The American Society of Echocardiography is a member organization of professionals committed to excellence in cardiovascular ultrasound and its application to patient care through education, advocacy, research, innovation, and service.
Table of Contents

Contents

ASE Accreditation.......................................................................................... 4
Echo Hawaii ........................................................................................................ 4
State-of-the-Art Echocardiography: Echo Southwest ........................................ 5
ASCeXAM/ReASCE Review Course ................................................................. 5
Echo Florida ....................................................................................................... 6
Scientific Sessions............................................................................................... 7
ASE Live Courses Mobile Application .............................................................. 7
ASE Online Learning and Education Products ................................................ 8
    ASEUniversity .............................................................................................. 8
    Exam Review Products .................................................................................. 14
    ASE Guideline Products ............................................................................... 15
    JASE and Online Articles ............................................................................. 17
    On-Demand Webinars ................................................................................... 18
    Smartphone / Tablet Applications ................................................................. 19
ASE Programs.................................................................................................... 20
How to Order a Product .................................................................................... 20
Product Price Guide .......................................................................................... 21
Membership in ASE .......................................................................................... 22
    North American Membership Fees (U.S., Canada & Mexico) .................... 23
    International Membership Fees (Outside U.S., Canada & Mexico) ............ 23
Echo Hawaii presents the latest information on established and emerging cardiovascular ultrasound technologies. Expert U.S. and international faculty discuss state-of-the-art technologies with a particular focus on how they can be effectively applied in the clinical setting. Case-based approaches are used to discuss new and established uses of echocardiography for diagnosis and guiding management in patients with a broad array of cardiovascular conditions. Topics include: advanced assessment of systolic and diastolic function, 3D/4D imaging, adult congenital heart disease, and contemporary approaches to valve disease, guidance of interventional procedures, contrast echocardiography, ischemic heart disease, and aortic pathology. Special sessions include workshops on perioperative and critical care and 3D echocardiography.

"Beautiful setting, excellent speakers...wouldn't change a thing!"

“I would like to thank ASE for putting together an amazing, educational, and enriching conference.”

Main Conference

ASE Member Physician: $775
Nonmember Physician: $895
ASE Member Sonographer/Allied Health*: $650
Nonmember Sonographer/Allied Health*: $750
ASE Member Resident/Fellow in Training: $555
Nonmember Resident/Fellow in Training: $655

Maintenance of Certification

ASE Member: $175
Nonmember: $250

Register Early and Save! Rates subject to change.
Please visit ASEcho.org/education for up-to-date pricing.

*Registrants in the Allied Health category include sonographers, nurses, and physician assistants.
State-of-the-Art Echocardiography: Echo Southwest

29th Annual State-of-the-Art Echocardiography:
Echo Southwest - February 13-16, 2016
Hilton Tucson El Conquistador Golf & Tennis Resort, Tucson, AZ

30th Annual State-of-the-Art Echocardiography:
Echo Southwest - February 18–21, 2017
Hilton Tucson El Conquistador Golf & Tennis Resort, Tucson, AZ

ASE has specifically designed the ASCeXAM®/ReASCE® Review Course as a preparatory course for the National Board of Echocardiography’s (NBE) ASCeXAM® and ReASCE® examinations. Lectures given will emphasize illustrative cases and as such will not be “canned talks” from other cardiovascular ultrasound courses.

The Review Course will cover all aspects of cardiovascular ultrasound essential to these examinations, including physics, valvular heart disease, ischemic heart disease, congenital heart disease, and new technologies. The expert faculty will use case studies, lectures, and interactive sessions to help prepare the attendee for the ASCeXAM® or ReASCE®. An audience response system and question and answer sessions will facilitate faculty interaction and self-guided learning.

The ASCeXAM/ReASCE Review Course has been designed with the computer-based examination administration in mind. There is case-based learning and use of an audience response system to simulate a digital, multiple choice examination. CME from this course is “echo-specific” and therefore appropriate for IAC Accreditation and NBE education prerequisites.

Participants should have practical knowledge of echocardiography in order to benefit fully from this program. The setting is ideal for participants to bring their families and add on some vacation time.

“Amazing conference. I loved the environment and felt like I learned a lot more than usual. Thank you!”

“Fantastic course! The learning lab was a truly unique and outstanding experience!”

Preconferences

Learning Lab
ASE Member: $450
Nonmember: $550

Maintenance of Certification
ASE Member: $350
Nonmember: $450

Main Conference
ASE Member Physician: $825
Nonmember Physician: $999
ASE Member Sonographer/Allied Health*/Fellow in Training: $650
Nonmember Sonographer/Allied Health*/Fellow in Training: $750

Registration
ASE Member Physician: $1025
Nonmember Physician: $1245
ASE Member Sonographer/Allied Health*: $900
Nonmember Sonographer/Allied Health*: $1050

ASE Member Resident/Fellow in Training: $975
Nonmember Resident/Fellow in Training: $1100

Register Early and Save! Rates subject to change. Please visit ASEcho.org/education for up-to-date pricing.

*Registrants in the Allied Health category include sonographers, nurses, and physician assistants.
The Echo Florida course is a comprehensive review of cardiovascular ultrasound in clinical practice. The faculty is composed of U.S. and international experts who will discuss the strengths and limitations of established and emerging technologies and illustrate how these technologies can be used to improve and streamline patient care in a cost conscious manner. There is a heavy emphasis on case-based learning. This course is designed for adult and pediatric cardiologists, cardiovascular surgeons, cardiovascular anesthesiologists, cardiac radiologists, fellows in training, cardiovascular sonographers, cardiovascular nurse specialists, internists, intensivists, and emergency physicians with special interest in clinical cardiology and echocardiography.

Topics include: coronary artery disease including stress testing, valvular heart disease, heart failure (systolic and diastolic), and cardiomyopathy, emerging technologies including contrast and 3D/4D echocardiography, complex congenital heart disease, and case-based demonstrations on role of 2D and real time 3D/4D echocardiography to select, guide and follow percutaneous structural heart disease interventions replacement, and percutaneous mitral valve repair.

Preconference
Learning Lab
Computer Based Learning
ASE Member: $350
Nonmember: $450

Main Conference
ASE Member Physician: $875
Nonmember Physician: $1,025
ASE Member Sonographer/Allied Health/Fellow in Training*: $675
Nonmember Sonographer/Allied Health/Fellow in Training*: $825

Register Early and Save! Rates subject to change. Please visit ASEcho.org/education for up-to-date pricing.

*Registrants in the Allied Health category include sonographers, nurses, and physician assistants.
ASE’s Scientific Sessions are the premier international conference devoted specifically to cardiovascular ultrasound in clinical patient care. It is a vital event for practicing echocardiographers and offers a full spectrum of educational events including symposia discussing novice, intermediate, and advanced techniques. Research featuring leading cardiovascular ultrasound experts will also be highlighted. The program is an opportunity for all interested healthcare practitioners to explore contemporary issues and emerging developments in the field of cardiovascular ultrasound.

All levels of practitioners will find sessions that meet their needs, help improve their practice and benefit their professional growth. Participants are encouraged to actively participate in sessions and interact with available faculty. This is the meeting that everyone attends; you won’t want to miss the ample opportunities to socialize with your peers and luminaries in the cardiovascular ultrasound field.

Registration

ASE Member Physician: $795  
Nonmember Physician: $1,095  
ASE Member Sonographer/Allied Health*: $550 
Nonmember Sonographer/Allied Health*: $750

ASE Member Resident/Fellow in Training: $395  
Nonmember Resident/Fellow in Training: $495

Register Early and Save! Rates subject to change.
Please visit ASEScientificSessions.org for up-to-date pricing.

*Registrants in the Allied Health category include sonographers, nurses, and physician assistants.

“I thoroughly enjoyed this conference and learned so much.”

“All of the speakers in the sessions I attended were engaging, with excellent presentations.”
The American Society of Echocardiography’s education portfolio consists of online products, DVD products, workbooks, and reference materials. Online products can be found on ASEUniversity.org and physical products on ASEMarketPlace.com. Don’t forget to use your ASE member account to take advantage of member pricing.

ASE is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education (CME) for physicians. ASE certificates are recognized by ARDMS, CCI, and Sonography Canada and have agreed to honor the credit hours toward the registry requirements for sonographers.

All products with CME credits or MOC points are noted.

**ASEUniversity**

ASEUniversity is a medical education website featuring online, self-study learning opportunities for physicians, sonographers, and fellows. ASEUniversity maintains a selection of CME activities included for free with an active ASE membership. Available CME activities include a selection of one-hour recorded Webcasts as well as articles selected from the Journal of the American Society of Echocardiography (JASE). ASEUniversity posts at least four new webcasts and up to 12 new articles each calendar year, highlighting relevant topics, practice issues, and new guidelines and standards for cardiovascular ultrasound.

These activities are designed for physicians and cardiovascular sonographers with a primary interest and knowledge base in the field of echocardiography; in addition, residents, researchers, clinicians, intensivists, cardiac anesthesiologists, critical care physicians, and other medical professionals with a specific interest in cardiovascular ultrasound will find these activities beneficial.

**ASEUniversity Guideline-based Live Webinars**

Available: ONLINE ONLY on ASEUniversity.org

Live, guideline-based webinars are also available to ASE members and nonmembers. These interactive events allow you to learn from the experts in the privacy of your home or office, while interacting and engaging with your fellow attendees. Webinars also provide the opportunity to ask the presenter questions to be answered during the live broadcast. Each webinar is approximately one hour in length. The majority of live webinars offer CME credits.

**ASE Annual Scientific Sessions Online Library**

Available: ONLINE ONLY on ASEUniversity.org

*Non-CME educational product.*

ASE’s digital library combines slides, video, and speaker audio to give you the feel of a live meeting anywhere you go.

This expanding database contains several core curriculums taught by leading experts in the field of echocardiography. Originally presented at national, scientific conferences, ASE’s digital library provides you with year-round access to the audio and video materials. With mobile access, learning from the experts while sharing with colleagues and friends is now only a download away.

View all approved ASE Annual Scientific Sessions anywhere your computer or iOS device takes you! The ASE Annual Scientific Sessions Online Library includes: live audio recordings, PowerPoint presentations, and embedded video clips. Unlimited online access is available to all ASE Annual Scientific Sessions from 2009 through the latest conference. Purchase a single or multi-year subscription, full conference, or single sessions.

**ASE’s Comprehensive Echocardiography**

Available: Textbook on ASEMarketPlace.com or Amazon.com
e-Book on ASEMarketPlace.com

*Non-CME educational product.*

Written by world experts from the American Society of Echocardiography, Comprehensive Echocardiography is a unique multimedia resource with text, case studies, and online components covering the latest uses of echocardiography, including the most recent 2D and 3D advances. This 2nd edition, with its new title, has over 200 chapters that include essential material in a succinct format. It has everything you need to assess cardiac anatomy and function and obtain clinically useful, noninvasive information for more accurate diagnosis and evaluation of heart disease.

Included with the book is an online version and an outstanding online library of slides and videos of case presentations that correspond to crisp, full-color images, allowing you to view dynamic echocardiographic clips of various cardiac pathologies.

**ASE’s Comprehensive Echocardiography**

**ASEMember:** $199 **Nonmember:** $229

**ASE Annual Scientific Sessions Online Library**

**ASEMember:** FREE **Nonmember:** $25
ASEUniversity III: Case-based Learning
Available: ONLINE ONLY on ASEUniversity.org

Each volume is designated by ASE for 5 AMA PRA Category 1 Credits™.

Each volume is accepted by the ABIM for 10 MOC points towards medical knowledge self-assessment requirements.

ASEUniversity III: Case-based Learning includes two volumes which are entirely case-based, online cardiovascular ultrasound learning activities.

**Volume 1**
- Artifacts
- Cardiac masses
- Cardiomyopathies
- Congenital heart disease
- Coronary artery disease
- Diastolic function
- Doppler
- New technology
- Pericardial disease
- Stress echocardiography
- Valvular heart disease
- Ventricular size and function

**Volume 2**
- Aortic regurgitation
- Cardiomyopathies
- Closure devices/ device placement
- Congenital heart disease
- CRT
- Doppler
- Endocarditis
- Image optimization
- Mitral stenosis
- Stress echocardiography

Price per volume:

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Best of ASE Series
Available: DVD on ASEMarketPlace.com or Amazon.com
ONLINE on ASEUniversity.org

Non-CME educational product.

Enhance your understanding of echocardiography with this compilation of lectures from ASE courses. Broken down into multiple volumes, the current series includes:

- Volume 1: Introduction to Diastology
- Volume 2: Basics of Strain imaging
- Volume 3: A Practical Guide to 3D Echocardiography
- Volume 4: Basic Physics of Ultrasound, Knobology, and Echocardiographic Artifacts
- Volume 5: Contrast Echocardiography
- Volume 6: Echocardiographic Imaging of Native and Prosthetic Valves
- Volume 7: Stress Echocardiography
- Volume 8: Tranesophageal Echocardiography

Price per volume:

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Bundle Pricing (includes all DVDs)

| Member: $450 | Nonmember: $550 |

Case-based Learning:
Focus on Patient Safety
Available: ONLINE ONLY on ASEUniversity.org

Designated by ASE for 2.5 AMA PRA Category 1 Credits™.

Accepted by the ABIM for 9 MOC points towards the patient safety requirements.

Focus on Patient Safety is an entirely online, case-based program covering both clinical and safety issues.

Topics include, but are not limited to:

- Antibiotic prophylaxis
- Stress echocardiography
- Bioeffects of ultrasound
- TAVR
- Contrast
- TEE

Price per license:

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Clinical Cases in Echocardiography:
Focus on Congenital Heart Disease
Available: ONLINE ONLY on ASEUniversity.org

Designated by ASE for 5 AMA PRA Category 1 Credits™.

Accepted by the ABIM for 11 MOC points towards the Medical Knowledge Self-Assessment requirements.

Accepted by the ABP for 10 MOC points towards the Lifelong Learning Self-Assessment requirements.

This activity will provide online cases reviewing the role of echocardiography in diagnosis and follow-up of a wide variety of different congenital heart diseases and defects.

Topics include, but are not limited to:

- Atria and Ventricular Septal Defects
- Coarctation of the Aorta
- Ebstein’s Anomaly
- Patent Foramen Ovale
- Patent Ductus Arteriosus Valve Defects
- Pulmonary Artery Stenosis
- Tetralogy of Fallot
- Transposition of the Great Arteries

Cases will include symptomatic and asymptomatic diagnosis and treatment, as well as adult patients with repaired or palliated CHD.

Price per license:

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Essentials for Proficiency in Basic Cardiovascular Ultrasound

Available: DVD with Workbook on ASEMarketPlace.com or Amazon.com
ONLINE with Downloadable Workbook on ASEUniversity.org

Non-CME educational product.

Designed by top physicians and professors of cardiovascular medicine, this comprehensive review of basic echocardiography has been created as a teaching tool for echocardiography fellows and others interested in learning about the use of cardiovascular ultrasound in clinical practice. This set includes 15 lectures on a variety of topics, beginning with the normal TTE and TEE examinations, and then covering the mitral and aortic valves in-depth, left and right heart function, physics, prosthetic valves, and more. Each lecture has been carefully crafted to include a thorough review of practical concepts, references to ASE’s Guidelines and Standards, video examples of normal and abnormal echocardiograms, and case studies designed to provide real-word examples. A workbook correlates with the lectures to provide a guide for each presentation.

Lectures include:

- The Normal Transthoracic Echocardiogram
- Transesophageal Echocardiography
- Introduction to Physics of Echocardiography
- Echo Assessment of the Left Ventricle
- Mitral Valve 1: Normal Anatomy & Regurgitation
- Mitral Valve 2: Mitral Stenosis
- Aortic Valve 1: Normal Valve and Aortic Stenosis
- Aortic Valve 2: Regurgitation, Endocarditis
- Cardiomyopathies
- Echocardiography of Endocarditis
- The Right Heart
- Pericardial Disease
- Cardiac Masses and Tumors
- Coronary Artery Disease and Stress Echo
- Echocardiographic Assessment of Prosthetic Valves

ASE Member: $150  Nonmember: $250

Focused Cardiac Ultrasound: Fundamental Principles of Acquisition & Interpretation

Available: DVD ONLY on ASEMarketPlace.com or Amazon.com

Non-CME educational product.

This state-of-the-art DVD is an instructional video to be used for self-guided learning and professional lectures. The DVD features several interactive sections for flexible presentation, including an easy to navigate DVD menu, overview of relevant cardiac anatomy, presentation of transducer positions, imaging examples of a wide variety of pathologies, case presentations with discussions, and an interpretation practice section designed to gauge levels of familiarity with the materials presented.

Topics include:

**Section 1: Heart Anatomy**
- Heart and Ribs
- Axis of the Heart
- Planes of the Heart
- Chambers
- Valves and Annuli
- Blood Flow

**Section 2: Focused Cardiac Ultrasound Assessment**
- Left Parasternal Long Axis (PLAX)
- Left Parasternal Short Axis (PSAX)
- Apical
- Subcostal
- Lung

**Section 3: Pathologies, featuring 20 different examples, including:**
- Pericardial Effusion
- RV & LV Systolic Dysfunction
- Severely Calcified AV
- Pleural Effusion
- LV Hypertrophy
- Pulmonary Edema
- Dilated Aortic Root
- IVC Collapse

Also includes the following TWO BONUS MATERIAL SECTIONS to provide you with opportunities to test your knowledge through a variety of clinical patient scenarios!

**Section 4: Case Studies**
**Section 5: Practice Interpretations**

ASE Member: $150  Nonmember: $250
**How to Perform a Transthoracic Echocardiographic Study: Transducer Position and Anatomy**

Available: DVD ONLY on ASEMarketPlace.com or Amazon.com

*Non-CME educational product.*

This product is an instructional video that can be used for professional lectures and offers an interactive section for flexible presentations. The video includes an overview of relevant cardiac anatomy, a step-by-step presentation of all transducer positions and the sequential transducer movements to acquire standard echo images needed to complete a Transthoracic Echocardiographic Study.

The cardiac anatomy section visualizes relationships of the heart, ribs, axis of the heart, planes of the heart, and aorta, chambers, valves and annuli, and blood flow through the heart. The transducer position menu allows the user to view the anatomical landmarks and the transducer positions for left parasternal, apical, subcostal, suprasternal, and right parasternal image acquisition.

The views and imaging menu allows the user to navigate from a particular transducer position menu such as left parasternal long to specific images acquired within that window such as PLAX high depth, PLAX low depth, and PLAX Zoom of the Aortic and Mitral Valves. Each animated loop shows a finder image in the upper left that depicts the transducer position, an illustration of the sectional anatomy of the heart on the left, and the echo image with labels on the right.

This product content consists of two sections as follows:

**Section 1:**
- Heart Anatomy
  1.1 Heart and Ribs Echocardiography
  1.2 Axis of the Heart
  1.3 Planes of the Heart (PLAX)
  1.4 Chambers
  1.5 Valves and Annuli (PSAX)
  1.6 Blood Flow

**Section 2:**
- Basic Transthoracic
  2.1 Left Parasternal Long
  2.2 Left Parasternal Short
  2.3 Apical
  2.4 Subcostal
  2.5 Suprasternal

**ASE Member:** $150  
**Nonmember:** $250

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**Lecture Series: Pediatric and Congenital Heart Disease**

Available: ONLINE ONLY on ASEUniversity.org

*Designated by ASE for 15.75 for AMA PRA Category 1 Credits™.*

This product is a comprehensive lecture series for core types of congenital heart disease. An in-depth understanding of the various types of congenital heart disease is presented based on the use of echocardiography/pathology correlations and echocardiography/surgery correlations. The lecture series is comprised of 12 lesions.

- Lesion 1: Pulmonary Venous Anomalies
- Lesion 2: Atrial Septal Defects
- Lesion 3: Tricuspid Valve Pathology
- Lesion 4: Common Atrioventricular Canal
- Lesion 5: Tetralogy of Fallot
- Lesion 6: Double Outlet Right Ventricle
- Lesion 7: Congenitally Corrected Transposition of the Great Arteries
- Lesion 8: Hypoplastic Left Heart Syndrome
- Lesion 9: Pulmonary Atresia with Intact Ventricular Septum
- Lesion 10: Aortic Coarctation and Interrupted Aortic Arch
- Lesion 11: Truncus Arteriosus
- Lesion 12: D-Transposition of the Great Arteries

**1 User License**
- ASE Member: $175  
- Nonmember: $250

**5 User License**
- ASE Member: $375  
- Nonmember: $475

**10 User License**
- ASE Member: $600  
- Nonmember: $700

**Individual Lesions**
- ASE Member: $20  
- Nonmember: $25
Proper Echocardiographic Measurements: How and Why

Available: DVD on ASEMarketPlace.com or Amazon.com
ONLINE on ASEUniversity.org

Designated by ASE for 5 AMA PRA Category 1 Credits™.

Proper Echocardiographic Measurements is a guideline-based product focused on the methods used to obtain measurements, to include data and explanations to show why they are appropriate. This educational tool comprises a combination of didactic lectures and clinical questions, and can be used as a review for current sonographers, as well as a training new for new or early career sonographers and others who are interested in the practice of cardiovascular ultrasound.

Topics include:
- 2D vs. M-mode
- IVC Diameter Right Heart Measurements
- Mitral valve: Stenosis and Regurgitation
- LV Linear Measurements: 2D and M-mode
- Velocity Measurements: Using Spectral Doppler Ultrasound Correctly
- Tricuspid Valve: Normal, Stenosis, Regurgitation
- Diastology: E, A, DT
- Basal Cardiac Measurements (Aortic annulus and root and LA diameter)
- LV Volume
- Diastology: Annular Velocities
- Aortic Valve: Normal, Stenosis, Regurgitation
- LA Volume
- Diastology: Pulmonary Vein Velocities
- LVOT/Aortic Velocities: HOCM
- Pulmonic Valve: Normal, Stenosis, Regurgitation

1 User License
ASE Member: $175
Nonmember: $250

5 User License
ASE Member: $375
Nonmember: $475

10 User License
ASE Member: $600
Nonmember: $700

Self-Study Program III

Available: DVD ONLY on ASEMarketPlace.com or Amazon.com

Designated by ASE for 15.5 AMA PRA Category 1 Credits™.

This is a self-study program containing 15 presentations that you can move through at your own pace. This activity is designed for adult and pediatric cardiologists, cardiovascular surgeons, cardiovascular anesthesiologists, fellows in training, cardiovascular sonographers, cardiovascular nurse specialists, internists, intensivists, and emergency physicians with special interest in clinical cardiology and echocardiography.

Topics include:
- Duplex Imaging in Carotid Disease Management
- Symptom-Based Echocardiography
- Recommendations for the Use of Echocardiography in New Transcatheter Interventions for Valvular Heart Disease
- Practical Review of Guidelines: Aortic Stenosis and Aortic Regurgitation
- Speckle Tracking for the Sonographer
- Contrast Echocardiography
- 3D Echocardiography – Current & Future Applications
- Cardiac Sources of Emboli
- Performing a Comprehensive Transesophageal Echocardiography Examination
- Clinical Recommendations for Multimodality Cardiovascular Imaging of Patients with Pericardial Disease
- Assessment of Native and Prosthetic Valvular Heart Disease: A Case-Based Review of the ASE Guidelines
- Echocardiography in Mechanical Support Devices
- Multimodality Imaging Guidelines for Patients with Repaired Tetralogy of Fallot
- The Adult with Undiagnosed Congenital Heart Disease: Echocardiographic Evaluation
- Ischemic Stroke and TIA Nonvalvular Atrial Fibrillation Assessment by Cardiovascular Imaging

1 User License
ASE Member: $175
Nonmember: $250

5 User License
ASE Member: $375
Nonmember: $475

10 User License
ASE Member: $600
Nonmember: $700
Transesophageal Echocardiography in Perioperative Care

Available: DVD on ASEMarketPlace.com or Amazon.com

ONLINE on ASEUniversity.org

Designated by ASE for 5 AMA PRA Category 1 Credits™

This is an online, case-based educational tool for anesthesiologists, cardiologists, fellows, surgeons, and other interested individuals currently performing and/or interpreting transesophageal echocardiography (TEE) for intraoperative procedures. Throughout the activity, case progression has been provided to showcase images before, during, and after the procedure.

Topics include, but are not limited to:

- LV Function
- RV Function
- Diseases of the Aorta
- Aortic Valve and Root
- LVOT (Including HCM)
- Mitral Valve Stenosis
- Mitral Valve Regurgitation
- Tricuspid Valve
- Atrial Septum
- Other Intraoperative Uses Outside of Monitoring and Emergency Diagnosis

1 User License 5 User License 10 User License

ASE Member: $175  ASE Member: $375  ASE Member: $600
Nonmember: $250  Nonmember: $475  Nonmember: $700

ASE and Ke Labs have collaborated to co-develop the Echo Test and Teach Application. Designed through the expert guidance of Harvey Feigenbaum, MD, FASE, and founder of ASE, this tool was produced to ensure quality and consistency of cardiac ultrasound image review as well as to educate users on interesting cases and new techniques.

Features and benefits:

- Serves as a training tool to enhance the skills of sonographers and physicians in the measurement and interpretation of cardiac ultrasound images (echocardiograms)
- Supports quality improvement standards, including variability and correlation between different modalities in the measurement and interpretation of cardiac ultrasound images
- Facilitates and enhances patient care
- Offers a hands-on, real-world training experience without being tied to an imaging device
- User results can be analyzed and viewed individually or as a group
- Includes preloaded case studies covering multiple areas created by experts in the field
- Includes analytic tools to enable administrators to analyze collective results
- Supports the fulfillment of accreditation requirements
- Can be applied to any area of medical imaging
- Cloud-based so users can access the software anytime and anywhere
- New case studies can be added by an institution

For more information visit: ASEcho.org/echo-test-and-teach/
ASCeXAM/ReASCE Review Course
Online Library

Available: ONLINE ONLY on ASEUniversity.org

Non-CME educational product.

These lectures were presented at ASE's ASCeXAM /ReASCE Review Course by expert faculty and cover all aspects of cardiovascular ultrasound essential to the board examinations. The online lecture format features synchronized slides; including embedded videos and the accompanying audio. You will feel like you are sitting in the class. This product is perfect for individuals looking to access the content anytime, anywhere.

This 28-hour, online course set will help you prepare for the NBE exams.

ASE Member: $375  Nonmember: $525

ASCeXAM/ReASCE Online Practice
Exam Simulation

Available: ONLINE ONLY on ASEUniversity.org

Non-CME educational product.

Designed to prepare physicians for the National Board of Echocardiography's ASCeXAM or ReASCE certification examinations, this test bank consists of 300 multiple choice questions containing over 400 images and videos covering:

- The Physical Principles of Cardiovascular Ultrasound
- Valvular Heart Disease
- Ventricular Size and Function
- Coronary Artery Disease and Cardiomyopathies
- Congenital Heart Disease and Fetal Echocardiography as well as Cardiac Masses
- Pericardial Disease
- Myocardial Contrast
- M-mode
- Two-Dimensional
- Doppler Echocardiography
- Latest Applications in Echocardiography

In addition to objective-based questions, case studies are included to evaluate your knowledge of the field. This product allows you to take two simulated exams of 150 questions and be graded up to six times.

ASE Member: $199  Nonmember: $250

Cardiovascular Sonographer
Registry Review Guide

Available: DVD with Workbook on ASEMarketPlace.com or Amazon.com

ONLINE with Downloadable Workbook on ASEUniversity.org

Non-CME educational product.

ASE has specifically designed the Sonographer Registry Review as a study guide for both the ARDMS and CCI registry examinations. A series of lectures will cover content related to adult echocardiography and physics. The lectures will include illustrative cases and practice exam questions for each subject area assigned. Each lecture will provide the essentials of topics expected to be covered on the registry examinations. In addition, a 500-page workbook of the presentations and other helpful material is included either electronically or in hard copy form.

Lectures cover the following topics:

- Intro to Echo
- Physics
- The Left Side
- Cardiomyopathies and Pericardial Disease
- Mitral Valve Disease
- Prosthetic Valve Disease
- Aortic Valve Disease
- Aortic Disease
- Right Side
- Congenital Heart Disease
- Cardiac Tumors

ASE Member: $150  Nonmember: $250
ASE Guideline Products

ASE Guideline Reference Book

Available: Binder with inserts on ASEMarketPlace.org or Amazon.com e-Book on ASEUniversity.org

Non-CME educational product.


The three-ring binder is designed to accommodate new inserts as they are published. Each title can be included in the entire book or purchased as an individual inserts. Perfect for use in the reading room. This book is a best-seller!

The online e-Book comes in a convenient format for quick reference and is designed to immediately include new inserts as they are published.

The Reference Book consists of the following graphic illustrations:

- Echocardiographic Assessment of Valve Stenosis (JASE, January 2009)
- Echocardiographic Evaluation of LV Diastolic Function (JASE, February 2009)
- Evaluation of Prosthetic Valves with Echocardiography and Doppler Ultrasound (JASE, September 2009)
- Guidelines for Appropriate Use Criteria for Echocardiography (JASE, March 2011)
- Guidelines for Performing a Comprehensive Transesophageal Echocardiographic Exam (JASE, September 2013)
- Guidelines for Performing Multiplane Transesophageal Echocardiography (JASE, 1999)
- Guidelines for Stress Echocardiography (JASE, September 2007)

Online e-Book

ASE Member: $75 annually  Nonmember: $100 annually

Binder with Inserts

ASE Member: $225  Nonmember: $325

Individual Inserts

ASE Member: $40  Nonmember: $75

Individual ASE Pocket Guidelines

Available: ASEMarketPlace.com or Amazon.com

These pocket-sized flipbooks, of charts from ASE guidelines and standards for cardiovascular ultrasound, were designed to be carried in lab coats and scrub pockets and used as quick reference guides for measurements.

- Evaluation of Prosthetic Valves with Echocardiography and Doppler Ultrasound (JASE, September 2009)
- Echocardiographic Evaluation of Left Ventricular Diastolic Function by Echocardiography (JASE, February 2009)
- Echocardiographic Assessment of Valvular Regurgitation and Stenosis (JASE, September 2009)
- Recommendations for Image Acquisition and Display Using Three-Dimensional Echocardiography (JASE, January 2012)
- Guidelines for Chamber Quantification of the Left Heart (JASE, January 2015)
- Guidelines for Chamber Quantification of the Right Heart (JASE, January 2015)

ASE Member: $10  Nonmember: $15

Bulk Rate: $8 each for 100 or more

ASE Pocket Guideline Bundle

Available: ASEMarketplace.com or Amazon.com

This bundle includes the six ASE Pocket Guidelines listed above.

ASE Member: $50  Nonmember: $75

Bulk Rate: $42 each for 100 or more
ASE Guideline Products

**Guideline Posters**

ASE’s poster series is a visual representation of the guidelines and standards set by ASE. The designs are pleasing to the eye and suited for display in patient areas and clinics. A great addition to your lab, these 24” x 30” posters will serve as a valuable resource for both physicians and technicians.

**Individual Posters**

- Consensus Statement on the Clinical Applications of Ultrasonic Contrast Agents in Echocardiography (JASE, November 2008)
- Echocardiographic Assessment of Valve Stenosis: EAE/ASE Recommendations for Clinical Practice (JASE, January 2009)
- Echocardiographic Evaluation of LV Diastolic Function (JASE, February 2009)
- Guidelines for Chamber Quantification of the Left Heart (JASE, January 2015);
- Guidelines for Chamber Quantification of the Right Heart (JASE, January 2015);
- Guidelines for Evaluation of Valvular Regurgitation (JASE, July 2003)
- Guidelines for Noninvasive Vascular Laboratory Testing (JASE, August 2006)
- Guidelines for Pediatric Echocardiography (JASE, December 2006)
- Guidelines for Performing a Comprehensive Transesophageal Echocardiographic Exam (JASE, September 2013)*
- Guidelines for Performing Multplane Transesophageal Echocardiography (JASE, October 1999)
- Guidelines for Stress Echocardiography (JASE, September 2007)
- Multimodality Cardiovascualr Imaging of Patients with Hypertrophic Cardiomyopathy (JASE, May 2011)
- Recommendations for Evaluation of Prosthetic Valve with Echocardiography and Doppler Ultrasound (JASE, September 2009)
- Recommendations for Image Acquisition and Display Using Three-Dimensional Echocardiography (JASE, January 2012)
- Recommendations for Multimodality Cardiovascular Imaging of Patients with Pericardial Disease (JASE, September 2013)
- Recommendations for Quantification Methods during the Performance of a Pediatric Echocardiogram (JASE, May 2010)

**ASE Member:** $20    **Nonmember:** $30

**Guideline Poster Set**

Set consisting of 16 full-size ASE Guideline Posters

**ASE Member:** $225    **Nonmember:** $325

**Guideline Poster Flip Chart**

Tabletop flip chart consisting of 15 ASE Guidelines Posters reduced to 11” x 14-3/4”, laminated and presented in a vinyl heat sealed binder.

*not included in flip chart

**ASE Member:** $200    **Nonmember:** $265

**Individual Posters:**  **ASE Member:** $20    **Nonmember:** $30

**Guideline Lab Bundle**

With ASE’s Guideline Lab Bundle, you can stock your lab with excellent products at a substantial savings. Included in the bundle is one Guideline Reference Book, one Guideline Poster Flipchart and ten complete sets of Pocket Guides. Save over $100 off individual pricing.

**ASE Member:** $700    **Nonmember:** $1,000
JASE brings physicians and sonographers the very latest clinical, scientific, legal, and economic information regarding the use of cardiac ultrasound. The Journal’s original, peer-reviewed articles cover conventional procedures as well as newer clinical techniques, such as transesophageal echocardiography, intraoperative echocardiography, and intravascular ultrasound. The Journal, an official publication of the American Society of Echocardiography, has an Impact Factor of 4.056. Your subscription also includes online access to JASE.

OnlineJASE.com

ASE Member: FREE
Nonmember: $352 per year (U.S.)/$468 per year (international)

CME for JASE Articles

AVAILABLE: ONLINE ONLY on ASEUniversity.org

New postings are made frequently. Visit the website for all the latest additions.

CME credits and MOC points will be listed online where appropriate. See specific article for more information.

Title

- A Practical Guide to Pediatric Coronary Artery Imaging with Echocardiography
- Appropriate Use Criteria for Initial Transthoracic Echocardiography in Outpatient Pediatric Cardiology
- Echocardiography in the Management of Patients with Left Ventricular Assist Devices: Recommendations from the American Society of Echocardiography
- Echocardiography: Profiling of the Athlete’s Heart
- Expert Consensus for Multimodality Imaging Evaluation of Adult Patients during and after Cancer Therapy
- Guidelines for the Cardiac Sonographer in the Performance of Contrast Echocardiography: A Focused Update from the American Society of Echocardiography
- Guidelines for the Use of Echocardiography as a Monitor for Therapeutic Intervention in Adults: A Report from the American Society of Echocardiography
- Impact of Implantable Transvenous Device Lead Location on Severity of Tricuspid Regurgitation
- Libman-Sacks Endocarditis: Detection, Characterization, and Clinical Correlates by Three-Dimensional Transesophageal Echocardiography
- Multimodality Imaging of Diseases of the Thoracic Aorta in Adults: From the American Society of Echocardiography and the European Association of Cardiovascular Imaging
- Percutaneous Closure of Perivalvular Mitral Regurgitation: How Should the Interventionalists and Echocardiographers Communicate?
- Radiation Safety for the Cardiac Sonographer: Recommendations of the Radiation Safety Writing Group for the Council on Cardiovascular Sonography of the American Society of Echocardiography
- Recommendations for Cardiac Chamber Quantification by Echocardiography in Adults
- The Miniaturized Multiplane Micro-Transesophageal Echocardiographic Probe: A Comparative Evaluation of Its Accuracy and Image Quality
- Three Dimensional Echocardiography in the Assessment of Congenital Mitral Valve Disease

ASE Member: FREE
Nonmember: $25
Guideline Reviews

- ASE Guidelines for the Cardiac Sonographer in the Performance of Contrast Echocardiography
  Thomas R. Porter, MD, FASE; Theodore F. Hubbard, MD
- ASE Guideline in Review: Multimodality Imaging Guidelines for Patients with Repaired Tetralogy of Fallot
  Anne Marie Valente, MD, FASE; Tal Geva, MD, FASE
- Assessment of Native and Prosthetic Valvular Heart Disease: A Case-based Review of the ASE Guidelines
  Rebecca Hahn, MD, FASE
- Basic Perioperative Transesophageal Echocardiography Examination - An ASE Guideline Review
  Scott Reeves, MD, FASE
- Clinical Recommendations for Multimodality Cardiovascular Imaging of Patients with Pericardial Disease: A Guideline in Review
  Allan Klein, MD, FASE
- Focused Cardiac Ultrasound: Recommendations from the American Society of Echocardiography - A Guideline Review
  Kirk Spencer, MD, FASE
- Performing a Comprehensive Transesophageal Echocardiography Exam: A Guideline in Review
  Rebecca Hahn, MD, FASE
- Practical Review of Guidelines: Aortic Stenosis and Aortic Regurgitation
  Charles J. Bruce, MD, FASE
- Recommendations for Cardiac Chamber Quantification by Echocardiography in Adults
  Roberto Lang, MD, FASE

Live Webinar Recordings

- Guidelines for the Use of Echocardiography as a Monitor for Therapeutic Intervention in Adults
  Thomas Porter, MD, FASE
- Multimodality Imaging of Diseases of the Thoracic Aorta in Adults
  Steven Goldstein, MD, FASE

Subject Specific

- 3D Echocardiography - Current & Future Applications
  Mark Monaghan, FRCP (Hon), PhD
- Cardiac Source of Emboli
  Muhamed Saric, MD, PhD, FASE
- Contrast Echocardiography
  Jonathan Lindner, MD, FASE
- Diastolic Function: Dealing with Discrepancies in Data
  Miguel Quiñones, MD, FASE
- Echocardiography in Mechanical Support Devices
  James Kirkpatrick, MD, FASE
- Echo Guidance for TAVR
  Stephen H. Little, MD, FASE
- Emergency Echocardiography for the ICU Setting
  Colin Grissom, MD, FASE
- Ischemic Stroke and TIA Nonvalvular Atrial Fibrillation - Assessment by Cardiovascular Imaging
  Marcus Stoddard, MD, FASE
- Multimodality Imaging Evaluation of Adult Patients During and After Cancer Therapy
  Juan Carlos Plana, MD, FASE
- Rescue Echocardiography - What Every Exam Should Entail
  Nicholas Markin, MD
- Speckle Tracking for the Sonographer
  Jeffrey Hill, BS, RDGS, FASE
- The Adult with Undiagnosed Congenital Heart Disease: Echocardiographic Evaluation
  Sabrina Phillips, MD, FASE
Echo AUC App

AVAILABLE: Apple’s iTunes store and Google Play store.

ASE Foundation received support from the Robert Wood Johnson Foundation and the Choosing Wisely campaign to develop the Echo Appropriate Use Criterial application. This app is utilized to help physicians make wise decisions about the most appropriate care for the patient.

ASE Member & Nonmember: FREE

iASE App

AVAILABLE: Apple’s iTunes store and Google Play store.

This application is a platform to deliver the top guidelines published by ASE.

Each guideline summary includes key tables, reference values, and figures that are quick and easy to look-up. They can also serve as a teaching tool in an educational setting.

Close to 30 echocardiography calculators are included to complement the guidelines. They feature useful information, figures, and references.

The rapid access library contains 54 guidelines from 1999-2015 totaling over 1000 pages that can reviewed, downloaded, and printed.

Echocardiography calculators:
- Aortic Root Index
- AV Velocity Ratio
- AVA (Continuity Eqn VTI)
- AVA (Continuity Eqn VMax)
- dP/dt (LV Contractility)
- dP/dt (RV Contractility)
- Left Atrial Pressure (MR)
- LA Volume (Biplane Method)
- LV EF (Mod Quinones Eqn)
- LV EF (Simp Quinones Eqn)
- LV Fractional Shortening
- LV Mass and LV Mass Index
- Mitral Valve Area (PHT)
- Mitral Valvuloplasty Score
- Modified Bernoulli Equation
- MPI (LV)
- MPI (RV)
- Prosthetic AV EOA
- Prosthetic AV DVI
- Prosthetic MV EOA
- Prosthetic MV DVI
- PISA (Mitral Regurgitation)
- PISA (Mitral Stenosis)
- Qp/Qs
- RVSP (TR)
- Sinus Valsalva Dimensions
- SV, CO

Included special reference value tables:
- Prosthetic Aortic Valves
- Estimation of Filling Pressures
- Prosthetic Mitral Valves
- Grading of Diastolic
- Evaluation of Elevated Peak Dysfunction
- Prosthetic Aortic Jet Velocity >3 m/s

Included guideline summaries are:
- Chamber Quantification (2015)
- Left Ventricular Diastolic Function (2009)
- Prosthetic Valves (2009)
- Valvular Stenosis (2009)

ASE Member & Nonmember: $4.99
Connect@ASE – ASE’s Networking Platform

Participate in the global conversation on ASE’s networking platform, Connect@ASE (Connect.ASEcho.org). This members-only site is the host for our active discussion forums, our image library containing hundreds of moving images, and our enhanced member directory to connect with colleagues. Access Connect@ASE on your device by downloading the free app by searching for ‘MemberCentric’ and selecting ASE.

For more information, visit Connect.ASEcho.org

ASE Education Co-Sponsorship (without CME)

As an organization dedicated to excellence in cardiovascular ultrasound for patient care, ASE strives to promote and provide opportunities for enhancement of knowledge and skills of members and nonmembers through its educational programming. The purpose of ASE’s educational programs is to improve proficiency in the field of cardiovascular ultrasound, which is an important tool for optimal management of patients with heart disease.

A co-sponsorship agreement without CME is one whereby the submitting organization is an ACCME Accredited Provider responsible for the educational integrity of the program. ASE will endorse the educational activity, but assumes no CME responsibility; the submitting organization is responsible for providing CME and ensuring that the activity is conducted in accordance with all ACCME guidelines and policies. Multiple sponsorship levels are available, each with great marketing benefits to help drive course attendance. ASE accepts applications for co-sponsorship based upon topic, time frame, and target audience.

For full details, pricing, and to download a copy of the application, please visit ASEcho.org/ASE-sponsorship-opportunity.

Hospital CEU Programs

This program is designed for cardiac ultrasound and cardiovascular laboratories that hold monthly, in-house meetings related to echocardiography. Under the guidelines set forth by this program, sonographer attendees will be eligible for up to 12 ASE CEU credits per year from attendance at these meetings. ASE CEU credits are honored by ARDMS and CCI towards registry requirements for sonographers.

For labs up to 10 people: $250
For labs with 11 – 25 people: $300
For labs with 26 – 50 people: $400
For labs with over 50 people: $500

For more information, visit ASEcho.org/ceuprograms

Local Society CEU Program

ASE partners with local echocardiography societies to provide CEU to cardiovascular sonographers attending their meeting. Local echocardiography societies will be approved to offer up to 12 ASE CEU credits to attendees per year. ASE CEU credits are honored by ARDMS and CCI towards registry requirements for sonographers.

Application Fee: $300
For more information, visit ASEcho.org/ceuprograms

How to Order Products

ASE Members

1. Login to your member portal by selecting the “Login” button at the top of ASEcho.org.
2. Select “ASE MarketPlace” on the left side.
3. Select the category for your product and locate it in the displayed list.
4. Select “Learn More” to see a detailed product description and to add the product to your cart.

Nonmembers

1. Navigate a web browser to Amazon.com/shops/ASE.
2. Locate the search bar near the top of the screen, and enter the product name.
3. Click the “Go” button to the right of the search bar to display the list of products.
## GENERAL EDUCATION PRODUCTS

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## Exam Review Products

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## Guideline Products

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## JASE, Online Articles, and Webinars

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## Smartphone / Tablet Applications

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*Multi user license pricing available
As the largest global organization for cardiovascular ultrasound imaging, The American Society of Echocardiography (ASE) is the leader and advocate, setting practice standards and guidelines. Comprised of over 16,000 physicians, sonographers, nurses, and scientists, ASE is a strong voice providing guidance, expertise and education to its members with a commitment to improving the practice of ultrasound and imaging of the heart and cardiovascular system for better patient outcomes.

Become a member of ASE! Thousands of leaders in the field of echocardiography already receive ASE’s many benefits.

**ASE’s Mission**

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.

**Learn more at ASEcho.org**
## How Much is Membership?

ASE strives to maintain low membership fees while offering an extremely wide range of benefits to the cardiovascular imaging professional.

### Join online today at ASEcho.org

### North American Membership Fees (U.S., Canada & Mexico)

A monthly print subscription to the *Journal of the American Society of Echocardiography* (JASE) is included in your dues, with the exception of students and fellows who can only access JASE online.

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### Early Career Memberships (Completed training within last four years)

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### Student Memberships

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### International Membership Fees (Outside U.S., Canada & Mexico)

An online subscription to the *Journal of the American Society of Echocardiography* (JASE) is included in your dues, unless you select to have JASE mailed for an additional $90 fee.

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### Student Memberships

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</table>

* The Allied Health category includes sonographers, nurses, and physician assistants.
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