-at-a-Glance: Saturday, June 12

		8:00 am	9:00 am	10:00 am	11:00 am	12:00 pm
Plenary Room 6AB		8:00 am - 5:35 pm: Heart Valve Innovations and Clinical Applications - Highlighting guidelines,				
				10:05 am - 10:25 am Break		12:15 pm - 1:15 pm LUNCH
Congenital Room 6F		8:00 am - 9:30 am Complete Atrioventricular Canal (AVSD)	9:30-10:00 Break	10:00 am - 11:30 am Hypoplastic Left Heart Syndrome	11:30 am - 1:00 pm LUNCH	
		8:00 am - 9:30 am Physics, Artifacts and Imaging Basics	9:30-10:00 Break	10:00 am - 11:30 am Valvular Disease	11:30 am - 1:30 pm LUNCH	
Exam Prep (Ticketed) Room 1AB		8:00 am - 9:30 am Intro to Echo: The Patient, The Views & The Procedures	9:30-10:00 Break	10:00 am - 12:30 pm Physics Made Less Scary	12:30 pm-1:30 pm LUNCH	
		8:00 am - 9:30 am Intro to Echo: The Patient, The Views & The Procedures	9:30-10:00 Break	10:00 am - 12:30 pm Physics Made Less Scary	12:30 pm-1:30 pm LUNCH	
Cardiovascular Sonographer Registry Review (Ticketed) Room 3		8:00 am - 9:30 am Intro to Echo: The Patient, The Views & The Procedures	9:30-10:00 Break	10:00 am - 12:30 pm Physics Made Less Scary	12:30 pm-1:30 pm LUNCH	
		8:00 am - 9:30 am Intro to Echo: The Patient, The Views & The Procedures	9:30-10:00 Break	10:00 am - 12:30 pm Physics Made Less Scary	12:30 pm-1:30 pm LUNCH	
Sonographer Room 2		8:00 am - 9:30 am Intro to Echo: The Patient, The Views & The Procedures	9:30-10:00 Break	10:00 am - 12:30 pm Physics Made Less Scary	12:30 pm-1:30 pm LUNCH	
		8:00 am - 9:30 am Intro to Echo: The Patient, The Views & The Procedures	9:30-10:00 Break	10:00 am - 12:30 pm Physics Made Less Scary	12:30 pm-1:30 pm LUNCH	

Top 10 Things To Do in San Diego!

- **San Diego Zoo:** World famous.
- **Wild Animal Park:** Animals in large, open spaces, the next best thing to a safari.
- **La Jolla:** Charming, romantic seaside town. Go for shopping, galleries or tide pool hopping.
- **Tijuana:** The most popular border town is a short trolley ride away.



- **Harbor Cruise:** San Diego has a long-standing maritime heritage and a beautiful skyline, and you can enjoy them both from a boat.
- **Balboa Park and Museums:** America's largest urban cultural park with more than 25 museums and attractions from astronomical to horticultural.
- **Old Town:** Mexican restaurants and historic tours in the city's oldest neighborhood.

- **Coronado:** Home to the elegant Hotel Del Coronado and one of the best beaches in the country.
- **The Beach:** With seventy miles of sand and surf, there's plenty of space away from the other San Diego attractions.
- **Sea World:** Shamu and her buddies perform daily.



Registration Open 7:00 am - 4:00 pm Exhibit & Poster Hall Closed

1:00 pm 2:00 pm 3:00 pm 4:00 pm 5:35 pm

new concepts and advances in diagnosis and treatment of heart valve disease.

2:35 pm - 2:50 pm
Break

1:00 pm - 2:30 pm
Complex TGA

2:30-3:00
Break

3:00 pm - 4:30 pm
All about Valves
in Children

1:30 pm - 3:00 pm
Congenital, Systemic and
Pericardial Disease

3:00-3:30
Break

3:30 pm - 5:00 pm
Stress Echo, CAD and
MI Complications

1:30 pm - 3:00 pm
The Left Side: Systole, Stress
and Diastolic Function

3:00-3:30
Break

3:30 pm - 5:00 pm
Cardiomyopathies and
Pericardial Disease

5:00 pm - 5:30 pm
Cardiac
Masses

1:30 pm - 3:00 pm
Left Heart Chamber
Quantification

3:00-3:30
Break

3:30 pm - 5:00 pm
The Right Heart: Overlooked
but Not Forgotten

ASE Foundation Awards Gala and Research Fundraiser

Dine and dance while helping to secure the future of cardiovascular ultrasound and honoring the following awardees:

- Lifetime Achievement Award – Itzhak Kronzon, MD, FASE
- Feigenbaum Lecturer – Victor Mor-Avi, PhD, FASE
- Meritorious Service Award - Harry Rakowski, MD, FASE
- Richard Popp Excellence in Teaching Award – Vincent L. Sorrell, MD, FASE
- Cardiac Sonographer Distinguished Teacher Award – Carol C. Mitchell, PhD, RDMS, RDCS, RVT, RT(R), FASE
- Award for Excellence in Teaching in Pediatrics – Nancy A. Ayres, MD, FASE



Itzhak Kronzon, MD, FASE

This ticketed event is **SOLD OUT!**
Please join us at the 2011 Gala in Montréal.

Schedule-at-a-Glance: Sunday, June 13

7:00 am	8:30 am	8:45 am	10:00 am	11:00 am	12:00 pm	1:00 pm
<p>7:00 am - 8:30 am Ballroom 6AB</p> <h2>ASE Business Meeting/Edler Lecture & Awards Presentation</h2> <p>Business Meeting & State of ASE Report Roberto Lang, MD, FASE</p> <p>Incoming President's Address by Sanjiv Kaul, MD, FASE</p> <p>Lifetime Achievement Award: Itzhak Kronzon, MD, FASE</p> <p>Meritorious Service Award: Harry Rakowski, MD, FASE</p> <p>Richard Popp Excellence in Teaching Award: Vincent L. Sorrell, MD, FASE</p> <p>Cardiac Sonographer Distinguished Teacher Award: Carol C. Mitchell, PhD, RDMS, RDCS, RVT, RT(R), FASE</p> <p>Award for Excellence in Teaching in Pediatrics: Nancy A. Ayres, MD, FASE</p> <p>Alan D. Waggoner, MHS, RDCS Sonographer Student Scholarship Recipients:</p> <ul style="list-style-type: none"> Abraham Andresen, Santa Fe College Elizabeth Leahy, Hoffman Heart Institute School of Cardiac Ultrasound Vladimir Masati, Johns Hopkins School of Cardiac Ultrasound Karin Ozowski, El Centro College Heidi Rivisto, Mayo School of Health Sciences - Echocardiography <p>Honorary FASE Awards:</p> <ul style="list-style-type: none"> Alessandro Distante, MD, FASE, Pisa University, Pisa, Italy Shintaro Beppu, MD, FASE, Osaka Seamen's Insurance Hospital, Osaka, Japan Namsik Chung, MD, FASE, Yonsei University College of Medicine, Seoul, Republic of Korea <p>Edler Lecture: "Echocardiography: A 2020 Vision" William Zoghbi, MD, FASE</p>		<p>Congenital Room 6F 8:45 am - 10:15 am Frontiers in Fetal Cardiology <i>Joint SMFM session</i></p>		<p>11:00 am - 12:30 pm The Perinatologist-Pediatric Cardiologist Relationship <i>Joint SMFM session</i></p>	<p>12:45 pm - 2:00 pm Pediatric Echo Jeopardy</p>	
	<p>Symposia Room 6C 8:45 am - 10:15 am Operative Approaches to the Treatment of Heart Failure</p>		<p>11:00 am - 12:30 pm Operative Approaches to the Treatment of Heart Failure <i>(continued)</i></p>	<p>12:30 pm - 2:00 pm</p> <h2>Visit the Exhibit & Poster Hall featuring the New Imaging Village!</h2> <p>(Non-CME)</p> <p>Events including Lunch in the Village, Live Scanning, Small Group Demonstrations, Hands-on Computer Stations and IV Insertion Workshops will be hosted by participating exhibitors!</p> <ul style="list-style-type: none"> GE Healthcare Lantheus Medical Imaging, Inc. Philips Healthcare SIEMENS Healthcare TomTec Imaging Systems Toshiba America Medical Systems, Inc. 		
	<p>Symposia Room 6E 8:45 am - 10:15 am Echocardiography for the Diagnosis and Treatment of Systolic Heart Failure</p>		<p>11:00 am - 12:30 pm Echocardiography for the Diagnosis and Treatment of Systolic Heart Failure <i>(continued)</i></p>			
	<p>Symposia Room 6D 8:45 am - 10:15 am Clinical Applications of 3D Echo</p>		<p>11:00 am - 12:30 pm Clinical Applications of 3D Echo <i>(continued)</i></p>			
	<p>Symposia Room 5AB 8:45 am - 10:15 am The Right Ventricle: A Trip to the Other Side</p>		<p>11:00 am - 12:30 pm The Right Ventricle: A Trip to the Other Side <i>(continued)</i></p>			
	<p>Exam Prep (Ticketed) Room 1AB 8:45 am - 10:15 am Diastolic Function, Overview and Case Studies</p>		<p>11:00 am - 12:30 pm M-Mode and Spectral Doppler</p>			
	<p>Case-Based Learning Room 4 8:45 am - 10:15 am Cardiac Masses</p>		<p>11:00 am - 12:30 pm Contrast Perfusion Imaging in Decision-Making</p>			
	<p>Cardiovascular Sonographer Registry Review (Ticketed) Room 3 8:45 am - 9:45 am Mitral Valve Disease: What to Look for When Valve Doesn't Open, Close or Work Correctly 9:45 am - 10:15 am Prosthetic Valve Disease</p>		<p>11:00 am - 12:00 pm Aortic Valve Disease: What to Look for When Valve Doesn't Open, Close or Work Correctly 12:00 pm - 12:30 pm - Aortic Disease</p>			
	<p>Sonographer Room 2 8:45 am - 10:15 am Congenital Heart Disease in the Adult: Yikes!</p>		<p>11:00 am - 12:30 pm Sonographers in the Research World</p>			
	<p>Vascular Room 8 8:45 am - 10:15 am Carotid Artery Disease</p>		<p>11:00 am - 12:30 pm Emerging Duplex Technology</p>	<p>12:30 pm-1:00 pm Council on Vascular Ultrasound Business Meeting & Travel Awards</p>		

Exhibit & Poster Hall Grand Opening at 10:15 am - featuring the Imaging Village
See the *Exhibition & Abstracts Catalog* for details.

Registration Open 6:30 am - 6:30 pm
 Exhibit & Poster Hall 10:15 am - 7:00 pm

2:00 pm	3:00 pm	4:00 pm	5:45 pm
2:00 pm - 3:30 pm Adult CHD Symposium: Evaluation and Management of Pregnant Women with CHD	3:30-4:15 Break	4:15 pm - 5:45 pm Adult CHD Symposium: Echocardiography and Sudden Death	
2:00 pm - 3:30 pm Maintaining a Healthy Echo Lab	3:30-4:15 Break	4:15 pm - 5:45 pm Meet Liv Hatle, MD, FASE	
2:00 pm - 3:30 pm Clinical Approach to Diastolic Function	3:30-4:15 Break	4:15 pm - 5:45 pm ASE/EAE Guidelines on Diastolic Function	
2:00 pm - 3:30 pm Contrast Echo: What is New?	3:30-4:15 Break	4:15 pm - 5:45 pm Contrast Echo: Appropriate Uses and Clinical Perspective	
2:00 pm - 3:30 pm Current Role of Echo in CRT	3:30-4:15 Break	4:15 pm - 5:45 pm Current Role of Echo in CRT <i>(continued)</i>	
2:00 pm - 3:30 pm Echo in Cardiomyopathy	3:30-4:15 Break	4:15 pm - 5:45 pm Cases and Plenty of Them	
2:00 pm - 3:30 pm Echo Features of Uncommon Systemic Diseases	3:30-4:15 Break	4:15 pm - 5:45 pm Echocardiographic Artifacts: Truth vs. Consequences	
2:00 pm - 3:30 pm Right Side: Not Forgotten	3:30-4:15 Break	4:15 pm - 5:45 pm Congenital Heart Disease: When the Plumbing is Installed Incorrectly	
2:00 pm - 3:30 pm Living Beyond the Echo Lab	3:30-4:15 Break	4:15 pm - 5:45 pm Legendary Sonographers Over the Years	
2:00 pm - 3:30 pm Peripheral Arterial Disease	3:30-4:15 Break	4:15 pm - 5:45 pm Venous Disease	

6:00 pm - 7:00 pm
Exhibit & Poster Hall

President's Reception

Mingle & network with colleagues, industry and ASE leadership.

6:00 pm - 6:45 pm

Silent Auction

All attendees are invited to participate and purchase items. Items will be displayed throughout the day in booth #633 in the Exhibit & Poster Hall. Donated items include autographed copies of echo medical books, a painting, an iPod, a high quality wooden rocking horse, jewelry, a bottle of fine wine and a trip to Hawaii!

7:00 pm - 8:30 pm
San Diego Convention Center
West/Pavilion Terrace

ASE Council Member Networking Reception

All members of the Council on Pediatric & Congenital Heart Disease, Intraoperative Council, Vascular Council and Sonographer Council are invited to attend the Council Member Networking Reception.

This is a great opportunity to meet fellow council members and respective board members. The first 600 council registrants received one (1) complimentary drink ticket in their registration packets.



Exhibit & Poster Hall Grand Opening

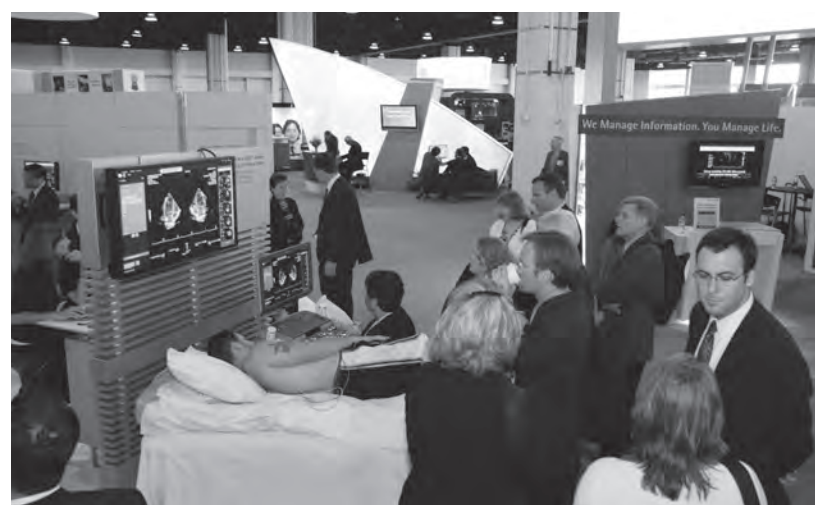
10:15 am - 7:00 pm

NEW IN 2010!


ASE's Exhibit & Poster Hall is featuring an Imaging Village (Non-CME). Throughout the Imaging Village during exhibition hours, you can grab a cup of coffee and participate in the following:

- Live Scanning
- Lunch in the Village (ticketed)
- IV Insertion Workshops
- Small Group Demonstrations
- Hands-on Computer Stations

For information on session topics, dates, times, and faculty, see the *Exhibition & Abstracts Catalog*.



Schedule-at-a-Glance: Monday, June 14

	7:00 am	8:00 am	9:00 am	10:00 am	11:00 am	
TICKETED BREAKFAST SESSIONS 7:00 am - 8:00 am Ballroom 6E How to Incorporate 3D Echo into the Lab Ballroom 1AB The New Knobology: Decoding Features of Ultrasound Systems Ballroom 4 Diastology: What the Clinician Needs to Know Ballroom 3 Echo in Interventions I: Percutaneous Valves & Occluder Devices Ballroom 9 Review of the Normal TTE and TEE Examination Ballroom 5AB Echo in Interventions II: Line Placement & Percardiocentesis	Congenital Room 6F 7:00 am-8:00 am Demystifying Adjunct Modalities: Analyzing the Dataset	8:00 am - 9:45 am Ballroom 6AB	9:45-10:30 Break	10:30 am - 12:00 pm Quantification in Pediatric Echocardiography <i>Joint EAE session</i>		
	Symposia Room 6C		9:45-10:30 Break	10:30 am - 12:00 pm Echo in Cutting-Edge Medicine		
	Symposia Room 6E		9:45-10:30 Break	10:30 am - 12:00 pm Stress Echo: Perspective on the ASE Guidelines		
	Symposia Room 6D		9:45-10:30 Break	10:30 am - 12:00 pm Adult Congenital Heart Disease		
	Symposia Room 5AB		9:45-10:30 Break	10:30 am - 12:00 pm Role of Echocardiography and Cardiovascular Imaging in Diagnosis of Atrial Fibrillation		
	Case-Based Learning Room 1AB		9:45-10:30 Break	Special Session 10:30 am - 12:00 pm Cardiovascular Sonographer Educators' Summit		
	Core Curriculum Room 4		9:45-10:30 Break	10:30 am - 12:00 pm Ventricular Function: From M-Mode to Strain Imaging		
	Sonographer Room 2	7:00 am - 8:00 am Council on Cardiac Sonography Business Meeting: Update on Pending Issues		9:45-10:30 Break	10:30 am - 12:00 pm Diastology for the Sonographer: Making it Understandable	
	Vascular Room 8	7:00 am - 8:00 am Running A Hybrid Vascular Lab		9:45-10:30 Break	10:30 am - 12:00 pm Essentials of the Vascular Lab	
	<div style="border: 2px solid black; padding: 10px;"> <p>2010 Arthur E. Weyman Young Investigator's Award Competition and Annual Feigenbaum Lecture</p> <p><i>presented by Victor Mar-Avi, PhD, FASE</i></p> <p><i>(ASE thanks the National Board of Echocardiography™ for their support of the Young Investigator's Award Competition)</i></p>  <p>The finalists for the 2009 Award Competition pose with Arthur E. Weyman, MD, FASE. (Finalists from left to right: Mackram F. Eleid, MD; Carly F. Jenkins, MSc; Arthur E. Weyman, MD, FASE; Chad L. Carr, MD; and Jacob P. Dal-Bianco, MD)</p> </div>					

Registration Open 6:30 am - 5:30 pm
 Exhibit & Poster Hall 9:15 am - 4:45 pm

12:00 pm | 1:00 pm | 2:00 pm | 3:00 pm | 4:00 pm | 5:00 pm | 6:00 pm | 7:30 pm

12:15 pm - 1:00 pm
Council on Pediatric and CHD Business Meeting & Awards Presentation

1:00-1:30
 Break

1:30 pm - 3:00 pm
Two Ventricles vs. One Ventricle: Is Two Better than One?

3:00 pm-4:00 pm
Fireside Chat

4:00-4:15
 Break

4:15 pm - 5:45 pm
Pediatric Oral Abstracts

5:30 pm - 7:30 pm
 Ballroom 6AB

Who Wants to be an Echo Millionaire?

Legends vs. Legends in the Making

This year's game show will feature more science and cases in a faster-paced format than ever before. The Legends: Jae Oh, MD, FASE; Mani Vannan, MBBS; and Peg Knoll, RDCS FASE compete with the Legends in the Making: Malissa Wood, MD, FASE; Jonathan Lindner, MD, FASE; and Monet Strachan, RDCS, FASE for the million dollar check!



In a contested upset, the audience named "The Legends in the Making" as the 2009 "Who Wants to be an Echo Millionaire" winners!

12:00 pm - 1:30 pm

1:30 pm - 3:00 pm
Prosthetic Valves: Form, Function and Failure

3:00-3:45
 Break

3:45 pm - 5:15 pm
Speckle Tracking Imaging: Utility and Value
Joint JSE session

1:30 pm - 3:00 pm
Multimodality Imaging in Pericardial Disease: Role in Decision-Making

3:00-3:45
 Break

3:45 pm - 5:15 pm
Clinical Challenges of Prosthetic Valves

1:30 pm - 3:00 pm
Adult Congenital Heart Disease
(continued)

3:00-3:45
 Break

3:45 pm - 5:15 pm
Valve Stenosis: ASE/EAE Guidelines

1:30 pm - 3:00 pm
Role of Echocardiography and Cardiovascular Imaging in Treatment of Atrial Fibrillation

3:00-3:45
 Break

3:45 pm - 5:15 pm
Multimodality Imaging in Ischemic Heart Disease

1:30 pm - 3:00 pm
Cardiomyopathies

3:00-3:45
 Break

3:45 pm - 5:15 pm
The Repaired Congenital Patient for the Non-Expert: What Problems Should I Anticipate?

1:30 pm - 3:00 pm
Diastolic Function: Pathophysiology, Assessment and New Technology

3:00-3:45
 Break

3:45 pm - 5:15 pm
Pericardial Disease: Theory and Case Studies in Cardiac Tamponade and Constrictive Pericarditis

1:30 pm - 3:00 pm
Pericardial Disease

3:00-3:45
 Break

3:45 pm - 5:15 pm
Utilization of Contrast: What is Important for the Sonographer

1:30 pm - 3:00 pm
Risk Stratification Testing

3:00-3:45
 Break

3:45 pm - 5:15 pm
Aortic, Renal & Mesenteric Arterial Disease

1:30 pm - 3:00 pm; 3:45 pm - 5:15 pm
 Ballroom 9
Echocardiography: A Nursing Focus

1:30 pm - 3:00 pm
 Ballroom 3
Local Society Echo Challenge: Three of a Kind: An Echo Game

3:45 pm - 5:15 pm
 Ballroom 3
Local Society Networking Event

9:45 pm - 11:30 pm
 San Diego Wine and Culinary Center

ASE MEMBERS ONLY EVENT

Join ASE members at the San Diego Wine and Culinary Center located across the street from the San Diego Convention Center.

Visit the Exhibit & Poster Hall featuring the New Imaging Village!





(Non-CME)

Events including Lunch in the Village, Live Scanning, Small Group Demonstrations, Hands-on Computer Workshops and IV Insertion Workshops will be hosted by participating exhibitors!

- GE Healthcare
- Lantheus Medical Imaging, Inc.
- Philips Healthcare
- SIEMENS Healthcare
- TomTec Imaging Systems
- Toshiba America Medical Systems, Inc.

Schedule-at-a-Glance: Tuesday, June 15

Registration Open 6:30 am - 3:30 pm Exhibit & Poster Hall 9:30 am - 2:30 pm

	7:00 am	8:00 am	9:00 am	10:00 am	11:00 am	12:15 pm	1:00 pm	2:00 pm	3:00 pm
Congenital Room 6F		8:00 am - 9:30 am Controversies in Pediatric Echocardiography	9:30-10:00 Break	10:00 am - 11:15 am Pediatric Echocardiography Case Presentations	11:00 am - 12:00 pm Ballroom 6AB	12:15 pm - 1:30 pm Academic Pediatric Echo		1:30 pm - 3:00 pm Frontiers in Pediatric Echocardiography	
	7:00 am - 8:30 am Ballroom 4 Accreditation... Something Old, Something New, Something Borrowed and Something Blue			10:00 am - 11:00 am Ballroom 6AB	ASE 2010 Scientific Sessions Wrap-Up	Exhibit & Poster Hall opens at 9:30 am and closes at 2:30 pm. 	HOW TO SESSIONS 1:30 pm - 3:00 pm		
7:00 am - 8:00 am Ballroom 8 How Do I Get Published? An Insider's Look at JASE	8:00 am - 9:30 am Ballroom 6AB The Great Debate  Sanjiv Kaul, MD, FASE at the ASE 2009 Scientific Sessions Debate!			Legends Stumping Other Legends  Liv Hatle, MD, FASE			Ballroom 4 Evaluate Ventricular Assist Devices	Ballroom 8 Assessment of Dysynchrony and Device Optimization	Ballroom 1AB How to Manage an Echo Lab in a Changing Environment
7:00 am - 8:00 am Ballroom 2 Sonographer Special Session: Professional Growth & Development						LAST CHANCE to visit the Imaging Village from 9:30 am - 10:00 am in the Exhibit & Poster Hall. 	Ballroom 2 Improve Teaching in Your Echo Lab		
7:00 am - 9:00 am Ballroom 1AB ASE/ACC Advocacy Collaboration: "Evolving Models of Cardiovascular Practice"								1:00 pm - 2:30 pm Ballroom 9 Molecular Imaging and Mice: Future Directions	

SAVE THE DATE

American Society of Echocardiography
22nd Annual Scientific Sessions

June 11-14, 2011 • Montréal, Quebec, Canada



Saturday Highlights

Highlighted Symposium

Heart Valve Innovations and Clinical Applications

8:00 am - 5:35 pm
Ballroom 6AB

Highlighting guidelines, new concepts and advances in diagnosis and treatment of heart valve disease.



Guest faculty include: Robert O. Bonow, MD; Blase Carabello, MD; A. Marc Gillinov, MD; Patrick M. McCarthy, MD; Aidan Raney, MD; and Pravin M. Shah, MD.

Exam Prep

8:00 am - 9:30 am; 10:00 am - 11:30 am; 1:30 pm - 3:00 pm; and 3:30 pm - 5:00 pm

Ballroom 1AB

The first day of a two-day track specifically designed for physicians preparing to sit for the NBE's ASCeXAM and/or ReASCE. This is a ticketed track and tickets are available for purchase at the ASE Registration Counter based on availability. An audience response system will be used to facilitate interactive learning.

Cardiovascular Sonographer Registry Review

8:00 am - 9:30 am; 10:00 am - 12:30 pm; 1:30 pm - 3:00 pm; and 3:30 pm - 5:00 pm; 5:00 pm - 5:30 pm

Ballroom 3

The first day of a two-day track of a comprehensive review presenting adult echocardiographic and physics related topics for the sonographer preparing to take the registry exams. This is a ticketed track and tickets are available for purchase at the ASE Registration Counter; based on availability. A syllabus will be provided to all pre-registered individuals; on-site registration supplies are not guaranteed.

Council on Intraoperative Ultrasound Business Meeting and Travel Award

10:05 am - 10:25 am in Ballroom 6AB

(Non-CME)

All conference attendees with an interest in intraoperative ultrasound are invited to attend the Council Business Meeting, which will provide an overview of council activities and opportunities for getting involved. In addition, the 2010 travel award winners will be recognized during this time.



ASE Foundation Awards Gala and Research Fundraiser

(Ticketed event; SOLD OUT)
7:00 pm - 10:30 pm at the El Cortez

The ASE Foundation Awards Gala will be held at a San Diego landmark, the famous El Cortez. This sold-out event supports the future of cardiovascular ultrasound by supporting the ASE Foundation. Winners of the following 2010 ASE Awards will be recognized at the Gala:

Lifetime Achievement Award
Itzhak Kronzon, MD, FASE

Feigenbaum Lecturer
Victor Mor-Avi, PhD, FASE

Meritorious Service Award
Harry Rakowski, MD, FASE

Richard Popp Excellence in Teaching Award
Vincent L. Sorrell, MD, FASE

Cardiac Sonographer Distinguished Teacher Award
Carol C. Mitchell, PhD, RDMS, RDCS, RVT, RT(R), FASE

Award for Excellence in Teaching in Pediatrics
Nancy A. Ayres, MD, FASE

The ASE Foundation would like to extend our thanks to the following for their generous contributions to the ASE Foundation Awards Gala and Research Fundraiser:

Premier Tables

GE Healthcare
Linda D. Gillam, MD, FASE

Leadership Table

Columbia University

Saturday Committee Meetings

Committee meetings will be held at the San Diego Marriott Hotel and Marina (Marriott) or on the mezzanine level of the San Diego Convention Center (CC).

7:30 am - 9:00 am.....	ASE Leadership Training	Marriott/Oceanside (Invitation only; committee chairs and new committee members.)
8:00 am - 10:00 am.....	JASE Editorial Review Board Meeting	Marriott/Marina D
10:00 am - 12:00 pm	Publications Committee Meeting	Marriott/Encinitas
10:00 am - 12:00 pm	Council on Cardiac Sonography Board Meeting	Marriott/Pacific
11:30 am - 1:00 pm	Guidelines and Standards Committee Meeting	Marriott/Cardiff
12:30 pm - 1:30 pm	Nominating Committee Meeting	Marriott/Pacific
12:30 pm - 2:00 pm	Public Relations Committee Meeting	Marriott/Oceanside
1:00 pm - 2:30 pm	Membership Steering Meeting	Marriott/Del Mar
1:00 pm - 2:00 pm	International Relations Taskforce	CC/13
3:00 pm - 5:00 pm	Educational Products Taskforce Meeting	Marriott/Del Mar
3:00 pm - 5:00 pm	Council on Vascular Ultrasound Board Meeting	Marriott/Oceanside
4:00 pm - 5:00 pm	History Committee Meeting	Marriott/Pacific

Saturday, June 12, 2010

Registration Open7:00 am - 4:00 pm
Ground level of the San Diego Convention Center
outside Exhibit Hall B1

Exhibit & Poster HallCLOSED

8:00 am - 5:35 pm: Heart Valve Innovations and Clinical Applications

PLENARY

Ballroom 6AB

8:00 am: Introduction
K. Glas

Aortic Valve
Chair: K. Glas

8:05 am: Anatomy
Panelist(s): D. Shook; J. Walker; A. Raney

8:20 am: 2D Imaging of the Aortic Valve
P. Shah

8:30 am: 3D Imaging of the Aortic Valve
S. Shernan

Aortic Stenosis/Regurgitation
Chair: K. Glas

8:40 am: When to Operate on Asymptomatic AS and AR
P. Shah

8:55 am: Percutaneous Aortic Valves – Where are We in 2010?
L. Gillam

9:10 am: Controversial Issues in Patients with Bicuspid Aortic Valves and Aortic Root Disease
R. Bonow

9:25 am: Case Presentation: A Patient with Symptomatic, Severe AS
C. Troianos

9:35 am: Case Presentation: This Patient Should Undergo Surgical AVR
J. Walker

9:45 am: Case Presentation: This Patient Should Undergo Percutaneous AVR
W. Stewart

9:55 am: Panel Discussion
P. Shah; L. Gillam; R. Bonow; C. Troianos; J. Walker; W. Stewart

10:05 am - 10:25 am: Break

The Aorta: Beyond the AV
Chair: M. Swaminathan

10:25 am: Comprehensive TEE Assessment of the Aorta
M. Swaminathan

10:40 am: Observations from the International Registry of Acute Aortic Dissection (IRAD)
A. Evangelista

10:55 am: Epiaortic Imaging for the Assessment of Atherosclerosis
K. Glas

Prosthetic Valves

Chair: K. Glas

11:10 am: Anatomy
D. Mehlman

11:30 am: What do the ASE Prosthetic Valve Guidelines Teach Us?
W. Zoghbi

11:45 am: Prosthetic Valve Endocarditis
J. Thomas

12:00 pm: Selection of the Correct Valve Prosthesis in the Patient with Endocarditis
A. Raney

12:15 pm - 1:15 pm: Lunch

Mitral Valve – General Overview

Chair: V. Rigolin

1:15 pm: Anatomy
Panelist(s): D. Shook; J. Walker; A. Raney

1:35 pm: 2D Echo Imaging of the Mitral Valve
P. Shah

1:45 pm: 3D Echo Imaging of the Mitral Valve
D. Shook

1:55 pm: Epicardial Imaging of the Mitral Valve
S. Reeves

2:05 pm: Global LV Adaptation to Mitral Regurgitation
B. Carabello

2:20 pm: AHA Valve Guidelines: What do They Tell Us about Mitral Regurgitation?
R. Bonow

2:35 pm - 2:50 pm: Break

Myxomatous Disease/Ischemic Disease

Chair: V. Rigolin

2:50 pm: IV Remodeling in Ischemic Mitral Regurgitation
J. Hung

3:05 pm: Medical versus Surgical Treatment Strategies in Ischemic Mitral Regurgitation
B. Carabello

3:20 pm: Percutaneous Mitral Valve Repair – Are We There Yet?
L. Gillam

3:35 pm: RESECT versus RESPECT: State of the Art of Mitral Valve Surgery for Myxomatous Disease
P. McCarthy

3:50 pm: Case Presentation 1: Myxomatous Disease (Echo/Surgical Video)
Panelist(s): V. Rigolin; P. McCarthy; S. Reeves; D. Adams; P. Shah; R. Bonow; L. Gillam; A. Gillinov

4:10 pm: Surgical Approaches to Ischemic Mitral Regurgitation
A. Gillinov

4:25 pm: Case Presentation 2: Ischemic Disease
Panelist(s): A. Gillinov; J. Hung; S. Shernan; P. Knoll; B. Carabello; A. Berrebi; P. McCarthy

Tricuspid Valve/Pulmonic Valve

Chair: V. Rigolin

4:45 pm: Surgical Echo of the TV
A. Berrebi

5:00 pm: When to Repair the TV in Patients with and without Mitral Valve Disease
A. Gillinov

5:15 pm: Case Presentation: MV/TV Chat
Panelist(s): D. Rubenson; A. Gillinov; P. McCarthy; N. Skubas; M. McCulloch; A. Berrebi; B. Carabello; P. Shah; R. Bonow

Saturday, June 12, 2010

8:00 am - 9:30 am: Complete Atrioventricular Canal (AVSD)

CONGENITAL

Ballroom 6F

Co-Chair(s): C. Altman; H. Ko

- 8:00 am: Pathology**
R. Van Praagh; B. Printz
- 8:20 am: Echocardiography**
J. Nielsen
- 8:40 am: Surgical Perspective**
V. Morrell
- 9:00 am: Long-Term Follow-Up: Assessing and Managing AV Valve Problems**
J. Kovalchin
- 9:20 am: Discussion**
R. Van Praagh; B. Printz; J. Nielsen; V. Morrell; J. Kovalchin

8:00 am - 9:30 am: Physics, Artifacts and Imaging Basics

EXAM PREP (TICKETED)

Ballroom 1AB

Chair: S. Wiegers

- 8:00 am: Imaging, Including Visualizing Cardiac Structures on TTE and TEE**
S. Wiegers
- 8:25 am: Exam Prep Questions in Physics**
TBD
- 8:50 am: Artifacts Commonly Encountered in Echocardiography**
W. Armstrong
- 9:15 am: Discussion**
S. Wiegers; TBD; W. Armstrong

8:00 am - 9:30 am: Intro to Echocardiography: The Patient, The Views and The Procedures

CARDIOVASCULAR SONOGRAPHER REGISTRY REVIEW (TICKETED)

Ballroom 3

Speaker: M. Orsinelli

10:05 am - 10:25 am: Council on Intraoperative Ultrasound Business Meeting and Travel Awards

COUNCIL MEETING (NON-CME)

Ballroom 6AB

Chair: K. Glas

10:00 am - 11:30 am: Hypoplastic Left Heart Syndrome

CONGENITAL

Ballroom 6F

Co-Chair(s): G. Marx; S. Srivastava

- 10:00 am: Pathology**
R. Van Praagh; B. Printz
- 10:20 am: Echocardiography**
B. Soriano
- 10:40 am: Surgical Perspective**
V. Morrell
- 11:00 am: Long-Term Follow-Up: Assessing and Managing the Failing Fontan**
M. Gewillig
- 11:20 am: Discussion**
R. Van Praagh; B. Printz; B. Soriano; V. Morrell; M. Gewillig

10:00 am - 11:30 am: Valvular Disease

EXAM PREP (TICKETED)

Ballroom 1AB

Chair: I. Kronzon

- 10:00 am: Aortic Valve Disease**
I. Kronzon
- 10:25 am: Tricuspid and Pulmonary Valve Disease**
J. DeCara
- 10:50 am: Mitral Valve Disease**
P. Rahko
- 11:15 am: Discussion**
I. Kronzon; J. DeCara; P. Rahko

10:00 am - 12:30 pm: Physics Made Less Scary

CARDIOVASCULAR SONOGRAPHER REGISTRY REVIEW (TICKETED)

Ballroom 3

Speaker: D. Atherton

1:00 pm - 2:30 pm: Complex TGA

CONGENITAL

Ballroom 6F

Co-Chair(s): T. Tacy; A. Younoszai

- 1:00 pm: Pathology**
R. Van Praagh; B. Printz
- 1:20 pm: Echocardiography**
T. Tacy
- 1:40 pm: Surgical Perspective**
V. Morrell
- 2:00 pm: Long-Term Follow-Up: Potential Sequelae and Complications**
G. Marx
- 2:20 pm: Discussion**
R. Van Praagh; B. Printz; T. Tacy; V. Morrell; G. Marx

Saturday, June 12, 2010

1:30 pm - 3:00 pm: Congenital, Systemic and Pericardial Disease

EXAM PREP (TICKETED)

Ballroom 1AB

Chair: M. Quiñones

- 1:30 pm:** Congenital Heart Disease
M. Pettersen
- 1:55 pm:** Echo in Systemic Disease
P. Pellikka
- 2:20 pm:** Pericardial Disease
M. Quiñones
- 2:45 pm:** Discussion
M. Pettersen; P. Pellikka; M. Quiñones

1:30 pm - 3:00 pm: The Left Side: Systole, Stress and Diastolic Function

CARDIOVASCULAR SONOGRAPHER REGISTRY REVIEW (TICKETED)

Ballroom 3

Speaker: M. Bierig

1:30 pm - 3:00 pm: Left Heart Chamber Quantification

SONOGRAPHER

Ballroom 2

Chair: P. Coon; Co-Chair: M. McNeal

- 1:30 pm:** Chamber Quantification: LV Structure and Function
E. Shea
- 1:48 pm:** LA Quantification: How to Evaluate
M. Orsinelli
- 2:06 pm:** LV 2D versus 3D: Is 3D Worth the Extra Work?
P. Coon
- 2:24 pm:** LV Hypertrophy: Hypertension HOCM or ASH
B. Smulevitz
- 2:42 pm:** Optimal Stress Echoes: What is Important?
B. Fey

3:00 pm - 4:30 pm: All About Valves in Children CONGENITAL

Ballroom 6F

Co-Chair(s): T. Gentles; T. Tacy

- 3:00 pm:** Assessment of Rheumatic Valve Disease: Is It or Isn't It?
T. Gentles
- 3:20 pm:** Assessment of the Prosthetic Valve: Is It Real Stenosis and/or Regurgitation?
H. Ko
- 3:40 pm:** Can We Really Quantify AV Valve Regurgitation in Children?
M. Friedberg
- 4:00 pm:** Assessment of the TV in Ebstein Anomaly: Does It Need to Be/Can It Be Fixed?
B. Eidem
- 4:20 pm:** Discussion
T. Gentles; H. Ko; M. Friedberg; B. Eidem

3:30 pm - 5:00 pm: Stress Echo, CAD and MI Complications

EXAM PREP (TICKETED)

Ballroom 1AB

Chair: H. Dokainish

- 3:30 pm:** Stress Echocardiography
S. Sawada
- 3:55 pm:** Echocardiography in Ischemic HD and MI
H. Dokainish
- 4:20 pm:** Mechanical Complications of MI
M. Makan
- 4:45 pm:** Discussion
S. Sawada; H. Dokainish; M. Makan

3:30 pm - 5:00 pm: Cardiomyopathies and Pericardial Disease

CARDIOVASCULAR SONOGRAPHER REGISTRY REVIEW (TICKETED)

Ballroom 3

Speaker: M. Adams

3:30 pm - 5:00 pm: The Right Heart: Overlooked but Not Forgotten

SONOGRAPHER

Ballroom 2

Chair: S. Shah; Co-Chair: K. Horton

- 3:30 pm:** RV Function and Outcomes
S. Shah
- 3:48 pm:** RV Size and Systolic Function
K. Horton
- 4:06 pm:** Echo Evaluation of Pulmonary Pressures
M. Park
- 4:24 pm:** The RV Myocardial Assessment
J. Hill
- 4:42 pm:** 3D of the Right Ventricle
R. Meece

5:00 pm - 5:30 pm: Cardiac Masses

CARDIOVASCULAR SONOGRAPHER REGISTRY REVIEW (TICKETED)

Ballroom 3

Speaker: M. Adams



GE Healthcare

congratulates



Itzhak Kronzon, MD, FASE

on being named the

2010 ASE Lifetime Achievement Award Winner!

GE marks more than a decade of fruitful collaboration with Professor Itzhak Kronzon. The collaboration started back in 1997 when Dr. Kronzon, head of non-invasive cardiology at New York University Hospital was selected by Vingmed Sound to be one of the five leading USA cardiology departments for bringing premium quantitative echocardiography into the daily routine. GE acknowledges Dr. Kronzon's contribution to the joint effort to transform echocardiography from an art to a scientific practical tool.



imagination at work

ASE: Working for You and Your Profession

ASE is an organization of thousands of professionals committed to excellence in cardiovascular ultrasound and its application to patient care through education, advocacy, research, innovation and service to its members and the public. We are the heart and circulation ultrasound specialists dedicated to improving our patients' health and quality of life.

ASE has multiple full-benefit member categories for physicians, sonographers and discounted early career categories for CV ultrasound professionals and students. With dues this affordable and benefits so essential, you can't afford to NOT be a member!



Education

- Over \$400 of FREE CMEs PER YEAR
- Discounts to multiple educational courses
- Discounts to ASE's Annual Scientific Sessions
- Free CMEs and CEUs – online and in JASE
- Online CME and CEU tracking
- Significant discounts on educational posters, DVDs and guideline products
- Fellow slide set – *The Basics of Echocardiography*
- Image library with hundreds of cardiovascular ultrasound images

Resources

- Monthly scientific journal – JASE
- Bi-monthly electronic newsletter
- Free ASE Guidelines CD
- Patient-centered information for cardiovascular ultrasound
- Member gifts, bonuses and special offers
- The opportunity to become FASE and increase your professional visibility while promoting your field
- Multiple members-only networking opportunities
- Resume posting and expanded job searching
- Special interest councils
- Free access to ASE's Sonographer Salary Survey

Advocacy

- On-site consultations with coding expert at the Scientific Sessions
- Online coding and reimbursement advice
- Up-to-date news on current legislative and advocacy issues
- Online legislative action center
- Your link to Capitol Hill and private payers

**Join ASE's
vibrant community
of ultrasound
professionals today at
www.asecho.org**



ASE American Society of
Echocardiography
Heart & Circulation Ultrasound Specialists

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Morrisville, NC 27560
Phone: (919) 861-5574 • Fax: (919) 882-9900
E-mail: ase@asecho.org

Sunday Exhibit Highlights

EXHIBIT & POSTER HALL GRAND OPENING!

Exhibit Highlights:

ASE Members Only Coding and Reimbursement Sessions

Visit ASE booth #501 to sign up for individualized question and answer sessions with Judy Rosenbloom, RDCS, FASE, ASE's coding and reimbursement specialist.

15-minute appointments are available during the following times: 10:30 am; 10:45 am; 11:00 am; 11:15 am; 11:30 am; 11:45 am; 12:00 pm; and 12:15 pm.

President's Reception

6:00 pm - 7:00 pm
Exhibit & Poster Hall
(Hors d'oeuvres and refreshments will be served.)

Don't miss your chance to bid on items during the ASE Foundation Silent Auction. Items will be open for bidding until 6:40 pm at the President's Reception. All proceeds benefit the ASE Foundation's research grants program.

Silent Auction

6:00 pm - 6:40 pm
Exhibit & Poster Hall in booth #633

Support the ASE Foundation research grants program! All attendees are invited to participate and purchase items. Items will be displayed throughout the day in booth #633 in the Exhibit & Poster Hall. The bidding will continue all day until 6:40 pm at the President's Reception. Donated items include autographed copies of echo medical books, a painting, an iPod, a high quality wooden rocking horse, a bottle of fine wine, jewelry and a trip to Hawaii! Donations over the value of the items will be charitable donations to the ASE Foundation.

Council Member Networking Reception

7:00 pm - 8:30 pm
West/Pavillion Terrace immediately following the President's Reception

All members of the Council on Pediatric and Congenital Heart Disease, Council on Intraoperative Ultrasound, Council on Vascular Ultrasound and Council on Cardiac Sonography are invited to attend. Meet fellow council members and respective board members, while enjoying refreshments on an outdoor patio overlooking the marina. Don't miss this opportunity to meet other ASE members who share your interests. If you were one of the first 600 pre-registered council members, don't forget your drink ticket, which was included in your registration packet.

Moderated Abstracts Session 1

Clinical Applications of Myocardial Imaging: Implications for Diagnosis and Treatment

12:45 pm - 1:30 pm
Expo Theatre 1

Left and Right Ventricular Function

12:45 pm - 1:30 pm
Expo Theatre 2

New in 2010! Imaging Village

The following sessions are non-CME. Please see the *Exhibition & Abstracts Catalog* for detailed information (including topics and faculty) on sessions taking place in the Imaging Village. All Lunch in the Village sessions are ticketed events. If seats are available, tickets may be purchased at the ASE Registration Counter.

- | | |
|---------------------|--|
| 10:15 am - 11:00 am | IV Insertion Workshop –
Lantheus Medical Imaging |
| 12:30 pm - 2:00 pm | Lunch in the Village (ticketed) –
GE Healthcare:
“New! From Pocket-sized Ultrasound
to the Latest Advancements in 4D
Echocardiography” |
| 12:30 pm - 2:00 pm | Lunch in the Village (ticketed) –
Philips Ultrasound:
“New Advances in 3D Echocardiography” |
| 12:30 pm - 2:00 pm | Live Scanning –
Toshiba America Medical Systems:
“3D Acquisition and Manipulation” |
| 12:30 pm - 2:00 pm | IV Insertion Workshop –
Lantheus Medical Imaging |
| 12:30 pm - 2:00 pm | Small Group Demonstration –
SIEMENS Healthcare:
“Workflow Acceleration in Full Volume
Imaging” |
| 12:30 pm - 2:00 pm | Small Group Demonstration –
Lantheus Medical Imaging:
“Can You Answer the Clinical
Questions?” |
| 12:45 pm - 1:15 pm | Hands-on Computer Station
(Demonstration Only) –
Lantheus Medical Imaging:
“Read with the Experts: DEFINITY® Case
Reviews” |
| 1:30 pm - 2:00 pm | Hands-on Computer Station
(Demonstration Only) –
Lantheus Medical Imaging:
“Read with the Experts: DEFINITY® Case
Reviews” |
| 3:30 pm - 4:15 pm | Live Scanning –
Philips Ultrasound:
“Meet the Experts in 3D Imaging:
Tips for Excellence” |
| 3:30 pm - 4:15 pm | IV Insertion Workshop –
Lantheus Medical Imaging |
| 3:30 pm - 4:15 pm | Hands-on Computer Station –
GE Healthcare:
“New and Automated 4D Cropping,
Rendering and Measuring - Watch One/
Do One” |
| 3:30 pm - 4:15 pm | Small Group Demonstration –
Toshiba America Medical Systems:
“2D/3D Wall Motion Tracking Analysis” |

Sunday Program Highlights

Operative Approaches to the Treatment of Heart Failure

Highlighting new interventional and surgical devices for valve disease and heart failure.

8:45 am - 10:15 am; 11:00 am - 12:30 pm

Ballroom 6C

Meet Liv Hatle, MD, FASE

4:15 pm - 5:45 pm

Ballroom 6C

One of the most innovative echocardiographers of the 20th century, Liv Hatle, MD, FASE took an emerging technology and by combining it with Doppler ultrasound, made it one of today's most powerful diagnostic tools for interpreting cardiac physiology and cardiac disease states in both children and adults. Dr. Hatle will be presented with the ASE 2008 Honorary FASE Award. A. Jamil Tajik, MD, the first Lifetime Achievement Award winner, will present "A Roadmap of Doppler Discoveries," an interview with Dr. Hatle. Come learn from one of the greatest, while celebrating her legacy.

Council on Vascular Ultrasound Business Meeting and Travel Awards

12:30 pm - 1:00 pm

Ballroom 8

(Non-CME)

All conference attendees with an interest in vascular ultrasound are invited to attend the Council Business Meeting, which will provide an overview of council activities and opportunities for getting involved. In addition, the 2010 travel award winners will be recognized during this time.

ASE Business Meeting/Edler Lecture & Awards Presentation

7:00 am - 8:30 am in Ballroom 6AB

Learn what's new with ASE and hear the Incoming President's Address

Business Meeting & State of ASE Report
Roberto Lang, MD, FASE

Incoming President's Address by
Sanjiv Kaul, MD, FASE

ASE 2010 Awards:

Lifetime Achievement Award:
Itzhak Kronzon, MD, FASE

Meritorious Service Award:
Harry Rakowski, MD, FASE

Richard Popp Excellence in Teaching Award:
Vincent L. Sorrell, MD, FASE

Cardiac Sonographer Distinguished Teacher Award:
Carol C. Mitchell, PhD, RDMS, RDCS, RVT, RT(R), FASE

Award for Excellence in Teaching in Pediatrics:
Nancy A. Ayres, MD, FASE

Alan D. Waggoner, MHS, RDCS Sonographer Student
Scholarship Recipients:

- **Abraham Andresen**, Santa Fe College
- **Elizabeth Leahy**, Hoffman Heart Institute School of Cardiac Ultrasound
- **Vladimir Masati**, Johns Hopkins School of Cardiac Ultrasound
- **Karin Ozowski**, El Centro College
- **Heidi Rivisto**, Mayo School of Health Sciences - Echocardiography

Honorary FASE Awards:

- **Alessandro Distanto, MD, FASE**, Pisa University, Pisa, Italy
- **Shintaro Beppu, MD, FASE**, Osaka Seamen's Insurance Hospital, Osaka, Japan
- **Namsik Chung, MD, FASE**, Yonsei University College of Medicine, Seoul, Republic of Korea

Edler Lecture: "Echocardiography: A 2020 Vision"
William A. Zoghbi, MD, FASE

Sunday Committee Meetings

Committee meetings will be held at the San Diego Marriott Hotel and Marina (Marriott) or on the mezzanine level of the San Diego Convention Center (CC).

8:30 am - 10:00 am	FASE Committee Meeting	CC/15B
10:00 am - 12:00 pm	ACCME Committee Meeting	CC/14A
12:30 pm - 2:30 pm	Extra-Mural Research Committee Meeting	CC/15B
1:00 pm - 3:00 pm	Council on Intraoperative Ultrasound Board Meeting	CC/14B
2:00 pm - 3:30 pm	Foundation Campaign II Taskforce Meeting	CC/14A
3:30 pm - 5:30 pm	Research Committee Meeting	CC/15B
4:00 pm - 6:00 pm	Advocacy Committee Meeting	CC/14B

Sunday, June 13, 2010

Registration Open6:30 am - 6:30 pm
Ground level of the San Diego Convention Center
outside Exhibit Hall B1

Exhibit & Poster Hall.....10:15 am - 7:00 pm
Ground level of the San Diego Convention Center
in Exhibit Hall B1

7:00 am - 8:30 am: ASE Business Meeting/Edler Lecture & Awards Presentation

PLENARY

Ballroom 6AB

Chair: R. Lang

Moderator(s): S. Kaul; V. Rigolin; N. Weissman

- 7:00 am:** Welcome and Scientific Sessions Highlights
V. Rigolin
- 7:05 am:** Announcement of the ASE Annual Membership
Business Meeting; Call to Order and Review of June
2009 Minutes
R. Lang; P. Knoll
- 7:08 am:** Treasurer's Report
N. Weissman
- 7:13 am:** Executive Committee and Board of Directors
Announcements
R. Lang
- 7:20 am:** State of ASE Report
R. Lang
- 7:25 am:** Incoming President's Address
S. Kaul
- 7:35 am:** ASE 2010 Awards
R. Lang
- Richard Popp Excellence in Teaching Award
 - Cardiac Sonographer Distinguished Teacher Award
 - Award for Excellence in Teaching in Pediatrics
 - Lifetime Achievement Award
 - Meritorious Service Award
- 7:56 am:** Alan D. Waggoner, MHS, RDCS Sonographer
Student Scholarships
R. Lang
- 8:00 am:** 2010 Honorary FASE Awards
R. Lang
- 8:10 am:** Edler Lecture: Echocardiography: A 2020 Vision
W. Zoghbi

8:45 am - 9:45 am: Mitral Valve Disease: What to Look for When the Valve Doesn't Open, Close or Work Correctly

CARDIOVASCULAR SONOGRAPHER REGISTRY REVIEW (TICKETED)

Ballroom 3

Speaker: M. Bierig

8:45 am - 10:15 am: Frontiers in Fetal Cardiology (Joint SMFM session)

CONGENITAL

Ballroom 6F

Co-Chair(s): M. Tarsa; M. Lewin

- 8:45 am:** Fetal 3D Echocardiography
G. DeVore
- 9:05 am:** 1st Trimester Imaging
L. Hornberger
- 9:25 am:** Fetal Cardiac Intervention: Beyond Fetal AS
J. Rychik
- 9:45 am:** Fetal Therapeutic Ultrasound Update
C. Gomez-Fijer
- 10:05 am:** Discussion
G. DeVore; L. Hornberger; C. Gomez-Fijer; J. Rychik

8:45 am - 10:15 am: Diastolic Function, Overview and Case Studies

EXAM PREP (TICKETED)

Ballroom 1AB

Chair: G. Aurigemma

- 8:45 am:** Overview of Assessment of Diastolic Function
S. Lester
- 9:10 am:** Straightforward Cases - Where the Data Agree
A. Auseon
- 9:35 am:** Challenging Cases in Diastolic Function
G. Aurigemma
- 10:00 am:** Discussion
S. Lester; A. Auseon; G. Aurigemma

8:45 am - 10:15 am: Cardiac Masses

CASE-BASED LEARNING

Ballroom 4

Co-Chair(s): J. DeCara; J. Lowenstein

- 8:45 am:** Myxoma
I. Nixon
- 9:00 am:** Fibroelastoma
L. Yin
- 9:15 am:** Cardiac Metastases
J. Plana
- 9:30 am:** Intracardiac Thrombi
J. Mohan
- 9:45 am:** Primary Malignancies of Heart
J. Lowenstein
- 10:00 am:** Mimickers of Masses
D. Wagner

Sunday, June 13, 2010

8:45 am - 10:15 am: Congenital Heart Disease in the Adult: Yikes!

SONOGRAPHER

Ballroom 2

Chair: R. DeFreitas; Co-Chair: S. Witt

- 8:45 am: **The Most Common Simple Defects: ASD, VSD, PDA and Bicuspid AV**
K. Kendall
- 9:03 am: **Surprise! A Patient with Complex CHD Appears in Your Echocardiography Lab: A Systematic Approach**
L. Brown
- 9:21 am: **Assessing Adults Who Have Known Congenital Heart Repairs**
E. Crawford
- 9:39 am: **Stress Echocardiography in Congenital Heart Patients**
R. DeFreitas
- 9:57 am: **Conduits, Baffles and Echo - Oh My!**
K. Berdusis

8:45 am - 10:15 am: Carotid Artery Disease

VASCULAR

Ballroom 8

Chair: J. McCartney

- 8:45 am: **Carotid Duplex Imaging: Technique and Interpretation**
J. McCartney
- 9:07 am: **Transcranial Doppler: Basics and Integration of Carotid Duplex Imaging**
N. Sanossian
- 9:30 am: **Sonothrombolysis: Ultrasound to Help Treat Clots?**
Z. Garami
- 9:53 am: **Use of Carotid Duplex Imaging in Contemporary Management**
M. Gerhard-Herman

8:45 am - 12:30 pm: Operative Approaches to the Treatment of Heart Failure

SYMPOSIUM

Ballroom 6C

Chair(s): K. Glas; J. Hung

- 8:45 am: **Imaging Heart Failure in 2010**
M. Quiñones
- 9:05 am: **Mitral Valve Surgery in the Patient with Low EF – How Low is Too Low?**
P. McCarthy
- 9:25 am: **LV/RV Support Device: Who Gets Them? What do They Look Like?**
J. Walker
- 9:45 am: **Echo Imaging in the Patient with LVADS/RVADS**
W. Whitley
- 10:05 am: **Discussion**
M. Quiñones; J. Walker; W. Whitley; S. Wieggers

10:15 am - 11:00 am: Break

- 11:00 am: **LV Aneurysm and Ventricular Restoration: When to Apply in the Post-STITCH Era**
J. Oh
- 11:20 am: **Novel Therapeutic Approaches in Patients with Ischemic Mitral Regurgitation**
J. Hung

- 11:40 am: **Trouble in Paradise: Where Can Echo Help in the Care of the Post-Heart Transplant Patient?**
S. Wieggers

12:00 pm: Case Presentation

Presenter(s): J. Hung; K. Glas

Panelist(s): P. Burgess; J. Walker; J. Oh; S. Wieggers; M. Quiñones

8:45 am - 12:30 pm: Echocardiography for the Diagnosis and Treatment of Systolic Heart Failure

SYMPOSIUM

Ballroom 6E

Co-Chair(s): I. B. Vijayalakshmi; A. Distanto

- 8:45 am: **Scope of the Problem**
A. Distanto
- 9:00 am: **Establishing an Etiology, Ischemic versus Non-Ischemic Distinguishing Myopathies**
M. Quiñones
- 9:15 am: **Management - Is Echo Useful or Redundant?**
P. Adamson
- 9:30 am: **Follow-Up of Heart Failure Patients: When, How Often and Does It Matter?**
J. Oh
- 9:45 am: **Assessment of the RV in the Heart Failure Patients**
P. Gutierrez-Fajardo
- 10:00 am: **Mitral Regurgitation in the Heart Failure Patient: Does It Matter?**
R. Yusoff
- 10:15 am - 11:00 am: BREAK
- 11:00 am: **Optimal Assessment of LV and RV Volumes**
F. Flachskampf
- 11:15 am: **Echocardiography for Assessment of Devices/VADs**
M. Marountas
- 11:30 am: **New Technologies (Strain/Strain Rate) - Where are They Useful?**
J. Thomas
- 11:45 am: **P1-57: E/E' Can Predict Short Term Readmissions in Patients Hospitalized with Acutely Decompensated Heart Failure**
P. Parikh
- 12:00 pm: **Value of Speckle Tracking in the Assessment of Complications of Myocardial Infarction**
R. Ronderos
- 12:15 pm: **The Real World: Echo in Chagas Disease Case Presentation**
M. Barbosa
- 12:22 pm: **The Real World: Strain Imaging for Heart Failure Case Presentation**
G. Cho

8:45 am - 12:30 pm: Clinical Applications of 3D Echocardiography

SYMPOSIUM

Ballroom 6D

Co-Chair(s): R. Lang; M. McCulloch

- 8:45 am: **3D for the Assessment of LV Function**
L. Badano
- 9:00 am: **3D for the Assessment of RV Function**
A. Gopal

Sunday, June 13, 2010

- 9:15 am: **Comprehensive Analysis of the Mitral and Tricuspid Valves**
A. Berrebi
- 9:30 am: **When is 3D Echocardiography Useful for the Aortic Valve and Root?**
A. Calleja
- 9:45 am: **Demystifying Congenital Heart Disease**
G. Shirali
- 10:00 am: **P3-06: Evaluation of Post-Ischemic Left Ventricular Delayed Relaxation by 3-Dimensional Myocardial Tracking System**
K. Obase
- 10:15 am - 11:00 am: **BREAK**
- 11:00 am: **3D Echocardiography in the Interventional Lab**
G. Perk
- 11:15 am: **Is 3D Echocardiography Still Helpful for Assessment of CRT?**
M. Monaghan
- 11:30 am: **3D Echocardiography and the OR**
S. Shernan
- 11:45 am: **Speckle Tracking and 3D**
H. Nesser
- 12:00 pm: **Debate Side 1: 3D Echocardiography Should be an Integral Part of Every Echo Lab**
N. Pandian
- 12:15 pm: **Debate Side 2: 3D Echocardiography is Not Yet Ready for Routine Use in Most Patients**
H. Rakowski

8:45 am - 12:30 pm: The Right Ventricle: A Trip to the Other Side

SYMPOSIUM

Ballroom 5AB

Chair(s): *K. Horton; P. Nihoyannopoulos*

- 8:45 am: **Echocardiography Methods for Qualifying RV Function**
P. Nihoyannopoulos
- 9:00 am: **RV Assessment by Echocardiography versus MRI**
L. Sugeng
- 9:15 am: **RV Function by 3D**
T. Shiota
- 9:30 am: **The Right Atrium - The Forgotten Chamber**
J. Kirkpatrick
- 9:45 am: **Assessment of RV Function in Pulmonary Disease**
S. Lester
- 10:00 am: **PA Pressure Estimation When TR Velocity is Not Available**
B. Ristow
- 10:15 am - 11:00 am: **BREAK**
- 11:00 am: **RV Tissue Doppler, 2D Strain and TAPSE: Are They Useful and/or Practical? Should They be Routine?**
J. Chirinos
- 11:15 am: **Assessment of the RV During Stress Echocardiography**
F. Chaudhry
- 11:30 am: **Summary - Practical Aspects of RV Function Assessments: What Do the Guidelines Tell Us?**
L. Rudski
- 11:45 am: **P1-01: Echocardiographic Prediction of Short-Term Course of Right Heart Failure in Patients with Pulmonary Arterial Hypertension Referred for Transplantation**
M. Dandel

- 12:00 pm: **The Real World: Pulmonary Embolus Case Presentation**
R. Migliore
- 12:15 pm: **The Real World: RV Dysplasia Case Presentation**
J. Pena

9:45 am - 10:15 am: Prosthetic Valve Disease

CARDIOVASCULAR SONOGRAPHER REGISTRY REVIEW (TICKETED)

Ballroom 3

Speaker: *J. Marshall*

11:00 am - 12:00 pm: Aortic Valve Disease: What to Look for When the Valve Doesn't Open, Close or Work Correctly

CARDIOVASCULAR SONOGRAPHER REGISTRY REVIEW (TICKETED)

Ballroom 3

Speaker: *M. Umland*

11:00 am - 12:30 pm: The Perinatologist-Pediatric Cardiologist Relationship (Joint SMFM session)

CONGENITAL

Ballroom 6F

Co-Chair(s): *C. Gomez-Fifer; G. DeVore*

- 11:00 am: **The Fetus with CHD: The Perinatologist Perspective**
G. DeVore
- 11:20 am: **The Fetus with an Extracardiac Anomaly: The Pediatric Cardiologist Perspective**
E. Michelfelder
- 11:40 am: **Assessment and Management of Fetal Growth Restriction**
M. Tarsa
- 12:00 pm: **Twin Gestation and the Fetal Hearts**
N. Ayres
- 12:20 pm: **Discussion**
G. DeVore; E. Michelfelder; M. Tarsa; N. Ayres

11:00 am - 12:30 pm: M-Mode and Spectral Doppler

EXAM PREP (TICKETED)

Ballroom 1AB

Chair: *J. Mangion*

- 11:00 am: **Classic M-Mode Cases**
I. Kronzon
- 11:25 am: **Spectral Doppler Cases**
R. Hahn
- 11:50 am: **Diseases of the Aorta**
J. Aragam
- 12:15 pm: **Discussion**
I. Kronzon; R. Hahn; J. Aragam

Sunday, June 13, 2010

11:00 am - 12:30 pm: Contrast Perfusion Imaging in Decision-Making

CASE-BASED LEARNING

Ballroom 4

Co-Chair(s): R. Senior; T. Porter

- 11:00 am: **Perfusion During Stress Imaging - Adding Value to Wall Motion**
T. Porter
- 11:15 am: **Late Breaking Clinical Data: Effect of Contrast on Pulmonary and Systemic Hemodynamics Determined Using Right Heart Catheterization**
K. Wei
- 11:30 am: **Assessment of Regional Viability**
R. Senior
- 11:45 am: **Advanced LVO: Masses, Thrombi, Aneurysms, etc.**
W. Tsang
- 12:00 pm: **Niche Applications: Cardiomyopathies and PAD**
S. Mulvagh
- 12:15 pm: **Questions and Answers**
T. Porter; K. Wei; R. Senior; W. Tsang; S. Mulvagh

11:00 am - 12:30 pm: Sonographers in the Research World

SONOGRAPHER

Ballroom 2

Chair: J. Belcik; Co-Chair: M. Scherrer-Crosbie

- 11:00 am: **Animal Scanning: From Mice to Men**
M. Scherrer-Crosbie
- 11:18 am: **IRB and the ACUC: What You Need to Know**
J. Belcik
- 11:36 am: **How to Design Your First Study**
K. Collins
- 11:54 am: **Understanding Research Statistics**
M. Bierig
- 12:12 pm: **The Role of a Core Lab in Research**
A. Morehead

11:00 am - 12:30 pm: Emerging Duplex Technology

VASCULAR

Ballroom 8

Chair: V. Nambi

- 11:00 am: **Use of Contrast for Plaque Imaging and Angiogenesis**
S. Feinstein
- 11:22 am: **Fusion Imaging**
V. Nambi
- 11:45 am: **TCCD and Fusion with CT/MR**
Z. Garami
- 12:07 pm: **3D Duplex Imaging**
M. Park

12:00 pm - 12:30 pm: Aortic Disease

CARDIOVASCULAR SONOGRAPHER REGISTRY REVIEW (TICKETED)

Ballroom 3

Speaker: J. Marshall

12:30 pm - 1:00 pm: Council on Vascular Ultrasound Business Meeting and Travel Awards

COUNCIL MEETING (NON-CME)

Ballroom 8

Chair: R. Eberhardt

12:45 pm - 2:00 pm: Pediatric Echocardiography Jeopardy

CONGENITAL (NON-CME)

Ballroom 6F

Panelist(s): M. Brook; R. Eapen; C. Altman; J. Simpson; J. Marek; A. Dorfman; E. Michelfelder; L. Hornberger; B. Soriano

2:00 pm - 3:30 pm: Adult CHD Symposium: Evaluation and Management of Pregnant Women with CHD

CONGENITAL

Ballroom 6F

Co-Chair(s): E. Alboliras; F. Cetta

- 2:00 pm: **Pregnancy without CHD**
P. Barker
- 2:20 pm: **Tetralogy of Fallot**
A. Grady
- 2:40 pm: **Left Ventricle Outflow Tract Obstruction and Coarctation**
C. Altman
- 3:00 pm: **Systemic Right Ventricle and Palliated Single Ventricle**
A. Valente
- 3:20 pm: **Discussion**
P. Barker; A. Grady; C. Altman; A. Valente

Sunday, June 13, 2010

2:00 pm - 3:30 pm: Maintaining a Healthy Echocardiography Lab

SYMPOSIUM

Ballroom C

Chair: M. Picard; Co-Chair(s): A. Pearlman; S. Wieggers

- 2:00 pm: **Policy Update: Adjusting to the Shifting Landscape of Cardiac Imaging**
M. Picard
- 2:15 pm: **Advocacy: What Should We Expect in Five Years?**
B. Byrd
- 2:30 pm: **Keeping Afloat: Billing and Coding**
J. Rosenbloom
- 2:45 pm: **Compliance and Safety I - The Evolving Role of the Physician**
S. Wieggers
- 3:00 pm: **Compliance and Safety II - The Evolving Role of the Sonographer**
M. McCulloch
- 3:15 pm: **Appropriateness Criteria in the Echocardiography Lab**
P. Ward

2:00 pm - 3:30 pm: Clinical Approach to Diastolic Function

SYMPOSIUM

Ballroom 6E

Co-Chair(s): R. Rigling; C. Appleton

- 2:00 pm: **Epidemiology of Diastolic Function: Clinical Perspective**
J. Gorcsan
- 2:15 pm: **Echocardiographic Assessment of Diastolic Function: Mitral Inflow and Pulmonary Vein Flow**
C. Appleton
- 2:30 pm: **Echocardiographic Assessment of Diastolic Function: Role of LA Volume**
R. Rigling
- 2:45 pm: **Echocardiographic Assessment of Diastolic Function: Color M-Mode and Tissue Doppler**
L. Rodriguez
- 3:00 pm: **Estimating LV Filling Pressures**
J. Gardin

2:00 pm - 3:30 pm: Contrast Echocardiography: What is New?

SYMPOSIUM

Ballroom 6D

Chair: S. Tiukinhoy Laing; Co-Chair: A. Distanto

- 2:00 pm: **Black Box Warning and FDA Issues**
M. Main
- 2:15 pm: **Sonographer Tricks**
G. Lammertin
- 2:30 pm: **Contrast Echocardiography: Clinical Decision-Making**
A. DeMaria
- 2:45 pm: **Stress Echocardiography Applications: Incremental Value of Perfusion**
H. Becher
- 3:00 pm: **Targeted Microbubbles: Is This the Future?**
S. Tiukinhoy Laing
- 3:15 pm: **Value of Contrast in 2D/3D Stress Echocardiography**
M. Takeuchi

2:00 pm - 3:30 pm: Echocardiography in Cardiomyopathy

EXAM PREP (TICKETED)

Ballroom 1AB

Chair: A. Patel (Boston)

- 2:00 pm: **Echocardiography in Hypertrophic Cardiomyopathy**
H. Dokainish
- 2:25 pm: **Echocardiography in Infiltrative Cardiomyopathy**
M. Makan
- 2:50 pm: **RV Function and Dysfunction**
A. Patel (Boston)
- 3:15 pm: **Discussion**
H. Dokainish; M. Makan; A. Patel (Boston)

2:00 pm - 3:30 pm: Echocardiographic Features of Uncommon Systemic Disease

CASE-BASED LEARNING

Ballroom 4

Co-Chair(s): F. Pinto; S. Goldstein

- 2:00 pm: **Systemic Lupus**
P. Nihoyannopoulos
- 2:15 pm: **Non-Impus Autoimmune and Connective Tissue Disease**
M. Saric
- 2:30 pm: **Sarcoidosis**
S. Sengupta
- 2:45 pm: **Cancer-Related Illness**
F. Pinto
- 3:00 pm: **Amyloidosis**
D. Lombardo
- 3:15 pm: **Kawasaki's Disease**
W. Mathias

2:00 pm - 3:30 pm: Right Side: Not Forgotten

CARDIOVASCULAR SONOGRAPHER REGISTRY REVIEW (TICKETED)

Ballroom 3

Speaker: R. Meece

2:00 pm - 3:30 pm: Living Beyond the Echocardiography Lab

SONOGRAPHER

Ballroom 2

Chair: K. Horton; Co-Chair: M. Adams

- 2:00 pm: **Sonographers Role in the OR**
M. Adams
- 2:20 pm: **Device Guidance with Echocardiography**
K. Horton
- 2:40 pm: **Applications Specialist - Research and Development**
R. Davis
- 3:00 pm: **Echocardiography in Space**
K. Garcia
- 3:20 pm: **Questions and Answers**
M. Adams; K. Horton; R. Davis; K. Garcia

Sunday, June 13, 2010

2:00 pm - 3:30 pm: Peripheral Arterial Disease

VASCULAR

Ballroom 8

Chair: R. Kolluri

- 2:00 pm:** **Physiologic Arterial Testing: Technique and Interpretation**
S. Kim
- 2:22 pm:** **Arterial and Graft Duplex Testing: Technique and Interpretation**
R. Kolluri
- 2:45 pm:** **Advanced Vascular Imaging: Integration with Vascular Lab Arterial Testing**
R. Eberhardt
- 3:07 pm:** **Use of Vascular Lab Testing in Peripheral Arterial Disease Management**
R. Kolluri

2:00 pm - 5:45 pm: Current Role of Echocardiography in CRT

SYMPOSIUM

Ballroom 5AB

Co-Chair(s): J. Puthumana; H. Okura

- 2:00 pm:** **What is Ventricular Dysynchrony?**
B. Khandheria
- 2:15 pm:** **How Best to Measure Dysynchrony**
T. Arita
- 2:30 pm:** **What Have We Learned from Prospect?**
T. Abraham
- 2:45 pm:** **Echocardiography versus Other Techniques to Quantify Dysynchrony**
M. Vannan
- 3:00 pm:** **3D Echocardiography and CRT**
M. Monaghan
- 3:15 pm:** **Is Ventricular Dysynchrony What Matters in Predicting Outcome for CRT?**
J. Puthumana
- 3:30 pm - 4:15 pm: BREAK**
- 4:15 pm:** **P1-33: Speckle Tracking Echocardiographic Radial Strain Predicts Survival in Patients with Narrower QRS Duration Following Cardiac Resynchronization**
O. Oyenuga
- 4:30 pm:** **Can Echocardiography Help with Placement of the Third Lead?**
T. Naqvi
- 4:45 pm:** **Value of Dysynchrony Imaging in Heart Failure Patients with Narrow QRS**
R. Grimm
- 5:00 pm:** **Clinical Summary: What is the Future for Echocardiographic Assessment of the CRT Patient?**
T. Ryan
- 5:15 pm:** **Debate Side 1: Dysynchrony Echocardiography Studies Should Always Be Used to Select Patients for CRT**
J. Gorcsan
- 5:30 pm:** **Debate Side 2: Only Traditional Criteria Should Be Used to Select Patients for CRT**
B. Knight

4:15 pm - 5:45 pm: Adult CHD Symposium: Echocardiography and Sudden Death

CONGENITAL

Ballroom 6F

Co-Chair(s): R. Pignatelli; J. Kovalchin

- 4:15 pm:** **The Dilated Aorta: When Should We Worry?**
M. Lewin
- 4:35 pm:** **HCM: Differentiating It from the Athlete's Heart**
J. Ganame
- 4:55 pm:** **Anomalous Coronary Arteries: Can We Rule It Out?**
D. Coleman
- 5:15 pm:** **Pulmonary Hypertension: Assessing Severity and Prognosis**
A. Younoszai
- 5:35 pm:** **Discussion**
M. Lewin; J. Ganame; D. Coleman; A. Younoszai

4:15 pm - 5:45 pm: Meet Liv Hatle, MD, FASE

SYMPOSIUM

Ballroom 6C

Chair: L. Hatle

- 4:15 pm:** **Presentation of 2008 Honorary FASE Award**
A. Tajik
- 4:16 pm:** **Interview: "A Roadmap of Doppler Discoveries"**
A. Tajik; L. Hatle
- 4:45 pm:** **Favorite Doppler Cases**
L. Hatle
- 5:15 pm:** **Stump Dr. Hatle: Challenging Doppler Cases**
P. Douglas; L. Hatle; S. Lester; S. Goldstein

4:15 pm - 5:45 pm: ASE/EAE Guidelines on Diastolic Function

SYMPOSIUM

Ballroom 6E

Co-Chair(s): S. Nagueh; F. Flachskampf

- 4:15 pm:** **Why Diastolic Function Matters: An Epidemiologic Perspective**
A. Klein
- 4:30 pm:** **What, When and How To Measure Diastolic Function**
S. Nagueh
- 4:45 pm:** **Role of Stress Echocardiography in Diastolic Function Assessment**
P. Pellikka
- 5:00 pm:** **Discrepant Indices: How the Guidelines Settle the Issue**
F. Flachskampf
- 5:15 pm:** **Case Example of Diastolic Function: I**
D. Agler
- 5:30 pm:** **Case Example of Diastolic Function: II**
J. Roelandt

Sunday, June 13, 2010

4:15 pm - 5:45 pm: Contrast Echocardiography: Appropriate Uses and Clinical Perspective

SYMPOSIUM

Ballroom 6D

Chair: K. Wei; Co-Chair: H. Becher

- 4:15 pm: **Appropriate Use Consensus Document**
S. Mulvagh
- 4:30 pm: **Use of Contrast in the Vascular Lab**
S. Feinstein
- 4:45 pm: **P2-08: Prognostic Value of Quantitative Myocardial Contrast Echocardiography during Vasodilator Stress in Patients with Known or Suspected Coronary Artery Disease**
J. Tsutsui
- 5:00 pm: **Contrast Case Presentation**
L. Galiuto
- 5:15 pm: **Debate Side 1: Perfusion MRI/CT Will Replace Perfusion Contrast Echocardiography**
A. Patel (Chicago)
- 5:30 pm: **Debate Side 2: Contrast Perfusion Will Be the Preferred Method**
K. Wei

4:15 pm - 5:45 pm: Cases and Plenty of Them

EXAM PREP (TICKETED)

Ballroom 1AB

Chair: A. Parisi

- 4:15 pm: **Case Presentation 1**
S. Wilansky
- 4:30 pm: **Case Presentation 2**
D. Orsinelli
- 4:45 pm: **Case Presentation 3**
M. King
- 5:00 pm: **Case Presentation 4**
A. Parisi
- 5:15 pm: **Case Presentation 5**
N. Pandian
- 5:30 pm: **Discussion**
S. Wilansky; D. Orsinelli; M. King; A. Parisi; N. Pandian

4:15 pm - 5:45 pm: Echocardiographic Artifacts: Truth versus Consequences

CASE-BASED LEARNING

Ballroom 4

Co-Chair(s): M. Scherrer-Crosbie; L. Rudski

- 4:15 pm: **Smoke and Mirrors: The Physics of Artifacts in Ultrasound**
M. Scherrer-Crosbie
- 4:45 pm: **Flap or Flop: How to Avoid Misdiagnosis of Aortic Dissection**
E. Bossonne
- 5:00 pm: **Color Doppler Artifacts: Is the Flow for Real?**
J. Aragam
- 5:15 pm: **Shadowy 2D Structures Lurking in the Heart: Real or Artifact?**
N. Chung
- 5:30 pm: **Technical Tips to Avoid Misdiagnosis: The Sonographer's Sage Advice**
E. McIlwain

4:15 pm - 5:45 pm: Congenital Heart Disease: When the Plumbing is Installed Incorrectly

CARDIOVASCULAR SONOGRAPHER REGISTRY REVIEW (TICKETED)

Ballroom 3

Chair: C. Mitchell

4:15 pm - 5:45 pm: Legendary Sonographers Over the Years

SONOGRAPHER

Ballroom 2

Chair: D. Carney; Co-Chair: D. Adams

- 4:15 pm: **Echocardiography in the 60's**
D. Carney
- 4:33 pm: **Echocardiography in the 70's**
S. Hagen-Ansert
- 4:51 pm: **Echocardiography in the 80's**
D. Adams
- 5:09 pm: **Echocardiography in the 90's**
P. Knoll
- 5:27 pm: **Echocardiography in the 21st Century**
D. Atherton

4:15 pm - 5:45 pm: Venous Disease

VASCULAR

Ballroom 8

Chair: R. Eberhardt

- 4:15 pm: **Use of Duplex in Diagnosis of Acute and Chronic Venous Disease**
R. Eberhardt
- 4:45 pm: **Contemporary Management of Acute Venous Disease and Use of Duplex**
R. Schainfeld
- 5:05 pm: **Use of Duplex in Contemporary Management of Chronic Venous Disease**
R. Kolluri
- 5:25 pm: **Integration of Venous Duplex Imaging with Other Diagnostic Modalities**
P. Wennberg



Monday Exhibit Highlights

Exhibit Highlights

Networking Event for International Attendees

2:45 pm - 3:30 pm located in booth #633 in the Exhibit & Poster Hall on the ground level of the San Diego Convention Center.

All international attendees are encouraged to attend this new event to network with other international attendees, and meet and share ideas with the ASE leadership.

ASE Members Only Coding and Reimbursement Sessions

Visit ASE booth #501 to sign up for individualized question and answer sessions with Judy Rosenbloom, RDCS, FASE, ASE's coding and reimbursement specialist.

15-minute appointments are available during the following times: 9:30 am; 9:45 am; 10:00 am; 10:15 am; 10:30 am; 10:45 am; 11:00 am; and 11:15 am.

Moderated Abstracts Session 2

Quality, Appropriateness, Lab Accreditation, Ergonomics and Outcomes Research

12:10 pm - 1:00 pm

Expo Theatre 1

Contrast Echocardiography

12:10 pm - 1:00 pm

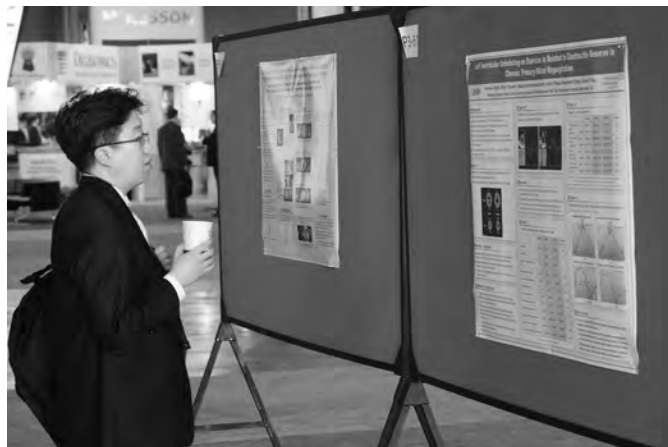
Expo Theatre 2

Moderated Abstracts Session 3

Ischemic Heart Disease, Exercise and Pharmacologic Stress Echocardiography

3:00 pm - 3:45 pm

Expo Theatre 1



New in 2010! Imaging Village

The following sessions are non-CME. Please see the *Exhibition & Abstracts Catalog* for detailed information (including topics and faculty) on sessions taking place in the Imaging Village. All Lunch in the Village sessions are ticketed events. If seats are available, tickets may be purchased at the ASE Registration Counter.

- | | |
|---------------------|---|
| 9:45 am - 10:30 am | Live Scanning – Philips Ultrasound:
<i>“Meet the Experts in 3D Imaging: Tips for Excellence”</i> |
| 9:45 am - 10:30 am | IV Insertion Workshop –
Lantheus Medical Imaging |
| 9:45 am - 10:30 am | Hands-on Computer Station –
GE Healthcare:
<i>“Tips and Tricks for Proper 2D and 4D Strain - Watch One/Do One”</i> |
| 9:45 am - 10:30 am | Small Group Demonstration –
Lantheus Medical Imaging:
<i>“Can You Answer the Clinical Questions?”</i> |
| 9:45 am - 10:15 am | Small Group Demonstration –
Lantheus Medical Imaging:
<i>“Read with the Experts: DEFINITY® Case Reviews”</i> |
| 12:00 pm - 1:30 pm | Lunch in the Village (ticketed) –
SIEMENS Healthcare:
<i>“Benefits of Real-Time Volume Imaging in Clinical Echocardiography: Automation, Workflow Acceleration and Diagnostic Accuracy”</i> |
| 12:00 pm - 1:30 pm | Lunch in the Village (ticketed) –
Toshiba America Medical Systems:
<i>“New Advances in CRT”</i> |
| 12:00 pm - 1:30 pm | Hands-on Computer Station –
Philips Ultrasound:
<i>“The Speckle Analysis Exam: An Expert’s View”</i> |
| 12:00 pm - 1:30 pm | Small Group Demonstration –
Lantheus Medical Imaging:
<i>“Can You Answer the Clinical Questions?”</i> |
| 12:15 pm - 12:45 pm | Small Group Demonstration –
Lantheus Medical Imaging:
<i>“Read with the Experts: DEFINITY® Case Reviews”</i> |
| 1:00 pm - 1:30 pm | Small Group Demonstration –
Lantheus Medical Imaging:
<i>“Read with the Experts: DEFINITY® Case Reviews”</i> |
| 3:00 pm - 3:45 pm | Live Scanning – SIEMENS Healthcare:
<i>“Real Life Volume Imaging with Pathologies”</i> |
| 3:00 pm - 3:45 pm | IV Insertion Workshop –
Lantheus Medical Imaging |
| 3:00 pm - 3:45 pm | Small Group Demonstration –
Toshiba America Medical Systems:
<i>“2D/3D Wall Motion Tracking Analysis”</i> |
| 3:00 pm - 3:45 pm | Small Group Demonstration –
Philips Ultrasound:
<i>“Echo in the Cath Lab”</i> |

Monday Program Highlights

Monday Highlighted Session –

2010 Arthur E. Weyman Young Investigator's Award Competition and Feigenbaum Lecture

Supported by the National Board of Echocardiography™ (NBE)

8:00 am - 9:45 am in Ballroom 6AB

2010 Arthur E. Weyman Young Investigator's Award Finalists:

Mayank M. Kansal, MD Shelby Kutty, MD
Julien Magne, MD Nupoor Narula, MD

The 11th annual Feigenbaum Lecturer is Victor Mor-Avi, PhD, FASE of the University of Chicago in Chicago, IL. Dr. Mor-Avi will present his lecture "3D Echocardiography: The Benefits of the Additional Dimension."

Council on Cardiac Sonography Business Meeting: Update on Pending Issues

7:00 am - 8:00 am in Ballroom 2

(Non-CME) All conference attendees with an interest in cardiac sonography are invited to attend the Council Business Meeting, which will provide an overview of council activities, healthcare reform and licensure versus registry. In addition, the 2010 travel award winners will be recognized during this time.

Council on Pediatric and CHD Business Meeting and Awards Presentation

12:15 pm - 1:00 pm in Ballroom 6F

(Non-CME) All conference attendees with an interest in pediatric and congenital heart disease are invited to attend the Council Business Meeting, which will provide an overview of council activities and opportunities for getting involved. In addition, the 2010 travel award winners will be recognized during this time.

Local Society Echo Challenge

1:30 pm - 3:00 pm in Ballroom 3

The Local Society Echo Challenge is back featuring "Three of a Kind: An Echo Game!" This entertaining session, hosted by David B. Adams, RCS, RDCS, FASE, will showcase a variety of diseases in an educational format that will involve audience participation. The attendees will be split into teams and compete against each other for points. Points will be deducted for wrong answers. "Three of a Kind: An Echo Game" will be a lively and educational program! Attendees do not need to be pre-registered to participate.

Echocardiography: A Nursing Focus

1:30 pm - 3:00 pm; 3:45 pm - 5:15 pm in Ballroom 9

This half-day nursing session highlights the role of the RN in the echo lab and provides an introduction to common echo pathology.

Local Society Networking Event

3:45 pm - 5:15 pm in Ballroom 3

(Non-CME) All local society organizers and officers are invited to join ASE and toast your accomplishments while networking with your colleagues.

"Who Wants to be an Echo Millionaire?"

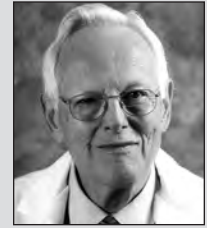
5:30 pm - 7:30 pm in Ballroom 6AB

Don't miss this year's competition between the Legends, Jae Oh, MD, FASE; Mani Vannan, MBBS; and Peg Knoll, RDCS, FASE, and the Legends in the Making, Malissa Wood, MD, FASE; Jonathan Lindner, MD, FASE; and Monet Strachan, RDCS, FASE. Who will take home the millionaire dollar check?

Fireside Chat

3:00 pm - 4:00 pm in Ballroom 6F

(Non-CME) The Pediatric and Congenital Heart Disease Council is proud to host a Fireside Chat with Richard Van Praagh, MD, a world-renowned figure in pediatric cardiology, with Ira Parness, MD, FASE, as the interviewer. In addition, Dr. Van Praagh will be leading the pathology discussions during the pathology-echocardiography-surgery correlation sessions on Saturday, June 12th.



Dr. Van Praagh trained in pediatrics, pediatric cardiology, internal medicine, pediatric cardiac pathology and embryology from 1954 to 1965. In 1965 he joined the staff at Children's Hospital Boston where he founded the cardiac pathology laboratory known as the Cardiac Registry. Throughout his career, Dr. Van Praagh, his wife Dr. Stella Van Praagh, and their colleagues have authored more than 280 scientific publications, most of which focus on the clinico-pathologic-embryologic correlations of congenital heart diseases to aid with their diagnosis and management. In addition, they have described 13 previously undocumented forms of congenital heart disease and 5 new surgical operations. In 1972, Dr. Van Praagh published the segmental approach to the diagnosis of congenital heart disease that is now being used with and without modification throughout the world. Dr. Van Praagh has received numerous national and international honors. Dr. Van Praagh is certainly a treasure trove of cardiac morphology information as well as stories depicting the history of pediatric cardiology and Dr. Parness will surely capture all the glory, grace, and humor of Dr. Van Praagh's life.

Cardiovascular Sonographer Educators' Summit

10:30 am - 12:00 pm in Ballroom 6AB

(Non-CME) ASE will host an information sharing and networking session for cardiovascular sonographer program directors, clinical instructors, students and other individuals interested in sharing ideas on how sonographer educators and ASE can work together to enrich the overall education process. The session will be a combination of panel discussion and open forum discussion focusing on the emergence of the advanced cardiac sonographer education pathway and advanced sonographer degrees.

Don't Miss the ASE 2010 Members Only Event!

9:45 pm - 11:30 pm

(Non-CME) Join your fellow ASE members at the San Diego Wine and Culinary Center (SDWCC) in a relaxed setting perfect for unwinding after a day of sessions. This is the ideal destination to visit with your ASE friends and colleagues in pure Californian style! The SDWCC is at 200 Harbor Drive, Suite 120 on the ground level of the Harbor Club Towers located on the corners of 3rd Avenue & K Street and 2nd Avenue and J Street. The SDWCC is a short walk away from the San Diego Convention Center, San Diego Marriott Hotel and Marina and the Omni San Diego Hotel, and just steps from the Gaslamp Quarter and PETCO Park.

Directions: Cross Harbor Drive at 1st Avenue and walk along the Martin Luther King Promenade. The SDWCC is at the foot of the Harbor Towers on the left-hand side.

Monday Committee Meetings

Committee meetings will be held at the San Diego Marriott Hotel and Marina (Marriott) or on the mezzanine level of the San Diego Convention Center (CC).

10:00 am - 12:00 pm	Information Technology Committee Meeting	CC/15B
10:00 am - 11:30 am	Education Committee Meeting	CC/14A
12:15 pm - 2:00 pm	Bylaws and Ethics Committee Meeting	CC/14B
2:00 pm - 4:00 pm	Finance, Strategy and Development Committee Meeting	CC/14A

Monday, June 14, 2010

Registration Open6:30 am - 5:30 pm

Ground level of the San Diego Convention Center
outside Exhibit Hall B1

Exhibit & Poster Hall9:15 am - 4:45 pm

Ground level of the San Diego Convention Center
in Exhibit Hall B1

7:00 am - 8:00 am: How to Incorporate 3D Echo into the Lab

TICKETED BREAKFAST SESSION

Ballroom 6E

Chair: A. Gopal; Co-Chair: H. Wang

- 7:00 am: **How to Incorporate 3D into Your Lab Workflow**
A. Gopal
- 7:15 am: **3D TEE**
R. Lang
- 7:30 am: **3D Strain Imaging in Patients with Subendocardial Infarction**
H. Nesser
- 7:45 am: **CRT - Optimize**
R. Meece

7:00 am - 8:00 am: The New Knobology: Decoding Features of Ultrasound Systems

TICKETED BREAKFAST SESSION

Ballroom 1AB

Chair: P. Li; Co-Chair: J. Belcik

- 7:00 am: **Single Beat 3D LV Volumes**
M. Vannan
- 7:20 am: **Strain, Displacement**
T. Zhu
- 7:40 am: **Contrast Modalities**
J. Belcik

7:00 am - 8:00 am: Diastology: What the Clinician Needs to Know

TICKETED BREAKFAST SESSION

Ballroom 4

Co-Chair(s): S. Nagueh; S. Shrivastava

- 7:00 am: **Traditional Doppler Techniques: Utility of Mitral Flow and Pulmonary Vein**
M. Quiñones
- 7:15 am: **Tissue Doppler Imaging: Is This the Answer?**
S. Lester
- 7:30 am: **Incorporation of the Diastology Guidelines into Clinical Practice: Case Presentation 1**
S. Nagueh
- 7:40 am: **Incorporation of the Diastology Guidelines into Clinical Practice: Case Presentation 2**
M. Plastino
- 7:50 am: **Incorporation of the Diastology Guidelines into Clinical Practice: Case Presentation 3**
S. Shrivastava

7:00 am - 8:00 am: Echo in Interventions I: Percutaneous Valves and Occluder Devices

TICKETED BREAKFAST SESSION

Ballroom 3

Chair: L. Gillam; Co-Chair: L. Sugeng

- 7:00 am: **Use of Echo for Percutaneous Aortic Valve Procedures**
L. Gillam
- 7:15 am: **Echo in Percutaneous Mitral Valve Procedures**
R. Siegel
- 7:30 am: **Value of Echo for Paravalvular Regurgitation**
W. Stewart
- 7:45 am: **Value of Echo for LA Appendage Procedures**
S. Shah

7:00 am - 8:00 am: Review of the Normal TTE and TEE Examination

TICKETED BREAKFAST SESSION

Ballroom 9

Chair(s): A. Poppas; D. Adams

- 7:00 am: **The Normal Transthoracic Examination: An Expert's View on the Standard Views**
A. Poppas
- 7:15 am: **Optimizing the Images: Knobology 101**
J. Neary
- 7:30 am: **Artifacts: Separating the Wheat from the Chaff**
W. Armstrong
- 7:45 am: **Transesophageal Study: A Systematic Approach**
S. Goldstein

7:00 am - 8:00 am: Echo in Interventions II: Line Placement and Pericardiocentesis

TICKETED BREAKFAST SESSION

Ballroom 5AB

Chair: G. Hartman; Co-Chair: J. Seward

- 7:00 am: **Echo-Guided Central Line Insertion**
G. Hartman
- 7:15 am: **Echo-Guided Pericardiocentesis**
J. Seward
- 7:30 am: **Echo-Guided ASD Closures**
F. Silvestry
- 7:45 am: **Patent Foramen Ovale: To Close or Not to Close?**
S. Homma

7:00 am - 8:00 am: Demystifying Adjunct Modalities: Analyzing the Dataset

CONGENITAL

Ballroom 6F

Co-Chair(s): G. Shirali; J. Ganame

- 7:00 am: **3D Echocardiography**
G. Shirali
- 7:20 am: **Strain and Torsion Analysis**
S. Shrivastava
- 7:40 am: **Cardiac Magnetic Resonance**
J. Nielsen

Monday, June 14, 2010

7:00 am - 8:00 am: Council on Cardiac Sonography Business Meeting: Updates on Pending Issues

COUNCIL MEETING (NON-CME)

Ballroom 2

- 7:00 am:** Update from the Sonographer Council
M. McCulloch
- 7:15 am:** Travel Awards
K. Horton
- UltraEcho Ltd. Cardiovascular Sonographer Student Travel Grant
 - Feigenbaum Cardiovascular Sonographer Student Travel Grant
- 7:30 am:** Licensure versus Registry
C. Mitchell
- 7:45 am:** Healthcare Reform - Impact on Echocardiography
E. McIlwain

7:00 am - 8:00 am: Running a Hybrid Vascular Lab

VASCULAR

Ballroom 8

Chair: R. Eberhardt

- 7:00 am:** The Physician's Perspective
T. Naqvi
- 7:15 am:** The Technologist's Perspective
S. Perese
- 7:30 am:** Discussion
T. Naqvi; S. Perese

8:00 am - 9:45 am: 2010 Arthur E. Weyman Young Investigator's Award Competition and Annual Feigenbaum Lecture

PLENARY

Ballroom 6AB

Chair: S. Wiegers

- 8:00 am:** 2010 Arthur E. Weyman Young Investigator's Award Competition
Judge(s): S. Nagueh; R. Lang; S. Shernan; J. Zamorano; B. Hoit
- Impact of Intramural Scar Distribution on Layer-Specific Impairment of Myocardial Mechanics: Comparison between Three-Myocardial Layer-Based Speckle Tracking Echocardiography and Delayed Enhanced Magnetic Resonance Imaging
M. Kansal
 - Sonothrombolysis of Intra-Catheter Aged Venous Thrombi In-Vitro Using Microbubble Enhancement and Guided Three Dimensional Ultrasound Pulses
S. Kutty
 - Exercise Pulmonary Hypertension in Asymptomatic Degenerative Mitral Regurgitation: Mechanisms and Impact on Symptoms
J. Magne
 - Characterization of Left Ventricular Deformation in Cardiomyopathy Associated with Adenine nucleotide translocase 1 Deficiency
N. Narula

- 8:55 am:** Feigenbaum Lecture Plaque Presentation
H. Feigenbaum
- 9:00 am:** Annual Feigenbaum Lecture titled "3D Echocardiography: The Benefits of the Additional Dimension"
V. Mor-Avi

10:30 am - 12:00 pm: Quantification in Pediatric Echocardiography (Joint EAE session)

CONGENITAL

Ballroom 6F

Co-Chair(s): J. Marek; S. Colan

- 10:30 am:** Z-Scores: Why Adjust for Body Size?
J. Simpson
- 10:50 am:** Pediatric Chamber and Vessel Quantification: Challenges in Methodology
L. Lopez
- 11:10 am:** Diastolic Function: Which Indices Actually Work in Pediatrics?
D. Coleman
- 11:30 am:** Systolic Function: Which Indices Should Be Part of a Routine Pediatric Echo?
G. Ensing
- 11:50 am:** Discussion
J. Simpson; L. Lopez; D. Coleman; G. Ensing

10:30 am - 12:00 pm: Echocardiography in Cutting-Edge Medicine

SYMPOSIUM

Ballroom 6C

Chair: B. Hoit; Co-Chair: E. Topol

- 10:30 am:** Imaging in Translational Science and Cutting-Edge Medicine
E. Topol
- 10:45 am:** Therapeutic Ultrasound: The Power of Sound
T. Porter
- 11:00 am:** Stem Cell Therapy: Starting from the Beginning
F. Villanueva
- 11:15 am:** Angiogenesis: The Construction of New Vessels
J. Lindner
- 11:30 am:** Gene Therapy with Ultrasound
H. Leong-Poi
- 11:45 am:** Phenotyping Disease: Matching Morphology to Gene
B. Hoit

Monday, June 14, 2010

10:30 am - 12:00 pm: Stress Echocardiography: Perspective on the ASE Guidelines

SYMPOSIUM

Ballroom 6E

Co-Chair(s): J. Zamorano; P. Pellikka

- 10:30 am: **EAE Perspective**
R. Sicari
- 10:50 am: **ASE Perspective**
P. Pellikka
- 11:10 am: **Safety of Imaging in the Age of Stress Echocardiography**
F. Chaudhry
- 11:30 am: **What's Next?**
R. Sicari
- 11:50 am: **Panel Discussion**
R. Sicari; P. Pellikka; F. Chaudhry

10:30 am - 12:00 pm: Adult Congenital Heart Disease

SYMPOSIUM

Ballroom 6D

Co-Chair(s): J. Child; D. Sahn

- 10:30 am: **ASD**
J. Stevenson
- 10:45 am: **VSD**
D. Sahn
- 11:00 am: **PDA**
R. Rokey
- 11:15 am: **LV Outflow Tract Obstruction**
J. Child
- 11:30 am: **Adult with Fontan Operation**
J. Rychik
- 11:45 am: **Case Presentation**
R. Musarra

10:30 am - 12:00 pm: Role of Echocardiography and Cardiovascular Imaging in Diagnosis of Atrial Fibrillation

SYMPOSIUM

Ballroom 5AB

Chair: A. Klein; Co-Chair: S. Kort

- 10:30 am: **Epidemiology of Atrial Fibrillation: Clinical Perspective**
I. Mikati
- 10:50 am: **Role of Transthoracic Echo: Anatomy and Physiology**
A. Labovitz
- 11:10 am: **Role of Transesophageal Echo in Risk Stratification of Afib: Incremental Value?**
S. Kort
- 11:30 am: **Role of Transesophageal Echo in Cardioversion: ACUTE Studies**
A. Klein
- 11:50 am: **Panel Discussion**
I. Mikati; A. Labovitz; S. Kort; A. Klein

10:30 am - 12:00 pm: Cardiovascular Sonographer Educators' Summit

SPECIAL SESSION (NON-CME)

Ballroom 1AB

Moderator(s): R. Palma; D. Carney; M. Bremer; C. Mitchell

10:30 am - 12:00 pm: Ventricular Function: From M-Mode to Strain Imaging

CORE CURRICULUM

Ballroom 4

Chair: N. Schiller; Co-Chair: J. Ha

- 10:30 am: **Basic Quantitation of the LV**
N. Schiller
- 10:50 am: **3D/4D Evaluation of LV Function**
S. Little
- 11:10 am: **Basic Evaluation of RV Form and Function**
S. Solomon
- 11:30 am: **LV Systolic Function: Newer Methods (TDI and Strain)**
R. Hahn

10:30 am - 12:00 pm: Diastology for the Sonographer: Making it Understandable

SONOGRAPHER

Ballroom 2

Chair: B. Haluska; Co-Chair: E. Shea

- 10:30 am: **Measurements Needed for the Comprehensive Assessment of Diastolic Function**
E. Shea
- 11:00 am: **Tissue Doppler Waveforms: Does It Tell Us Everything We Need to Know?**
B. Haluska
- 11:20 am: **Discrepancies in the Assessment of Diastolic Function: When the Waveforms Don't Make Sense**
C. Kramer
- 11:40 am: **A Case-Based Approach for the Assessment of Diastolic Function**
J. Kane

10:30 am - 12:00 pm: Essentials of the Vascular Lab

VASCULAR

Ballroom 8

Chair: R. Shugart

- 10:30 am: **Keys to Setting Up a Vascular Lab: Staffing, Equipment and Protocols**
K. Garcia
- 11:00 am: **Keys to a Quality Vascular Lab: Importance of Accreditation**
S. Katanick
- 11:30 am: **Keys to a Financially Successful Vascular Lab**
R. Shugart

Monday, June 14, 2010

12:15 pm - 1:00 pm: Council on Pediatric and Congenital Heart Disease Business Meeting and Awards Presentation

COUNCIL MEETING (NON-CME)

Ballroom 6F

Chair: W. Lai

1:30 pm - 3:00 pm: Two Ventricles versus One Ventricle: Is Two Better than One?

CONGENITAL

Ballroom 6F

Co-Chair(s): W. Border; M. Gewillig

- 1:30 pm:** Critical AS: Update on Risk Factors
W. Border
- 1:50 pm:** Borderline LV Hyperplasia Without AS
M. Cohen
- 2:10 pm:** PA/IVS: When Is the RV Big Enough?
A. Dorfman
- 2:30 pm:** Complex AV Valve Anatomy: Role in Decision Algorithm
I. Parness
- 2:50 pm:** Discussion
W. Border; M. Cohen; A. Dorfman; I. Parness

1:30 pm - 3:00 pm: Prosthetic Heart Valves: Form, Function and Failure

SYMPOSIUM

Ballroom 6C

Chair: W. Zoghbi; Co-Chair: J. Dumesnil

- 1:30 pm:** Prosthetic Valves: The New ASE Guidelines
W. Zoghbi
- 1:45 pm:** Normal Mitral and Aortic Valve Appearance and Function
P. Burgess
- 2:00 pm:** Prosthetic Valve Design: Implications for Flow
P. Pibarot
- 2:15 pm:** The Dysfunctional Aortic Valve - How to Distinguish Patient Prosthesis Mismatch from True Dysfunction
J. Dumesnil
- 2:30 pm:** The Mitral Prosthesis with High Gradients - Panus, Thrombosis or Regurgitation
L. Gillam
- 2:45 pm:** Common and Unusual Pitfalls in the Evaluation of Prosthetic Valves
A. Sagie

1:30 pm - 3:00 pm: Multimodality Imaging in Pericardial Disease: Role in Decision-Making

SYMPOSIUM

Ballroom 6E

Chair: R. Kerber; Co-Chair: A. Tajik

- 1:30 pm:** Spectrum of Pericardial Diseases: Clinical Perspective
I. Kronzon
- 1:45 pm:** Acute and Recurrent Pericarditis
J. Oh
- 2:00 pm:** Pericardial Effusion and Tamponade
J. Seward
- 2:15 pm:** Constrictive Pericarditis
I. Mikati
- 2:30 pm:** MRI/CT Evaluation of Pericardial Disease
A. Patel (Chicago)
- 2:45 pm:** Rare Pericardial Diseases: Absence of Pericardium, Cysts and Tumors
R. Kerber

1:30 pm - 3:00 pm: Adult Congenital Heart Disease (continued)

SYMPOSIUM

Ballroom 6D

Co-Chair(s): M. King; P. Spevak

- 1:30 pm:** Congenitally Corrected TGA
P. Spevak
- 1:45 pm:** Congenital Coronary Anomalies
M. King
- 2:00 pm:** Congenital Tricuspid Valve Disease
M. Quartermain
- 2:15 pm:** Eisenmenger
E. Cetta
- 2:30 pm:** Case Presentation
E. Krieger
- 2:45 pm:** Case Presentation
S. Chandra

1:30 pm - 3:00 pm: Role of Echocardiography and Cardiovascular Imaging in Treatment of Atrial Fibrillation

SYMPOSIUM

Ballroom 5AB

Chair: M. Stoddard; Co-Chair: M. Garcia

- 1:30 pm:** Role of Echocardiography in Pulmonary Vein Ablation
M. Stoddard
- 1:45 pm:** Role of CT/MRI in Pulmonary Vein Ablation
M. Garcia
- 2:00 pm:** Pulmonary Vein Ablation: EP Perspective
B. Knight
- 2:15 pm:** New Clinical Trials of Anticoagulation
M. Ezekowitz
- 2:30 pm:** Case Presentation: Interesting Cases in Atrial Fibrillation: I
H. Yamada
- 2:45 pm:** Case Presentation: Interesting Cases in Atrial Fibrillation: II
K. Chan

Monday, June 14, 2010

1:30 pm - 3:00 pm: Cardiomyopathies

CASE-BASED LEARNING

Ballroom 1AB

Chair: J. Song; Co-Chair: G. Whalley

- 1:30 pm:** Hypereosinophilic Syndrome
K. Maganti
- 1:45 pm:** Cardiac Bechet's Disease
J. Song
- 2:00 pm:** Chagas Disease
C. Monaco
- 2:15 pm:** Takotsubo CM
C. Izumi
- 2:30 pm:** Amyloid Heart Disease
L. Yin
- 2:45 pm:** Apical HCM
I. Melgarejo

1:30 pm - 3:00 pm: Diastolic Function: Pathophysiology, Assessment and New Technology

CORE CURRICULUM

Ballroom 4

Chair: P. Douglas; Co-Chair: M. Umland

- 1:30 pm:** Diastolic Function: Basic Concepts
J. Puthumana
- 1:50 pm:** Obtaining "Restaurant Quality" Spectral and Tissue Doppler Every Time
M. Umland
- 2:10 pm:** Common Mitral E&A and Pulmonary Vein Spectral Patterns
C. Lam
- 2:30 pm:** The Heartbreak of Discrepant Diastolic Data
P. Douglas
- 2:50 pm:** Don't Forget the LA and PA Systolic Pressure
D. Sohn

1:30 pm - 3:00 pm: Pericardial Disease

SONOGRAPHER

Ballroom 2

Chair: R. Palma; Co-Chair: C. Kramer

- 1:30 pm:** Structure and Function of the Normal Pericardium
A. Neumann
- 1:48 pm:** Cardiac Tamponade: Evaluate It...Quickly!
R. Goldman
- 2:06 pm:** Constriction versus Restriction
R. Palma
- 2:24 pm:** Infiltrating the Pericardium: Tumors and Cysts
K. Chadwell
- 2:42 pm:** What's Your Diagnosis? Interesting Case
M. Thykattil

1:30 pm - 3:00 pm: Risk Stratification Testing

VASCULAR

Ballroom 8

Chair: M. Corretti

- 1:30 pm:** Ankle Brachial Index: Is There a Role?
K. Garcia
- 1:53 pm:** Carotid IMT: Technique, Prognosis and Response to Treatment
M. Corretti
- 2:15 pm:** BART: Technique, Prognosis and Response to Treatment
N. Hamburg
- 2:37 pm:** Biomarkers and Integration with Imaging
V. Nambi

1:30 pm - 3:00 pm: Local Society Echo Challenge: Three of a Kind: An Echo Game

SPECIAL SESSION

Ballroom 3

Chair: D. Adams

The Local Society Echo Challenge is back featuring "Three of a Kind: An Echo Game!" This entertaining session, hosted by David B. Adams, RCS, RDCS, FASE, will showcase a variety of diseases in an educational format that will involve audience participation. The attendees will be split into teams and compete against each other for points. Points will be deducted for wrong answers. "Three of a Kind: An Echo Game" will be a lively and educational program! Attendees do not need to be pre-registered to participate.

1:30 pm - 5:15 pm: Echocardiography: A Nursing Focus

NURSE SPECIAL SESSION

Ballroom 9

Moderator(s): D. Orsinelli; M. Bremer; A. Murphy

- 1:30 pm:** Role of the RN in the Echo Lab
A. Murphy
- 1:50 pm:** Cardiac Tamponade
M. Orsinelli
- 2:00 pm:** Echo Pathology of MR and AR
M. Bremer
- 2:20 pm:** Stress Testing: Nuclear versus Echo
D. Orsinelli
- 2:40 pm:** Echo Lab QA
N. Galich
- 3:00 pm - 3:45 pm: Break**
- 3:45 pm:** Echo Pathology of MS and AS
M. Bremer
- 4:05 pm:** Administration of Echo Contrast Agents
N. Galich
- 4:25 pm:** CAD/RWMA Assessment by Echo, Apical Ballooning Syndrome
M. Orsinelli
- 4:45 pm:** Basic Cardiac Pharmacology
D. Orsinelli

Monday, June 14, 2010

3:00 pm - 4:00 pm: Fireside Chat

CONGENITAL (NON-CME)

Ballroom 6F

Co-Chair(s): I. Parness; R. Van Praagh

3:45 pm - 5:15 pm: Speckle Tracking Imaging: Utility and Value (Joint JSE session)

SYMPOSIUM

Ballroom 6C

Chair: K. Yoshida; Co-Chair: M. Garcia

- 3:45 pm: **What is Speckle Tracking Imaging?**
R. Hahn
- 4:00 pm: **Assessment of LV Function by 2D and 3D Speckle Tracking**
Y. Seo
- 4:15 pm: **Myocardial Relaxation in Subepicardial and Subendocardial Layers - Clinical Implications**
S. Nakatani
- 4:30 pm: **Comparison of Speckle Tracking with Other Imaging Modalities**
M. Garcia
- 4:45 pm: **Who Should Undergo Speckle Tracking Imaging?**
C. Miyazaki
- 5:00 pm: **LV Volume and Mass Calculation Using 3D Speckle Tracking**
V. Mor-Avi

3:45 pm - 5:15 pm: Clinical Challenges of Prosthetic Valves

SYMPOSIUM

Ballroom 6E

Co-Chair(s): S. Goldstein; P. Pibarot

- 3:45 pm: **Pathologic Obstruction versus Patient Prosthesis Mismatch of the Aortic Valve**
P. Pibarot
- 4:00 pm: **Doppler Pitfalls (Influence of Valve Type, CO, Regurgitation and LVH)**
J. Dumesnil
- 4:15 pm: **Physiologic Leaks versus Valve Dysfunction**
M. Stoddard
- 4:30 pm: **Prosthetic Valve Endocarditis**
K. Chan
- 4:45 pm: **Prosthetic Valve Thrombosis**
S. Goldstein
- 5:00 pm: **Valve Dysfunction Coming Off Pump**
S. Tamin

3:45 pm - 5:15 pm: Valve Stenosis: ASE/EAE Guidelines

SYMPOSIUM

Ballroom 6D

Co-Chair(s): F. Flachskampf; J. Hung

- 3:45 pm: **How to Incorporate the New EAE and ASE Valve Stenosis Guidelines in Your Lab**
F. Flachskampf
- 4:00 pm: **Grading Aortic Stenosis**
C. Otto
- 4:15 pm: **The Role of Stress Testing in Valve Stenosis**
P. Lancellotti
- 4:30 pm: **Will 3D Change the Approach of Valvular Stenosis Assessment?**
J. Zamorano
- 4:45 pm: **Low Gradient Aortic Stenosis**
J. Hung
- 5:00 pm: **Case Presentation: Stress Testing in Mitral Stenosis**
S. Kort

3:45 pm - 5:15 pm: Multimodality Imaging in Ischemic Heart Disease

SYMPOSIUM

Ballroom 5AB

Chair: J. Lindner; Co-Chair: P. Ward

- 3:45 pm: **Contractile Reserve: A Tried and True Technique**
G. Restrepo
- 4:00 pm: **Go with the Flow: Perfusion Imaging - The Nuclear Perspective**
P. Ward
- 4:15 pm: **Go with the Flow: Perfusion Imaging - The Echo Perspective**
J. Lindner
- 4:30 pm: **Go with the Flow: The MR/CT Perspective**
A. Patel (Chicago)
- 4:45 pm: **Anatomic Severity is What Matters the Most**
N. Weissman
- 5:00 pm: **Case Presentation: Contrast Echo Perfusion**
K. Wei

3:45 pm - 5:15 pm: The Repaired Congenital Patient for the Non-Expert: What Problems Should I Anticipate?

CASE-BASED LEARNING

Ballroom 1AB

Chair: M. Lemler; Co-Chair: R. Pignatelli

- 3:45 pm: **The Imaging Approach**
R. Eapen
- 4:00 pm: **Tetralogy of Fallot**
K. Stout
- 4:15 pm: **AV Canal Defect**
L. Brown
- 4:30 pm: **Transposition of the Great Arteries**
J. Child
- 4:45 pm: **Fontans and Baffles**
M. Puchalski
- 5:00 pm: **Coarctation**
M. Lemler

Monday, June 14, 2010

3:45 pm - 5:15 pm: Pericardial Disease: Theory and Case Studies in Cardiac Tamponade and Constrictive Pericarditis

CORE CURRICULUM

Ballroom 4

Chair: M. Keane; Co-Chair: M. Makan

- 3:45 pm: **What Constitutes a Complete Examination for Suspected Pericardial Disease?**
M. Keane
- 4:00 pm: **Cardiac Tamponade: Pathophysiology and Role of Echo-Doppler**
F. Miller
- 4:15 pm: **Constrictive Pericarditis: Doppler Assessment**
C. Kramer
- 4:30 pm: **What Information Does the Sonographer Need to Obtain When Pericardial Disease is Suspected?**
D. Augustine
- 4:45 pm: **Unusual Pericardial Disease Cases: I**
N. Nanda
- 5:00 pm: **Unusual Pericardial Disease Cases: II**
B. Khandheria

3:45 pm - 5:15 pm: Utilization of Contrast: What is Important for the Sonographer

SONOGRAPHER

Ballroom 2

Chair: K. Maganti; Co-Chair: M. Strachan

- 3:45 pm: **Safety Data and Contrast Guidelines for 2010**
K. Maganti
- 4:03 pm: **How to Get the Best Image: Machine Setup, Delivery and Image Optimization**
S. Sarson
- 4:21 pm: **Contrast and Stress Echo**
H. Pollard
- 4:39 pm: **Pearls and Pitfalls: Cases Using Contrast**
M. Strachan
- 4:57 pm: **Contrast Use Beyond LV Opacification**
K. Chadwell

3:45 pm - 5:15 pm: Aortic, Renal and Mesenteric Arterial Disease

VASCULAR

Ballroom 8

Chair: W. Chi

- 3:45 pm: **Renal Duplex: Use in Renal Artery Stenosis and Renal Stenting**
W. Chi
- 4:07 pm: **Aortic Duplex: Use for AAA Diagnoses and Management including Post EVAR**
M. Park
- 4:30 pm: **Mesenteric Arterial Duplex: Use for Chronic Mesenteric Ischemia**
S. Kim
- 4:53 pm: **Use of Contrast for Abdominal or Visceral Vascular Imaging**
P. Bendick

4:15 pm - 5:45 pm: Pediatric Oral Abstracts

CONGENITAL

Ballroom 6F

Co-Chair(s): L. Lopez; M. Lewin

- 4:15 pm: **PE-01: The Reproducibility of Echocardiographic Measurements of LV Size and Function in Children with Dilated Cardiomyopathy is Dependent upon the Algorithm Utilized: A Report from the Ventricular Volume Variability Study of the Pediatric Heart Network**
R. Margossian
- 4:30 pm: **PE-02: The Impact of Beat-Averaging and Disease Severity on the Reproducibility of Echocardiographic Measurements in Children with Dilated Cardiomyopathy: A Report from the Ventricular Volume Variability Study of the Pediatric Heart Network**
G. Shirali
- 4:45 pm: **PE-03: Evaluating the Relationship between Myocardial Function and Volume Loading Across Staged Palliative Surgery in the Single Ventricle**
E. Tham
- 5:00 pm: **PE-04: Echocardiographic Predictors of Left Ventricular Dysfunction after Aortic Valve Surgery in Children with Chronic Aortic Regurgitation**
S. Tierney
- 5:15 pm: **PE-05: Effect of Continuous Biventricular Pacing on Left Ventricular Mechanical Dyssynchrony and Cardiac Index in Infants <4 Months of Age after Surgery for Biventricular Congenital Heart Disease**
M. Friedberg
- 5:30 pm: **PE-06: Longitudinal Systolic Displacement Indices of Right Ventricular Systolic Function in Hypoplastic Left Heart**
D. Roberson

5:30 pm - 7:30 pm: Who Wants to be an Echo Millionaire?

GAME SHOW

Ballroom 6AB

Host: R. Martin; Judge(s): R. Lang; A. Woo; H. Rakowski

Legends: J. Oh; M. Vannan; P. Knoll

Legends in the Making: M. Wood; J. Lindner; M. Strachan



Legends in the Making were the ASE 2009 "Who Wants to be an Echo Millionaire" Game Show winners. Congratulations Jeffrey Hill, BS, RDCS, FASE; Judy Hung, MD, FASE; and Steven Lester, MD, FASE!

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Saturday, June 12 9:30 am - 2:00 pm located across from the ASE Registration Counter
Sunday, June 13 10:15 am - 7:00 pm ASE Headquarters booth #501
Monday, June 14 9:15 am - 4:45 pm ASE Headquarters booth #501
Tuesday, June 15 9:30 am - 2:30 pm ASE Headquarters booth #501

Are you aware that ASE offers educational products to help you improve your practice? A wide array of products are available for purchase every day. Save time and money by purchasing your products at the ASE 2010 Scientific Sessions.



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Heart & Circulation Ultrasound Specialists

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Accepted abstracts are published in a top-ranked cardiovascular journal,
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Experts in cardiovascular research will see your science, and
selected moderated posters will receive special sessions advertised
in the conference's Exhibition & Abstracts Catalog.

Support

Travel stipends are available for qualified candidates and all selected abstract
presenters are given low conference registration rates

Submission opens Fall 2010.

See www.asescientificsessions.org for submission details.



ASE 2011

Tuesday Exhibit Highlights

Moderated Abstracts Session 4

3D Echocardiography

9:30 am - 10:00 am
Expo Theatre 1

Moderated Abstracts Session 5

Mitral Valve Disease

12:00 pm - 1:30 pm
Expo Theatre 1

Moderated Abstracts Session 6

Echocardiographic Evaluation of Systemic Diseases

12:15 pm - 1:00 pm
Expo Theatre 2

ASE Members Only Coding and Reimbursement Sessions

Visit ASE booth #501 to sign up for individualized question and answer sessions with Judy Rosenbloom, RDCS, FASE, ASE's coding and reimbursement specialist.

15-minute appointments are available during the following times: 11:00 am; 11:15 am; 11:30 am; 11:45 am; 12:00 pm; 12:15 pm; 12:30 pm; and 12:45 pm.

New in 2010! Imaging Village

The following sessions are non-CME. Please see the *Exhibition & Abstracts Catalog* for detailed information (including topics and faculty) on sessions taking place in the Imaging Village.

9:30 am - 9:45 am Small Group Demonstration – TomTec Imaging Systems: *“20 Years of Innovations in Cardiac Applications”*

9:45 am - 10:00 am Small Group Demonstration – TomTec Imaging Systems: *“Availability of Cardiac Information in the Hospital - the Past, the Present and the Future”*

Last chance to visit the Exhibit & Poster Hall featuring the Imaging Village, purchase products at ASE's booth #501 or check out ASE 2010 abstracts!

ASE would like to thank the following for their support of the ASE 2010 Imaging Village:

GE Healthcare
Lantheus Medical Imaging
Philips Ultrasound
SIEMENS Healthcare
TomTec Imaging Systems
Toshiba America Medical Systems

Tuesday Program Highlights

How Do I Get Published? An Insider's Look at JASE

7:00 am - 8:00 am in *Ballroom 8*

(Non-CME) Meet with JASE Editor in Chief Alan Pearlman to ask your questions or share your thoughts about ASE's journal.

ASE/ACC Advocacy Collaboration Special Session:

**Evolving Models of Cardiovascular Practice:
How to Transform and Thrive, Not Just Survive**

7:00 am - 9:00 am in *Ballroom 1AB*

(Non-CME) Discover the best way to optimize your practice and thrive in this rapidly changing healthcare reform and economic environment. Learn about various practice alignments and integration models. This session will help physician or practice administrators making decisions on the future direction of their practices to determine the best type of integration model for them.

The Great Debate

8:00 am - 9:30 am in *Ballroom 6AB*

Two gripping debates on two controversial subjects. Joseph Kisslo, MD, FASE will take on James Thomas, MD on the subject of multimodality imaging and why "Echo will Remain the Center of a Multi-modality Lab" instead of "Echo will be Marginalized to Discrete Indications in a Multimodality World." Parker Ward, MD will fight for "Appropriateness Criteria: Valuable" while Natesa Pandian, MD will prove "Appropriateness Criteria: Just Another Advocacy Gimmick."

Legends Stumping Other Legends

10:00 am - 11:00 am in *Ballroom 6AB*

This session features Liv Hatle, MD, FASE, one of the celebrated legends whose monumental contributions to the practice of cardiovascular ultrasound are reflected in each patient Doppler exam. Don't miss Dr. Hatle; Harvey Feigenbaum, MD, FASE; Fausto Pinto, MD, PhD; Anthony DeMaria, MD, FASE; Alan Pearlman, MD, FASE; Steven Goldstein, MD; A. Jamil Tajik, MD; and Randolph Martin, MD, FASE as they try to stump one another.

ASE 2010 Scientific Sessions Wrap-Up

11:00 am - 12:00 pm in *Ballroom 6AB*

Molecular Imaging and Mice: Future Directions

1:00 pm - 2:30 pm in *Ballroom 9*

A two-part session that consist of didactic talk presentations and how-to stations.

How To Sessions

1:30 pm - 3:00 pm

(See page 54-55 for session location and details.)

- Evaluate Ventricular Assist Devices
- Assessment of Dysynchrony and Device Optimization
- How to Manage an Echo Lab in a Changing Environment
- Help Your Surgeon Plan for Mitral Valve Surgery
- Improve Teaching in Your Echo Lab

Claiming Continuing Education Credit

Certificates for CME/CEU credit are available on site using our computerized certificate request system. All professional registrants may use the computers at the CME/CEU Counter located on the ground level of the San Diego Convention Center across from the ASE Registration Counter. To obtain a certificate, you must log on using your name as it appears on your ASE Scientific Sessions name badge. Credit should be claimed one time only on your final day of participation, and should not be applied for on a daily basis. Separate certificates will not be issued for your attendance of ticketed sessions, and as such, hours from the Cardiovascular Sonographer Registry Review, Exam Prep and Monday's Ticketed Breakfast Sessions should be included in your credit hours. CME/CEU's are based on an honor system and credits claimed should only reflect the extent of your participation in the meeting. Credit gained at the annual meeting will be compiled in ASE's membership database and will be tracked to allow members future access to this information.



Tuesday Committee Meetings

Committee meetings will be held at the San Diego Marriott Hotel and Marina (Marriott) or on the mezzanine level of the San Diego Convention Center (CC).

7:00 am - 9:00 am.....	Scientific Sessions Program Committee Meeting	CC/15B
8:00 am - 9:30 am.....	Myocardial Dynamics Writing Group Meeting	CC/13
9:30 am - 11:00 am.....	ContrastZone Taskforce Meeting.....	CC/15A
11:00 am - 12:30 pm	Echo-Guided Interventions II Writing Group Meeting.....	CC/13

Registration Open 6:30 am – 3:30 pm

Ground level of the San Diego Convention Center
outside Exhibit Hall B1

Exhibit & Poster Hall 9:30 am – 2:30 pm

Ground level of the San Diego Convention Center
in Exhibit Hall B1

7:00 am - 8:00 am: How Do I Get Published?

An Insider's Look at JASE

SPECIAL SESSION (NON-CME)

Ballroom 8

Moderator: A. Pearlman

7:00 am - 8:00 am: Sonographer Special Session: Professional Growth and Development

SONOGRAPHER

Ballroom 2

Chair(s): P. Knoll; M. McCulloch

7:00 am: Accreditation: What's in it for Me?
S. Witt

7:15 am: Starting IV's: Expanding Your Skill Set
M. Bremer

7:30 am: Injecting Contrast
P. Burgess

7:45 am: Advance Practice Sonography
C. Mitchell

7:00 am - 8:30 am: Accreditation ... Something Old, Something New, Something Borrowed and Something Blue

SPECIAL SESSION

Ballroom 4

Moderator(s): S. Katanick; B. Gorman

7:00 am – 9:00 am: ASE/ACC Advocacy Collaboration Special Session

Evolving Models of Cardiovascular Practice:
How to Transform and Thrive, Not Just Survive

Ballroom 1AB

Moderator: P. Douglas

Panelist(s): G. Lancaster; D. Millman; R. Rigling

(Non-CME) Discover the best way to optimize your practice and thrive in this rapidly changing healthcare reform and economic environment. Learn about various practice alignments and integration models. This session is for any physician or practice administrator making decisions on the future direction of their practice. This session will help them determine the best type of integration model, if any, for them.

8:00 am - 9:30 am: Controversies in Pediatric Echocardiography

CONGENITAL

Ballroom 6F

Co-Chair(s): M. Puchalski; M. Brook

8:00 am: Prenatal Diagnosis of CHD Changes Outcome - Pro
P. Barker

8:15 am: Prenatal Diagnosis of CHD Changes Outcome - Con
A. Grady

**8:30 am: All High School Athletes Should Have a Screening
Echocardiogram - Pro**
B. Eidem

**8:45 am: All High School Athletes Should Have a Screening
Echocardiogram - Con**
T. Kimball

**9:00 am: We Are Intervening Too Late in Asymptomatic Patients
with Severe PR and RV Dilation after TOF Repair - Pro**
T. Geva

**9:15 am: We Are Intervening Too Late in Asymptomatic Patients
with Severe PR and RV Dilation after TOF Repair - Con**
P. Frommelt

8:00 am - 9:30 am: The Great Debate

PLENARY

Ballroom 6AB

Chair: R. Martin; Co-Chair: H. Rakowski

**8:00 am: Debate Side 1: Multimodality Imaging: Echo will
Remain the Center of a Multimodality Lab**
J. Kisslo

**8:15 am: Debate Side 2: Multimodality Imaging: Echo
will be Marginalized to Discrete Indications in a
Multimodality World**
J. Thomas

8:30 am: Rebuttal
J. Kisslo

8:37 am: Rebuttal
J. Thomas

8:45 am: Debate Side 1: Appropriateness Criteria: Valuable
P. Ward

**9:00 am: Debate Side 2: Appropriateness Criteria: Just Another
Advocacy Gimmick**
N. Pandian

9:15 am: Rebuttal
P. Ward

9:22 am: Rebuttal
N. Pandian

Tuesday, June 15, 2010

10:00 am - 11:00 am: Legends Stumping Other Legends

PLENARY

Ballroom 6AB

Chair: A. Tajik; Co-Chair: R. Martin

Moderator(s): H. Feigenbaum; S. Goldstein; F. Pinto; A. DeMaria; A. Pearlman; L. Hatle

- 10:00 am: **Case Presentation**
H. Feigenbaum
- 10:10 am: **Case Presentation**
S. Goldstein
- 10:20 am: **Case Presentation**
F. Pinto
- 10:30 am: **Case Presentation**
A. DeMaria
- 10:40 am: **Case Presentation**
A. Pearlman
- 10:50 am: **Case Presentation**
L. Hatle

10:00 am - 11:15: Pediatric Echocardiography Case Presentations

CONGENITAL

Ballroom 6F

Panelist(s): P. Spevak; G. Ensing; T. Geva

Case presenter(s):

- Timothy Slesnick, MD - Texas Children's Hospital, Houston, TX
- Elena Kwon, MD - Children's Hospital of Wisconsin, Milwaukee, WI
- Sonal Owens, MD - Mott Children's Hospital, Ann Arbor, MI
- Shabnam Peyvandi, MD - Children's Hospital of Philadelphia, Philadelphia, PA
- Sarah Chambers, MD - Children's Hospital of New York, New York, NY
- Jimmy Lu, MD - Mott Children's Hospital, Ann Arbor, MI
- Stacy Meredith, RDCS - Cincinnati Children's Hospital, Cincinnati, OH

11:00 am - 12:00 pm: ASE 2010 Scientific Sessions Wrap-Up

PLENARY

Ballroom 6AB

Chair(s): V. Rigolin; S. Wiegers

- 11:00 am: **Ischemic Stress Echo Disease**
S. Wiegers
- 11:10 am: **Ventricular Function Assessment: Systolic/Diastolic**
A. Klein
- 11:20 am: **Contrast/Vascular Disease**
J. Lindner
- 11:30 am: **Valve Disease**
C. Otto
- 11:40 am: **3D Echo**
L. Sugeng
- 11:50 am: **Congenital**
L. Lopez

12:15 pm - 1:30 pm: Panel on Academic Pediatric Echocardiography: How to Promote, Develop and Maintain in this Era of Increased Clinical Demands

CONGENITAL

Ballroom 6F

Moderator: P. Frommelt

Speaker(s): M. Cohen; L. Mertens; W. Lai; T. Kimball

1:00 pm - 2:30 pm: Molecular Imaging and Mice: Future Directions

HOW TO

Ballroom 9

Chair(s): M. Scherrer-Crosbie; J. Lindner

- 1:00 pm: **Mouse Models and Mouse Echocardiography; Techniques, Advantages and Limitations**
B. Hoit
- 1:12 pm: **Questions**
- 1:15 pm: **Mouse Approaches to Ventricular Remodeling and Metabolism**
M. Scherrer-Crosbie
- 1:27 pm: **Questions**
- 1:30 pm: **Imaging Inflammation in Cardiovascular Disease - Bridges between Mice and Men**
J. Lindner
- 1:42 pm: **Questions**
- 1:45 pm: **How to Station: Myocardial Structure and Function**
I. Sebag; M. Scherrer-Crosbie
- How to Station: Myocardial Perfusion**
B. Cotter
- How to Station: Labeled Microbubbles**
J. Lindner

1:30 pm - 3:00 pm: Frontiers in Pediatric Echocardiography

CONGENITAL

Ballroom 6F

Co-Chair(s): E. Alboliras; C. Fleishman

- 1:30 pm: **Mechanical Dysynchrony and Myocardial Function: Which is the Chicken and Which is the Egg?**
M. Friedberg
- 1:50 pm: **IV Twist and Torsion: How is the Child Different from the Adult and Why is It Important?**
L. Mertens
- 2:10 pm: **Fusion Imaging Technology: Ready for Prime Time?**
C. Fleishman
- 2:30 pm: **Multicenter Studies and Echocardiography: Challenges and Results from the Pediatric Heart Network**
S. Colan

1:30 pm - 3:00 pm: Evaluate Ventricular Assist Devices

HOW TO

Ballroom 4

Chair: O. Kwan; Co-Chair: D. Orsinelli

- 1:30 pm:** An Overview of Assist Devices and the Total Artificial Heart
J. Kirkpatrick
- 1:50 pm:** Complications and Device Failures
E. Velazquez
- 2:10 pm:** Weaning Parameters - How Can Echo Help?
D. Orsinelli
- 2:30 pm:** Optimization of the Biventricular Pacemaker
R. Marcus
- 2:50 pm:** Discussion
J. Kirkpatrick; E. Velazquez; D. Orsinelli; R. Marcus

1:30 pm - 3:00 pm: Assessment of Dysynchrony and Device Optimization

HOW TO

Ballroom 8

Chair: R. Grimm; Co-Chair: D. Agler

- 1:30 pm:** Dysynchrony Screening: Conventional Markers
R. Grimm
- 2:00 pm:** Dysynchrony Screening: New Markers
F. Asch
- 2:30 pm:** Post-Device Optimization: Case Examples
D. Agler

1:30 pm - 3:00 pm: How to Manage an Echo Lab in a Changing Environment

HOW TO

Ballroom 1AB

Chair: A. Pearlman; Co-Chair: M. Picard

- 1:30 pm:** How to Apply Appropriateness Criteria in Your Lab
M. Picard
- 2:00 pm:** How to Do QA and CQI
M. Bremer
- 2:30 pm:** How to Be Sure that You Get What You Have Earned
J. Rosenbloom

1:30 pm - 3:00 pm: Help Your Surgeon Plan for Mitral Valve Surgery

HOW TO

Ballroom 5B

Chair(s): S. Chua; F. Silvestry

- 1:30 pm:** Mitral Valve Anatomy - Normal Valve
I. Kronzon
- 2:00 pm:** Anatomic Pathology and Percutaneous Approaches
F. Silvestry
- 2:30 pm:** What the Surgeon Needs - Cases
R. Bansal

1:30 pm - 3:00 pm: Improve Teaching in Your Echo Lab

HOW TO

Ballroom 2

Chair: J. Marshall; Co-Chair: D. Carney

- 1:30 pm:** Certification Requirements
D. Carney
- 2:00 pm:** Resources for Education
K. Kurrelmeyer
- 2:30 pm:** To Scan or Not to Scan
R. Palma

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*We look forward to seeing you next year
in Montréal, Quebec, Canada.*

SAVE THE DATES!

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It is the policy of ASE to ensure balance, independence, objectivity and scientific rigor in all of its educational activities. All speakers at the 21st Annual Scientific Sessions have agreed to the following:

- The information presented to the learner will be unbiased, scientifically balanced and based on best available evidence and best practices in medicine.
- All reasonable clinical alternatives will be presented when making practice recommendations.
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- To disclose to the audience when products/services are not labeled for the use under discussion or when the products are still under investigation.
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In accordance with this policy and the ACCME, all presenters have indicated whether or not they and/or their spouse/significant other have a relationship with a commercial interest which, in the context of their presentation, may be perceived by the audience as a real or apparent conflict of interest (e.g. ownership of stock, research grant, etc.). The ACCME defines a commercial interest as any proprietary entity producing healthcare goods or services consumed by, or used on patients, with an exception of nonprofit or government organizations and non healthcare related companies. The ACCME does not consider providers of clinical services directly to patients to be a commercial interest.

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4. Research Grant (including grants in which you are listed as PI)
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6. Royalty, Patents

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Committee meetings will be held at the San Diego Marriott Hotel and Marina (Marriott) or on the mezzanine level of the San Diego Convention Center (CC).

Friday, June 11, 2010

11:30 am - 1:00 pm	ASE/ASEF New Board Members Orientation Meeting (Invitation Only)	Marriott/Marina D
1:15 pm - 5:30 pm	ASE/ASEF Board of Directors Meeting	Marriott/Marina D
5:30 pm - 5:45 pm	ASE/ASEF Board of Directors Picture	Marriott/Marina C

Saturday, June 12, 2010

7:30 am - 9:00 am	ASE Leadership Training (Invitation only; committee chairs and new committee members.)	Marriott/Oceanside
8:00 am - 10:00 am	JASE Editorial Review Board Meeting	Marriott/Marina D
10:00 am - 12:00 pm	Publications Committee Meeting	Marriott/Encinitas
10:00 am - 12:00 pm	Council on Cardiac Sonography Board Meeting	Marriott/Pacific
11:30 am - 1:00 pm	Guidelines and Standards Committee Meeting	Marriott/Cardiff
12:00 pm - 2:00 pm	Membership Steering Meeting	Marriott/Del Mar
12:30 pm - 1:30 pm	Nominating Committee Meeting	Marriott/Pacific
12:30 pm - 2:00 pm	Public Relations Committee Meeting	Marriott/Oceanside
1:00 pm - 2:00 pm	International Relations Taskforce	CC/13
3:00 pm - 5:00 pm	Educational Products Taskforce Meeting	Marriott/Del Mar
3:00 pm - 5:00 pm	Council on Vascular Ultrasound Board Meeting	Marriott/Oceanside
4:00 pm - 5:00 pm	History Committee Meeting	Marriott/Pacific

Sunday, June 13, 2010

8:30 am - 10:00 am	FASE Committee Meeting	CC/15B
10:00 am - 12:00 pm	ACCME Committee Meeting	CC/14A
12:30 pm - 2:30 pm	Extra-Mural Research Committee Meeting	CC/15B
1:00 pm - 3:00 pm	Council on Intraoperative Ultrasound Board Meeting	CC/14B
2:00 pm - 3:30 pm	Foundation Campaign II Taskforce Meeting	CC/14A
3:30 pm - 5:30 pm	Research Committee Meeting	CC/15B
4:00 pm - 6:00 pm	Advocacy Committee Meeting	CC/14B

Monday, June 14, 2010

10:00 am - 12:00 pm	Information Technology Committee Meeting	CC/15B
10:00 am - 11:30 am	Education Committee Meeting	CC/14A
12:15 pm - 2:00 pm	Bylaws and Ethics Committee Meeting	CC/14B
2:00 pm - 4:00 pm	Finance, Strategy and Development Committee Meeting	CC/14A

Tuesday, June 15, 2010

7:00 am - 9:00 am	Scientific Sessions Program Committee Meeting	CC/15B
8:00 am - 9:30 am	Myocardial Dynamics Writing Group Meeting	CC/13
9:30 am - 11:00 am	ContrastZone Taskforce Meeting	CC/15A
11:00 am - 12:30 pm	Echo-Guided Interventions II Writing Group Meeting	CC/13

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The ASE Foundation provides support for education, research and quality improvement, helping drive ASE's ongoing mission to serve its members and the larger community of healthcare providers and patients for whom cardiovascular ultrasound is essential.

Through these individuals' foresight and leadership, the ASE Foundation is helping to support the future of cardiovascular ultrasound. You can join these members and become a supporter of the ASE Foundation by donating online at www.asefoundation.org. Your contribution will help ensure that echocardiography continues to play a prominent role in the future of healthcare. All contributions are tax deductible as charitable gifts, and may be directed to projects most aligned with your personal priorities if desired. Past donations have supported ASE research grants, sonographer and trainee travel grants, and select charitable donations including alleviating dues for member's who were Hurricane Katrina victims, and supporting Doctors without Borders work in Haiti.

Learning Lab donations are being secured to establish small-group learning center opportunities that focus on hands-on classes with expert faculty. ASE's ultimate goal is to build a learning center at the ASE headquarters in North Carolina to conduct multiple and ongoing activities related to cardiovascular education.

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To view a comprehensive list of FASE, please visit our searchable database on www.SeeMyHeart.org. The following are NEW Fellows of the American Society of Echocardiography, who have been awarded FASE since March, 2009.

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Upcoming FASE application deadlines:

September 1, 2010; December 1, 2010;

March 1, 2011; June 1, 2011

New 2009 FASE Recipients

(NEW FASE members from the March, June, September and December 2009 cycles. For a complete list go to www.SeeMyHeart.org. For information on applying for FASE, go to www.asecho.org or stop by ASE Headquarter's booth #501.)

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Heart Valve Summit 2010: Medical, Surgical, and Interventional Decision Making

October 7-9, 2010
Chicago Marriott Downtown
Magnificent Mile,
Chicago, IL

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ePIC: Excellence in the Practice of Cardiovascular Ultrasound

October 7-10, 2010
Rancho Las Palmas Hotel,
Rancho Mirage, CA
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ASE 2010 Vascular Imaging Symposium: Vascular Techniques and Interpretation

October 9, 2010
The Hub Cira Centre,
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Echo Northwestern 2010

October 16-18, 2010
Northwestern Memorial
Hospital,
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Computer-Based Learning in Echocardiography: Incorporating New Technology into Contemporary Clinical Practice

November 5-6, 2010
ASE Foundation Learning Lab,
Research Triangle Park, NC
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21st Annual Echo Hawaii

January 24-28, 2011
Hapuna Beach Prince Hotel,
Kohala Coast, Big Island, HI
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24th Annual State-of-the- Art Echocardiography

Preconference
February 12 – 13, 2011
Main Conference
February 13 – 16, 2011
InterContinental Montelucia,
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E3 2011 - Essential Echocardiography with Experts: Congenital Heart Disease

April 2, 2011
New Orleans, LA
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ASE 22nd Annual Scientific Sessions

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31 May 2010
Early Fee Registration
30 September 2010
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31 October 2010

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