



FINAL PROGRAM



ASE 2011

**PALAIS DES CONGRES DE MONTREAL,
MONTREAL, QUEBEC, CANADA | JUNE 11-14, 2011**

**AMERICAN SOCIETY OF ECHOCARDIOGRAPHY
22ND ANNUAL SCIENTIFIC SESSIONS**

The Patient and the Image: The Role of Cardiovascular Ultrasound in Clinical Decision Making

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For technically difficult patients^{1,2}...

Add **DEFINITY**[®] For a Significant Advantage^{1,3}



Example: DEFINITY[®] Echo

- **Improves visualization in a variety of clinical situations^{1,2}**
 - When ≥ 2 contiguous LV segments cannot be visualized, per 2011 Appropriate Use Criteria for Echocardiography⁴
- **A proven safety profile^{3,5,6}...administered to over 2.6 million patients⁷**
- **A diagnostic solution for technically difficult patients^{1,2}**
 - Enables improved patient management decisions
- **ACC, ASE, and ICAEL guidelines concur: contrast should be used when appropriate^{2,4,8}**

DEFINITY[®]

VIAL
FOR (Perflutren Lipid Microsphere)
INJECTABLE SUSPENSION

www.definityimaging.com

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 postmarketing 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 accompanying brief summary including boxed WARNING regarding serious cardiopulmonary reactions.

References: 1. Kurt M, Shaikh KA, Peterson L, et al. Impact of contrast echocardiography on evaluation of ventricular function and clinical management in a large prospective cohort. *J Am Coll Cardiol.* 2009;53(9):802-810. 2. Mulvagh SL, Rakowski H, Vannan MA, et al. American Society of Echocardiography consensus statement on the clinical applications of ultrasonic contrast agents in echocardiography. *J Am Soc Echocardiogr.* 2008;21(11):1179-1201. 3. Kitzman DW, Goldman ME, Gillam LD, Cohan JL, Aurigemma GP, Gottdiener JS. 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(6):669-674. 4. Douglas PS, Garcia MJ, Haines DE, et al. ACCF/AHA/ASNC/HFSA/HRS/SCAI/SCCM/SCCT/SCMR 2011 appropriate use criteria for echocardiography [published online ahead of print November 19, 2010]. *J Am Coll Cardiol.* doi:10.1016/j.jacc.2010.11.002. 5. Nucifora G, Marsan NA, Siebelink H-M J, et al. Safety of contrast-enhanced echocardiography within 24 h after acute myocardial infarction. *Eur J Echocardiogr.* 2008;9(6):816-818. 6. Data on file, Lantheus Medical Imaging, Inc. 7. ©2010 AMR/Arlington Medical Resources, Inc. All rights reserved. Reproduction, distribution, transmission or publication is prohibited. Reprinted with permission. 8. *The Complete 2010 ICAEL Standards for Accreditation in Adult Echocardiography Testing: Parts I Through IV.* Intersocietal Commission for the Accreditation of Echocardiography Laboratories. [http://www.icanl.org/icael/standards/ICAEL_2010_Standards%20\(Adult%20Echo\).pdf](http://www.icanl.org/icael/standards/ICAEL_2010_Standards%20(Adult%20Echo).pdf). June 2010. Accessed September 28, 2010.

People depicted are models being used for illustrative purposes only.

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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, hypertonic 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 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®:

1) bacterial mutagenesis assay (Ames assay), 2) *in vitro* mammalian mutagenesis assay, 3) *in vitro* human lymphocyte chromosome aberration assay, and 4) *in vivo* rat micronucleus assay.

Impairment of male or female fertility was not observed in rats and rabbits treated with activated DEFINITY® 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, 19 (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 or 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	n	(%)
Application Site Disorders	11	(0.6)
Injection Site Reactions	11	(0.6)
Body as a Whole	41	(2.4)
Back/renal pain	20	(1.2)
Chest pain	13	(0.8)
Central and peripheral nervous system disorder	54	(3.1)
Headache	40	(2.3)
Dizziness	11	(0.6)
Gastrointestinal system	31	(1.8)
Nausea	17	(1.0)
Vascular (extracardiac) disorders	19	(1.1)
Flushing	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, hypertension, vertigo and paresthesia
 Platelet, 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 Intellipin™ (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



331 Treble Cove Road
N. Billerica, Massachusetts 01862 USA

For ordering, tel. toll free: 800-299-3431
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(For Massachusetts and International, call 978-667-9531)

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WELCOME MESSAGE

Bienvenue à Montréal! Our international and unique setting for the American Society of Echocardiography (ASE)'s 22nd Annual Scientific Sessions sets the stage for an exciting meeting that promises education, stimulation and connection. This year's theme is "The Patient and the Image: The Role of Cardiovascular Ultrasound in Clinical Decision Making" and ASE is highlighting the importance of cardiac ultrasound in diagnosis and treatment.

Of course, no current discussion of patient care would be complete without considering the implications of healthcare reform in the United States. ASE is fortunate to be able to bring you an expert on this topic. On Sunday, June 12 at 5:15 pm, Dr. Howard Dean, MD will present this year's Edler Lecture "Healthcare Reform: What It Means to Patients as Well as Physicians." Dr. Dean's lecture will examine the need for choice in healthcare reform. With healthcare costs rising over the last 30 years at two to three times the rate of inflation, a rate that is far higher than that of any other system in the world, reform is needed. Dr. Dean has served as DNC chairman, a presidential candidate, a six-term governor of Vermont and is currently working as an independent consultant focusing on the areas of healthcare, early childhood development, alternative energy and the expansion of grassroots politics around the world.

In honor of our location in the bilingual province of Quebec, Saturday features an all-day program entirely in French. Speakers from all over the Francophile world will present sessions on a variety of cardiovascular ultrasound topics, including a session dedicated to assessing the right ventricle, held in conjunction with Jewish General Hospital-McGill University of Montreal.

Montreal is a beautiful city combining the romantic aspects of European charm and the modernity of a North American metropolis. Montreal is known for its superb cuisine, vibrant nightlife, festivals, cultural diversity and that special "joie de vivre." Be sure to set aside some time to enjoy the many tourist attractions Montreal has to offer. Take a stroll down the cobble-stoned streets of Montreal's Old Port (Vieux Port de Montreal) and stop in at the Bonsecours Market, one of Canada's finest heritage buildings. Bring your running shoes for an early morning jog on Mount Royal and enjoy a breathtaking view of the city. Stop in at one of the many sidewalk cafés for a delicious cup of morning coffee. The Palais des Congrès is located in the heart of downtown Montreal, where the city's main attractions converge. Fine dining, the shopping and entertainment districts, Chinatown and Old Montreal are all walking distance from the convention center.

Educational sessions target a range of expertise, from the beginner to the expert. We are proud to premiere the new Extreme Echo track. This new element highlights the most advanced echocardiography, research and hot topics and has been designed specifically for the expert practitioner. Extreme Echo is most appropriate for those who have a deep understanding of the science of echocardiography.

ASE 2011 hits the ground running on Saturday morning with a full schedule of tracks including the Saturday Surgical Path symposium. This session has been planned in association with ASE's Council on Intraoperative Echocardiography and examines the Aortic Valve and Its Root. This in-depth assessment of aortic valve disease will feature a wet lab and pathologic correlations will be presented along with contributions from surgeons, interventionalists, CT anesthesiologists, sonographers and echocardiographers. Special audiovisual cameras allow you a birds-eye view of aortic pathology.

Our very popular Pediatric and Congenital track, which is planned in association with the Council on Pediatric and Congenital Heart Disease, is not just for pediatricians. The Saturday track is an all-day symposium on aortic anomalies which correlates with the Surgical Path Symposium. You won't want to miss experts on adult congenital heart disease discuss complex anatomies and conditions. On Tuesday, the pediatric Fireside Chat is back featuring Abraham Morris Rudolph, MD from UCSF, who is best known for his studies on the pathophysiology of congenital heart defects and for imaginative studies of fetal cardiovascular development and transition to postnatal life.

Our Cardiovascular Sonographer track has been specially crafted by the foremost educators in the field to provide a complete review, as well as challenging introduction of advanced topics. Luminary sonographers will present sessions on new techniques, diastology, quality assurance, patient safety and more.

Research is an important mission for our Society and this year, the oral abstract returns to the main floor. The rapid fire format allows presentations of more abstracts than the conventional format and more opportunity for interaction. All abstracts will also be displayed in the Exhibition and Poster Hall on Sunday - Tuesday. The presenters will be at their posters from 12:15 pm to 1:45 pm each day. The four best abstracts submitted compete in front of a panel of luminaries to win cash prizes and prestige during the fascinating Arthur E. Weyman Young Investigator's Award Competition. In addition, the rapid fire abstract presentations and the Scientific Sessions Wrap-Up will let you hear about the ones you missed. The competition takes place on Monday morning and the winners are announced after the Annual Feigenbaum Lecture.

Judy Hung, MD, FASE, of the Massachusetts General Hospital in Boston, MA, has been named the 12th annual ASE Scientific Sessions Feigenbaum Lecturer. Dr. Hung will present her lecture titled "A Tale of Two Leaflets: Innovation in Echocardiography," at 11:50 am Monday, June 13.

On behalf of the ASE Scientific Sessions Program Committee and the Board of Directors, I would like to welcome you to Montreal and the ASE 22nd Annual Scientific Sessions! *Vous etes tous les bienvenus!*



Susan E. Wieggers, MD, FASE
2011 Scientific Sessions Program Chair



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PROGRAM COMMITTEE

ASE 2011 Scientific Sessions Program Committee

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PROGRAM OVERVIEW & EDUCATION INFORMATION

About ASE

The American Society of Echocardiography (ASE) is a professional organization of physicians, cardiac sonographers, nurses and scientists involved in echocardiography, the use of ultrasound to image the heart and cardiovascular system. The organization was founded in 1975 and is the largest international, subspecialty cardiology organization.

ASE is committed to excellence in cardiovascular ultrasound and its application to patient care through education, advocacy, research, innovation and service to our members and the public. Our members are heart and circulation ultrasound specialists dedicated to improving their patients' health and quality of life. They use ultrasound to provide an exceptional view of the cardiovascular system to enhance patient care. ASE serves its members in numerous ways by providing education, advocacy, research, practice guidelines and a community for your profession.

Course Description

Cardiovascular ultrasound is a principal diagnostic tool for the care of patients with heart and vascular disease. The focus of the ASE 22nd Annual Scientific Sessions will be on the clinical utility of echocardiography in the diagnosis and treatment of patients with a broad spectrum of cardiac and vascular disease. ASE 2011 will offer a comprehensive range of educational experiences through the use of several unique scientific program tracks including: original research, cardiovascular sonographer, pediatric and congenital heart disease, case-based learning, cardiovascular ultrasound fundamentals (including transthoracic and transesophageal echocardiography) and expert practitioner. Special one-day tracks include a French language track in honor of our meeting location in Montreal, an interventional track featuring a symposium, on the aortic valve and its root, a vascular imaging track and daily clinical symposia, which focus on specific patient-based clinical presentations. Additional educational opportunities will be offered during the ticketed breakfast sessions. ASE 2011 offers comprehensive coverage of the role of cardiovascular ultrasound in clinical decision making.

The ASE 2011 Scientific Sessions Program Chair is Susan E. Wieggers, MD, FASE, Associate Professor of Medicine, and Director of Clinical Echocardiography at the Hospital of the University of the Pennsylvania. Dr. Wieggers, the 2007 recipient of the ASE Richard Popp Excellence in Teaching Award, has designed a program that will allow attendees to get a broad overview of all topics, or delve deeply into one or two topics. In addition, particular care has been taken to incorporate ASE guidelines into talks that will demonstrate how and why they should be applied in your daily practice.

Target Audience

The ASE 22nd Annual Scientific Sessions will benefit all healthcare providers interested in the application of cardiovascular ultrasound imaging in the care of patients. Participants in all areas of cardiovascular ultrasound imaging and of all levels of experience will find sessions that meet their needs and help improve their practice. Attendees will find the high quality lectures, debates, poster presentations and exhibition hall 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 and critical care medicine and nursing, cardiology department administrators, research scientists, lab directors, medical fellows/residents and students are encouraged to actively participate in sessions and interact with available faculty.

Disclaimer

The information provided during this CME activity is for continuing education purposes only and is not meant to substitute for the independent medical judgment of a healthcare provider relative to diagnostic and treatment options of a specific patient's condition.

Disclosure

The American Society of Echocardiography is committed to ensuring that its educational mission, and all sponsored educational programs are not influenced by the special interests of any corporation or individual; and its mandate is to retain only those speakers whose financial interests can be effectively resolved to maintain the goals and educational integrity of the program. While a monetary or professional affiliation with a corporation does not necessarily influence a speaker's presentation, the Essential Areas and policies of the ACCME require that any 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, the 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 62 of this program.

PROGRAM OVERVIEW & EDUCATION INFORMATION

Conference Objectives

To provide:

- Important updates in the interpretation of cardiac and vascular ultrasound that will impact patient care.
- A basic review of current techniques in cardiac ultrasound for the assessment of patients with a variety of cardiovascular conditions.
- A review of the latest updates in technology, research and guidelines for assessment of patients with cardiac disease.
- Sessions which are appropriate for all levels of cardiac and vascular ultrasound professionals, including experts, intermediate learners, nurses, sonographers and fellows.

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

- Utilize cardiac and vascular ultrasound for the comprehensive assessment and management of cardiovascular diseases.
- Incorporate new guideline recommendations into clinical practice.
- Identify the limitations of the cardiovascular ultrasound technique in an effort to improve the accuracy of interpretation.
- Integrate the latest technical developments into clinical practice.
- Recognize the structural and functional abnormalities of repaired and unrepaired congenital cardiac disease in both pediatric and adult populations.
- Employ cardiac ultrasound in pre-operative, intra-operative and post-operative care of patients.
- Recognize the recent advancements and future direction of cardiac and vascular ultrasound and the impact these advancements may have on patient care.

Accreditation

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 live activity for a maximum of 30 *AMA PRA Category 1 Credits*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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

ARDMS and CCI recognize ASE's certificates and have agreed to honor the credit hours toward their registry requirements for sonographers.

This event is an Accredited Group Learning Activity (Section 1) as defined by the Maintenance of Certification program of The Royal College of Physicians and Surgeons of Canada.

This activity has been reviewed by the Intersocietal Accreditation Commission (IAC) and is acceptable for up to 30.0 hours of CME credit toward ICAEL laboratory accreditation requirements and up to 4.5 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 30.0, with no more than 4.5 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.

SCIENTIFIC PROGRAM TRACKS & KEY

The symbols associated with each track are found on the Schedule-at-a-Glance and throughout the program.

INTERVENTIONAL I

Council on Intraoperative Echocardiography Symposium: The Aortic Valve & Its Root:

This all day symposium on Saturday, June 11, has been designed by the ASE Council on Intraoperative Echocardiography to bring surgeons, anesthesiologists, echocardiographers, sonographers and pathologists together for an in-depth assessment of aortic valve disease. This symposium features a wet lab and correlates with the Echo-Surgical-Pathology Correlation Symposium on Saturday. Tuesday through Sunday, you will find interventional sessions incorporated into other tracks.

FRENCH F

This one-day track on Saturday, June 11, will focus on topics such as valvular disease and advances in echocardiographic assessment of the left and right ventricles led by the Jewish General Hospital - McGill University. It will conclude with an exciting case-based session with key concepts of echocardiography entitled "Les Meilleurs cas du Monde Francophone," all in Montreal's native language.

PEDIATRIC/CONGENITAL PC

Echo-Surgical-Pathology Correlation Symposium:

This all day congenital symposium on Saturday, June 11 will concentrate on aortic anomalies, pulmonary atresia and anomalous veins. This symposium features a wet lab and correlates with the Surgical Path Symposium on Saturday. Sunday through Tuesday, this track includes pediatric, fetal and adult congenital echocardiography talks on a variety of topics. This popular track is recommended for all levels of practitioners who are interested in pediatric and congenital heart disease.

RESEARCH R

You won't want to miss the always fascinating Arthur E. Weyman Young Investigator's Award Competition. The four best abstracts submitted compete in front of a panel of luminaries to win cash prizes and prestige. The rapid fire abstract presentations and the Scientific Sessions Wrap-Up will let you hear about the ones you missed. In addition, please visit the interesting poster sessions in the Exhibit Hall.

FUNDAMENTAL IMAGING FI

This track will instruct practitioners on techniques of assessment and quantitation. There will also be sessions that focus on in-depth discussion of complicated issues which affect the practice of cardiovascular ultrasound. This track is suitable for those who have a basic understanding of cardiovascular ultrasound and want comprehensive, focused learning opportunities.

CASE-BASED LEARNING CL

Audience response system (ARS) allows you to participate and assess your own learning. This track features a broad range of topics and a review of great cases.

SCIENTIFIC PROGRAM TRACKS & KEY

EXTREME ECHO EE

This track is for expert cardiovascular ultrasound practitioners who have a deep understanding of the science of echocardiography. It explores advanced topics and issues, and reviews the latest research.

VASCULAR IMAGING VI

ASE's Council on Vascular Ultrasound has put together a content rich program that highlights state-of-the-art techniques and multimodality topics.

CARDIOVASCULAR SONOGRAPHER CS

Sonographers' advancement, leadership and contribution to patient care and safety are important to ASE and discussed in multiple sessions. Come see the leaders in the field discuss new techniques, diastology, quality assurance, valvular assessment and more.

SYMPOSIA S

These daily tracks concentrate on the clinical use of cardiovascular ultrasound. Each symposium discusses a specific topic in detail and instructs you on how to apply it in clinical practice.

- The Patient With Congestive Heart Failure: Assessment and Treatment
- The Patient With Ischemic Heart Disease: What Do You Need to Know?
- Adult Congenital Heart Disease Symposium for the Expert
- Fetal Echo Symposium




TICKETED BREAKFAST SESSIONS TB

Ticketed Breakfast Sessions on Special Topics:

These sessions are limited to the first 60 participants in order to give you an intimate and unique learning experience and face-to-face interaction with our luminary faculty. Tickets are \$40 per session and include a hot breakfast. If there are any tickets available, you may purchase them on a space-available basis at the ASE Registration Desk in Viger Hall, Level 2.

SCHEDULE-AT-A-GLANCE

ASE Registration Hours: 6:30 AM–7 PM


	7 AM – 8 AM	8 AM – 9 AM	9 AM – 10 AM	10 AM – 11 AM	11 AM – 12 PM
I INTER-VENTIONAL Room 517abc	S Council on Intraoperative Echocardiography Symposium: The Aortic Valve & Its Root	8:00 am – 8:30 am Council on Intraoperative Echocardiography Business Meeting & Awards Presentation	S 8:30 am - 10:15 am Echo-Surgical Path Correlates: Aortic Valve Stenosis & Regurgitation Page 33	BREAK - 10:15 AM – 10:30 AM	S 10:30 am – 12:15 pm Aortic Valve Disease with a Dilated Root & Case Selection for Interventional Approaches Page 33
CS CARDIOVASCULAR SONOGRAPHER Room 519ab	TB  7:00 am – 8:30 am 3D Echo: Incorporating It into Daily Practice Page 33	8:30 am - 10:15 am Council on Cardiac Sonography Business Meeting & Awards Presentation	10:30 am – 12:15 pm The Left Heart Page 35		
EE EXTREME ECHO Room 518abc	TB  7:00 am – 8:30 am Diastolic Function: The Good, The Bad & The Unclassifiable Page 33	R 8:30 am - 10:15 am New Technologies & Imaging Modalities in the Evaluation of Patients with Cardiomyopathy & Pericardial Disease Page 34	10:30 am – 12:15 pm Flow Vortex Imaging Page 35		
FI FUNDAMENTAL IMAGING Room 516de	TB  7:00 am – 8:30 am Interventional Echo Page 33	I 8:30 am - 10:15 am Contrast 101 Page 34	R 10:30 am – 12:15 pm The RV – What Do the New Guidelines Mean For Your Patient? Page 35		
F FRENCH Room 524abc		8:30 am - 10:15 am Lésions Valvulaires: Structure et Fonction Page 34	10:30 am – 12:15 pm Défaillance Cardiaque Gauche: Panoplie de Maladies et Traitements Page 35		
PC PEDIATRIC / CONGENITAL Room 517d	S Congenital Symposium: Echo-Surgical-Pathology Correlation		S 8:30 am - 10:15 am Aortic Arch Anomalies Page 34		S 10:30 am – 12:15 pm Pulmonary Atresia & Intact Interventricular Septum Page 35

SATURDAY, JUNE 11, 2011


12 PM – 1 PM	1 PM – 2 PM	2 PM – 3 PM	3 PM – 4 PM	4 PM – 5 PM	5 PM – 6 PM	6 PM – 7 PM
12:15 PM – 1:45 PM LUNCH ON YOUR OWN		S 1:45 pm – 3:30 pm Controversies in Aortic Valve Disease Page 33	BREAK - 3:30 PM – 3:45 PM	CL S 3:45 pm – 5:30 pm Complex Cases in Aortic Valve Disease Page 34		WELCOME RECEPTION ON PALAIS TERRACE - LEVEL 7
		1:45 pm – 3:30 pm The Right Heart Page 35		3:45 pm – 5:30 pm Echo vs. Other Modalities Page 36		
		R 1:45 pm – 3:30 pm Advanced Applications of Contrast – How Can You Help the Patient? Page 36		3:45 pm – 5:30 pm Optimal Image Management in the Echo Lab Page 36		
		1:45 pm – 3:30 pm LA Assessment & Volumes – Beyond M-Mode Page 36		3:45 pm – 5:30 pm The Patient with TIA & CVA Page 36		
		1:45 pm – 3:30 pm Évaluation Échocardiographique des Anomalies du Coeur Droit (A Joint Session with the Jewish General Hospital – McGill University) – Page 36		CL 3:45 pm – 5:30 pm Les Meilleurs cas du Monde Francophone Page 36		
		S 1:45 pm – 3:30 pm Pulmonary Venous Anomalies Page 35		CL 3:45 pm – 5:30 pm Echo Jeopardy – Pediatric Style Page 36		

SCHEDULE-AT-A-GLANCE

ASE Registration Hours: 6:30 AM–7 PM • Exhibit & Poster Hall Hours: 9:30 AM–7:30 PM

	7 AM – 8 AM	8 AM – 9 AM	9 AM – 10 AM	10 AM – 11 AM	11 AM – 12 PM
<p>S SYMPOSIA Room 517abc</p> <p>The Patient with Congestive Heart Failure</p>	<p>7:00 AM – 8:30 AM</p> <p>INDUSTRY SYMPOSIUM (NON-CME)</p> <p>PRESENTED BY SIEMENS HEALTHCARE IN ROOM 220b</p>		<p>R 8:30 am – 10:00 am Assessing the Patient with Congestive Heart Failure Page 39</p>	<p>BREAK - 10:00 AM – 10:45 AM</p> <p>REFRESHMENTS AVAILABLE IN THE EXHIBIT & POSTER HALL</p>	<p>R 10:45 am – 12:15 pm Assessing the Patient with Diastolic Heart Failure Page 39</p>
<p>S SYMPOSIA Room 524abc</p>			<p>8:30 am – 10:00 am Prosthetic Valves: What do the Guidelines Mean? Page 39</p>		<p>10:45 am – 12:15 pm Echo in Healthcare Reform Page 40</p>
<p>CL CASE-BASED LEARNING Room 516abc</p>			<p>8:30 am – 10:00 am 3D: Couldn't See Without It Page 39</p>		<p>10:45 am – 12:15 pm Stress Tests: You Be the Judge! Page 40</p>
<p>CS CARDIOVASCULAR SONOGRAPHER Room 519abc</p>			<p>8:30 am – 10:00 am Relax! Basic Diastology Page 40</p>		<p>10:45 am – 12:15 pm Relax! Advanced Diastology Page 40</p>
<p>EE EXTREME ECHO Room 518abc</p>			<p>I 8:30 am – 10:00 am Interventional Echo Page 40</p>		<p>R 10:45 am – 12:15 pm Rapid Fire Abstracts – Myocardial Mechanics Page 41</p>
<p>FI FUNDAMENTAL IMAGING Room 516de</p>			<p>R 8:30 am – 10:00 am Assessing the Mitral Valve 1 Page 40</p>		<p> 10:45 am – 12:15 pm 3D Echo in the Assessment of MR – Page 41</p>
<p>PC PEDIATRIC / CONGENITAL Room 517d</p>			<p>8:30 am – 10:00 am What's New in Pediatric Echo? Page 40</p>		<p>10:45 am – 12:15 pm State-of-the-Art: Assessing the Pediatric Patient with Ventricular Dysfunction – Page 41</p>
<p>R RESEARCH (Non-CME) Poster Sessions Exhibit & Poster Hall</p>					<p>R 9:30 am – 7:30 pm Poster Session 1: P1-01 through P1-74;</p>


SUNDAY, JUNE 12, 2011

12 PM - 1 PM	1 PM - 2 PM	2 PM - 3 PM	3 PM - 4 PM	4 PM - 5 PM	5 PM - 6 PM	6 PM - 7:30 PM
<p>12:15 PM - 1:45 PM</p> <p>INDUSTRY SYMPOSIUM (NON-CME)</p> <p>PRESENTED BY GE HEALTHCARE IN ROOM 220b</p>		<p>R 1:45 pm - 3:15 pm Beyond Congestive Heart Failure: LVAD & Transplant - Page 39</p>	<p>BREAK - 3:15 PM - 4:00 PM</p> <p>REFRESHMENTS AVAILABLE IN THE EXHIBIT & POSTER HALL</p>	<p>4:00 PM - 6:00 PM</p> <p>ASE 22nd ANNUAL EDLER LECTURE AND AWARDS PRESENTATION / ASE ANNUAL BUSINESS MEETING</p> <p>FEATURING "HEALTHCARE REFORM: WHAT IT MEANS TO PATIENTS AS WELL AS PHYSICIANS" BY HOWARD DEAN, MD ROOM 517abc - PAGE 42</p>	<p>PRESIDENT'S RECEPTION IN THE EXHIBIT & POSTER HALL - 6:00 PM - 7:30 PM</p>	
		<p>1:45 pm - 3:15 pm Ethics in Echo Page 41</p>				
		<p>1:45 pm - 3:15 pm Lumps, Bumps & All Kinds of Masses Page 41</p>				
		<p>1:45 pm - 3:15 pm The Difficult Case: What Do You Do with Poor Quality Studies? - Page 42</p>				
		<p>R  1:45 pm - 3:15 pm 3D Echo Ready for Prime Time! - Page 42</p>				
		<p>1:45 pm - 3:15 pm Endocarditis: What is the New Data? Page 42</p>				
		<p>12:15 pm - 1:45 pm Council on Pediatric Congenital Heart Disease Business Meeting & Awards Presentation</p> <p>R 1:45 pm - 3:15 pm Oral Abstracts Page 42</p>				

Topics include : LV Function Assessment • 3D Speckle Tracking • 3D and Ventricular Function • Atrial Volumes and Function • LV Diastolic Function • 3D and Mitral Valve • Myocardial Mechanics • Pediatric Cardiovascular and Adult Congenital Heart Disease I (See pages 29-34 of the *Exhibition & Abstracts Catalog* for presenter details.)

SCHEDULE-AT-A-GLANCE

ASE Registration Hours: 6:30 AM–7 PM • Exhibit & Poster Hall Hours: 9:30 AM–4:30 PM

	7 AM – 8 AM	8 AM – 9 AM	9 AM – 10 AM	10 AM – 11 AM	11 AM – 12 PM		
S SYMPOSIA Room 517abc	7:00 AM – 8:30 AM INDUSTRY SYMPOSIUM (NON-CME) PRESENTED BY LANTHEUS MEDICAL IMAGING, INC. IN ROOM 220b						
S SYMPOSIA Room 524abc The Patient with Heart Ischemic Disease			R 8:30 am - 10:00 am Chest Pain & MI Page 44	BREAK - 10:00 AM – 10:45 AM REFRESHMENTS AVAILABLE IN THE EXHIBIT & POSTER HALL	R 10:45 AM – 12:15 PM 2011 ARTHUR E. WEYMAN YOUNG INVESTIGATOR'S AWARD COMPETITION 12TH ANNUAL FEIGENBAUM LECTURE ROOM 517abc – PAGE 45		
CL CASE-BASED LEARNING Room 516abc			8:30 am - 10:00 am Valvular Stenosis Page 44				
CS CARDIOVASCULAR SONOGRAPHER Room 519ab			8:30 am - 10:00 am TEE for Sonographers Page 44				
EE EXTREME ECHO Room 518abc			R  8:30 am - 10:00 am Myocardial Mechanics: Strain & Beyond – Page 44				
FI FUNDAMENTAL IMAGING Room 516de			8:30 am - 10:00 am Quantitative Assessment of Valvular Regurgitation Page 44				
VI VASCULAR IMAGING Room 514abc			8 - 8:30 am Council on Vascular Ultrasound Business Meeting & Awards Presentation 8:30 am - 10:00 am The Carotid Artery: Bridging the Brain & the Heart – Page 45				
PC PEDIATRIC / CONGENITAL Room 517d			CL 8:30 am - 10:00 am Cases: The Spectrum of Cardiomyopathies – From the Rare to the Exotic – Page 45				
R RESEARCH (Non-CME) Poster Sessions Exhibit & Poster Hall							R 9:30 am – 4:30 pm Poster Session 2: P2-01 through P2-78;



MONDAY, JUNE 13, 2011

12 PM – 1 PM	1 PM – 2 PM	2 PM – 3 PM	3 PM – 4 PM	4 PM – 5 PM	5 PM – 6 PM	6 PM – 7:30 PM
<p>12:15 PM – 1:45 PM</p> <p>INDUSTRY SYMPOSIUM (NON-CME)</p> <p>PRESENTED BY PHILIPS IN ROOM 220b</p>		<p>R 1:45 pm – 3:15 pm CRT: Who, How & When? Page 45</p>	<p>BREAK - 3:15 PM – 4:00 PM</p> <p>REFRESHMENTS AVAILABLE IN THE EXHIBIT & POSTER HALL</p>			
		<p>R 1:45 pm – 3:15 pm Ischemic Heart Disease in The Low EF Patient Page 44</p>		<p>4:00 pm – 5:30 pm Stress Echo: The Right Choice for the Patient? – Page 46</p>		
		<p>1:45 pm – 3:15 pm Valvular Regurgitation Page 46</p>		<p>4:00 pm – 5:30 pm Diastolic Dysfunction Page 47</p>		
		<p>PC 1:45 pm – 3:15 pm Congenital Disease for the Adult Sonographer Page 46</p>		<p>4:00 pm – 5:30 pm Sonographer Advancement Page 47</p>		
		<p>1:45 pm – 3:15 pm Multimodality Imaging for Hypertrophic Cardiomyopathy Page 46</p>		<p>R 4:00 pm – 5:30 pm Rapid Fire Abstracts Cardiomyopathy & Valvular Disease – Page 47</p>		
		<p>1:45 pm – 3:15 pm Quantitative Assessment of Diastolic Function Page 46</p>		<p>4:00 pm – 5:30 pm Echo Outside the Echo Lab: Who, Where & When? Page 47</p>		
		<p>1:45 pm – 3:15 pm Duplex Imaging: Beyond the Carotids & into the Abdomen – Page 46</p>		<p>I 4:00 pm – 5:30 pm “Sound” Advice for the Vascular Interventionalist Page 49</p>		
		<p>1:45 pm – 3:15 pm Pediatric Coronary Artery Disease Page 46</p>		<p>4:00 pm – 5:30 pm Controversies in Pediatric Echocardiography Page 47</p>		
				<p>5:30 PM – 7:00 PM</p> <p>THREE OF A KIND: AN ECHO GAME ROOM 517abc</p>	<p>7:00 PM – 7:30 PM</p> <p>(NON-CME) COMEDIAN MARK CRITCH</p>	

Topics include : Contrast Echocardiography • Ischemic Heart Disease and Stress Echocardiography • Exercise Testing in Valve Disease • CRT • Cardiomyopathy, LV Mass, and Pericardial Diseases • Intraoperative and Interventional Echocardiography • Pediatric Cardiovascular and Adult Congenital Heart Disease II (See pages 35-41 of the *Exhibition & Abstracts Catalog* for presenter details.)

SCHEDULE-AT-A-GLANCE

ASE Registration Hours: 6:30 AM–7 PM • Exhibit & Poster Hall Hours: 9:30 AM–2:30 PM

	7 AM – 8 AM	8 AM – 9 AM	9 AM – 10 AM	10 AM – 11 AM	11 AM – 12 PM
S SYMPOSIA Room 524abc		7:30 am – 8:30 am How to Get Published in JASE Room 515ab	8:30 am – 10:00 am The Great Debate Page 50	BREAK - 10:00 AM – 10:45 AM REFRESHMENTS AVAILABLE IN THE EXHIBIT & POSTER HALL	10:45 am – 12:15 pm Legends Stumping Other Legends Page 51
CS CARDIOVASCULAR SONOGRAPHER Room 519ab	7:00 am – 8:30 am ICAEL Accreditation: What's New? Page 50	8:30 am – 10:00 am Global Educator's Summit for Cardiovascular Ultrasound Page 50			
EE EXTREME ECHO Room 518abc	TB  7:00 am – 8:30 am Stressing about Strain Without Ruining Your Breakfast Page 50	8:30 am – 10:00 am The Impact of Ventriculo-Arterial Coupling Page 50	10:45 am – 12:15 pm Stress Echo: Beyond Wall Motion Page 51		
FI FUNDAMENTAL IMAGING Room 516de	TB  7:00 am – 8:30 am IOC: Weaning from Cardiopulmonary Bypass: What to Look For Page 50				
PC PEDIATRIC / CONGENITAL Room 517d	S Adult Congenital Heart Disease Symposium for the Expert	7:30 am – 8:30 am Ask the Experts: Heterotaxy Syndrome Page 50	S 8:30 am – 10:00 am Corrected Transposition of the Great Arteries Page 51		S 10:45 am – 12:15 pm Multimodality Imaging and Decision Making Page 51
PC PEDIATRIC / CONGENITAL Room 516abc	S Fetal Echo Symposium	R 7:00 am – 8:30 am How to Obtain Funding - NIH and Beyond Page 50	S 8:30 am – 10:00 am How to Impact Fetal Outcomes Page 51		S 10:45 am – 12:15 pm Fetal Physiology Page 51
R RESEARCH (Non-CME) Poster Sessions Exhibit & Poster Hall					9:30 am – 2:30 pm • Poster Session 3: P3-01 through P3-54; R (See pages 42-45 of the <i>Exhibition & Abstracts Catalog</i> for presenter details.)

TUESDAY, JUNE 14, 2011

12 PM - 1 PM	1 PM - 2 PM	2 PM - 3 PM	3 PM - 4 PM	4 PM - 5 PM	5 PM - 6 PM	6 PM - 7:30 PM
12:15 PM - 1:45 PM INDUSTRY SYMPOSIUM (NON-CME) PRESENTED BY GE HEALTHCARE IN ROOM 220b		R 1:45 PM - 3:15 PM 2011 SCIENTIFIC SESSIONS WRAP UP ROOM 524abc - PAGE 52	BREAK - 3:15 PM - 3:30 PM	3:30 pm - 5:30 pm How to Optimize Diastolic Assessment Page 52	CL 3:30 PM - 6:30 PM WORLD VIEW OF ECHOCARDIOGRAPHY: GLOBAL CASES - 5:30 PM - 6:30 PM ROOM 524abc - PAGE 53	
				CL 3:30 pm - 5:30 pm How to Perform Extraordinary Echo: Cases with the Experts Page 53		
		1:45 pm - 2:45 pm Fireside Chat: The UCSF Experience Page 52		3:30 pm - 5:30 pm How to Put the "Q" in Quality Page 52	CL	
				3:30 pm - 5:30 pm How to Deliver Bad News: Dealing with Complications Page 52		
				3:30 pm - 5:30 pm How to Use Echo Appropriately For Screening Children & Adults		
				3:30 pm - 5:30 pm How to Improve Pediatric Outcomes Page 53		
Quality and Appropriateness • General Valve Disease Topics • Aortic Valve Disease • RV Function Assessment • 3D and The Right Side • Vascular Disease						

GE Healthcare congratulates the 2011 ASE award winners



Judy Hung, MD, FASE

Massachusetts General Hospital,
Boston, MA

Feigenbaum Lecturer



Jonathan Lindner, MD, FASE

Oregon Health & Science University,
Portland, OR

*Richard Popp Excellence
in Teaching Award*



**David B. Adams, RCS,
RDCS, FASE**

Duke University Medical Center,
Durham, NC

*Sonographer Lifetime
Achievement Award*



Diane S. Millman, JD

Powers, Pyles, Sutter & Verville P.C.,
Washington D.C.

Meritorious Service Award



Pravin M. Shah, MD

Hoag Heart & Vascular Center,
Newport Beach, CA

Physician Lifetime Achievement Award



James C. Huhta, MD

Congenital Heart Institute,
St. Petersburg, FL

Pediatric Founders Award

A portrait of Dr. Pravin M. Shah, an older man with white hair, wearing a light blue suit jacket, a blue striped shirt, and a dark patterned tie. He is smiling slightly and looking towards the camera. The background is a soft-focus outdoor scene with greenery.

Hoag Recognizes Dr. Pravin M. Shah

Hoag Memorial Hospital Presbyterian of Orange County, California congratulates Dr. Pravin M. Shah on receiving this year's Lifetime Achievement Award from the American Society of Echocardiography. Your colleagues at the Heart and Vascular Institute commend your contributions to the specialty and this well deserved distinction.



Pravin M. Shah, M.D., M.A.C.C.

Chair, Medical Director, Hoag Heart Valve Center
Medical Director, Non-invasive Cardiac Imaging &
Academic Programs, Hoag Heart and Vascular Institute

SPECIAL EVENTS

Unless otherwise noted, all special events will take place in the Palais des Congres.

Saturday, June 11

5:30 pm - 7:00 pm

Welcome Reception on Palais Terrace, Level 7

(Non-CME) Toast the start of the 22nd Annual Scientific Sessions at this complimentary, rooftop welcome reception at the Palais des Congres. Experience a beautiful view of the St. Lawrence River and Old Montreal while enjoying a complimentary beverage and some snacks as you meet with friends and colleagues.

7:00 pm - 10:30 pm

ASE Foundation Awards Gala & Research Fundraiser

(Ticketed event) *at Le Windsor*

(Non-CME) Winners of the following ASE 2011 Awards will be recognized at the 2nd Annual ASE Foundation Awards Gala:

Physician Lifetime Achievement Award,

Pravin M. Shah, MD

Sonographer Lifetime Achievement Award,

David B. Adams, RCS, RDCS, FASE

Feigenbaum Lecturer, Judy Hung, MD, FASE

Meritorious Service Award, Diane S. Millman, JD

Richard Popp Excellence in Teaching Award,

Jonathan R. Lindner, MD, FASE

Pediatric Founders Award, James C. Huhta, MD

Sunday, June 12

6:00 pm - 7:30 pm

President's Reception in the Exhibit & Poster Hall

(Non-CME) All attendees are invited to the Exhibit & Poster Hall on Level 2 of the Palais des Congres to celebrate the ASE 22nd Annual Scientific Sessions and the presidency of Sanjiv Kaul, MD, FASE. Join Dr. Kaul 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. Admission is included in your registration fee and guest tickets can be purchased at the ASE Registration Counter located in the Viger Foyer.

Monday, June 13

5:30 pm - 7:00 pm

NEW! 3 of a Kind: An Echo Game in Room 517abc

Join Host Randy Martin, MD, FASE and game creator David A. Adams, RCS, RDCS, FASE for a unique, challenging audience-participation experience. You get to choose your own team, captained by either Mark J. Monaghan, FRCP (Hon), PhD, FESC; Harry Rakowski, MD, FASE; or Vera H. Rigolin, MD, FASE. See if you can beat your fellow attendees to discover "Which image doesn't fit." before they do.

Tuesday, June 14

8:30 am - 10:00 am

The Great Debate in Room 524abc

Don't miss the ASE 2011 luminary faculty as they debate the hottest topics in cardiovascular ultrasound. Is tissue Doppler imaging superior to EF in assessing LV function? Will tissue Doppler last? Should asymptomatic MR be addressed surgically? Watch Dr's Khandheria, Pandian, Stewart and Sarano in these heated debates.

8:30 am - 10:00 am

Global Educator's Summit for Cardiovascular

Ultrasound in Room 519ab

(Non-CME) This session will be held as a round-table discussion for educators teaching cardiovascular ultrasound. Discussion will include international cardiovascular ultrasound education practices, development of international advanced cardiovascular sonographer programs, educational needs in different geographical locations, and the use of social media for reaching students in different geographical locations. Attendees will receive information regarding ASE's educator resources for use in educational programs.

10:45 am - 12:15 pm

Legends Stumping Other Legends in Room 524abc

These are all household names and you won't want to miss them best each other. Learn from legends while they share their most unforgettable, challenging and memorable cases.

1:45 pm - 3:15 pm

ASE 2011 Scientific Sessions Wrap-Up in Room 524abc

Luminary faculty will come together to summarize the educational high points of the ASE 2011 Scientific Sessions. Don't miss this session that is full of valuable take-home information.

Industry Supported Symposia

Industry supported symposia sessions are not a part of the official ASE 22nd Annual Scientific Sessions, as planned by the Program Committee, or in any way endorsed or affiliated with ASE. For a complete schedule of symposia please refer to page 7 in the *Exhibits & Abstracts Catalog* found in your attendee bag. Symposia will take place in Room 220b and are located directly adjacent to the Exhibit & Poster Hall. The registration process will be handled by the company hosting each session. Food will be provided by ASE.

ASE wishes to thank the following companies for participating in the industry supported symposia:

GE Healthcare

Lantheus Medical Imaging

Philips Healthcare

SIEMENS Healthcare

SPECIAL AWARDS

2011 Edler Lecture



Governor Howard Dean, MD, former Chairman of the Democratic National Party, and six-time Governor of Vermont, has been named the 22nd Annual Scientific Sessions Edler Lecturer. Created in 1990, the annual Edler Lecture honors the founder of echocardiography, Inge Edler, MD. Dr. Dean will present his lecture titled, "Healthcare Reform: What it Means to Patients as Well as Physicians," during the ASE Awards Presentation, Sunday, June 12 in Room 517abc.

2011 Feigenbaum Lecture



Judy Hung, MD, FASE, of the Massachusetts General Hospital in Boston, MA, has been named the 12th annual ASE Scientific Sessions Feigenbaum Lecturer. The Feigenbaum Lecture was named in honor of the founder and first president of ASE, Harvey Feigenbaum, MD, FASE. This lectureship is awarded to a young investigator in recognition of his/her significant contribution to research in the field of echocardiography and his/

her potential to continue at a high level of achievement. Dr. Hung will present her lecture titled "A Tale of Two Leaflets: Innovation in Echocardiography" during the 2011 Arthur E. Weyman Young Investigators' Award Competition and Annual Feigenbaum Lecture from 10:45 am - 12:15 pm on Monday, June 13 in Room 517abc.

Lifetime Achievement Awards

The Lifetime Achievement Awards recognize individuals who have had a lifetime of outstanding achievements in the field of cardiovascular ultrasound and have served as a role model through service, research and teaching. These individuals have a career in cardiovascular ultrasound spanning at least 25 years and are recognized at local, national and international levels. ASE is pleased to recognize this year's recipients during the ASE Awards Presentation from 4:00 pm - 6:00 pm on Sunday, June 12 in Room 517abc.



Pravin M. Shah, MD, Hoag Heart and Vascular Institute, Newport Beach, CA. Dr. Shah is a pioneer and doyen of echocardiography and a contemporary of Dr. Harvey Feigenbaum. He has trained countless physicians who have become international leaders in echocardiography. He created many relationships in the Asian-Pacific region and is highly regarded there as well as in other countries for his work. In addition to his

enormous contributions to echocardiography, Dr. Shah has made many original observations in cardiac disease, principally in mitral valve disease and hypertrophic cardiomyopathy.

ASE and the ASE Foundation are proud to recognize Dr. Shah as the 2011 Physician Lifetime Achievement Award recipient.



David B. Adams, RCS, RDCS, FASE, Duke Medical Center, Durham, NC. Mr. Adams has spent his career working to better the profession, and has touched many individuals with his gift of teaching and mentoring including sonographers, physicians, fellows and medical students. He is also a highly regarded advisor and consultant for our industry representatives in an effort to improve technology and clinical

outcomes. His wealth of knowledge is expansive within all aspects of ultrasound and he is very much sought after for guidance in practical approach design, workflow and ergonomics. Over the years as an ASE member, Mr. Adams has served on multiple committees, task forces and writing groups. He has also served on the ASE Executive Committee, Board of Directors and as faculty and abstract grader for many Scientific Sessions.

ASE and the ASE Foundation are proud to recognize David Adams as the 1st Sonographer Lifetime Achievement Award recipient.

Meritorious Service Award



The ASE Meritorious Service Award recognizes individual members for their substantial and generous efforts to the Society's betterment. ASE is pleased to recognize this year's

recipient: **Diane S. Millman, JD**, Powers, Pyles, Sutter & Verville P.C., Washington, D.C. Ms. Millman is recognized for her 25 years of service to ASE. She has been substantially involved in all of ASE's advocacy planning and legal affairs since her first days working

with ASE. She continues to advance the Society's ability to meet its legislative challenges, pushing ASE's leadership to be in the forefront to preserve echocardiography. She will be recognized during the ASE Awards Presentation from 4:00 pm - 6:00 pm on Sunday, June 12 in Room 517abc.

Richard Popp Excellence in Teaching Award



Jonathan R. Lindner, MD, FASE, Oregon Health and Science University, Portland, OR, has been named the 11th annual recipient of the Richard Popp Excellence in Teaching Award. Dr. Lindner 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 Awards Presentation from 4:00 pm - 6:00 pm on Sunday, June 12 in Room 517abc.

SPECIAL AWARDS

Council on Pediatric and Congenital Heart Disease Founders Award

James C. Huhta, MD, Congenital Heart Institute of Florida (CHIF), St. Petersburg, FL, has been named the 12th recipient of the Council on Pediatric and Congenital Heart Disease Founders Award. This award recognizes continued major scholarly contribution to the field of pediatric echocardiography. He will be recognized during the ASE Awards Presentation from 4:00 pm – 6:00 pm on Sunday, June 12 in Room 517abc. Dr. Huhta will present his lecture during the Council on Pediatric & Congenital Heart Disease Business Meeting & Awards Presentation on Sunday, June 12, 12:15 pm – 1:45 pm, in Room 517d.

Honorary FASE

The Fellow of the American Society of Echocardiography (FASE) designation recognizes individuals dedicated to cardiovascular ultrasound who exemplify the highest achievement in the profession. The International Relations Task Force, in conjunction with the ASE Executive Committee, nominated four individuals to receive an “Honorary FASE” designation in 2011. This honor was given to individuals who have made significant contributions to the field of cardiovascular ultrasound and have played strong role in building international relationships with the Society. They will be recognized during the ASE Awards Presentation from 4:00 pm – 6:00 pm on Sunday, June 12, 2011 in Room 517abc.

The 2011 honorees are:

Jean G. Dumesnil, CQ, MD, FASE
Quebec Heart and Lung Institute,
Laval University, Quebec City, Canada

Raimund Erbel, MD, FASE
West German Heart Centre Essen,
University Essen, Essen, Germany

Jorge A. Lowenstein, MD, FASE
Investigaciones Médicas Centro de Diagnóstico,
Buenos Aires, Argentina

Chuwa Tei, MD, FASE
Kagoshima University, Kagoshima, Japan

2011 Arthur E. Weyman Young Investigator's Award Finalists

The ASE Scientific Sessions Program Committee is pleased to recognize the finalists of the 2011 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 2011 Arthur E. Weyman Young Investigator's Award Competition and Annual Feigenbaum Lecture from 10:45 am – 12:15 pm on Monday, June 13 in Room 517abc of the Palais des Congres.

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

Scott M. Chadderdon, MD, Oregon Health & Science University, Portland, Oregon – “Impaired Capillary Function Contributes to the Development of Insulin Resistance in Lean but Activity-restricted Primates: A Study Using Contrast Ultrasound Perfusion Imaging”

Alexandra H. Smith, MSc, Li Ka Shing Knowledge Institute, St. Michael's Hospital, Toronto, Ontario, Canada – “Sustained Improvement in Perfusion and Flow Reserve After Temporally Separated Ultrasound-Mediated Multi-Gene Delivery”

G. Hamilton Baker, MD, Medical University of South Carolina, Charleston, South Carolina – “Feasibility of Invasive and Non-invasive Preload Recrutable Stroke Work Derived From Three-Dimensional Echocardiography”

Paaladinesh Thavendiranathan, MD, FRCPC, The Ohio State University, Columbus, Ohio – “Automated 3D Quantification of Mitral Regurgitation by Real-Time Volume Color Flow Doppler: Comparison With Cardiac Magnetic Resonance Imaging”

2011 Abstract Presenter Travel Grant Recipients

The ASE 2011 Scientific Sessions Program Committee is pleased to recognize the following recipients of Abstract Presenter Travel Grants for attendance at the 22nd 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.

Fred Cobey, MD, MPH, Washington Hospital Center,
Washington, DC

Paul Gribben, BS, University of Nebraska Medical Center and Children's Hospital and Medical Center, Omaha, NE

Hao H. Hsu, MD, University of Colorado, Aurora, CO

Kazuaki Negishi, MD, Cleveland Clinic, Cleveland, OH

Hidekazu Tanaka, MD, Kobe University Graduate School of Medicine, Kobe, Japan

UltraEcho, Ltd. Cardiovascular Sonographer Student Travel Grant Recipient

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

The 2011 student travel grant has been awarded to **April Lloyd**, Bunker Hill Community College, Boston, MA. This award will be recognized during the Council on Cardiac Sonography Business Meeting & Awards Presentation, Saturday, June 11, from 8:30 am – 10:15 am in Room 519ab.

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 Education and Research Foundation (ASEF) provides a limited number of \$1,000 scholarships for students enrolled in a cardiac 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. Also included with each scholarship is a one-year complimentary membership in ASE, complimentary registration for the recipient to attend the 2011 Scientific Sessions and travel support. This year's recipients were chosen from a large group of well-qualified candidates based on their nominating letters, personal accomplishments and academic record.

Jennifer Durst, University of Kansas Hospital, School of Allied Health, Kansas City, KS

Nicole Chaney, Johns Hopkins School of Cardiac Sonographer, Baltimore, MD

Jeanne Juneau, El Centro College, Dallas, TX

Stephanie Kolstad, Mayo School of Health Sciences, Rochester, MN

Tania Robb, Johnston Community College, Smithfield, NC

Frances Rodriguez, St. Catharine College, St. Catharine, KY

Stacey Smith, South Hills School of Business & Technology, State College, PA

Katherine Strayer, Kettering College of Medical Arts, Kettering, OH

Deborah Jeanne Warner, Norton Healthcare Foundation, Louisville, KY

Kalyn Yeager, Hoffman Heart Institute, Hartford, CT

The 2011 student scholarship recipients will be recognized during the ASE Awards Presentation from 4:00 pm - 6:00 pm, Sunday, June 12, Room 517abc.

Feigenbaum Cardiovascular Sonographer Student Travel Grant Recipient

This award is supported by a grant to the ASE Education and Research Foundation from Elsevier Inc. to honor Dr. Harvey Feigenbaum's commitment and tenure as the former editor of the *Journal of the American Society of Echocardiography* (JASE) for 20 years. It is presented to a sonographer student enrolled in a cardiac ultrasound program. This grant provides funding to assist a student to attend the annual Scientific Sessions or other ASE-sponsored educational courses. The 2011 student travel grant has been awarded to **Nicholas Pechon**, Cardiovascular Technology, Lacombe, LA. This award will be recognized during the Council on Cardiac Sonography Business Meeting & Awards Presentation, Saturday, June 11, 8:30 am - 10:15 am in Room 519ab.

ASE 2011 Council Travel Grant Awards

ASE sponsors Council Travel Grant Awards to trainees to fund their attendance at the ASE 22nd Annual 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

Jarrad Knudson, MD

Council on Vascular Ultrasound Travel Grant Awards

Atul Singla, MD

Omeed Zardkoohi, MD

Council on Intraoperative Travel Grant Awards

Manjula Burri, MD

Shahnaz Punjani, MD

Council on Cardiac Sonography Board Travel Grant Award

Kip Sumpter, RDCS, RCS, CCT

2011 Council on Vascular Ultrasound Abstract Award

The Council on Vascular Ultrasound Board voted P3-47, Temporal Sequence of Age-Related Alterations in Vascular Structure and Function in Relationship to Left Ventricular Diastolic Function, as the 2011 Vascular Abstract winner. This year, there were nine posters accepted into the Council on Vascular Disease category, all of which will be presented in Poster Session 2 on Tuesday, June 14 in the Exhibit and Poster Hall. The Vascular Ultrasound Council would like to congratulate the following on their abstract: Jeanne M. DeCara¹, Sanjiv J. Shah², Etienne Gayat¹, Keith A. Collins¹, Boguslawa Kwak¹, Georgeanne Lammertin¹, Dan Nutter³, Heidi Pollard¹, Michael J. Thury⁴, Victor Mor-Avi¹, Kirk T. Spencer¹, Roberto M. Lang¹. ¹University of Chicago, Chicago, IL; ²Northwestern Memorial Hospital, Chicago, IL; ³GE Healthcare, Lincoln, NE; ⁴GE Healthcare, Sioux Falls, SD.

REGISTRATION, BADGE & TICKET DISTRIBUTION

Attendee Registration

The ASE Registration Counter is located in Viger Hall on Level 2 of the Palais des Congres.

ASE Registration Counter Hours:

Friday, June 10	4:00 pm-7:00 pm
Saturday, June 11	6:30 am-7:00 pm
Sunday, June 12	6:30 am-7:00 pm
Monday, June 13	6:30 am-7:00 pm
Tuesday, June 14	6:30 am-7:00 pm

Faculty Registration and Speaker Ready Room

Faculty registration and the Speaker Ready Room are located on Level 5 of the Palais des Congres in Room 520abde. All faculty must visit the Speaker Ready Room to officially register, upload and 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 10	4:00 pm-7:00 pm
Saturday, June 11	6:00 am-5:30 pm
Sunday, June 12	6:30 am-4:30 pm
Monday, June 13	6:30 am-4:30 pm
Tuesday, June 14	6:30 am-4:30 pm

Ticket Distribution

Please note that some sessions require a purchased ticket for admission. Ticketed Breakfast Sessions require a purchased ticket; seating is limited and based on availability. If these sessions are not sold-out, tickets can be purchased at the ASE Registration Counter during registration hours.

FASE Lounge 9:00 am - 4:00 pm Saturday, June 11 - Tuesday, June 14 *in Room 520cf on Level 5*

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.

Name Badges

Admission to the ASE 2011 Scientific Sessions and the Exhibit & Poster Hall is by badge only. Please wear your name badge at all times when in the Palais des Congres. However, we recommend for your safety that name badges not be worn outside of the convention center.

ASE exhibitors may 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 e-mail address. ASE will not release e-mail 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 22nd 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 in Viger Hall on Level 2 of the Palais des Congres near the ASE Registration Counter. 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 at Ticketed Breakfast Sessions, and as such, you should include these sessions in your credit hours. CME/CEU credit is based on an honor system and credits claimed should only reflect the extent of your participation in the meeting.

EXHIBIT INFORMATION

Exhibit & Poster Hall

The ASE Exhibit & Poster Hall is located on Level 2 of the Palais des Congrès in 220cd. You will need your official ASE name badge for admission to the Exhibit & Poster Hall.

Exhibition & Abstracts Catalog



The *Exhibition & Abstracts Catalog* provides information on ASE 2011 Scientific Sessions original science, exhibit descriptions, booth locations, industry symposia and all activities taking place in the Exhibit & Poster Hall. Look in your ASE 2011 conference bag for your copy!

New 2011 Exhibit & Poster Hall Features

Connect@ASE

In February 2011, ASE launched a groundbreaking, proprietary social networking platform designed specifically for our members called Connect@ASE, <http://connect.asecho.org>. This new platform hosts the improved member directory, image library and discussion forums. Visit the Connect@ASE booth, located at ASE Headquarters booth #809, to learn more about what this site has to offer.

Free Wireless Internet

All attendees have access to wireless Internet no matter where they are in the Exhibit & Poster Hall. Access your e-mail, check-in for a flight or even communicate with your colleagues through Connect@ASE any time while visiting the exhibits or taking a coffee break!

Exhibit & Poster Hall Hours:

Sunday, June 129:30 am – 7:30 pm
Sunday, June 126:00 pm – 7:30 pm: President's Reception
Monday, June 139:30 am – 4:30 pm
Tuesday, June 149:30 am – 2:30 pm

ASE Headquarters Booth #809

Please take some time to visit us at ASE Headquarters booth #809 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.

Visit ASE Headquarters to learn more about the ASEF, including research grant opportunities, and make a donation to support future ASEF activities and grants. You are invited to play a role in the future of cardiovascular ultrasound and become a supporter of the ASEF. The ASEF 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. Information on upcoming ASEF charitable activities can be found in booth #809 and online at www.asefoundation.org.

Your ASE Membership

By registering for the ASE 22nd Annual Scientific Sessions you are now a member of ASE through December 31, 2011. 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 credits 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.

The newest, ASE-only member benefit is a Web 2.0 community called Connect@ASE. This site allows members to interact with other ASE members from around the world, as well as locally. With all these benefits, ASE membership is a great value and an essential investment for your career. Learn more about Connect and its features at ASE Headquarters booth #809.

ASE Product Sales

Enjoy free shipping when you purchase ASE products on site.

Location and Hours:

Saturday, June 11

- 9:00 am – 5:00 pm at the ASE Registration Counter in Viger Hall

Sunday, June 12

- 9:30 am – 7:30 pm in the ASE Headquarters booth #809
- 9:00 am – 5:00 pm at the ASE Registration Counter in Viger Hall

Monday, June 13

- 9:30 am – 4:30 pm in the ASE Headquarters booth #809
- 9:00 am – 5:00 pm at the ASE Registration Counter in Viger Hall

Tuesday, June 14

- 9:30 am – 2:30 pm in the ASE Headquarters booth #809
- 9:00 am – 5:00 pm at the ASE Registration Counter in Viger Hall

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 2011 Scientific Sessions. Don't miss your opportunity to be the first to purchase our brand-new products.

Check out ASE's newest educational products including:

- AUC for Echocardiography (Appropriate Use Criteria) (Single Insert)
- Pocket Guidelines Application for iPhone/iPad/iPod/iTouch
- Coding Reference Guide for Cardiovascular Ultrasound Laboratories (2011 Edition)
- Guidelines for the Echocardiographic Assessment of the Right Heart in Adults Poster and Insert

2011 EXHIBIT HALL HIGHLIGHTS

Echo Around the World

Booth #923

Lost luggage and middle seats won't be a problem when you visit "Echo Around the World." 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 has gone global! View our translated educational products and guideline documents in booth #923, as well as slides from our members' humanitarian trips around the world. Take a trip around the world of echocardiography; no jet lag required!



President's Reception

Sunday, June 12, 2011, 6:00 pm - 7:30 pm

All attendees are invited to the Exhibit & Poster Hall at the Palais des Congres to celebrate the ASE 22nd Annual Scientific Sessions and the presidency of Sanjiv Kaul, MD, FASE. Join Dr. Kaul for his welcoming remarks as well as an opportunity to meet Dr. Howard Dean 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. Admission is included in your registration fee and guest tickets can be purchased during the registration process.



FACILITY INFORMATION

Palais des Congres

1001 Place Jean-Paul-Riopelle
Montreal, Quebec H2Z 1H2
CANADA
Toll Free: (800) 268-8122
Phone: (514) 871-8122
Fax: (514) 871-9389
info@congresmtl.com
www.congresmtl.com

Information and Concierge Desk

An information desk is available for anyone visiting the convention center, located in Viger Hall near the ASE Registration Counter on Level 2 of the Palais des Congres. It is staffed by knowledgeable attendants who can answer questions about Montreal events and assist with dinner reservations. They can also provide directions on how to make the best of your free time to discover the city and its many attractions. Maps and pamphlets are also available.

Parking at Convention Center

Parking is available at the Palais des Congres at the Viger indoor car park. The parking lot is located at 1025 Chéneville, between Jeanne-Mance and Saint-Urbain. The cost is \$18.00 per day per vehicle or \$3.25 for every 20 minutes. Payments accepted are cash, Visa or MasterCard. All applicable taxes included. All prices are in Canadian dollars and subject to change without notice.

Metro

Use the orange line and get off at the Place-d'Armes station. The station is extremely convenient, linking directly with the Palais des Congres without even having to step outside. A map of the metro is available at any metro station. The closest metro stop to each ASE 2011 hotel can be found in the chart below:

Hotel	Closest Metro Stop
Delta Centre-Ville	Square-Victoria
Fairmont The Queen Elizabeth	Bonaventure
Hyatt Regency Montreal	Place-Des-Arts
Hotel InterContinental Montreal	Square-Victoria (walking to the Palais des Congres is the quickest option)
Le Westin Montreal	Place-D'Armes (walking to the Palais des Congres is the quickest option)

First Aid

An emergency medical professional will be available during the hours of the ASE 2011 meeting, as well as during set-up and break down of the entire event. In the event of a medical emergency please find a staff member or security guard to call the nurse on duty.

Security and Lost and Found

Palais security integrates advanced technology to ensure high quality service 24-7. Security is located on Level 1 of the Palais des Congres. The premises and their surroundings are constantly monitored through security patrols, surveillance cameras and an automated access control system linked to the building's Security Operations Centre. Security officers are all trained in first aid and fire prevention. Three cardiac defibrillators are stationed in strategic locations to help qualified staff intervene immediately in the event of an emergency. Questions regarding lost or found items can be directed to the ASE Registration Counter located on Level 2 of the Palais des Congres.

Luggage Storage and Coat Check

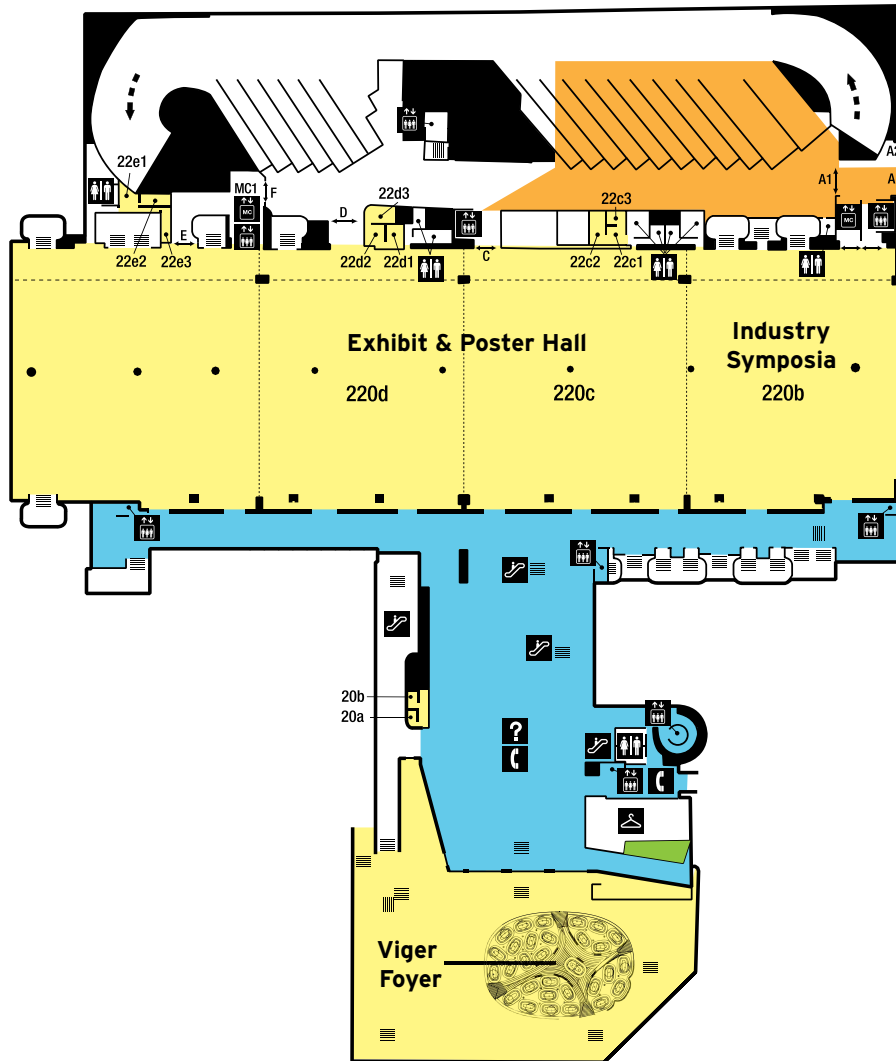
This service is located in Viger Hall and monitored by Palais des Congres staff. It is open on Monday and Tuesday only and accepts luggage during conference hours. The cost is \$5.00 CAD per bag. ASE is not responsible for missing luggage or other personal items.

Business Center

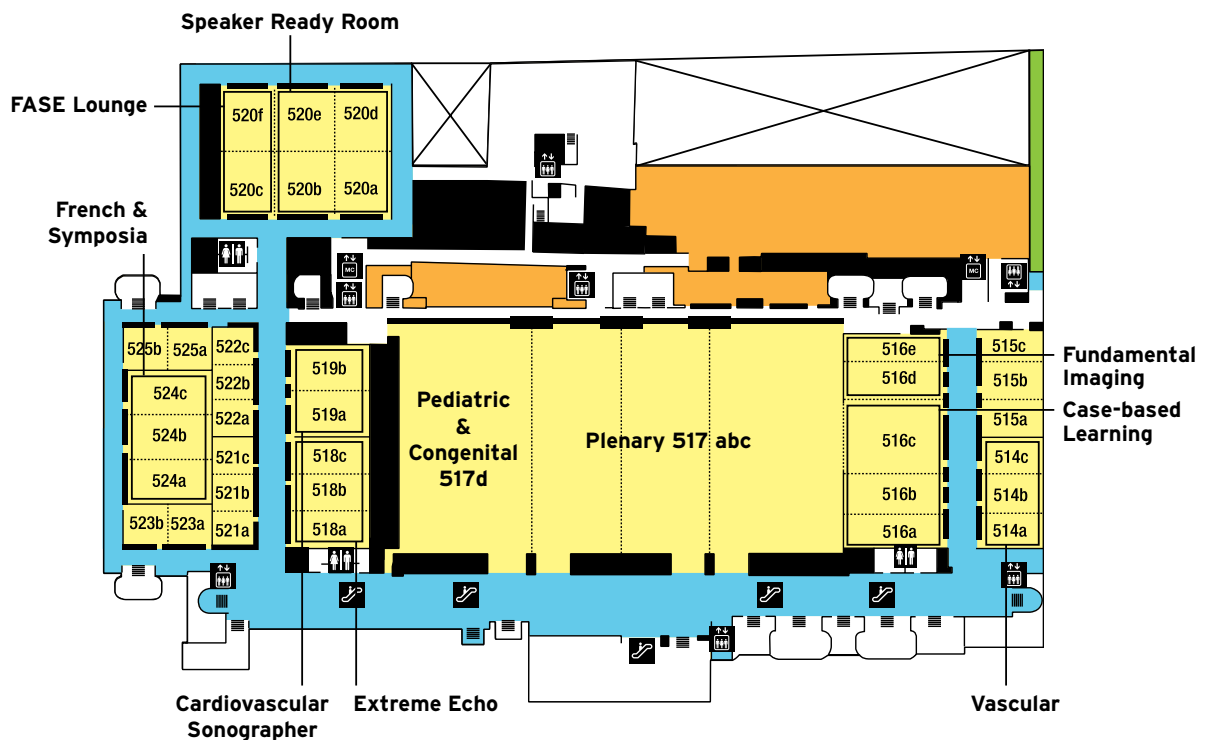
MP Reproductions is a full service photo and copy center located two blocks from the Palais des Congres at 210 de La Gauchetiere West. For questions about their services, call 877-677-3776. The Westin Montreal hotel (directly across from the Palais des Congres) has a self service photocopier that accepts credit cards. The price is \$0.50 CAD per page.

PALAIS DES CONGRES MAP (LEVELS 2 & 5)

Level 2



Level 5



ASE 2011 HOTEL INFORMATION & MAP

Delta Centre-Ville

777 University Street
Montreal, QC H3C 3Z7

Phone: 514-879-1370
Fax: 514-879-1831

Le Westin Montreal

270 Saint-Antoine Ouest
Montreal, QC H2Y 0A3

Phone: 514-380-3333
Fax: 514-380-3465

Fairmont The Queen Elizabeth

900 Rene Levesque Blvd. W
Montreal, QC H3B 4A5

Phone: 514-861-3511
Fax: 514-954-2296

Hotel InterContinental Montreal

360 Saint Antoine Street Ouest
Montreal, QC H2Y 3X4

Phone: 514-987-9900
Fax: 514-847-8550

Hyatt Regency Montreal

1255 Jeanne-Mance
Montreal, QC H5B 1E5

Phone: 514-982-1234
Fax: 514-285-1243



DOWNTOWN MONTRÉAL

American Society of Echocardiography 22nd Annual Scientific Sessions

Palais des congrès de Montréal (Montréal Convention Centre)

GENERAL INFORMATION & REGULATIONS

Food Functions

ASE will provide continental breakfast on Level 5 from 7:30 am – 8:30 am daily. Morning and afternoon coffee breaks are available for registered attendees in the Exhibit & Poster Hall Sunday, June 12 through Tuesday, June 14 and on Level 5 on Saturday, June 11. Please refer to the Schedule-at-a-Glance on pages 11-18 for the times of the daily morning, afternoon and lunch breaks. The award-winning caterer of the Palais des Congres will provide a wide variety of heart-healthy dining options for purchase in the Exhibit & Poster Hall during exhibit hours.

ASE will provide breakfast and lunch on a first-come, first-serve basis (max. 350 participants) for the Industry Symposia attendees held in Room 220b on Level 2. See page 7 of the *Exhibition and Abstracts Catalog* for a schedule of these symposia.

Internet Access

For your convenience, wireless Internet access is available during exhibit hours throughout the entire Exhibit & Poster Hall. Internet access and printers for attendee use are also available at the E-mail Kiosk. ASE thanks Cardiovascular Credentialing International™ (CCI), booth #818, for sponsoring the E-mail Kiosk.

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 22nd Annual Scientific Sessions is located in room 515a of the Palais des Congres. 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 2011 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.

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Children

Information about childcare is available at your hotel's concierge desk. 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 2011 Scientific Sessions. Children 12 and older must have a purchased guest registration before they will be allowed entry into the Exhibit & Poster Hall. Children 11 and younger, strollers and infant carriers are not permitted on the exhibit floor at any time.

SATURDAY HIGHLIGHTS



The AMERICAN SOCIETY
of ECHOCARDIOGRAPHY
EDUCATION and RESEARCH FOUNDATION
will be honoring the following award recipients at

THE 2nd ANNUAL ASE FOUNDATION AWARDS GALA

PHYSICIAN LIFETIME ACHIEVEMENT AWARD

Pravin M. Shah, MD
Hoag Heart and Vascular Center, Newport Beach, CA

SONOGRAPHER LIFETIME ACHIEVEMENT AWARD

David B. Adams, RCS, RDCS, FASE
Duke University Medical Center, Durham, NC

FEIGENBAUM LECTURER

Judy W. Hung, MD, FASE
Massachusetts General Hospital, Boston, MA

MERITORIOUS SERVICE AWARD

Diane S. Millman, JD
Powers, Pyles, Sutter and Verville P.C., Washington, DC

RICHARD POPP EXCELLENCE IN TEACHING AWARD

Jonathan R. Lindner, MD, FASE
Oregon Health and Science University, Portland, OR

PEDIATRIC AND CONGENITAL HEART DISEASE

FOUNDERS AWARD

James C. Huhta, MD
Congenital Heart Institute of Florida (CHIF), St. Petersburg, FL



A special thank you to those who purchased a table.
Your continued support of the ASE Foundation
is greatly appreciated.

ASE Foundation—Securing the future of cardiovascular ultrasound.
Proceeds from this event fund ASE research awards.

Council on Intraoperative Echocardiography Business Meeting & Awards Presentation

8:00 am – 8:30 am in Room 517abc

(Non-CME) All conference attendees with an interest in intraoperative ultrasound are invited to attend. An overview of council activities and opportunities for getting involved will be given. In addition, the 2011 travel award winners will be recognized during this time.

Welcome Reception

5:30 pm – 7:00 pm on the Palais Terrace, Level 7

(Non-CME) Toast the start of the 22nd Annual Scientific Sessions at this complimentary rooftop welcome reception at the Palais des Congres. Enjoy a beautiful view of the St. Lawrence River and Old Montreal while conversing with colleagues and friends.

Saturday Committee Meetings

Unless otherwise noted, all committee meetings are held on Level 5 of the Palais des Congres. Committee meetings are by invitation only.

Saturday, June 11, 2011

6:30 am – 8:00 am

- ASE Volunteer Orientation 514abc

8:30 am – 10:00 am

- JASE Editorial Review Board Meeting
Westin/Fortifications Room

10:00 am – 12:00 pm

- Publications Committee Meeting 521a

10:30 am – 12:30 pm

- Education Committee Meeting 521bc

12:15 pm – 1:30 pm

- Council on Intraoperative Ultrasound Board Meeting 521a

2:00 pm – 3:30 pm

- Finance, Strategy and Development Committee Meeting
522a

2:00 pm – 4:00 pm

- ASE/EAE Strain Standardization Task Force Meeting 521bc

3:30 pm – 5:00 pm

- International Relations Task Force Meeting 523a

SATURDAY, JUNE 11, 2011

Registration Open - 6:30 am - 7:00 pm

Exhibit & Poster Hall - Closed

Product Sales - 9:00 am - 5:00 pm at the Registration Counter

Speaker Ready Room Hours - 6:00 am - 5:00 pm

FASE Lounge Hours - 9:00 am - 4:00 pm

7:00 am - 8:30 am:

TB **3D Echo: Incorporating It Into Daily Practice** Room 519ab
Chair(s): I. Kronzon; C. Bruce

7:00 am - 7:30 am

- Best Practices - Introducing 3D Into the Workflow A. Gopal

7:30 am - 8:00 am

- 3D TEE - Why You Must Offer It As a Quality Service I. Kronzon

8:00 am - 8:30 am

- 3D Quantification of LV Volumes and Functions C. Bruce

7:00 am - 8:30 am:

TB **Diastolic Function: The Good, the Bad and the Unclassifiable**
Room 518abc - Chair(s): H. Dokainish; M. Quiñones

7:00 am - 7:20 am

- The Physiology of Diastole and Routine Measures M. Wood

7:20 am - 7:40 am

- Best Practices - What Should be Measured and Reported? H. Dokainish

7:40 am - 8:10 am

- The Heartbreak of Discrepant Indices G. Aurigemma

8:10 am - 8:30 am

- 3 Cases M. Quiñones; Panelist(s): G. Aurigemma; H. Dokainish; M. Wood

7:00 am - 8:30 am:

TB **Interventional Echo** Room 516de
Chair(s): F. Silvestry; L. Rodriguez

7:00 am - 7:20 am

- LA Appendage Closure S. Shah

7:20 am - 7:40 am

- Percutaneous Valve Repair F. Silvestry

7:40 am - 8:10 am

- ASD Closure and Complications L. Rodriguez

8:10 am - 8:30 am

- Pericardiocentesis - Beyond Subcostal Clearance - New Approaches to an Old Problem J. Plana

8:00 am - 8:30 am:

**Council on Intraoperative Echocardiography
Business Meeting & Awards Presentation**

Council Meeting (Non-CME) Room 517abc

Chair: K. Glas; Co-Chair: S. Reeves

8:30 am - 5:30 pm:

I **Council on Intraoperative Echocardiography
Symposium:
The Aortic Valve & Its Root**
Room 517abc

8:30 am - 10:15 am:

Echo-Surgical-Path Correlates: Aortic Valve Stenosis and Regurgitation - Chair(s): K. Glas; S. Reeves

8:30 am - 8:35 am

- Introduction K. Glas

8:35 am - 8:50 am

- Anatomic Correlates: Normal and Stenotic AV D. Shook; J. Walker

8:50 am - 9:05 am

- Predictions of Progression:
Can We Predict Best Timing of Treatment? C. Otto

9:05 am - 9:20 am

- Role of Echocardiography in the Surgical Planning for the AV Stenosis (TTE, TEE and 3D) A. Finley

9:20 am - 9:35 am

- Anatomic Correlates: Aortic Insufficiency D. Shook; J. Walker

9:35 am - 9:50 am

- Predictions of Progression: How to Time Surgery A. Raney

9:50 am - 10:15 am

- Role of Echocardiography in the Surgical Planning for AI Repair versus Replacement G. Pettersson; L. Rodriguez

10:30 am - 12:15 pm:

Aortic Valve Disease with a Dilated Root and Case Selection for Interventional Approaches - Chair(s): K. Glas; C. Troianos

10:30 am - 10:40 am

- Anatomic Correlates: The Aortic Root and Proximal Aorta J. Ikonomidis; D. Shook; J. Walker

10:40 am - 10:55 am

- Role of TEE and Advanced 3D Modeling in Surgical Planning for Aortic Root Disease A. Calleja

10:55 am - 11:10 am

- Case Selection: Transapical/Transfemoral AV Therapy B. Munt

11:10 am - 11:30 am

- Minimally Invasive Aortic Valve Surgery J. Walker

11:30 am - 11:45 am

- Apical Aortic Conduit for AS - When is it Necessary?
What are the Risks? V. Thourani

11:45 am - 12:15 pm

- Surgical Approach to the Aortic Root (Techniques and Outcomes) J. Ikonomidis

1:45 pm - 3:30 pm:

Controversies in Aortic Valve Disease
Chair(s): S. Reeves; M. Swaminathan

1:45 pm - 2:05 pm

- New Opportunities for 3D-Guided Intervention Therapy M. Monaghan

2:05 pm - 2:25 pm

- Identifying Complications from Interventional Aortic Valve Procedures J. Shanewise

2:25 pm - 2:50 pm

- Alternatives to Echocardiography: When are They Better and What Does the Surgeon Want? S. Abbara

2:50 pm - 3:30 pm

- Case Presentations - Panelist(s): K. Glas; J. Ikonomidis; J. Shanewise; J. Walker • Case 1: Multimodality Imaging: Does this Patient Really Have a Dissection? S. Weiss • Case 2: A-5 in an 80 year old: Surgical versus Interventional Approach H. Herrmann • Case 3: Patient Needs CABG/AVR: Diagnosis with Porcelain Aorta - Now What? M. Swaminathan

SATURDAY, JUNE 11, 2011

3:45 pm - 5:30 pm:

Complex Cases in Aortic Valve Disease

Chair(s): K. Glas; J. Ikonomidis; S. Reeves; J. Walker

3:45 pm - 4:00 pm

- Patient Prosthetic Mismatch *P. Pibarot*

4:00 pm - 4:07 pm

- Chair's Case Discussion

4:07 pm - 4:22 pm

- Unanticipated AS/AI in the Cardiac Surgical Patient *A. Fox*

4:22 pm - 4:30 pm

- Chair's Case Discussion

4:30 pm - 4:45 pm

- Isolated AS or a Combination of ASH/SAM *M. Keane*

4:45 pm - 4:52 pm

- Chair's Case Discussion

4:52 pm - 5:07 pm

- Limitations in Using Echocardiography to

Evaluate AS Severity *S. Sherman*

5:07 pm - 5:15 pm

- Chair's Case Discussion

5:15 pm - 5:30 pm

- Lessons Learned *S. Reeves*

8:30 am - 10:15 am:

CS Council on Cardiac Sonography Business Meeting and Awards Presentation Room 519ab

Council Meeting (Non-CME)

Chair(s): K. Horton; M. McCulloch

8:30 am - 8:45 am

- Update from the Sonographer Council *M. McCulloch*

8:45 am - 9:00 am

- Travel Awards *K. Horton*

9:00 am - 9:20 am

- Healthcare Reform *J. Rosenbloom*

9:20 am - 9:40 am

- Licensure Update *C. Mitchell*

9:40 am - 10:00 am

- Accreditation and Quality *S. Maisey*

10:00 am - 10:15 am

- Questions and Answers

K. Horton; S. Maisey; M. McCulloch; C. Mitchell; J. Rosenbloom

8:30 am - 10:15 am:

EE New Technologies and Imaging Modalities in the Evaluation of Patients with Cardiomyopathy and Pericardial Disease Room 518abc

Chair(s): A. Klein; H. Rakowski

8:30 am - 8:48 am

- Dilated Cardiomyopathy *S. Kort*

8:48 am - 9:06 am

- Non-Compaction Cardiomyopathy *N. Chung*

9:06 am - 9:24 am

- Hypertrophic Cardiomyopathy *H. Rakowski*

9:24 am - 9:39 am

- P1-01: Preserved Exercise Capacity in Patients with Reduced Left Ventricular Ejection Fraction Explained by Diastolic Function
T. Ohara (See page 23 in Exhibition & Abstract Catalog)

9:39 am - 9:57 am

- Restrictive Cardiomyopathy *F. Miller*

9:57 am - 10:15 am

- Pericardial Constriction *S. Lester*

8:30 am - 10:15 am:

FI Contrast 101 Room 516de

Chair(s): B. Byrd; A. Woo

8:30 am - 8:50 am

- Bubbles: What are They and How Do They Help? *P. Sengupta*

8:50 am - 9:05 am

- Safety Issues and the FDA: ASE Advocacy at Work *B. Byrd*

9:05 am - 9:20 am

- Bubbles, Settings and Protocols: What You Need to Know and Document? *J. Belcik*

9:20 am - 9:40 am

- Summary ASE Consensus Statement Ultrasonic Contrast Agents
S. Mulvagh

9:40 am - 10:05 am

- Contrast Applications in the Echo Lab: LVEF, Masses, Doppler and Beyond *P. Sengupta*

10:05 am - 10:15 am

- Editorial: Additive Value of Contrast: What is All the Fuss?
F. Villanueva

8:30 am - 10:15 am:

F Lésions Valvulaires: Structure et Fonction Room 524abc - Chair(s): L. Pierard; W. Zoghbi

8:30 am - 8:45 am

- MR - How Bad and Does it Leak *L. Pierard*

8:45 am - 9:00 am

- MS - Severity and Score? Surgery *E. Chammas*

9:00 am - 9:15 am

- AR - Morphology and Implications *A. Basmadjian*

9:15 am - 9:30 am

- AS - How to Perform a Comprehensive Study *G. Honos*

9:30 am - 9:45 am

- Echocardiographic Assessment of the TV - More than Just TR
A. Berrebi

9:45 am - 10:00 am

- How to Examine a Prosthetic Valve *C. Pitre*

10:00 am - 10:15 am

- Prosthetic Valve Dysfunction and Valve Patient Mismatch *P. Pibarot*

8:30 am - 3:30 pm:

PC Congenital Symposium: Echo-Surgical-Pathology Correlation Room 517d

8:30 am - 10:15 am:

Aortic Arch Anomalies

Chair: J. Kovalchin; Co-Chair: L. Tani

8:30 am - 8:55 am

- Pathology *S. Sanders*

8:55 am - 9:20 am

- Echocardiography *G. Kung*

9:20 am - 9:40 am

- Surgery *J. Gaynor*

9:40 am - 10:00 am

- Long-Term Follow-Up *M. Earing*

10:00 am - 10:15 am

- Discussion *M. Earing; J. Gaynor; J. Kovalchin; G. Kung; S. Sanders; L. Tani*

SATURDAY, JUNE 11, 2011

10:30 am - 12:15 pm:

Pulmonary Atresia and Intact Interventricular Septum

Chair: C. Altman; Co-Chair: A. Younoszai

10:30 am - 10:55 am

- Pathology *S. Sanders*

10:55 am - 11:20 am

- Echocardiography *G. Satou*

11:20 am - 11:40 am

- Surgery *J. Gaynor*

11:40 am - 12:05 pm

- Long-Term Follow-Up *J. Kovalchin*

12:05 pm - 12:15 pm

- Discussion *C. Altman; J. Kovalchin; J. Gaynor; S. Sanders; G. Satou; A. Younoszai*

1:45 pm - 3:30 pm:

Pulmonary Venous Anomalies

Chair: S. Srivastava; Co-Chair: A. Schultz

1:45 pm - 2:10 pm

- Pathology *S. Sanders*

2:10 pm - 2:35 pm

- Echocardiography *A. Schultz*

2:35 pm - 2:55 pm

- Surgery *J. Gaynor*

2:55 pm - 3:15 pm

- Long-Term Follow-Up *M. Puchalski*

3:15 pm - 3:30 pm

- Discussion *J. Gaynor; M. Puchalski; S. Sanders; A. Schultz; S. Srivastava*

10:30 am - 12:15 pm:

CS The Left Heart Room 519ab

Chair(s): D. Adams; B. Anderson

10:30 am - 10:50 am

- Left Ventricle Quantification: Structure and Function *B. Anderson*

10:50 am - 11:10 am

- LA - Size Matters *A. Morehead*

11:10 am - 11:30 am

- 3D: Viewing and Quantification *N. Tomson*

11:30 am - 11:55 am

- Stress Echo *J. Neary*

11:55 am - 12:15 pm

- LV Anomalies (Cases) *R. Palma*

10:30 am - 12:15 pm:

EE Flow Vortex Imaging Room 518abc

Chair(s): M. Belohlavek; J. Narula

10:30 am - 10:50 am

- Echocardiographic Particle Imaging: Velocimetry and Diastolic Flow Vortex Formation *M. Belohlavek*

10:50 am - 11:10 am

- Physiologic Basis of Vortex Flow Imaging *J. Narula*

11:10 am - 11:25 am

- Analysis of Vortex Flow Imaging in Normal and Dysfunctional LV's *P. Jiamsripong*

11:25 am - 11:35 am

- Analysis of Vortex Flow Imaging in Normal and Dysfunctional RV's *A. Pasipoularides*

11:35 am - 11:50 am

- Multiplane Analysis of Intraventricular Velocity Fields and Vortices *P. Sengupta*

11:50 am - 12:15 pm

- Clinical Implications of Altered Intraventricular Flow and Vortex Formation in Pacing and Prosthetic Valves *J. Voigt*

10:30 am - 12:15 pm:

F1 The Right Ventricle - What Do the New Guidelines Mean for Your Patient? Room 516de - Chair(s): K. Horton; L. Rudski

10:30 am - 10:45 am

- Overview: The New Guidelines: How Do They Apply to Your Patient *L. Rudski*

10:45 am - 11:00 am

- Right Ventricle Quantification: How to Perform a Complete Study *K. Horton*

11:00 am - 11:15 am

- 3D Assessment of the Right Ventricle - Are We There Yet? *J. DeCara*

11:15 am - 11:30 am

- Right Ventricle Function and Strain *A. Baron*

11:30 am - 11:45 am

- P3-30: Simplifying the Echocardiographic Assessment of Right Ventricular Performance in Chronic Pulmonary Hypertension *K. Edelman (See page 23 in Exhibition & Abstract Catalog)*

11:45 am - 12:00 pm

- Right Ventricle in ACHD *M. King*

12:00 pm - 12:15 pm

- Case - Arrhythmogenic Right Ventricle Cardiomyopathy *R. Weiss*

10:30 am - 12:15 pm:

F Défaillance Cardiaque Gauche: Panoplie de Maladies et Traitements Room 524abc - Chair(s): S. Lepage; M. Scherrer-Crosbie

10:30 am - 10:50 am

- Systolic Failure - The Spectrum of Disease *S. Lepage*

10:50 am - 11:10 am

- Diastolic Heart Failure *T. Gillebert*

11:10 am - 11:30 am

- New Echo Modalities for Assessing Systolic and Diastolic Function (3D, Strain and Speckle Tracking) *J. Buithieu*

11:30 am - 11:45 am

- CRT - Echo is Still Relevant in 2011! *M. Senechal*

11:45 am - 12:00 pm

- Secondary Cardiomyopathies - How Can Echo Help? *M. Scherrer-Crosbie*

12:00 pm - 12:15 pm

- Cases from Quebec *S. Chevalier*

1:45 pm - 3:30 pm:

CS The Right Heart Room 519ab

Chair(s): K. Chandrasekaran; K. Horton

1:45 pm - 2:05 pm

- Right Ventricle Quantification: New Guidelines *K. Horton*

2:05 pm - 2:25 pm

- Function and Outcome *K. Chandrasekaran*

2:25 pm - 2:45 pm

- 3D Right Ventricle *L. Vidmar*

2:45 pm - 3:10 pm

- Right Heart - Differential Diagnosis *E. Shea*

3:10 pm - 3:30 pm

- Pulmonary Hypertension Progression *P. Knoll*

SATURDAY, JUNE 11, 2011

1:45 pm - 3:30 pm:

EE **Advanced Applications of Contrast – How Can You Help the Patient?** Room 518abc - Chair(s): J. Lindner; T. Porter

1:45 pm - 2:05 pm

- Perfusion: Qualitative and Quantitative Assessment R. Senior

2:05 pm - 2:20 pm

- Stress Echo and Coronary Flow Reserve J. Tsutsui

2:20 pm - 2:35 pm

- P2-01: Assessment of Brown Adipose Tissue Perfusion by Contrast Ultrasound D. Baron (See page 23 in Exhibition & Abstract Catalog)

2:35 pm - 2:55 pm

- Vascular Imaging with Contrast J. Lindner

2:55 pm - 3:15 pm

- The Future: Therapy and Targeted Imaging with Contrast T. Porter

1:45 pm - 3:30 pm:

FI **Left Atrial Assessment and Volumes – Beyond M-Mode** Room 516de - Chair(s): B. Hoit; S. Sawada

1:45 pm - 2:00 pm

- How to Measure Left Atrial Volumes: 2D and 3D M. Bierig

2:00 pm - 2:20 pm

- Left Atrial Function: Conventional Doppler, Tissue Doppler and Strain M. Galderisi

2:20 pm - 2:35 pm

- Left Atrial in Diastolic Dysfunction and Heart Failure T. Tsang

2:35 pm - 2:55 pm

- Left Atrial Function in Systolic Heart Failure S. Sawada

2:55 pm - 3:15 pm

- Left Atrial Abnormalities in Other Cardiac Diseases L. Thomas

3:15 pm - 3:30 pm

- Left Atrial Volumes and Function in Patients with Atrial Fibrillation A. Klein

1:45 pm - 3:30 pm:

F **Évaluation Échocardiographique des Anomalies du Coeur Droit** (Joint session with the Jewish General Hospital – McGill University) Room 524abc - Chair(s): M. Blais; L. Rudski

1:45 pm - 2:10 pm

- How to Perform a Complete Examination of the Right Heart – Technical Considerations M. Blais

2:10 pm - 2:30 pm

- What are the Guidelines? L. Rudski

2:30 pm - 2:50 pm

- 3D Assessment of the Right Ventricle – Are We There Yet? I. Sebag

2:50 pm - 3:05 pm

- Right Ventricle Function and Strain G. Derumeaux

3:05 pm - 3:20 pm

- Right Ventricle in ACHD J. Therrien

3:20 pm - 3:30 pm

- Case – Arrhythmogenic Right Ventricular Cardiomyopathy F. Marcotte

3:45 pm - 5:30 pm:

CS **Echocardiography versus Other Modalities** Room 519ab Chair(s): K. Chin; M. Vannan

3:45 pm - 4:05 pm

- Other Modalities Pro's and Con's R. Davis

4:05 pm - 4:30 pm

- LV Function/Viability K. Chin

4:30 pm - 4:50 pm

- Cardiac Masses K. Collins

4:50 pm - 5:10 pm

- Valve Disease G. Vorobiof

5:10 pm - 5:30 pm

- Congenital Disease R. Novello

3:45 pm - 5:30 pm:

EE **Optimal Image Management in the Echo Lab** Room 518abc Chair(s): V. Rigolin; L. Sugeng

3:45 pm - 4:00 pm

- How Does ICAEL Affect Your Image Management Decisions? D. Orsinelli

4:00 pm - 4:15 pm

- 3D on a Daily Basis – Issues with Image Management D. Atherton

4:15 pm - 4:35 pm

- What Constitutes an Ideal Reporting/Imaging System? R. Stainback

4:35 pm - 4:55 pm

- Fusion Imaging – Adding Benefit or Just More Gigabytes? A. Sinusas

4:55 pm - 5:15 pm

- When Your Server Goes South: How to Deal with an Emergency Before It Happens M. Hayes

5:15 pm - 5:30 pm

- When Your Server Goes South: How to Deal with an Emergency When It Happens V. Rigolin

3:45 pm - 5:30 pm:

FI **The Patient with TIA and CVA** Room 516de Chair(s): H. Herrmann; A. Poppas

3:45 pm - 4:05 pm

- PFO – When to Close and How? H. Herrmann

4:05 pm - 4:25 pm

- The Pregnant Patient – What Next? A. Poppas

4:25 pm - 4:40 pm

- Evaluation of the Aorta for Cardiac Source of Embolism R. Erbel

4:40 pm - 5:00 pm

- Atrial Fibrillation – Assessment by Echocardiography M. Stoddard

5:00 pm - 5:15 pm

- LAA Occlusion S. Lerakis

5:15 pm - 5:30 pm

- Questions and Answers R. Erbel; H. Herrmann; S. Lerakis; A. Poppas; M. Stoddard

3:45 pm - 5:30 pm:

F **Les Meilleurs cas du Monde Francophone** Room 524abc Chair(s): J. Dumesnil; P. Lancellotti

3:45 pm - 4:00 pm

- Endocarditis G. Habib

4:00 pm - 4:15 pm

- Stress Echo for MR P. Lancellotti

4:15 pm - 4:30 pm

- Echo-Guided Treatment of Mitral Stenosis G. Kiwan

4:30 pm - 4:45 pm

- Viability – MRI J. Afilalo

4:45 pm - 5:00 pm

- Systemic Disease M. Palardy

5:00 pm - 5:15 pm

- Cardiac Masses D. Gilon

5:15 pm - 5:30 pm

- Dysynchrony A. Chen-Tournoux

3:45 pm - 5:30 pm:

PC **Echo Jeopardy – Pediatric Style** Room 517d Chair: M. Brook

Team Europe: D. Coleman; J. Marek

Team Canada: T. Cavalle-Garrido; L. Mertens

Team USA: P. Barker; T. Slesnick

JASE

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SUNDAY HIGHLIGHTS

Japanese Society of Echocardiography Session

10:45 am – 12:15 pm in Room 516de

3D for assessing MR: The Good, the Bad, and the Ugly

A special joint session with the Japanese Society of Echocardiography discussing clinical applications of 3D echocardiography in the assessment of mitral regurgitation.

Council on Pediatric Congenital Heart Disease Business Meeting & Awards Presentation

12:15 pm – 1:45 pm in Room 517d

(Non-CME) All conference attendees with an interest in pediatric and congenital heart disease are invited to attend this meeting, which will provide an overview of council activities and opportunities for getting involved. In addition, the 2011 travel award winners will be recognized during this time.

European Association of Echocardiography Session

1:45 pm – 3:15 pm in Room 518abc

3D Echo: Ready for Prime Time

One of two joint sessions with the European Association of Echocardiography. This session covers clinical applications of 3D echocardiography. Learn from the 3D experts worldwide!

22nd Annual Edler Lecture and Awards Presentation/ASE Business Meeting

4:00 pm – 6:00 pm in Room 517abc

Following the annual ASE Business Meeting, the Society will honor the recipients of the Meritorious Service Award, Richard Popp Excellence in Teaching Award, Alan D. Waggoner Student Scholarship Awards, Honorary FASE Awards, Pediatric Founder Award and two Lifetime Achievement Awards. In addition, ASE's incoming president, James D. Thomas MD, FASE, will address the audience with an overview of his plan for the year ahead. Created in 1990, the annual Edler Lecture honors the founder of echocardiography, Inge Edler, MD. Join this year's elected Edler Lecturer, Governor Howard Dean, MD, in his discussion of the healthcare environment.

President's Reception

6:00 pm – 7:30 pm in the Exhibit & Poster Hall, 220cd

(Non-CME) All attendees are invited to the Exhibit & Poster Hall at the Palais des Congres to celebrate the ASE 22nd Annual Scientific Sessions and the presidency of Sanjiv Kaul, MD, FASE. Join Dr. Kaul for his welcoming remarks as well as an opportunity to meet Dr. Howard Dean 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. Admission is included in your registration fee and guest tickets can be purchased during the registration process.

ASE Coding and Reimbursement Sessions

Located in Room 523b

(Non-CME) Visit ASE booth #809 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:

10:00 am – 12:00 pm Sunday – Tuesday

Sunday Committee Meetings

Unless otherwise noted, all committee meetings are held on Level 5 of the Palais des Congres. Committee meetings are invitation only.

Sunday, June 12, 2011

8:00 am – 10:00 am

- Educational Products Task Force Meeting 521a

8:00 am – 10:00 am

- Public Relations Committee Meeting 522bc

9:00 am – 11:00 am

- ACCME Committee Meeting 521bc

10:00 am – 10:45 am

- Nominating Committee Meeting 522a

12:00 pm – 1:30 pm

- Advanced Cardiovascular Sonographer Task Force 522a

12:00 pm – 1:30 pm

- Research Committee Meeting 521a

12:15 pm – 1:45 pm

- Membership Steering Committee Meeting 522bc

12:15 pm – 2:15 pm

- Advocacy Committee Meeting 521bc

2:00 pm – 3:45 pm

- Council on Vascular Ultrasound Board Meeting 521a

SUNDAY, JUNE 12, 2011

Registration Open - 6:30 am - 7:00 pm

Exhibit & Poster Hall - 9:30 am - 7:30 pm

Product Sales - 9:00 am - 5:00 pm at the ASE Registration Counter

Speaker Ready Room Hours - 6:30 am - 4:30 pm

FASE Lounge Hours - 9:00 am - 4:00 pm

8:30 am - 3:15 pm:

S The Patient with Congestive Heart Failure Symposium Room 517abc

8:30 am - 10:00 am:

Assessing the Patient with Congestive Heart Failure

Chair(s): *T. Marwick; Z. Popovic*

8:30 am - 8:45 am

- The Changing Spectrum of Heart Failure *M. Wood*

8:45 am - 9:00 am

- Systolic Heart Failure from the Myocyte to the Ventricle *S. Litwin*

9:00 am - 9:15 am

- Methods to Evaluate LV Function - Beyond EF *T. Marwick*

9:15 am - 9:30 am

- Multimodality Imaging to Define Ischemic From Non-Ischemic *M. Desai*

9:30 am - 9:45 am

- P1-36: The Prognostic Value of a New Tissue Doppler Parameter in Patients with Heart Failure *C. Mornos (See page 23 in Exhibition & Abstracts Catalog)*

9:45 am - 10:00 am

- Echo and Stem Cells in the Treatment of Heart Failure *Z. Popovic*

10:45 am - 12:15 pm:

Assessing the Patient with Diastolic Heart Failure

Chair(s): *L. Badano; V. Rigolin*

10:45 am - 11:00 am

- Heart Failure with Preserved EF - The Epidemic *G. Aurigemma*

11:00 am - 11:15 am

- Why Does the Heart Get Stiff? From Myocyte to Ventricle *W. Little*

11:15 am - 11:30 am

- Implementation of the ASE/EAE Diastology Guidelines *J. Oh*

11:30 am - 11:45 am

- P1-37: Effect of Coronary Artery Disease on Echocardiographic Parameters and Outcomes in Heart Failure with Preserved Ejection Fraction *D. Gupta (See page 23 in Exhibition & Abstracts Catalog)*

11:45 am - 11:55 am

- Debate Side 1: We Can Measure Diastolic Function *J. Oh*

11:55 am - 12:05 pm

- Debate Side 2: We Can Not Measure Diastolic Function *A. Labovitz*

12:05 pm - 12:15 pm

- Rebuttal *A. Labovitz; J. Oh*

1:45 pm - 3:15 pm:

Beyond Congestive Heart Failure: LVAD and Transplant

Chair(s): *R. Hahn; R. Sicari*

1:45 pm - 2:00 pm

- Clinical Perspectives of Heart Transplantation in 2011 *M. White*

2:00 pm - 2:15 pm

- Assessing the Marginal Donor *T. Bombardini*

2:15 pm - 2:30 pm

- P3-42: Pre-operative Speckle-tracking Imaging for Prediction of Post-device Right Ventricular Failure and the Need of Right Ventricular Assist Device in Patients Undergoing Left Ventricular Assist Device Implantation *L. Wang (See page 24 in Exhibition & Abstracts Catalog)*

2:30 pm - 2:50 pm

- Assist Devices: Echocardiography in Clinical Decision Making Pre- and Post- *W. Vernick*

2:50 pm - 3:10 pm

- Post-Transplant Echocardiography Evaluations (Can We Monitor Rejection Non-Invasively) *B. Ky*

3:10 pm - 3:15 pm

- Chair Recap *R. Hahn; R. Sicari*

8:30 am - 10:00 am:

S Prosthetic Valves: What Do the Guidelines Mean?

Room 524abc - Chair(s): *L. Sugeng; L. Rodriguez*

8:30 am - 8:45 am

- Common Prosthetic Valves - Form and Function *D. Mehlman*

8:45 am - 9:00 am

- Using the ASE Guidelines to Assess Prosthetic Function *L. Sugeng*

9:00 am - 9:15 am

- Abnormal AV Prosthesis - True Dysfunction *L. Rodriguez*

9:15 am - 9:30 am

- Abnormal AV Prosthesis - Patient Valve Mismatch *P. Pibarot*

9:30 am - 9:45 am

- Evaluation of the Abnormal Mitral Valve Prosthesis *S. Goldstein*

9:45 am - 10:00 am

- Dysfunction of the Mitral Valve Annuloplasty Ring *D. Shook*

8:30 am - 10:00 am:

CL 3D: Couldn't See Without It Room 516abc

Chair(s): *L. Gillam; M. Takeuchi*

8:30 am - 8:50 am

- Review of the State of the Art and Anatomy: TTE and TEE *M. Keane*

8:50 am - 9:05 am

- 3D Assessment of Degenerative MV Disease *N. Akhter*

9:05 am - 9:15 am

- Degenerative Disease - It Is Not Just the Scallops *P. Sears-Rogan*

9:15 am - 9:30 am

- Aortic Valve and Root Assessment for Percutaneous Valve Repair *L. Gillam*

9:30 am - 9:45 am

- LV Assessment - EF and WMA with Contrast *S. Mulvagh*

9:45 am - 10:00 am

- Further Assessment of the LV Morphology and Function *M. Saric*

SUNDAY, JUNE 12, 2011

8:30 am - 10:00 am:

CS **Relax! Basic Diastology** Room 519ab
Chair(s): D. Agler; B. Haluska

8:30 am - 8:50 am

- Measurements for a Comprehensive Diastolic Exam D. Agler

8:50 am - 9:10 am

- Tissue Doppler Waveforms 101 M. Umland

9:10 am - 9:30 am

- Discrepancies in Assessment A. Armour

9:30 am - 9:50 am

- Case-Based Approach to Diastology H. Dokainish

9:50 am - 10:00 am

- Questions and Answers D. Agler; A. Armour; H. Dokainish; B. Haluska; M. Umland

8:30 am - 10:00 am:

EE **Interventional Echo** Room 518abc
Chair(s): H. Herrmann; F. Silvestry

8:30 am - 8:55 am

- Interventionalist's Perspective and Echocardiographer's Perspective - 2 Cases of Percutaneous MV Repair and PBV of the MV H. Herrmann; F. Silvestry

8:55 am - 9:10 am

- LAA Occlusion S. Lerakis

9:10 am - 9:30 am

Closing Paravalvular Leaks H. Herrmann

9:30 am - 9:45 am

- ASD Closure - Picking the Patient and the Device S. Chandra

9:45 am - 10:00 am

- Percutaneous Valve Trials - What Does the Data Say About How to Treat Our Patients H. Herrmann

8:30 am - 10:00 am:

FI **Assessing the Mitral Valve 1** Room 516de
Chair(s): R. Manjuran; G. Restrepo

8:30 am - 8:50 am

- The World's Spectrum of Mitral Valve Disease R. Manjuran

8:50 am - 9:05 am

- Myxomatous Mitral Valve Disease: The Role of Echo in Defining Anatomy, Disease Presentation and Management Asymptomatic V. Rigolin

9:05 am - 9:25 am

- Functional and Ischemic Mitral Regurgitation J. Mohan

9:25 am - 9:40 am

- P2-22: Exercise Hemodynamics by Doppler Echocardiography Following Mitral Valve Repair for Degenerative Mitral Regurgitation S. Chen (See page 23 in Exhibition & Abstracts Catalog)

9:40 am - 10:00 am

- Quantifying Mitral Regurgitation: Are We There Yet? F. Miller

8:30 am - 10:00 am:

PC **What's New in Pediatric Echo?** Room 517d
Chair: G. Ensing; Co-Chair: J. Nielsen

8:30 am - 8:50 am

- TEE: Micro TEE and Beyond G. Shirali

8:50 am - 9:15 am

- Where Are We with Pediatric Biventricular Pacing and Resynchronization? M. Friedberg

9:15 am - 9:35 am

- Echo in the Cath Lab: Assessment of Catheter-Based Interventions A. Dorfman

9:35 am - 10:00 am

- Role of Echo in the Screening for Cardiomyopathies, Syndromes and Metabolic Disease L. Lopez

10:45 am - 12:15 pm:

S **Echo in Healthcare Reform** Room 524abc
Chair(s): W. Manning; P. Pellikka

10:45 am - 11:00 am

- Healthcare Reform: What Does it Mean for Echo? A. Pearlman

11:00 am - 11:15 am

- The Appropriateness Criteria: Learn Them Because the Insurance Companies Will N. Weissman

11:15 am - 11:30 am

- Point of Care Devices for Assessment: How Can We Apply Them? R. Ward

11:30 am - 11:45 am

- Is Rational Multimodality Imaging Achievable? W. Manning

11:45 am - 12:00 pm

- Evidence and Quality - Issues for Echocardiography M. Picard

12:00 pm - 12:15 pm

- Improving Efficiency - A Means of Survival P. Pellikka

10:45 am - 12:15 pm:

CL **Stress Tests: You Be the Judge!** Room 516abc
Chair(s): R. Grimm; J. Lowenstein

10:45 am - 11:00 am

- Overview of Stress Testing: Protocols R. Grimm

11:00 am - 11:24 am

- Case 1 and 2: CAD J. Lowenstein

11:24 am - 11:36 am

- Case 2: CAD L. Thomas

11:36 am - 11:48 am

- Case 3: What Else is There? K. Kurrelmeyer

11:48 am - 12:00 pm

- Case 4: Pulmonary HTN M. Bansal

12:00 pm - 12:15 pm

- Case 5: Contrast Use R. Grimm

10:45 am - 12:15 pm:

CS **Relax! Advanced Diastology** Room 519ab
Chair(s): B. Haluska; S. Nagueh

10:45 am - 11:00 am

- Basics of Strain B. Haluska

11:00 am - 11:15 am

- Strain versus Strain Rate S. Nagueh

11:15 am - 11:35 am

- 3D Strain R. Meece

11:35 am - 11:55 am

- Torsion J. Hill

11:55 am - 12:15 pm

- CRT Optimization S. Kachline

SUNDAY, JUNE 12, 2011

10:45 am - 12:15 pm:

EE **Rapid Fire Abstracts - Myocardial Mechanics** Room 518abc
Chair(s): P. Sengupta; W. Zoghbi

- P1-58: Left Ventricular Mechanics in Patients with Advanced Diastolic Dysfunction and Normal Ejection Fraction S. Carasso (See page 23 in Exhibition & Abstracts Catalog)
- P1-59: The Impact of Acute Afterload Increase on Left Ventricular Torsion R. Weiner (See page 23 in Exhibition & Abstracts Catalog)
- P1-60: Reversal of Changes in Twist Mechanics during Acute Severe Right Ventricular Overload P. Jiamsripong (See page 23 in Exhibition & Abstracts Catalog)
- P1-61: Measurement of the Epicardial to Endocardial Systolic Shear in Normal Individuals: Preliminary Evaluation with Velocity Vector Imaging Z. Zichittella (See page 24 in Exhibition & Abstracts Catalog)
- P1-62: Development and Validation of Integrated Shape and RF-based Speckle Tracking for Evaluation of Regional Myocardial Deformation B. Lin (See page 24 in Exhibition & Abstracts Catalog)
- P1-63: Single-beat Determination of Global Longitudinal Speckle Strain in Patients with Atrial Fibrillation K. Yamaguchi (See page 24 in Exhibition & Abstracts Catalog)
- P1-64: Circumferential Strain Measurement by New Speckle Tracking Echocardiography Software - Evaluation Against Tagged Magnetic Resonance Image: The Multi-Ethnic Study of Atherosclerosis (MESA) A. Almeida (See page 24 in Exhibition & Abstracts Catalog)
- P1-65: Modeling the Heart in Space from Echocardiographic Strain Data Collected on the International Space Station S. Anwar (See page 24 in Exhibition & Abstracts Catalog)
- P1-66: Are Three-Dimensional Echocardiographic Measurements of Myocardial Deformation Interchangeable Between Vendors? E. Gayat (See page 24 in Exhibition & Abstracts Catalog)
- P1-67: Comparison Between Block-Matching and Optical Flow Techniques for Myocardial Strain Quantification by Two-Dimensional Speckle Tracking Echocardiography C. Silva (See page 24 in Exhibition & Abstracts Catalog)

10:45 am - 12:15 pm:

3D Echo in the Assessment of Mitral Regurgitation (Joint session with the Japanese Society of Echocardiography)

FI Room 516de - Chair(s): J. Hung; K. Yoshida

10:45 am - 11:05 am

- Mitral Valve Prolapse M. Daimon

11:05 am - 11:25 am

- Beyond the Scallops - Mitral Valve Chordal Assessment and Repair P. Sears-Rogan

11:25 am - 11:45 am

- Ischemic Mitral Regurgitation M. Takeuchi

11:45 am - 12:05 pm

- Mitral Valve Repair, Surgical and Percutaneous: What is the Data? F. Silvestry

12:05 pm - 12:15 pm

- Case Presentation Y. Abe

10:45 am - 12:15 pm:

PC **State of the Art: Assessing the Pediatric Patient with Ventricular Dysfunction** Room 517d
Chair: W. Border; Co-Chair: M. Friedberg

10:45 am - 11:05 am

- Iatrogenic Cardiomyopathy: Evaluation after Chemotherapy R. Pignatelli

11:05 am - 11:25 am

- Pericardial Disease: Assessment of and Impact on Cardiac Function R. Williams

11:25 am - 11:45 am

- Assist Device Assessment (Berlin, LVAD and ECMO) B. Soriano

11:45 am - 12:05 pm

- Diastolic Function: Can We Correlate with Heart Failure and Outcome? B. Eidem

12:05 pm - 12:15 pm

- Discussion W. Border; B. Eidem; M. Friedberg; R. Pignatelli; B. Soriano; R. Williams

12:15 pm - 1:45 pm:

Council on Pediatric and Congenital Heart Disease Business Meeting and Awards Presentation Room 517d
Council Meeting (Non-CME) - Chair: W. Lai; Co-Chair: B. Eidem

1:45 pm - 3:15 pm:

S **Ethics in Echo** Room 524abc
Chair(s): R. Kerber; J. Kirkpatrick

1:45 pm - 2:15 pm

- Controversies in Interpretation
Mini Case Presentation on Ethical Considerations B. Williams-Jones
Mini Case Presentation on the Discussion of Quality Considerations J. Kirkpatrick

2:15 pm - 2:45 pm

- Humanism and Truth Telling in Echo: Technicians as the Compassionate Ear: What Did You See? How Should the Tech Respond? How Should the Echocardiographer Respond? A. Emmi; R. Kerber; P. Knoll

2:45 pm - 3:15 pm

- Debate Side 1: Echo is the Most Ethical Imaging Modality N. Pandian
- Debate Side 2: Echo is Not the Most Ethical Imaging Modality W. Manning

1:45 pm - 3:15 pm:

CL **Lumps, Bumps and All Kinds of Masses** Room 516abc
Chair(s): K. Eberman; M. Main

1:45 pm - 2:00 pm

- Unknown Case 1 M. Galderisi

2:00 pm - 2:15 pm

- Unknown Case 2 R. Weiss

2:15 pm - 2:30 pm

- Unknown Case 3 K. Eberman

2:30 pm - 2:50 pm

- Unknown Case 4 and 5: Does Perfusion Help? Y. Deng

2:50 pm - 3:10 pm

- Unknown Case 6 and 7: Contrast Use M. Main

3:10 pm - 3:15 pm

- Questions and Answers Y. Deng; K. Eberman; M. Galderisi; M. Main; R. Weiss

SUNDAY, JUNE 12, 2011

1:45 pm - 3:15 pm:

CS **The Difficult Case: What Do You Do with Poor Quality Studies?** Room 519ab - Chair(s): C. Kramer; B. Roberts

1:45 pm - 2:00 pm

- Ergonomics *M. Bremer*

2:00 pm - 2:15 pm

- Diastolic Function *C. Kramer*

2:15 pm - 2:35 pm

- The Questionable LV - Contrast and Beyond *B. Roberts*

2:35 pm - 2:55 pm

- Valve Quantification: AS versus MR *B. Anderson*

2:55 pm - 3:15 pm

- Exercise/Pharm Stress Echo: Contrast and Beyond *E. Gill*

1:45 pm - 3:15 pm:

EE **3D Echo: Ready for Prime Time! (Joint session with the European Association of Echocardiography)** Room 518abc
Chair(s): R. Lang; M. Monaghan

1:45 pm - 2:00 pm

- Overview: Development and Applications of 3D *M. Monaghan*

2:00 pm - 2:30 pm

- Applications in Stress Echo *R. Lang*

2:30 pm - 2:45 pm

- 3D Quantification of MR *W. Tsang*

2:45 pm - 3:00 pm

- P2-26: Novel Four-Dimensional Indices Derived from Real-Time Three-Dimensional Echocardiography Predict Response to Cardiac Resynchronization Therapy *A. Wahle* (See page 24 in *Exhibition & Abstracts Catalog*)

3:00 pm - 3:15 pm

- 3D TEE in the Operating Room - Icing or Cake? *V. Lennie*

1:45 pm - 3:15 pm:

FI **Endocarditis: What is the New Data?** Room 516de
Chair(s): G. Habib; A. Sanfilippo

1:45 pm - 2:00 pm

- Overview: The Scope of the Problem *A. Poppas*

2:00 pm - 2:15 pm

- Diagnosis by Echo - When is Enough, Enough? *M. Vieira*

2:15 pm - 2:30 pm

- Surgery for Active Endocarditis - When to Operate? *G. Habib*

2:30 pm - 2:45 pm

- Surgery for Endocarditis - Repair versus Replacement *C. Taub*

2:45 pm - 3:00 pm

- Antibiotic Prophylaxis - Can We Reconcile the Guidelines from Across the Pond? *A. Bolger*

3:00 pm - 3:15 pm

- Intraoperative Assessment - How to Avoid Surprises *S. Weiss*

1:45 pm - 3:15 pm:

PC **Oral Abstracts** Room 517d
Chair: M. Lewin; Co-Chair: W. Border

1:45 pm - 1:55 pm

- P1-68: Effects of Right Ventricular Hemodynamic Burden and Geometry on Right and Left Ventricular Vorticity Fields in Tetralogy of Fallot: A High Resolution Echo Contrast Particle Imaging Velocimetry Study *S. Kutty* (See page 24 in *Exhibition & Abstracts Catalog*)

1:55 pm - 1:58 pm

- Questions and Answers

1:58 pm - 2:08 pm

- P1-69: Ventricular and Myocardial Performance and Their Relation to Cardiac Index in Infants after Surgery for Congenital Heart Disease *M. Friedberg* (See page 25 in *Exhibition & Abstracts Catalog*)

2:08 pm - 2:11 pm

- Questions and Answers

2:11 pm - 2:21 pm

- P1-70: Systemic Right Ventricular Function in Adults with Transposition of the Great Arteries Post Initiation of β -Blocker Therapy: Insights from Strain Echocardiography *A. Kalogeropoulos* (See page 25 in *Exhibition & Abstracts Catalog*)

2:21 pm - 2:24 pm

- Questions and Answers

2:24 pm - 2:34 pm

- P1-71: Tethering of the Ventricular Septum Affects Left Ventricular Mechanics: A Study of Circumferential Strain and Strain Rate Comparing Children with Pulmonary Hypertension to Normal Controls *B. Landeck* (See page 25 in *Exhibition & Abstracts Catalog*)

2:34 pm - 2:37 pm

- Questions and Answers

2:37 pm - 2:47 pm

- P1-72: Insulin Resistance is a Determinant of Cardiac Dysfunction in Obese Children *G. Singh* (See page 25 in *Exhibition & Abstracts Catalog*)

2:47 pm - 2:50 pm

- Questions and Answers

2:50 pm - 3:00 pm

- P1-73: Prenatal Lethality and Cardiac Function in a Mouse Model of Barth Syndrome *C. Phoon* (See page 25 in *Exhibition & Abstracts Catalog*)

3:00 pm - 3:03 pm

- Questions and Answers

3:03 pm - 3:13 pm

- P1-74: Clinical Implications of Cerebral Vasodilation in Fetuses with Single Ventricle Physiology and Systemic Outflow Obstruction *A. Krishnan* (See page 25 in *Exhibition & Abstracts Catalog*)

3:13 pm - 3:15 pm

- Questions and Answers

4:00 pm - 6:00 pm:

ASE 22nd Annual Edler Lecture and Awards Presentation/ASE Business Meeting Room 517abc - Special Session

4:00 pm - 4:05 pm

- Welcome and Scientific Sessions Highlights *S. Wieggers*

4:05 pm - 4:06 pm

- Announcement of the ASE Annual Membership Business Meeting: Call to Order *S. Kaul*

4:06 pm - 4:08 pm

- Review of June 2010 Minutes *P. Knoll*

4:08 pm - 4:13 pm

- Treasurer's Report *N. Weissman*

4:13 pm - 4:20 pm

- Executive Committee and Board of Directors Announcements *S. Kaul*

4:20 pm - 4:25 pm

- State of the ASE Report *S. Kaul*

4:25 pm - 4:40 pm

- Incoming President's Address *J. Thomas*

4:40 pm - 5:00 pm

- ASE 2011 Awards *S. Kaul*

5:00 pm - 5:05 pm

- Alan D. Waggoner, MHS, RDCS, Sonographer Student Scholarships *S. Kaul*

5:05 pm - 5:15 pm

- 2011 Honorary FASE Awards *S. Kaul*

5:15 pm - 5:18 pm

- Introduction of Governor Howard Dean, MD *S. Kaul*

5:18 pm - 5:50 pm

- Edler Lecture: "Healthcare Reform: What It Means to Patients as well as Physicians" *H. Dean*

5:50 pm - 6:00 pm

- Adjourn *S. Kaul*

MONDAY PROGRAM HIGHLIGHTS

ASE Coding and Reimbursement Sessions

Located in Room 523b

(Non-CME) Visit ASE booth #809 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: **10:00 am – 12:00 pm** Sunday – Tuesday

Council on Vascular Ultrasound Business Meeting & Awards Presentation

8:00 am – 8:30 am in Room 514abc

(Non-CME) All conference attendees with an interest in vascular ultrasound are invited to attend this meeting, which will provide an overview of council activities and opportunities for getting involved. In addition, the 2011 travel award winners will be recognized during this time.

European Association of Echocardiography Session

8:30 am – 10:00 am in Room 518abc

Myocardial Mechanics: Strain & Beyond

The second of two joint sessions with the European Association of Echocardiography discusses echocardiographic assessment of myocardial mechanics and the potential applications in daily practice.

2011 Arthur E. Weyman Young Investigator's Award Competition & 12th Annual Feigenbaum Lecture

10:45 am – 12:15 pm in Room 517abc

Enjoy this presentation of the 12th annual ASE Scientific Sessions Feigenbaum Lecture given by Judy Hung, MD, FASE. 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. The 2011 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, will also be held during this time. Several outstanding young investigators will present their research and compete for first prize.

NEW! "3 of a Kind: An Echo Game"

5:30 pm – 7:00 pm in Room 517abc

Join Host Randy Martin, MD, FASE and game creator David A. Adams, RCS, RDCS, FASE for a unique, challenging audience-participation experience. You get to choose your own team, captained by either Mark J. Monaghan, FRCP (Hon), PhD, FESC; Harry Rakowski, MD, FASE; or Vera H. Rigolin, MD, FASE. See if you can beat your fellow attendees to discover "Which image doesn't fit." before they do.

Mark Critch

7:00 pm – 7:30 pm in Room 517abc



(Non-CME) ASE is pleased to host special guest, Mark Critch. Mr. Critch is a comedian from Newfoundland and Labrador. He wrote on "This Hour Has 22 Minutes" and is now a star after two appearances in the 10th Season and recurring in Seasons 11 and 12. He is also the host of CDC TV's Halifax Comedy Festival.

Monday Committee Meetings

Unless otherwise noted, all committee meetings are held on *Level 5* of the Palais des Congres. Committee meetings are invitation only.

Monday, June 13, 2011

8:00 am – 10:00 am

- FASE Committee Meeting 521a

8:30 am – 10:00 am

- Information Technology Committee Meeting 522bc

12:00 pm – 2:00 pm

- Council on Cardiac Sonography Board Meeting 521a

12:15 pm – 1:45 pm

- Guidelines and Standards Committee Meeting 521bc

1:00 pm – 3:00 pm

- Extra-Mural Research Committee Meeting 522bc

3:15 pm – 4:00 pm

- Bylaws and Ethics Committee Meeting 521a

MONDAY, JUNE 13, 2011

Registration Open - 6:30 am - 7:00 pm

Exhibit & Poster Hall - 9:30 am - 4:30 pm

Product Sales - 9:00 am - 5:00 pm at the ASE Registration Counter

Speaker Ready Room Hours - 6:30 am - 4:30 pm

FASE Lounge Hours - 9:00 am - 4:00 pm

8:00 am - 8:30 am:

VI Council on Vascular Ultrasound Business Meeting and Awards Presentation Room 514abc
Chair: R. Eberhardt; Co-Chair: V. Nambi
Council Meeting (Non-CME)

8:30 am - 3:15 pm:

S The Patient with Ischemic Heart Disease
Room 524abc

8:30 am - 10:00 am:

Chest Pain and MI - Chair(s): J. Lindner; N. Weissman

8:30 am - 8:45 am

• Changing Spectrum of CAD in the World Today H. Youn

8:45 am - 9:00 am

• Flow Function Relations in CAD J. Lindner

9:00 am - 9:15 am

• Echo for Chest Pain in the ER K. Wei

9:15 am - 9:30 am

• P2-09: Speckle Tracking-Derived Diastolic Function Predicts Mortality in Patients with Acute Coronary Syndrome
S. Napan (See page 25 in Exhibition & Abstracts Catalog)

9:30 am - 9:45 am

• Application of Appropriateness Criteria in Chest Pain Patient
N. Weissman

9:45 am - 10:00 am

• Echo to Evaluate Post MI Complications V. Rigolin

1:45 pm - 3:15 pm:

Ischemic Heart Disease in the Low EF Patient

Chair(s): J. Hung; S. Rahimtoola

1:45 pm - 2:05 pm

• Perspectives in Hibernating Myocardium S. Rahimtoola

2:05 pm - 2:20 pm

• P2-10: Does Diastolic Function Correlate with Pulmonary Artery Systolic Pressure in Patients with Ischemic Cardiomyopathy?: Baseline Echocardiographic Data from the STICH Trial
G. Lin (See page 26 in Exhibition & Abstracts Catalog)

2:20 pm - 2:35 pm

• Ischemic MR: Why Is It There? How Should It Be Fixed? J. Hung

2:35 pm - 2:50 pm

• Debate Side 1: Echo is the Method for Identifying Viable Myocardium T. Ryan

2:50 pm - 3:05 pm

• Debate Side 2: Echo is Not the Method for Identifying Viable Myocardium. Other Techniques are Better for Viability J. Afilalo

3:05 pm - 3:15 pm

• Rebuttal J. Afilalo; T. Ryan

8:30 am - 10:00 am:

CL Valvular Stenosis Room 516abc
Chair(s): C. Otto; A. Parisi

8:30 am - 8:45 am

• Cath versus Echo - Is An Invasive Approach Justified? A. Parisi

8:45 am - 9:00 am

• Low Gradient AS - Is It Real? C. Otto

9:00 am - 9:15 am

• Pitfalls of the Continuity Equation J. Dent

9:15 am - 9:30 am

• Tricuspid Valve Y. Kim

9:30 am - 9:45 am

• Mitral Stenosis - What is the Real Valve Area? A. Poppas

9:45 am - 10:00 am

• Famous Fakeouts I. Kronzon

8:30 am - 10:00 am:

CS TEE for Sonographers Room 519ab
Chair(s): M. Adams; S. Maisey

8:30 am - 8:45 am

• Basic TEE Views P. Peters

8:45 am - 9:00 am

• Dissection versus Artifact A. Armour

9:00 am - 9:20 am

• Masses: TTE versus TEE G. Lammertin

9:20 am - 9:40 am

• 3D Assessment of the MV - It Isn't Always P2 D. Atherton

9:40 am - 10:00 am

• What the Surgeon Needs to Know - Operating Room TEE M. Adams

8:30 am - 10:00 am:

EE Myocardial Mechanics: Strain and Beyond (Joint session with the European Association of Echocardiography)
Room 518abc - Chair(s): T. Edvardsen; S. Nagueh

8:30 am - 8:50 am

• Overview: Myocardial Mechanics Assessment L. Badano

8:50 am - 9:10 am

• Beyond LA Pressure - What Can We Learn? S. Nagueh

9:10 am - 9:25 am

• P1-02: Multidirectional Left Ventricular Performance Using Three-Dimensional Speckle-Tracking Strain in Patients with Chronic Right Ventricular Pacing and Preserved Ejection Function
H. Tanaka (See page 25 in Exhibition & Abstracts Catalog)

9:25 am - 9:45 am

• Are All Measurements Created Equal? How Do We Compare Various Methods and Platforms? T. Edvardsen

9:45 am - 10:00 am

• What Remains to be Done? Are We Ready to Incorporate These Measures into Everyday Use? T. Marwick

8:30 am - 10:00 am:

FI Quantitative Assessment of Valvular Regurgitation
Room 516de - Chair(s): J. Chirinos; M. Sarano

8:30 am - 8:50 am

• Why 1 to 4+ Isn't Good Enough: Prognostic Value of Quantification M. Sarano

8:50 am - 9:10 am

• MR Quantification - Review of Multiple Methods S. Shames

9:10 am - 9:30 am

• AR Quantification - Review of Multiple Methods H. Glassberg

9:30 am - 9:45 am

• TR and PR - Where Are We? J. Chirinos

9:45 am - 10:00 am

• Can a Clinical Lab Quantify Regurgitation on Every Patient?
L. Rodriguez

MONDAY, JUNE 13, 2011

8:30 am - 10:00 am:

VI The Carotid Artery: Bridging the Brain and the Heart Room 514abc - Chair(s): R. Eberhardt; V. Nambi

8:30 am - 8:50 am

- How to Perform a Carotid Artery Ultrasound *S. Perese*

8:50 am - 9:10 am

- How to Interpret a Carotid Ultrasound *R. Eberhardt*

9:10 am - 9:30 am

- Using Duplex Imaging in Carotid Disease Management
N. Hamburg

9:30 am - 9:50 am

- Carotid Ultrasound for Cardiovascular Risk Stratification *V. Nambi*

9:50 am - 10:00 am

- Questions and Answers *R. Eberhardt; N. Hamburg;*
V. Nambi; S. Perese

8:30 am - 10:00 am:

PC Cases: The Spectrum of Cardiomyopathies - From the Rare to the Exotic Room 517d Chair(s): L. Mertens; G. Shirali; J. Smallhorn

8:30 am - 8:38 am

- Case 1 *R. Lindquist*

8:38 am - 8:42 am

- Chair Discussion

8:42 am - 8:50 am

- Case 2 *J. Kreeger*

8:50 am - 8:54 am

- Chair Discussion

8:54 am - 9:02 am

- Case 3 *M. Geiger*

9:02 am - 9:06 am

- Chair Discussion

9:06 am - 9:16 am

- Case 4 *S. Kaneko*

9:16 am - 9:20 am

- Chair Discussion

9:20 am - 9:28 am

- Case 5 *S. Wellen*

9:28 am - 9:32 am

- Chair Discussion

9:32 am - 9:40 am

- Case 6 *T. Hoque*

9:40 am - 9:44 am

- Chair Discussion

9:44 am - 9:52 am

- Case 7 *A. Dragulescu*

9:52 am - 10:00 am

- Chair Discussion

10:45 am - 12:15 pm:

R 2011 Arthur E. Weyman Young Investigator's Award Competition and 12th Annual Feigenbaum Lecture Special Session Room 517abc - Chair: S. Nagueh

10:45 am - 10:50 am

- Welcome and Introduction of Judges *S. Nagueh*

10:50 am - 11:50 am

- 2011 Arthur E. Weyman Young Investigator's Award Competition
Judge(s): *L. Badano; S. Kaul; P. Shah; S. Shernan;*
M. St. John Sutton; A. Weyman; K. Yoshida

- YIA-1: Impaired Capillary Function Contributes to the
Development of Insulin Resistance in Lean but Activity-
restricted Primates: A Study Using Contrast Ultrasound
Perfusion Imaging *S. Chadderdon* (See page 28 in *Exhibition*
& *Abstract Catalog*)

- YIA-2: Sustained Improvement in Perfusion and Flow
Reserve After Temporally Separated Ultrasound-Mediated
Multi-Gene Delivery *A. Smith* (See page 28 in *Exhibition* &
Abstract Catalog)

- YIA-3: Feasibility of Invasive and Non-invasive Preload
Recrutable Stroke Work Derived from Three-Dimensional
Echocardiography *G. Baker* (See page 28 in *Exhibition* &
Abstract Catalog)

- YIA-4: Automated 3D Quantification of Mitral Regurgitation
by Real-Time Volume Color Flow Doppler: Comparison with
Cardiac Magnetic Resonance Imaging *P. Thavendiranathan*
(See page 28 in *Exhibition* & *Abstract Catalog*)

11:50 am - 12:10 pm

- 12th Annual Feigenbaum Lecture "A Tale of Two Leaflets:
Innovation in Echocardiography" *J. Hung*

12:10 pm - 12:12 pm

- Feigenbaum Lecture Plaque Presentation *H. Feigenbaum*

12:12 pm - 12:15 pm

- Announcement of the Young Investigator's Award Winner *S. Nagueh*

1:45 pm - 3:15 pm:

S CRT: Who, How and When Room 517abc Chair(s): T. Abraham; M. Monaghan

1:45 pm - 2:00 pm

- What is Dysynchrony and What is the Evidence for Biventricular
Pacer? *J. Cooper*

2:00 pm - 2:15 pm

- Measurement of Dysynchrony Beyond the Eyeball Test: M-Mode
and Tissue Doppler *J. Puthumana*

2:15 pm - 2:30 pm

- Beyond Tissue Doppler: Measurement of Dysynchrony with
Speckle Tracking and 3D *M. Monaghan*

2:30 pm - 2:45 pm

- P2-27: Is There an Association Between Speckle-Based
Echocardiographic Indices, Reverse Remodeling, and
Improvement of Left Ventricular Function Long-Term After
Cardiac Resynchronization Therapy? *R. Dhar* (See page 26 in
Exhibition & *Abstracts Catalog*)

2:45 pm - 3:00 pm

- Have We Moved Beyond the Prospect Trial Era? *T. Abraham*

3:00 pm - 3:15 pm

- Pros and Cons of Device Optimization Following Implantation
R. Marcus

MONDAY, JUNE 13, 2011

1:45 pm - 3:15 pm:

CL **Valvular Regurgitation** Room 516abc
Chair(s): J. Dent; R. Levine

1:45 pm - 1:57 pm

- Case 1: Grade the AR *D. Adams*

1:57 pm - 2:09 pm

- Case 2: Grade the AR *J. Dent*

2:09 pm - 2:21 pm

- Case 3: What to Do About Late MR *Y. Zhang*

2:21 pm - 2:36 pm

- Case 4: MR PISA versus Veins: What to Believe? *R. Levine*

2:36 pm - 2:48 pm

- Case 5: The Pulmonary Valve *P. Knoll*

2:48 pm - 3:03 pm

- Case 6: How Much TR? *M. King*

3:03 pm - 3:15 pm

- Case 7: LVAD's Have Valves? *M. Firstenberg*

1:45 pm - 3:15 pm:

CS **Congenital Disease for the Adult Sonographer**
Room 519ab - Chair(s): L. Brown; P. Coon

1:45 pm - 2:00 pm

- ASD and VSD 101 *M. Rosenblatt*

2:00 pm - 2:20 pm

- Surprise! Complex Congenital - Step by Step Approach *P. Coon*

2:20 pm - 2:40 pm

- Adults with Known Repairs *K. Stout*

2:40 pm - 3:00 pm

- Conduits and Baffles *R. Novello*

3:00 pm - 3:15 pm

- Stress Echo in Adult Congenital Disease *K. Kendall*

1:45 pm - 3:15 pm:

EE **Multimodality Imaging for Hypertrophic Cardiomyopathy**
Room 518abc - Chair(s): G. Galanti; S. Nagueh

1:45 pm - 2:00 pm

- Echocardiography to Assess Prognosis in Hypertrophic Cardiomyopathy *D. Owens*

2:00 pm - 2:30 pm

- MRI Assessment of Prognosis in Hypertrophic Cardiomyopathy - What Does it Add? Diagnosis, Prognosis and Variant Diseases *M. Maron*

2:30 pm - 2:45 pm

- Hypertrophic Cardiomyopathy versus HTN Disease versus Athlete's Heart - Where Does the Evaluation Stop? *G. Galanti*

2:45 pm - 3:00 pm

- Exercise Tolerance in Hypertrophic Cardiomyopathy - What Are the Contributors *D. Kwon*

3:00 pm - 3:15 pm

- Alcohol Septal Ablation - Usefulness of Myocardial Perfusion Imaging *D. Sanborn*

1:45 pm - 3:15 pm:

FI **Quantitative Assessment of Diastolic Function** Room 516de
Chair(s): L. Gillam; M. Vannan

1:45 pm - 2:00 pm

- What Non-Doppler Parameters Tell Us *M. Keane*

2:00 pm - 2:20 pm

- Stages of Diastolic Dysfunction - Doppler and Tissue Doppler *R. Rasalingam*

2:20 pm - 2:40 pm

- Strain and Strain Rate Imaging - What Do They Add? *A. Gopal*

2:40 pm - 2:55 pm

- What to Do When Indices Disagree *L. Gillam*

2:55 pm - 3:15 pm

- Cases *C. Tei*; Panelist(s): *A. Gopal; M. Keane; R. Rasalingam*

1:45 pm - 3:15 pm:

VI **Duplex Imaging: Beyond the Carotids and into the Abdomen** Room 514abc - Chair(s): Y. Chi; R. Eberhardt

1:45 pm - 2:15 pm

- Renal Artery: Duplex Imaging and Intervention *Y. Chi*

2:15 pm - 2:45 pm

- Abdominal Aortic Duplex Imaging for Aneurysms and Repairs *S. Kim*

2:45 pm - 3:15 pm

- Mesenteric Arterial Disease: Diagnosis and Management *M. Park*

1:45 pm - 3:15 pm:

PC **Pediatric Coronary Artery Disease** Room 517d
Chair: P. Barker; Co-Chair: M. Puchalski

1:45 pm - 2:05 pm

- Congenital Anomalies: Isolated and in Conjunction with Non-Coronary Congenital Heart Disease *S. Kutty*

2:05 pm - 2:25 pm

- Acquired Coronary Disease: Kawasaki Disease, Hypercholesterolemia and Autoimmune Disease *C. Altman*

2:25 pm - 2:45 pm

- Ischemic Disease in Pediatrics: Assessment of Function *J. Ganame*

2:45 pm - 3:05 pm

- Long-Term Complications after TOF Repair, Arterial Switch and Transplant *M. Quartermain*

3:05 pm - 3:15 pm

- Discussion *C. Altman; P. Barker; J. Ganame; S. Kutty; M. Puchalski; M. Quartermain*

4:00 pm - 5:30 pm:

S **Stress Echo: The Right Choice for the Patient?** Room 524abc
Chair(s): P. Pellikka; T. Porter

4:00 pm - 4:20 pm

- Stress Echo versus Other Modalities: How Good are We? *P. Pellikka*

4:20 pm - 4:35 pm

- Can Perfusion Help? *T. Porter*

4:35 pm - 4:50 pm

- Can Speckle Tracking Help? *C. Bruce*

4:50 pm - 5:05 pm

- Debate Side 1: Intermediate Risk Patients in the ER Should Undergo CT Angio as First Test *H. Litt*

5:05 pm - 5:20 pm

- Debate Side 2: Intermediate Risk Patients in the ER Should Undergo Stress Echo as First Test *P. Douglas*

5:20 pm - 5:30 pm

- Rebuttal *P. Douglas; H. Litt*

MONDAY, JUNE 13, 2011

4:00 pm - 5:30 pm:

CL **Diastolic Dysfunction** Room 516abc
Chair(s): W. Gaasch; S. Wilansky

4:00 pm - 4:15 pm

- Stages of Diastolic Dysfunction W. Gaasch

4:15 pm - 4:30 pm

- Case 1: Are We Going in the Right Direction? S. Wilansky

4:30 pm - 4:45 pm

- Case 2: Right-Sided Abnormalities S. Mankad

4:45 pm - 5:00 pm

- Case 3: Normal for Age? R. Freeman

5:00 pm - 5:15 pm

- Case 4: Secondary Abnormalities B. Ky

5:15 pm - 5:30 pm

- Case 5: Mild Diastolic Dysfunction or Elevated LVEDP W. Stewart

4:00 pm - 5:30 pm:

CS **Sonographer Advancement** Room 519ab
Chair(s): C. Mitchell; R. Palma

4:00 pm - 4:15 pm

- Licensure E. McIlwain

4:15 pm - 4:35 pm

- Incorporating Vascular Into Your Lab M. Park

4:35 pm - 4:55 pm

- Mentees and Mentors: Views from Both Sides R. Palma

4:55 pm - 5:15 pm

- Moving Into Management M. Bierig

5:15 pm - 5:30 pm

- Advanced Practice Model M. McCulloch

4:00 pm - 5:30 pm:

EE **Rapid Fire Abstracts: Cardiomyopathy and Valvular Disease**
Room 518abc - Chair(s): B. Hoit; N. Nanda

- P3-18: Determinants of Outcome in Mixed Moderate Aortic Stenosis and Regurgitation N. Rashedi (See page 26 in Exhibition & Abstracts Catalog)
- P2-23: Exercise Stress Echo in Asymptomatic Severe Aortic Stenosis with Low Gradient and Preserved Left Ventricular Function F. Vaisbuj (See page 26 in Exhibition & Abstracts Catalog)
- P3-28: In-stent Flow Acceleration in the SAPIEN™ Transcatheter Aortic Valve: Impact on the Echocardiographic Assessment of Valve Function S. Shames (See page 26 in Exhibition & Abstracts Catalog)
- P3-17: Continued Aortic Root Dilation in Patients with Bicuspid Aortic Valves following Isolated Aortic Valve Replacement S. Allen (See page 26 in Exhibition & Abstracts Catalog)
- P3-09: American Society of Echocardiography Algorithmic Approach for Evaluation of Patient Prosthesis Mismatch Compares Favorably with Projected Effective Orifice Area S. Chacko (See page 26 in Exhibition & Abstracts Catalog)
- P2-24: Doppler Echocardiographic Parameters Evaluation After Mitral Valve Repair and Mitral Valve Replacement at Rest and Under Physiological Ergometer Exercise D. Jozwicki (See page 26 in Exhibition & Abstracts Catalog)
- P3-19: Determinants of Non Invasive Coronary Flow Reserve in Severe Aortic Stenosis P. Meimoun (See page 27 in Exhibition & Abstracts Catalog)
- P2-36: Predictors of Improvement in Mitral Regurgitation in Heart Failure Patients Following Cardiac Resynchronization Therapy T. Onishi (See page 27 in Exhibition & Abstracts Catalog)
- P3-20: Left Ventricular Torsional Dynamics and Elastic Properties of the Ascending Aorta in Severe Aortic Stenosis C. Szymanski (See page 27 in Exhibition & Abstracts Catalog)
- P3-29: Evaluation of the Current Parameters for the Assessment of the Performance of Aortic Prosthetic Heart Valves O. Smadi (See page 27 in Exhibition & Abstracts Catalog)

4:00 pm - 5:30 pm:

FI **Echo Outside the Echo Lab: Who, Where and When?**
Room 516de - Chair(s): F. Flachskampf; K. Spencer

4:00 pm - 4:20 pm

- Echo for Cardiac Emergencies T. Binder

4:20 pm - 4:40 pm

- Who Else is Doing Cardiac Ultrasound and Why? K. Spencer

4:40 pm - 4:55 pm

- The European Perspective F. Flachskampf

4:55 pm - 5:10 pm

- The CT Anesthesia Perspective W. Vernick

5:10 pm - 5:30 pm

- Cooperation or Competition: Who and How Should We Train? J. Thomas

4:00 pm - 5:30 pm:

VI **"Sound" Advice for the Vascular Interventionalist**
Room 514abc - Chair(s): R. Eberhardt; R. Kolluri

4:00 pm - 4:20 pm

- Duplex Imaging of Native Arteries, Stents and Grafts R. Eberhardt

4:20 pm - 4:40 pm

- Ultrasound in the Management of Vascular Access Complications R. Kolluri

4:40 pm - 5:00 pm

- Use of Ultrasound in Peripheral Vascular Interventions R. Schainfeld

5:00 pm - 5:20 pm

- Ultrasound Guidance for Cerebrovascular Interventions Z. Garami

5:20 pm - 5:30 pm

- Questions and Answers R. Eberhardt; Z. Garami; R. Kolluri; R. Schainfeld

4:00 pm - 5:30 pm:

PC **Controversies in Pediatric Echocardiography** Room 517d
Chair: M. Brook; Co-Chair: T. Tacy

4:00 pm - 4:30 pm

- Debate Side 1: Non-Pediatric Cardiologists Should Interpret Echocardiograms Performed in the NICU and ED G. Ensing
- Debate Side 2: Non-Pediatric Cardiologists Should Not Interpret Echocardiograms Performed in the NICU and ED L. Mertens

4:30 pm - 5:00 pm

- Debate Side 1: Prenatal Screening: Comprehensive Fetal Echo Should Be Routine C. Gomez-Fifer
- Debate Side 2: Prenatal Screening: Comprehensive Fetal Echo Should Not Be Routine J. Cnota

5:00 pm - 5:30 pm

- Debate Side 1: Complex CHD: 2-Beat Loops Are Adequate in Congenital Heart Disease A. Younoszai
- Debate Side 2: Complex CHD: 2-Beat Loops Are Not Adequate in Congenital Heart Disease P. Frommelt

5:30 pm - 7:00 pm:

Three of a Kind: An Echo Game Room 517abc

Special Session - Chair: D. Adams - Moderator: R. Martin

7:00 pm - 7:30 pm:

Comedian: Mark Critch (Non-CME)

ASE Headquarters is Booth #809 in the Exhibit and Poster Hall

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ASE American Society of
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TUESDAY PROGRAM HIGHLIGHTS

How to Get Published in JASE

7:30 am – 8:30 am in Room 523b

(Non CME) JASE is getting better every year, with consistent increases in impact factor (it's now 2.981) and stronger positioning, now ranking 29 out of 95 cardiovascular journals. Writing a paper based on high quality research? Interested in learning how to get published? Don't miss the opportunity to interact with the editor-in-chief of this prestigious journal, Alan S. Pearlman, MD, FASE.

The Great Debate

8:30 am – 10:00 am in Room 524abc

Don't miss the ASE 2011 luminary faculty as they debate the hottest topics in cardiovascular ultrasound. Is tissue Doppler imaging superior to EF in assessing LV function? Will tissue Doppler last? Should asymptomatic MR be addressed surgically? Watch Dr.'s Khandheria, Pandian, Stewart and Sarano in these heated debates.

Global Educator's Summit for Cardiovascular Ultrasound

8:30 am – 10:00 am in Room 519ab

(Non-CME) This session will be held as a round-table discussion for educators teaching cardiovascular ultrasound. Discussion will include international cardiovascular ultrasound education practices, development of international programs, educational needs in different geographical locations and the use of social media for reaching students in different geographical locations. Attendees will receive information regarding ASE's educator resources for use in educational programs.

Legends Stumping Other Legends

10:45 am – 12:15 pm in Room 524abc

Learn from legends while they share their most unforgettable, challenging and memorable cases.

ASE 2011 Scientific Sessions Wrap-Up

1:45 pm – 3:15 pm in Room 524abc

Luminary faculty will come together to summarize the educational high points of the ASE 2011 Scientific Sessions. Don't miss this session that is full of valuable take-home information.

A World View of Echocardiography: Global Cases

5:30 pm – 6:30 pm in Room 524abc

Cases are cases... *or are they?* This special session will feature cases from India, South America, Korea, Canada and the US. Experts from around the world will show you cases you aren't likely to run across in your lab.

Fireside Chat

1:45 pm – 2:45 pm in Room 516abc

The Council on Pediatric and Congenital Heart Disease is pleased to again present the "Fireside Chat," which has become a staple at recent ASE Scientific Sessions. This year we will host Abraham Morris Rudolph, MD, one of the pioneers of our field. He will be interviewed by Norman Silverman, MD, FASE. Dr. Rudolph will also participate in the Scientific Sessions Fetal Symposium on Tuesday morning at 10:45 am, providing a lecture entitled *What Can Fetal Animal Research Teach Us About Newborn Physiology?* Dr. Rudolph earned his medical degree in 1946 at the University of the Witwatersrand in Johannesburg, South Africa. His first faculty appointment was at Harvard Medical School before coming to the University of California at San Francisco (UCSF) in 1966 as professor of pediatrics and chief of the division of pediatric cardiology. From 1986-91, he served as chair of the UCSF department of pediatrics.

Dr. Rudolph directed the team at the UCSF during a time of rapid discovery. He is best known for his studies on the pathophysiology of congenital heart defects and for imaginative studies of fetal cardiovascular development and transition to postnatal life. By studying lambs *in utero* and after birth, Dr. Rudolph advanced our understanding of cardiac development. In 2001, he received the Founders Award of the cardiology section of the American Academy of Pediatrics. Dr. Rudolph's honors also include The John Howland Medal of the American Pediatric Society, which has been described as "the highest honor in American pediatrics." His many contributions were recognized by his election as a member of the National Institute of Medicine of the National Academy of Sciences. He has served as editor of the general pediatric text *Rudolph's Pediatrics*, as well as the companion *Rudolph's Fundamentals of Pediatrics*.

We are greatly honored to hear from Dr. Rudolph, without whose enormous contributions our field would not be the same. He has trained several generations of pediatric cardiologists. His insights will surely inspire this generation as well as those to come.

Tuesday Committee Meetings

Unless otherwise noted, all committee meetings are held on Level 5 of the Palais des Congres. Committee meetings are invitation only.

Tuesday, June 14, 2011

7:30 am – 9:30 am

• Scientific Sessions Program Committee Meeting 521bc

10:30 am – 11:30 am

• Intraoperative Sonographer Task Force 521a

TUESDAY, JUNE 14, 2011

Registration Open - 6:30 am - 7:00 pm

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

Product Sales - 9:00 am - 5:00 pm at the ASE Registration Counter

Speaker Ready Room Hours - 6:30 am - 4:30 pm

FASE Lounge Hours - 9:00 am - 4:00 pm

7:00 am - 8:30 am:

TB Stressing About Strain without Ruining Your Breakfast
Room 518abc - Chair(s): G. Aurigemma; S. Lester

7:00 am - 7:20 am

- Strain Imaging - Principles and Pitfalls S. Lester

7:20 am - 7:40 am

- Where Strain Imaging Is Useful Right Now G. Aurigemma

7:40 am - 8:10 am

- Strain Imaging in Evaluation of the Biventricular Patient
G. Derumeaux

8:10 am - 8:30 am

- Cases of Strain - How Do You Interpret Them? G. Aurigemma;
G. Derumeaux; S. Lester

7:00 am - 8:30 am:

TB Weaning from Cardiopulmonary Bypass: What to Look for
Room 516de - Chair(s): A. Finley; K. Glas

7:00 am - 7:25 am

Weaning from Cardiopulmonary Bypass K. Glas

7:25 am - 7:50 am

- Complex Mitral Valve Disease - It is Not Always P2 M. Swaminathan

7:50 am - 8:15 am

- Residual MR after MV Repair: Now What Consultant? D. Rubenson

8:15 am - 8:30 am

- Wrap-Up with Questions and Answers A. Finley

7:00 am - 8:30 am:

R How to Obtain Funding - NIH and Beyond Room 516abc
Chair(s): J. Hung; M. Scherrer-Crosbie

7:00 am - 7:25 am

- A Walk Through the Basic NIH Grants - How to Target Your
Strengths J. Hung

7:25 am - 7:50 am

- Other Organizational Grants - ASE, AHA, ACC J. Gardin

7:50 am - 8:05 am

- Local Grants M. Scherrer-Crosbie

8:05 am - 8:30 am

- Core Labs and Large Databases - How They Work N. Weissman

7:00 am - 8:30 am:

ICAEL Accreditation: What's New? Room 519ab - Special Session

7:00 am - 7:30 am

- IAC Update with Reimbursement Information S. Katanick

7:30 am - 8:00 am

- Resources to Help Labs Achieve Accreditation B. Gorman

8:00 am - 8:30 am

- Developing and Implementing your Quality Assurance Program
M. Bremer

7:30 am - 8:30 am:

PC Ask the Experts: Heterotaxy Syndrome Room 517d
Chair: L. Lopez

7:30 am - 7:45 am

- The Van Praagh Approach S. Sanders

7:45 am - 8:00 am

- The Anderson Approach J. Smallhorn

8:00 am - 8:15 am

- Exceptions to the Rules I. Parness

8:15 am - 8:30 am

- Panel Discussion with Questions and Answers L. Lopez; I.
Parness; S. Sanders; J. Smallhorn

7:30 am - 8:30 am:

How to Get Published in JASE Room 523b

Special Session (Non-CME) - Chair(s): V. Mor-Avi; A. Pearlman

8:30 am - 10:00 am:

The Great Debate Room 524abc

Special Session - Chair(s): J. Hung; R. Martin

8:30 am - 8:35 am

- Introduction and Explanation of the Rules J. Hung

8:35 am - 8:50 am

- Debate Side 1: Tissue Doppler and Strain Imaging are Superior to
EF in Assessing LV Function B. Khandheria

8:50 am - 9:05 am

- Debate Side 2: Tissue Doppler will Fade Away as a Technique
N. Pandian

9:05 am - 9:10 am

- Rebuttal B. Khandheria

9:10 am - 9:15 am

- Rebuttal N. Pandian

9:15 am - 9:20 am

- Moderator Discussion and Introduction R. Martin

9:20 am - 9:35 am

- Debate Side 1: Asymptomatic Severe MR Should be Addressed
Surgically Whenever Possible M. Sarano

9:35 am - 9:50 am

- Debate Side 2: Watchful Waiting is Best W. Stewart

9:50 am - 9:55 am

- Rebuttal M. Sarano

9:55 am - 10:00 am

- Rebuttal W. Stewart

8:30 am - 10:00 am:

Global Educator's Summit for Cardiovascular Ultrasound

Special Session (Non-CME) - Room 519ab

Moderator(s): B. Anderson; M. Bremer; C. Mitchell; R. Palma

8:30 am - 10:00 am:

EE The Impact of Ventriculo-Arterial Coupling Room 518abc
Chair(s): J. Chirinos; R. Migliore

8:30 am - 9:00 am

- What is LV Afterload and How Can We Measure It? J. Chirinos

9:00 am - 9:20 am

- Applying Ventriculo-Arterial Coupling to Clinical Situations:
Aortic Stenosis R. Migliore

9:20 am - 9:40 am

- Hypertensive Heart Disease G. Derumeaux

9:40 am - 10:00 am

- Congestive Heart Failure Preserved EF T. Gillebert

TUESDAY, JUNE 14, 2011

8:30 am - 12:15 pm:

PC Adult Congenital Heart Disease Symposium for the Expert Room 517d

8:30 am - 10:00 am:

Corrected Transposition for the Great Arteries

Chair: A. Valente; Co-Chair: M. Earing

8:30 am - 8:55 am

- Anatomic and Physiologic Findings *T. Tacy*

8:55 am - 9:20 am

- Pre-Op and Intra-Op Decision-Making *N. Ayres*

9:20 am - 9:45 am

- Long-Term Complications *A. Valente*

9:45 am - 10:00 am

- Discussion *N. Ayres; M. Earing; T. Tacy; A. Valente*

10:45 am - 12:15 pm:

Multimodality Imaging and Decision-Making

Chair: T. Geva; Co-Chair: B. Soriano

10:45 am - 11:10 am

- Tetralogy of Fallot: Imaging as an Adjunct to Decision-Making *T. Slesnick*

11:10 am - 11:35 am

- Repaired Coarctation of the Aorta: Long-Term Assessment *J. Nielsen*

11:35 am - 12:00 pm

- Double Outlet Right Ventricle *A. Powell*

12:00 pm - 12:15 pm

- Discussion *T. Geva; J. Nielsen; A. Powell; T. Slesnick; B. Soriano*

8:30 am - 12:15 pm:

PC Fetal Echo Symposium Room 516abc

8:30 am - 10:00 am:

How to Impact Fetal Outcomes

Chair: C. Sable; Co-Chair: C. Gomez-Fifer

8:30 am - 8:50 am

- Strategies to Improve Diagnostic Rate of CHD *N. Pinto*

8:50 am - 9:10 am

- Update on Fetal Cardiac Interventions *W. Tworetzky*

9:10 am - 9:30 am

- Management of Fetal Arrhythmias: What's New? *M. Frommelt*

9:30 am - 9:50 am

- The European Experience: Educational Programs and Regionalized Care. Is Outcome Improved? *J. Marek*

9:50 am - 10:00 am

- Discussion *M. Frommelt; C. Gomez-Fifer; J. Marek; N. Pinto; C. Sable; W. Tworetzky*

10:45 am - 12:15 pm:

Fetal Physiology Chair: N. Silverman; Co-Chair: E. Michelfelder

10:45 am - 11:05 am

- Fetal Physiology: Brian Development in Complex Congenital Heart Disease *A. Szwast*

11:05 am - 11:25 am

- What Can Fetal Animal Research Tell Us About Newborn Physiology? *A. Rudolph*

11:25 am - 11:45 am

- Functional Assessment in Non-Congenital Disease: AVM's, Twin-Twin Transfusion, etc. *E. Michelfelder*

11:45 am - 12:05 pm

- The Evolving Fetal Heart: Predicting Newborn Anatomy and Physiology When the Left Heart is "Borderline" *A. Moon-Grady*

12:05 pm - 12:15 pm

- Discussion *E. Michelfelder; A. Moon-Grady; A. Rudolph; N. Silverman; A. Szwast*

10:45 am - 12:15 pm:

Legends Stumping Other Legends Room 524abc

Special Session - *Chair(s): V. Rigolin; J. Roelandt*

10:45 am - 10:55 am

- Case Presentation 1 *R. Martin*

10:55 am - 11:00 am

- Group Discussion *S. Goldstein; N. Nanda; A. Pearlman; M. St. John Sutton; A. Tajik*

11:00 am - 11:10 am

- Case Presentation 2 *N. Nanda*

11:10 am - 11:15 am

- Group Discussion *S. Goldstein; R. Martin; A. Pearlman; M. St. John Sutton; A. Tajik*

11:15 am - 11:25 am

- Case Presentation 3 *M. St. John Sutton*

11:25 am - 11:30 am

- Group Discussion *S. Goldstein; R. Martin; N. Nanda; A. Pearlman; A. Tajik*

11:30 am - 11:40 am

- Case Presentation 4 *S. Goldstein*

11:40 am - 11:45 am

- Group Discussion *R. Martin; N. Nanda; A. Pearlman; M. St. John Sutton; A. Tajik*

11:45 am - 11:55 am

- Case Presentation 5 *A. Pearlman*

11:55 am - 12:00 pm

- Group Discussion *S. Goldstein; R. Martin; N. Nanda; M. St. John Sutton; A. Tajik*

12:00 pm - 12:10 pm

- Case Presentation 6 *A. Tajik*

12:10 pm - 12:15 pm

- Group Discussion *S. Goldstein; R. Martin; N. Nanda; A. Pearlman; M. St. John Sutton*

10:45 am - 12:15 pm:

EE Stress Echo: Beyond Wall Motion Room 518abc

Chair(s): E. Agricola; J. Oh

10:45 am - 11:05 am

- Diastolic Stress Echo *J. Oh*

11:05 am - 11:25 am

- Stress Echo and Ultrasound Comet-Tail Images in LV Dysfunction *E. Agricola*

11:25 am - 11:45 am

- Stress Echo and Mitral Valve Dysfunction *R. Hahn*

11:45 am - 12:00 pm

- Stress Echo to Evaluate Pulmonary Hypertension *G. Kane*

12:00 pm - 12:15 pm

- Stress Echo to Evaluate Contractility *T. Bombardini*

TUESDAY, JUNE 14, 2011

1:45 pm - 3:15 pm:

R ASE 2011 Scientific Sessions Wrap-Up Room 524abc
Special Session - Chair(s): S. Nagueh; S. Wieggers

1:45 pm - 1:55 pm

- Clinical Highlights S. Wieggers

1:55 pm - 2:05 pm

- Stress Testing/Ischemia R. Sicari

2:05 pm - 2:15 pm

- Valve Disease V. Rigolin

2:15 pm - 2:25 pm

- Pediatrics M. Lewin

2:25 pm - 2:35 pm

- 3D G. Shirali

2:35 pm - 2:45 pm

- Myocardial Function and CRT S. Nagueh

2:45 pm - 2:55 pm

- Contrast TBD

2:55 pm - 3:05 pm

- Atrial Function and Source of Embolism A. Klein

3:05 pm - 3:15 pm

- Appropriateness/New Technologies S. Goldstein

1:45 pm - 2:45 pm:

PC Fireside Chat: The UCS Experience Room 516abc
Chair: A. Rudolph; Co-Chair: N. Silverman

3:30 pm - 5:30 pm:

How to Optimize Diastolic Assessment Room 524abc

How To Chair(s): J. Kizer; M. Quiñones

3:30 pm - 3:50 pm

- How I Assess Diastolic Function M. Quiñones

3:50 pm - 4:10 pm

- LA Assessment: Size and Function J. Kizer

4:10 pm - 4:30 pm

- Diastolic Heart Failure versus Heart Failure with Normal EF - Important by Any Name J. Ha

4:30 pm - 4:50 pm

- Diastolic Parameters in CRT Optimization R. Marcus

4:50 pm - 5:10 pm

- What Does Strain Add? J. Gorcsan

5:10 pm - 5:30 pm

- 3 Cases S. Nagueh; Panelist(s): J. Gorcsan; J. Ha; R. Marcus

3:30 pm - 5:30 pm:

CS How to Perform Extraordinary Echo: Cases with the Experts
Room 519ab - How To - Chair(s): J. Belcik; A. Morehead

3:30 pm - 3:50 pm

- Echo Evaluation of Percutaneous Valves - Cath Lab and Beyond W. Miranda

3:50 pm - 4:10 pm

- LVAD - What Everyone Needs to Know D. Augustine

4:10 pm - 4:30 pm

- Myocardial Perfusion B. Roberts

4:30 pm - 4:50 pm

- Endocarditis K. Eberman

4:50 pm - 5:10 pm

- In the Operating Room L. Weinert

5:10 pm - 5:30 pm

- Research: IRB, Protocols and Leading the Team M. Bierig

3:30 pm - 5:30 pm:

How to Put the "Q" in Quality Room 518abc

How To - Chair(s): J. Kirkpatrick; R. Stainback

3:30 pm - 3:50 pm

- Implementing CQI R. Stainback

3:50 pm - 4:10 pm

- Appropriateness Criteria - You Can't Hide R. Freeman

4:10 pm - 4:25 pm

- Improving Teaching in Your Lab - Sonographer M. McCulloch

4:25 pm - 4:40 pm

- Improving Teaching in Your Lab - Physician J. Hung

4:40 pm - 5:00 pm

- Preliminary Reports - When and Why J. Kirkpatrick

5:00 pm - 5:20 pm

- Running a Healthy Echo Lab M. Keane

5:20 pm - 5:30 pm

- Questions and Answers R. Freeman; J. Hung; M. Keane; J. Kirkpatrick; M. McCulloch; R. Stainback

3:30 pm - 5:30 pm:

How to Deliver Bad News: Dealing with Complications

Room 516de - How To - Chair(s): S. Lerakis; A. Poppas

3:30 pm - 3:45 pm

- TEE - Black Esophagus? Profortation? S. Wieggers

3:45 pm - 4:00 pm

- ASD Closure - Malpositioned Device Embolization S. Lerakis

4:00 pm - 4:15 pm

- Alcohol Septal Ablation: No Effect versus VSD A. Woo

4:15 pm - 4:30 pm

- LVAD - Having a Really Bad Day S. Weiss

4:30 pm - 4:45 pm

- Residual Problems Post MV Repair A. Poppas

4:45 pm - 5:00 pm

- Prosthetic Valve Dysfunction - What Can Go Wrong? D. Tighe

5:00 pm - 5:15 pm

- Heart Transplant - Rejection versus Transplant Vasculopathy P. O'Leary

5:15 pm - 5:30 pm

- TV Disease during MV Surgery - Fix or Ignore M. Skubas

3:30 pm - 5:30 pm:

PC How to Use Echo Appropriately for Screening
Children and Adults Room 517d - How To
Chair(s): J. Higgins; K. Spencer

3:30 pm - 3:50 pm

- Value of Limited Echo to Detect Conditions Associated with SCD S. Laing

3:50 pm - 4:10 pm

- When is a Pre-Sports Limited Echo Appropriate? A. Ali

4:10 pm - 4:30 pm

- Sudden Cardiac Death in Houston - Does Environment Make a Difference? J. Higgins

4:30 pm - 4:50 pm

- Screening Patients with HTN - Role for Echo S. Heitner

4:50 pm - 5:10 pm

- Syncope/Stroke - Everyone Gets an Echo? A. Klein

5:10 pm - 5:30 pm

- Directed Echo Study - Wave of the Future? K. Spencer

TUESDAY, JUNE 14, 2011

3:30 pm - 5:30 pm:

PC **How to Improve Pediatric Outcomes** Room 516abc
How To - Chair: W. Lai; Co-Chair: D. Fyfe

3:30 pm - 3:50 pm

- Quality Issues: How to Certify and Maintain the Pediatric/Fetal/TEE Lab *L. Bezold*

3:50 pm - 4:15 pm

- Workflow Issues: How to Justify Appropriate FTE and RVU's and Ensure Fiscal Solvency *W. Lai*

4:15 pm - 4:45 pm

- Diagnostic Errors: How to Review in the Echo Lab
O. Benavidez

4:45 pm - 5:10 pm

- Trials: How to Develop a Core Lab: What's New in the PHN and Other Multicenter Trials? *T. Kimball*

5:10 pm - 5:30 pm

- The Adult Congenital Echo Lab:
The Ideal and How to Get There *K. Stout*

5:30 pm - 6:30 pm:

CL **A World View of Echocardiography: Global Cases**
Room 524abc - Special Session
Chair(s): S. Homma; B. Kalra

5:30 pm - 5:40 pm

- Global Case 1 *B. Kalra*

5:40 pm - 5:50 pm

- Global Case 2 *S. Homma*

5:50 pm - 6:00 pm

- Global Case 3 *J. Ha*

6:00 pm - 6:10 pm

- Global Case 4 *A. Sanfilippo*

6:10 pm - 6:20 pm

- Global Case 5 *M. Plastino*

6:20 pm - 6:30 pm

- Global Case 6 *S. Wieggers*

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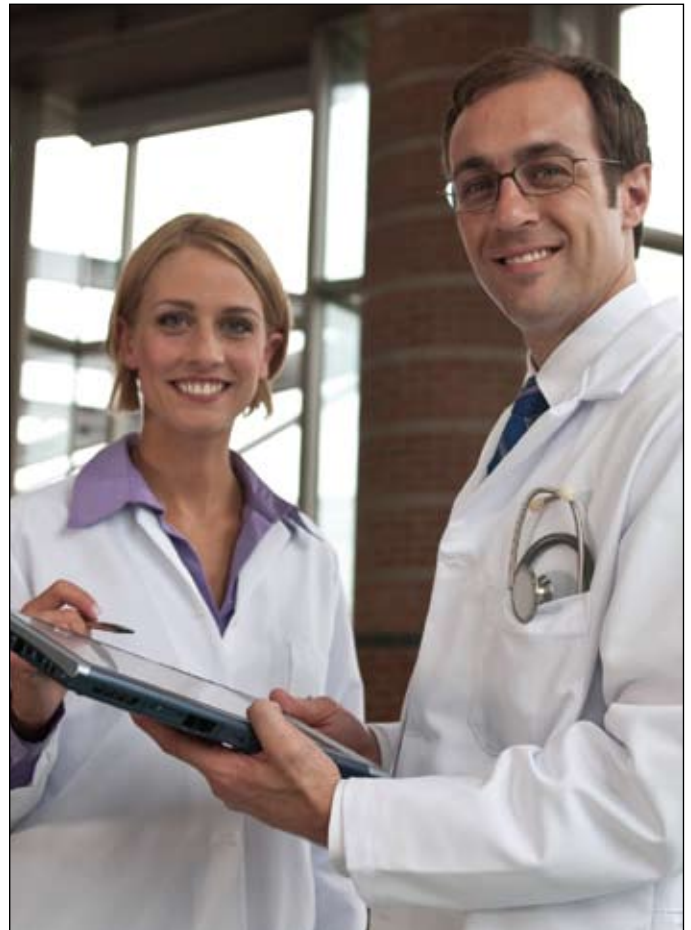
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Committee meetings will be held on *Level 5* of the Palais des Congrès or as indicated below. Committee meetings are invitation only.

Friday, June 10, 2011

12:00 pm – 1:30 pm

- ASE/ASEF New Board Members Orientation Meeting
(Invitation Only) *Westin/Fortifications Room*

2:00 pm – 5:00 pm

- ASE/ASEF Board of Directors Meeting
Westin/Fortifications Room

Saturday, June 11, 2011

6:30 am – 8:00 am

- ASE Volunteer Orientation *514abc*

8:30 am – 10:00 am

- JASE Editorial Review Board Meeting *Westin/Fortifications Room*

10:00 am – 12:00 pm

- Publications Committee Meeting *521a*

10:30 am – 12:30 pm

- Education Committee Meeting *521bc*

12:00 pm – 2:00 pm

- Council on Cardiac Sonography Board Meeting *522bc*

12:15 pm – 1:30 pm

- Council on Intraoperative Ultrasound Board Meeting *521a*

2:00 pm – 3:30 pm

- Finance, Strategy and Development Committee Meeting *522a*

2:00 pm – 4:00 pm

- ASE/EAE Strain Standardization Task Force Meeting *521bc*

3:30 pm – 5:00 pm

- International Relations Task Force Meeting *523a*

Sunday, June 12, 2011

8:00 am – 10:00 am

- Educational Products Task Force Meeting *521a*

8:00 am – 10:00 am

- Public Relations Committee Meeting *522bc*

9:00 am – 11:00 am

- ACCME Committee Meeting *521bc*

10:00 am – 10:45 am

- Nominating Committee Meeting *522a*

12:00 pm – 1:30 pm

- Advanced Cardiovascular Sonographer Task Force *522a*

12:00 pm – 1:30 pm

- Research Committee Meeting *521a*

12:15 pm – 1:45 pm

- Membership Steering Committee Meeting *522bc*

12:15 pm – 2:15 pm

- Advocacy Committee Meeting *521bc*

2:00 pm – 3:45 pm

- Council on Vascular Ultrasound Board Meeting *521a*

Monday, June 13, 2011

8:00 am – 10:00 am

- FASE Committee Meeting *521a*

8:30 am – 10:00 am

- Information Technology Committee Meeting *522bc*

12:15 pm – 1:45 pm

- Guidelines and Standards Committee Meeting *521bc*

1:00 pm – 3:00 pm

- Extra-Mural Research Committee Meeting *522bc*

3:15 pm – 4:00 pm

- Bylaws and Ethics Committee Meeting *521a*

Tuesday, June 14, 2011

7:30 am – 9:30 am

- Scientific Sessions Program Committee Meeting *521bc*

10:30 am – 11:30 am

- Intraoperative Sonographer Task Force *521a*

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Listed below are new FASE members from the March, June, September and December 2010 cycles. For a complete list, please visit www.SeeMyHeart.org. Learn more about applying for FASE at www.asecho.org or stop by ASE Headquarters booth #809

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American Society of Echocardiography

UPCOMING EDUCATIONAL EVENTS

PICS & AICS 2011

July 24-27, 2011

Westin Boston Waterfront,
Boston, MA

Co-sponsored by ASE and the PICS Foundation in collaboration with the Society for Cardiovascular Angiography & Interventions and Rush Center for Congenital & Structural Heart Disease

First Echocardiography Societies World Summit

July 28-30, 2011

Hotel NH,
Buenos Aires, Argentina

A collaborative effort by ASE, European Association of Echocardiography, Echocardiography Association of the InterAmerican Society of Cardiology in conjunction with the Council of Echocardiography of the Argentinian Society of Cardiology, Japanese Society of Echocardiography, Indian Academy of Echocardiology, Korean Society of Echocardiography and the Chinese Echocardiography Working Group, in cooperation with the Chinese Medical Association

Echo Nagpur 2011

August 19-21, 2011

Nagpur, India

Organized by Nagpur Echo Summit and the Cardiological Society of India, Vidharbha Chapter. Endorsed by ASE

Sonographer Registry Review

August 27-28, 2011

Hilton Portland and Executive Towers,
Portland, OR

Sponsored by ASE

Multi-Modality Imaging Symposium

September 11, 2011

Hyatt Regency Denver at the Colorado Convention Center,
Denver, CO

Co-sponsored by ASNC, SCMR, SCCT and ASE

ASE 2011 Vascular Imaging Symposium

September 17, 2011

The Hub Cira Centre,
Philadelphia, PA

Sponsored by ASE

Cardiology Update 2011: A Weekend Review at Lake Geneva

September 30-October 2, 2011

Grand Geneva,
Lake Geneva, WI

Co-sponsored by ASE and Aurora Health Care

Heart Valve Summit 2011: Medical, Surgical and Interventional Decision Making

October 13-15, 2011

JW Marriott,
Chicago, IL

Co-sponsored by AATS, ACCF and ASE

Echo Northwestern 2011: Innovations & Applications of Echocardiographic Techniques in Clinical Practice

October 22-24, 2011

Northwestern Memorial Hospital,
Chicago, IL

Co-sponsored by ASE and Northwestern University

22nd Annual Echo Hawaii 2012

January 23-27, 2012

Hapuna Beach Prince Hotel,
Kohala Coast, Big Island, HI

Sponsored by ASE

25th Annual State-of-the-Art Echocardiography

Preconference
February 11-12, 2012

Main Conference
February 12-15, 2012

InterContinental Montelucia, Scottsdale, AZ

Sponsored by ASE

2012 ASCeXAM/ReASCE Review Course

April 22-24, 2012

Marriott Copley Place,
Boston, MA

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ASE 23rd Annual Scientific Sessions

June 30-July 3, 2012

Gaylord National Hotel and Convention Center
National Harbor, MD

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ASE 24th Annual Scientific Sessions

June 29-July 2, 2013

Minneapolis Convention Center
Minneapolis, MN

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ASE 25th Annual Scientific Sessions

June 21-24, 2014

Oregon Convention Center
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ASE 26th Annual Scientific Sessions

June 13-16, 2015

Hynes Convention Center
Boston, MA

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& other Imaging Modalities

2011 Main themes

Valvular heart disease
Left ventricular function

New this year!

Clinical Imaging Sessions
Patients' oriented
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Clinical Pathways
Multi-Imaging Sessions

Share your knowledge, meet the experts

Dedicated abstract based programme
Special track on Congenital Heart Disease
Special track for young doctors
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A Poster mentor programme

Young Researchers, come and present
your work in Budapest!

Join us in

Budapest

7-10 December 2011

HUNGARY

IMPORTANT DEADLINES Early Bird registration 30 September 2011 | Advance registration 31 October 2011

The fifteenth Annual Meeting of the European Association of Echocardiography, a Registered Branch of the ESC, in cooperation with the Working Group on Echocardiography of the Hungarian Society of Cardiology

www.euroecho.org

Visit the EAE booth 917 and get a
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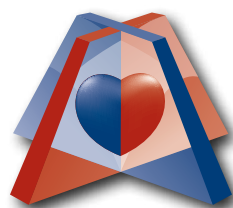


SAVE THE DATE

American Society of Echocardiography
23rd Annual Scientific Sessions
June 30 - July 3, 2012

National Harbor, MD
Abstracts submission opens October 14, 2011

Visit
www.asescientificsessions.org
for submission details



ASE 2012