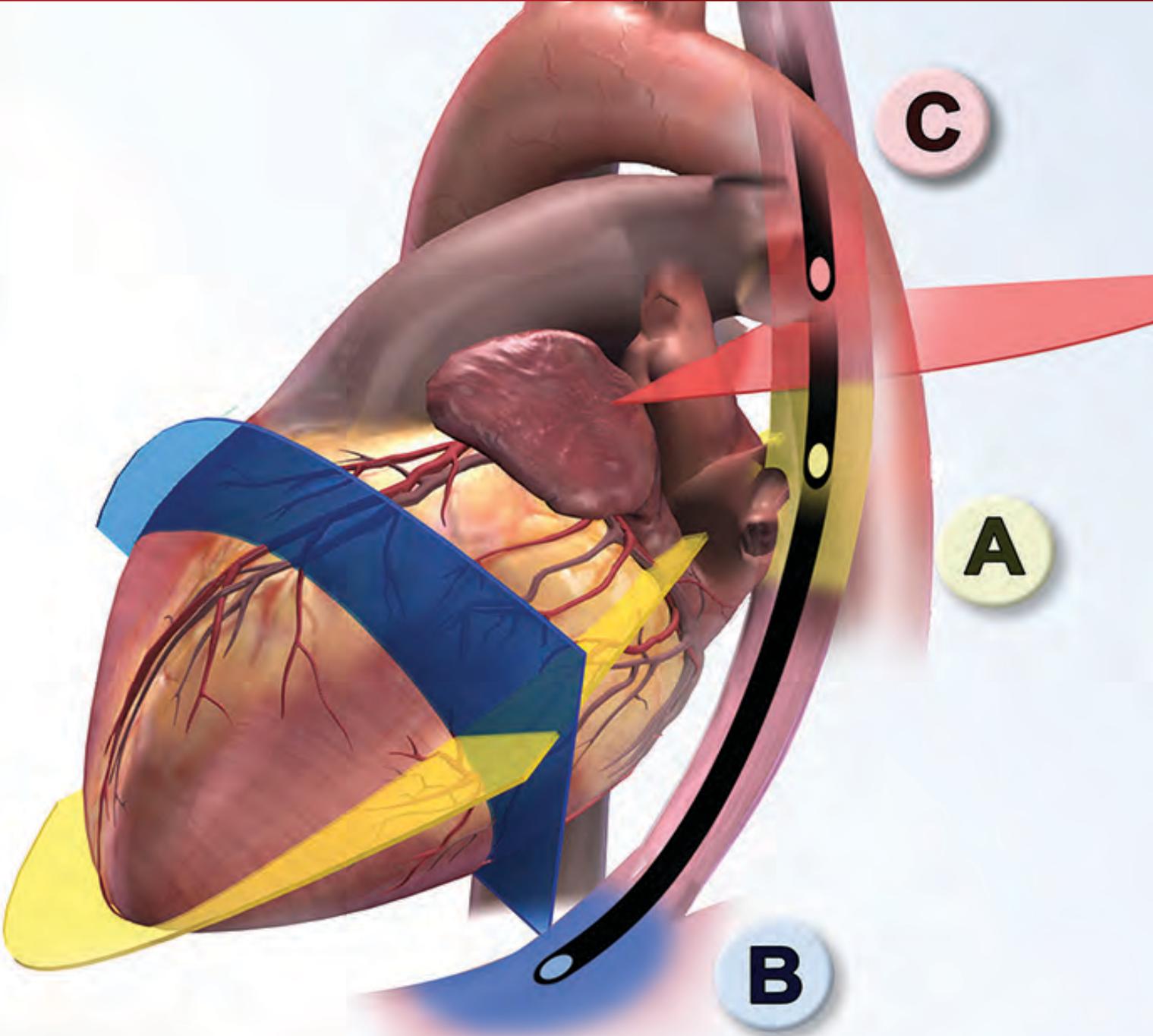


EDUCATION CATALOG

THE AMERICAN SOCIETY
OF ECHOCARDIOGRAPHY



The American Society of Echocardiography is an organization of professionals 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.



TABLE OF CONTENTS

2	Live Courses
6	Online Learning
11	Educational Products
	Pocket Guidelines
	Guideline Posters
	Educational Publications
	Educational DVDs
18	ASE Continuing Education Units (CEUs)
18	ASE Educational Program Sponsorship
19	Product Price Guide
20	About ASE
21	How Much is Membership?

Cover artwork taken from Guidelines for Performing a Comprehensive Transesophageal Echocardiography Examination poster available at www.ASEMarketPlace.com and Amazon.com.

Echo Hawaii

ASE IS EDUCATION

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

ASE is committed to ensuring that its educational mission and all sponsored educational programs are not influenced by the special interests of any corporation or individual, and its mandate is to retain only those speakers whose financial interests can be effectively resolved to maintain the goals and educational integrity of its programs. While a monetary or professional affiliation with a corporation does not necessarily influence a presentation, the Essential Areas and policies of the ACCME require that any relationship that could possibly conflict with the educational value of a program be resolved prior to the educational session and disclosed to the audience. In accordance with these policies, ASE implements mechanisms prior to the planning and implementation of CME activities to identify and resolve conflicts of interest for all individuals in a position to control content.

**Register for all
ASE courses at
www.asecho.org/education**

**26th Annual Echo Hawaii - January 18-22, 2016
Hapuna Beach Prince Hotel, Kohala Coast, HI**

**27th Annual Echo Hawaii - January 23-27, 2017
Hapuna Beach Prince Hotel, Kohala Coast, HI**



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 are available for sonographer education and laboratory quality improvement.

***“Another outstanding conference at the best venue
in the world at the best time.”***

***“This is an outstanding faculty and one of the
best courses I have ever attended (in 25+ years)
-- echo, interventional, or general.”***

ASE Member Physician: \$675
Nonmember Physician: \$795

ASE Member Sonographer/
Allied Health: \$550

Nonmember Sonographer/
Allied Health: \$650

ASE Member Resident/
Fellow in Training: \$455

Nonmember Resident/
Fellow in Training: \$555

Maintenance of Certification
ASE Member: \$175
Nonmember: \$250

Rates subject to change. Please visit www.asecho.org for up-to-date pricing.

State-of-the-Art Echocardiography

ASCeXAM/ReASCE Review Course

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

30th Annual State-of-the-Art Echocardiography
February 18-21, 2017
Hilton Tucson EL Conquistador Golf & Tennis Resort,
Tucson, AZ

State-of-the-Art Echocardiography is a premier educational venue for echocardiography in clinical practice. This superbly rated meeting is filled to capacity year after year. Topics include quantitative echocardiography, valvular and ischemic heart disease, stress/contrast echocardiography, advances in imaging in coronary disease, state-of-the-art and clinical applications of transesophageal echocardiography (TEE), diastology, physiological disease management and myopericardial diseases. Special workshops are available on focused topics of interest to the general as well as specialty participants.

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.

***“Course was excellent!
These are fantastic seminars, as usual.”***

***“I’ve learned a lot in a very friendly atmosphere.
Great speakers, great colleagues,
great hotel. Loved it all.”***

Main Conference

ASE Member Physician: \$725
Nonmember Physician: \$825
ASE Member Sonographer/
Allied Health/Fellow: \$550
Nonmember Sonographer/Allied
Health/Fellow: \$650

Preconference Workshops

Learning Lab
ASE Member: \$475
Nonmember: \$595
Maintenance of Certification
ASE Member: \$350
Nonmember: \$450

16th Annual ASCeXAM/ReASCE Review Course
May 2-5, 2015
Sheraton Philadelphia Downtown Hotel, Philadelphia, PA

17th Annual ASCeXAM/ReASCE Review Course
April 16-19, 2016
Lowes Philadelphia Hotel, Philadelphia, PA

18th Annual ASCeXAM/ReASCE Review Course
April 29 - May 2, 2017
Lowes Philadelphia Hotel, Philadelphia, PA

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 Courses have been designed with the computer-based examination administration in mind. There is more case-based learning and increased 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.

Conference Rates 2015

ASE Member Physician: \$925
Nonmember Physician: \$1145
ASE Member Sonographer/
Allied Health: \$800

Nonmember Sonographer/
Allied Health: \$950
ASE Member Resident/
Fellow in Training: \$875
Nonmember Resident/
Fellow in Training: \$1000

Rates subject to change. Please visit www.asecho.org for up-to-date pricing.



Echo Florida

4th Annual Echo Florida • October 11-13, 2015
Disney's Yacht & Beach Club Resort,
Walt Disney World®, FL

5th Annual Echo Florida • October 9-11, 2016
Disney's Grand Floridian Resort & Spa,
Walt Disney World®, FL

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
- 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

Main Conference Rates (2015)

ASE Member Physician: \$725
Nonmember Physician: \$899
ASE Member Sonographer/
Allied Health/Fellow: \$550
Nonmember Sonographer/Allied
Health/Fellow: \$699

Preconference available October 10, 2015

Maintenance of Certification
ASE Member: \$350
Nonmember: \$450
Learning Lab:
Computer Based Learning
ASE Member: \$350
Nonmember: \$450

Rates subject to change. Please visit www.asecho.org for up-to-date pricing. Topics include:



© Disney

**1st Echo ASE ASEAN – October 23-25, 2015
Conrad Bangkok, Bangkok, Thailand**

The aim of the Echo ASE-ASEAN Symposium is to provide cardiovascular practitioners with information on state-of-the-art echocardiography technology. This international meeting is led by expert faculty from the United States and the countries comprising the ASEAN region who are leaders in how echocardiography can be effectively applied to improve clinical care. The faculty will focus on the latest cardiovascular ultrasound technologies. Case-based learning approaches will be used to highlight 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, contemporary approaches to valve disease, guidance of interventional procedures, contrast echocardiography, ischemic heart disease, pericardial disease, and echo in arrhythmic disorders.

This course is designed for adult cardiologists, cardiovascular surgeons, cardiovascular anesthesiologists, fellows in training, cardiovascular sonographers, internists and intensive care specialists with special interest in clinical cardiology and echocardiography.

Main Conference Rates

ASE Member Physician: \$475

Nonmember Physician: \$525

ASE Member Sonographer/
Allied Health/Fellow: \$325

Nonmember Sonographer/Allied
Health/Fellow: \$375

**26th Annual Scientific Sessions - June 12-16, 2015
Hynes Convention Center, Boston, MA**

**27th Annual Scientific Sessions - June 10-14, 2016
Washington State Convention Center, Seattle, WA**

**28th Annual Scientific Sessions - June 2-6, 2017
Baltimore Convention Center, Baltimore, MD**

**29th Annual Scientific Sessions - June 22-26, 2018
Gaylord Opryland Resort & Convention Center, Nashville, TN**

**30th Annual Scientific Sessions - June 21-25, 2019
Oregon Convention Center, Portland, OR**

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.

ASE Member Physician: \$615
Nonmember Physician: \$975

Nonmember Sonographer/
Allied Health: \$595

ASE Member Sonographer/
Allied Health: \$375

ASE Member Resident/Fellow in
Training: \$255

Nonmember Resident/Fellow in
Training: \$475

Rates subject to change. Please visit www.asescientificsessions.org for up-to-date pricing.

“Great meeting! Informative, precise, variety of topics to choose from, excellent, well-prepared lecturers.”

“This was my first ASE conference and I loved every minute of it.”



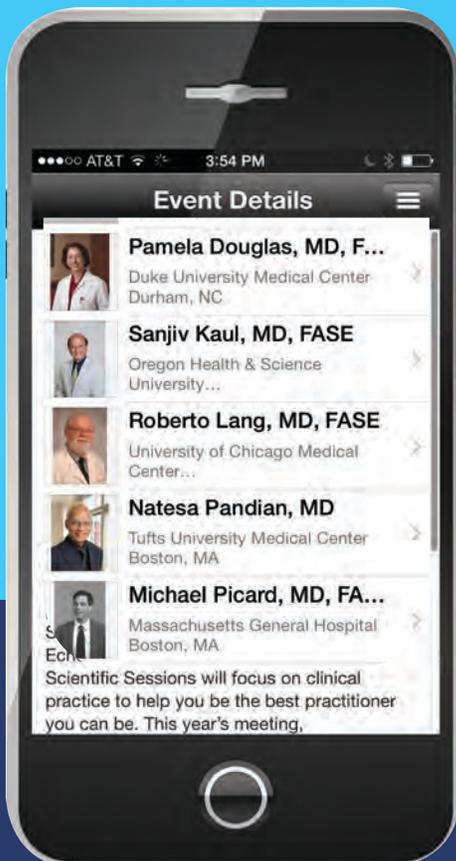
ASE Meetings App

Stay up-to-date on all of ASE's live educational courses by downloading the free ASE Meetings app. Find detailed information on each of ASE's events including faculty, agendas, exhibitors, networking events and more! Use the app to create or sync your event schedule and receive notifications of special activities and sessions while on site.

The app is available for download on both Apple and Android devices. Simply search for "ASE Live Educational Courses" in the Google Play or Apple iTunes stores. Learn more about other ASE apps at www.asecho.org/apps.

Included in the app are the following courses:

- Echo Hawaii
- State-of-the-Art Echocardiography
- ASCeXAM/ReASCE Review Course
- Annual Scientific Sessions
- Echo Florida
- Echo ASE ASEAN



ASEUniversity

ASEUniversity is a medical education website featuring online, self-study learning opportunities for physicians and sonographers. 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 4 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 all cardiovascular physicians and cardiac 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 cardiac ultrasound will find these activities beneficial.

ASEUniversity Online Library

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.

Pricing varies by product. Individual sessions are available for purchase.

ASEUniversity Live Webinars

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.

ASE Member: FREE

Nonmember: \$25

www.ASEUniversity.org

Clinical Cases in Echocardiography: Focus on Congenital Heart Disease

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, including, but not limited to: valve defects, atrial and ventricular septal defects, patent foramen ovale, patent ductus arteriosus, coarctation of the aorta, ebstein's anomaly, pulmonary artery stenosis, tetralogy of Fallot, transposition of the great arteries, etc. Cases will include symptomatic and asymptomatic diagnosis and treatment, as well as adult patients with repaired or palliated CHD.

The American Society of Echocardiography designates this enduring material for a maximum of **5 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Accepted by the ABIM for 11 MOC points towards the medical knowledge self-assessment requirements.

Accepted by the ABP as credit towards the lifelong learning self-assessment component of MOC.

1 User License	5 User License	10 User License
ASE Member: \$175	ASE member: \$375	ASE member: \$600
Nonmember: \$250	Nonmember: \$475	Nonmember: \$700

www.ASEUniversity.org or www.ASEMarketPlace.com

Case-Based Learning: Focus on Patient Safety

Focus on Patient Safety is an entirely online, case-based program covering both clinical and safety issues on a variety of topics, including TEE, contrast, stress echocardiography, bioeffects of ultrasound, antibiotic prophylaxis, TAVR and more.

This product has been approved for *AMA PRA Category 1 Credits™*. MOC Credits Pending.

1 User License	5 User License	10 User License
ASE Member: \$175	ASE member: \$375	ASE member: \$600
Nonmember: \$250	Nonmember: \$475	Nonmember: \$700

www.ASEUniversity.org or www.ASEMarketPlace.com

ASEUniversity III: Case-Based Learning

ASE's new ASEUniversity III: Case-Based Learning includes two volumes which are entirely case-based, online cardiovascular ultrasound learning activities. Each volume is designated for **5 AMA PRA Category 1 Credits™** and has been accepted by the ABIM for 10 points towards medical knowledge self-assessment requirements.

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:

1 User License

ASE Member: \$175

Nonmember: \$250

10 User License

ASE member: \$600

Nonmember: \$700

5 User License

ASE member: \$375

Nonmember: \$475

Volume 1 Expiration

Date: November 1, 2016

Volume 2 Expiration

Date: December 15, 2016

www.ASEUniversity.org or www.ASEMarketPlace.com

Cardiovascular Sonographer Registry Review Online Library

ASE Member: \$150

Nonmember: \$250

ASE has specifically designed the Sonographer Registry Online Library as a study guide for both the ARDMS and CCI registry examinations. This product comes with a 500-page downloadable workbook. Lectures cover the following topics:

1. Intro to Echo
2. Physics
3. The Left Side
4. Cardiomyopathies and Pericardial Disease
5. Mitral Valve Disease
6. Prosthetic Valve Disease
7. Aortic Valve Disease
8. Aortic Disease
9. Right Side
10. Congenital Heart Disease
11. Cardiac Tumors

www.ASEUniversity.org

ASCeXAM/ReASCE Review Course Online Library

ASE Member: \$375

Nonmember: \$525

The lectures included were presented at the ASCeXAM 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 20-hour, online course set will help you prepare for the NBE exams. CME credits are not available for this product. Some of the original material contained copyrighted material which could not be reproduced in these presentations. The presentations are PowerPoint slides synched with video, therefore, you will not be able to see the pointer.

www.ASEUniversity.org

ASCeXAM/ReASCE Online Practice Exam Simulation

ASE Member: \$199

Nonmember: \$250

Designed to prepare physicians for the National Board of Echocardiography (NBE)'s ASCeXAM or ReASCE certification examinations, this test bank consists of 300 multiple-choice questions containing over four hundred 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 and the latest applications in echocardiography. M-mode, 2-Dimensional and Doppler echocardiography are also covered.

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.

Visit www.ASEUniversity.org for more details.

ASE Annual Scientific Sessions Online Library

ASE Member and Nonmember: \$299

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 2014. Purchase a single or multi-year subscription. Full conference or single sessions are available at www.ASEUniversity.org.

Connect@ASE

Participate in the global conversation on ASE's networking platform, Connect@ASE (<http://connect.asecho.org>). This members-only site is the new 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.

Connect.asecho.org

ASE Guideline Reference E-Book

ASE Member: \$75 annually

Nonmember: \$100 annually

The online ASE Guideline Reference E-Book offers a collection of charts and illustrations derived from ASE's guidelines for cardiovascular ultrasound. This online e-book comes in a convenient format for quick reference and is designed to immediately accommodate new inserts as they are published. As one of our members recently let us know, "This ASE Reference Book is simply a cornerstone for echocardiography interpretation." The e-book contains the following guidelines:

Multimodality Cardiovascular Imaging of Patients with Hypertrophic Cardiomyopathy

Guidelines for Appropriate Use Criteria for Echocardiography

Guidelines for the Evaluation of Valvular Regurgitation

Guidelines for Stress Echocardiography

Recommendations for Image Acquisition and Display Using Three-Dimensional Echocardiography

Echocardiographic Assessment of Valve Stenosis

Echocardiographic Evaluation of LV Diastolic Function

Performing Multiplane Transesophageal Echocardiography

Evaluation of Prosthetic Valves with Echocardiography and Doppler Ultrasound

Recommendations for Quantification Methods During the Performance of Pediatric Echo

Guidelines for Performing a Comprehensive Transesophageal Echocardiographic Exam

Recommendations for Multimodality Cardiovascular Imaging of Patients with Pericardial Disease

Recommendations for Chamber Quantification of the Left Heart

Recommendations for Chamber Quantification of the Right Heart

www.ASEUniversity.org

Essentials for Proficiency in Basic Cardiovascular Ultrasound Online Library

ASE Member: \$150

Nonmember: \$250

ASE has specifically designed the Basic Cardiovascular Ultrasound Online Library as a teaching tool for those interested in the use of cardiovascular ultrasound in clinical practice. This product comes with 15 lectures and a downloadable workbook. Lectures cover the following topics:

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

www.ASEUniversity.org

Transesophageal Echocardiography in Perioperative Care

1 User License

ASE Member: \$175
Nonmember: \$250

5 User License

ASE Member: \$375
Nonmember: \$475

10 User License

ASE Member: \$600
Nonmember: \$700

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

This product has been approved for *AMA Category 1 Credits™*.

Proper Echocardiographic Measurements: How and Why

1 User License

ASE Member: \$175
Nonmember: \$250.

5 User License

ASE Member: \$375
Nonmember: \$475

10 User License

ASE Member: \$600
Nonmember: \$700

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:

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

This product has been approved for *AMA Category 1 Credits™*.

POCKET GUIDELINES

Individual ASE Pocket Guidelines

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.

ASE Member: \$10 Nonmember: \$15 Bulk Rate:
\$8 for 100 or more

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 Pocket Guideline Bundle

ASE Member: \$50 Nonmember: \$75 Bulk Rate:
\$42 for 100 or more

This bundle includes the six ASE Pocket Guidelines listed above.

Echo AUC App

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

ASE Member & Nonmember: FREE
(through Apple's iTunes store and Google Play store)

iASE App

iASE 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.

54 guidelines from 1999-2015 totalling over 1000 pages that you can review, download, and print are included in the Library for rapid access.

Included 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 DVIRV)
- 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
- Prosthetic Mitral Valves
- Evaluation of Elevated Peak Prosthetic Aortic Jet Velocity >3 m/s
- Estimation of Filling Pressures
- Grading of Diastolic Dysfunction

Included guideline summaries are:

- Chamber Quantification (2015)
- Valvular Regurgitation (2003)
- Valvular Stenosis (2009)
- Left Ventricular Diastolic Function (2009)
- Prosthetic Valves (2009)

ASE Member & Nonmember: \$4.99 (through Apple's iTunes store and Google Play store)

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. The poster series includes:

Individual Posters

- Multimodality Cardiovascular Imaging of Patients with Hypertrophic Cardiomyopathy (JASE, May 2011)
 - Recommendations for Quantification Methods During the Performance of a Pediatric Echocardiogram (JASE, May 2010)
 - Recommendations for Evaluation of Prosthetic Valve with Echocardiography and Doppler Ultrasound (JASE, September 2009)
 - Recommendations for the Evaluation of Left Ventricular Diastolic Function by Echocardiography (JASE, February 2009)
 - Echocardiographic Assessment of Valve Stenosis: EAE/ASE Recommendations for Clinical Practice (JASE, January 2009)
 - Consensus Statement on the Clinical Applications of Ultrasonic Contrast Agents in Echocardiography (JASE, November 2008)
 - Guidelines for Performance, Interpretation, and Application of Stress Echocardiography (JASE, September 2007)
 - Guidelines and Standards for Performance of a Pediatric Echocardiogram (JASE, December 2006)
 - Guidelines for Noninvasive Vascular Laboratory Testing (JASE, August 2006)
 - Guidelines for the Evaluation of Valvular Regurgitation (JASE, July 2003)
 - Guidelines for Performing Multiplane Transesophageal Echocardiography (JASE, October 1999)
 - Recommendations for Image Acquisition and Display Using Three-Dimensional Echocardiography (JASE, January 2012)
 - Guidelines for Performing a Comprehensive Transesophageal Echocardiographic Exam (JASE, September 2013)
 - Recommendations for Multimodality Cardiovascular Imaging of Patients with Pericardial Disease (JASE, September 2013)
 - Guidelines for Chamber Quantification of the Right Heart (JASE, January 2015);
 - Guidelines for Chamber Quantification of the Left Heart (JASE, January 2015);
 - Recommendations for Multimodality Cardiovascular Imaging of Patients with Pericardial Disease (JASE, September 2013)
- ASE Member: \$20 Nonmember: \$30

Guideline Poster Set

This set consists of the following posters:

Multimodality Cardiovascular Imaging of Patients with Hypertrophic Cardiomyopathy, Clinical Applications of Ultrasonic Contrast Agents in Echocardiography, Echocardiographic Assessment of Valve Stenosis: Recommendations for Clinical Practice, Guidelines for Non-Invasive Vascular Testing, Guidelines for Performing Multiplane Transesophageal Echocardiography, Recommendations for Evaluation of the Severity of Native Valvular Regurgitation, Recommendations for Performance, Interpretation, and Application of Stress Echocardiography, Recommendations for the Evaluation of Left Ventricular Diastolic Function by Echocardiography, Recommendations for Evaluation of Prosthetic Valve with Echocardiography, Recommendations for Quantification Methods During the Performance of Pediatric Echo, Guidelines and Standards for Performance of a Pediatric Echocardiogram, Recommendations for Image Acquisition and Display Using Three-Dimensional Echocardiography, Guidelines for Performing a Comprehensive Transesophageal Echocardiographic Exam, Guidelines for Chamber Quantification of the Right Heart, Chamber Quantification of the Left Heart, Recommendations for Multimodality Cardiovascular Imaging of Patients with Pericardial Disease.

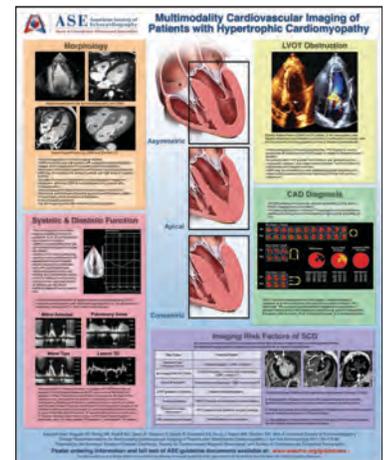
A great addition to your lab, these 24" x 30" posters will serve as a valuable resource for both physicians and technicians.

ASE Member: \$200 Nonmember: \$300

Guideline Poster Flip Chart

Tabletop flip chart consisting of 16 ASE Guidelines Posters reduced to 11" x 14-3/4", laminated and presented in a vinyl heat sealed binder.

ASE Member: \$185 Nonmember: \$250



EDUCATIONAL PUBLICATIONS

ASE Guideline Reference Book

The ASE Guideline Reference Book offers a collection of charts and illustrations derived from ASE's guidelines for cardiovascular ultrasound. Books come in a convenient format for quick reference. Each title can be included in the entire book or purchased as an individual inserts. The three-ring binder is designed to accommodate new inserts as they are published. Perfect for use in the reading room: this book is a best-seller! The binder consists of the following graphic illustrations:

Multimodality Cardiovascular Imaging of Patients with Hypertrophic Cardiomyopathy (JASE, May 2011)

Guidelines for Appropriate Use Criteria for Echocardiography (JASE, March 2011)

Guidelines for the Evaluation of Valvular Regurgitation (JASE, July 2003)

Guidelines for Stress Echocardiography (JASE, September 2007)

Recommendations for Image Acquisition and Display Using Three-Dimensional Echocardiography (JASE, January 2012)

Echocardiographic Assessment of Valve Stenosis (JASE, January 2009)

Echocardiographic Evaluation of LV Diastolic Function (JASE, February 2009)

Performing Multiplane Transesophageal Echocardiography (JASE, 1999)

Evaluation of Prosthetic Valves with Echocardiography and Doppler

Ultrasound (JASE, September 2009)

Recommendations for Quantification Methods During the Performance of Pediatric Echocardiography (JASE, May 2010)

Guidelines for Performing a Comprehensive Transesophageal Echocardiographic Exam (JASE, September 2013)

Guidelines for Chamber Quantification of the Right Heart (JASE, January 2015)

Guidelines for Chamber Quantification of the Left Heart (JASE, January 2015)

Recommendations for Multimodality Cardiovascular Imaging of Patients with Pericardial Disease (JASE, September 2013)

Entire Book: ASE Member: \$199

Nonmember: \$299

Individual Inserts: ASE Member: \$40

Nonmember: \$75

Journal of the American Society of Echocardiography (JASE)



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 3.987. Your subscription includes online access to JASE.

www.onlinejase.com

ASE Member: FREE

Nonmember: \$332 per year (U.S.)/\$455 per year (international)

Guideline Lab Bundle

With ASE's new 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

ASE's Comprehensive Echocardiography

Written by world experts from the American Society of Echocardiography (ASE), 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 Member: \$199

Nonmember: \$229

EDUCATIONAL DVDS

Best of ASE Series



Enhance your understanding of echocardiography with this compilation of lectures from ASE courses. Broken down into eight volumes, this series includes: diastology, strain imaging, 3D echocardiography, physics and artifacts, contrast echocardiography, native and prosthetic valves, TEE, and stress echocardiography.

ASE Member: \$75 (per volume)
Nonmember: \$95 (per volume)

Bundle Pricing (includes eight DVDs):
Member: \$450
Nonmember: \$550

Focused Cardiac Ultrasound: Fundamental Principles of Acquisition & Interpretation

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.

ASE Member: \$150 Nonmember: \$250

Topics covered 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

Self-Study Program III

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.

The American Society of Echocardiography (ASE) is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. ASE designates this enduring material for a maximum of **15.5 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity. ARDMS, CCI, and Sonography Canada recognize ASE's certificates and have agreed to honor the credit hours toward their registry requirements for sonographers. All or a portion of this educational activity may meet the CME requirement for IAC Echocardiography accreditation.

1 User License

ASE Member: \$175
Nonmember: \$250

5 User License

ASE Member: \$375
Nonmember: \$475

10 User License

ASE Member: \$600
Nonmember: \$700

Expiration for CME credit: February 1, 2018

Topics covered 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

Essentials for Proficiency in Basic Cardiovascular Ultrasound

ASE Member: \$150 Nonmember: \$250

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-world examples. A workbook correlates with the lectures to provide a printable 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: SRegurgitation, 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

Transesophageal Echocardiography in Perioperative Care

1 User License

ASE Member: \$175

Nonmember: \$250

5 User License

ASE Member: \$375

Nonmember: \$475

10 User License

ASE Member: \$600

Nonmember: \$700

This educational DVD provides a case-based learning 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

This product has been approved for *AMA Category 1 Credits™*.

Proper Echocardiographic Measurements: How and Why

1 User License

ASE Member: \$175

Nonmember: \$250

5 User License

ASE Member: \$375

Nonmember: \$475

10 User License

ASE Member: \$600

Nonmember: \$700

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 is comprised of 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:

2-D vs. M-mode

LV Linear Measurements: 2-D and M-mode

Basal Cardiac Measurements (Aortic annulus and root and LA diameter)

LV Volume

LA Volume

IVC Diameter

Right Heart Measurements

Velocity Measurements: Using Spectral Doppler Ultrasound Correctly

Diastology: E, A, DT

Diastology: Annular Velocities

Diastology: Pulmonary Vein Velocities

Mitral valve: Stenosis and Regurgitation

Tricuspid Valve: Normal, Stenosis, Regurgitation

Aortic Valve: Normal, Stenosis, Regurgitation

LVOT/Aortic Velocities: HOCM

Pulmonic Valve: Normal, Stenosis, Regurgitation

This product has been approved for *AMA Category 1 Credits™*.

How to Perform a Transthoracic Echocardiographic Study

Volume 1: Transducer Position and Anatomy

ASE Member: \$150

(\$100 for ten or more)

Nonmember: \$225

(\$200 for ten or more)

“How to Perform a Transthoracic Echocardiographic Study Volume 1: Transducer Position and Anatomy” is an instructional video, offered by ASE, and 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 DVD's content consists of two sections as follows:

Section 1: Heart Anatomy

- 1.1 Heart and Ribs
- 1.2 Axis of the Heart
- 1.3 Planes of the Heart
- 1.4 Chambers
- 1.5 Valves and Annuli
- 1.6 Blood Flow

Section 2: Basic Transthoracic Echocardiography

- 2.1 Left Parasternal Long (PLAX)
- 2.2 Left Parasternal Short (PSAX)
- 2.3 Apical
- 2.4 Subcostal
- 2.5 Suprasternal

Cardiovascular Sonographer Registry Review Guide

ASE Member: \$150

Nonmember: \$250

ASE has specifically designed the Sonographer Registry Review Guide as a study guide for both the ARDMS and CCI registry examinations. A DVD 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 printed book of the presentations and other helpful material accompanies the DVD. This product comes with a 500-page workbook. Lectures cover the following topics:

- | | | | |
|------------------|---|-----------------------------|------------------------------|
| 1. Intro to Echo | 4. Cardiomyopathies and Pericardial Disease | 6. Prosthetic Valve Disease | 9. Right Side |
| 2. Physics | 5. Mitral Valve Disease | 7. Aortic Valve Disease | 10. Congenital Heart Disease |
| 3. The Left Side | | 8. Aortic Disease | 11. Cardiac Tumors |

CEU PROGRAMS

Hospital CEU Program

For labs up to 10 people: \$250

For labs with 25 – 50 people: \$400

For labs with 10 – 25 people: \$300

For labs with over 50 people: \$500

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.

www.asecho.org/ceuprograms

Local Society CEU Program

Application Fee: \$300

ASE partners with local echocardiography societies to provide CEU to cardiovascular sonographers attending their meeting(s). 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.

www.asecho.org/ceuprograms

ASE EDUCATIONAL PROGRAM SPONSORSHIP

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.

Co-Sponsorship (Without CME)

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 available, each with great marketing benefits to help drive course attendance. ASE accepts applications for course sponsorship based upon topic, time frame, and target audience. Visit asecho.org/ase-sponsorship-opportunity for full details, pricing, and to download a copy of the application.

Product Price Guide

Product	Member Price	Nonmember Price	Page
ASE Guidelines Reference Book	\$199	\$299	13
<i>Journal of the American Society of Echocardiography</i> (JASE)	FREE	Nonmember: \$332 per year (U.S.)/\$455 per year (international)	13
Guideline Lab Bundle	\$700	\$1,000	13
ASE Guidelines Reference Book Individual Inserts	\$40	\$75	13
Guideline Posters	\$20	\$30	12
Guideline Poster Set	\$200	\$300	12
Guideline Poster Flip Chart	\$185	\$250	12
Pocket Guidelines (Individual)	\$10	\$15	11
Pocket Guidelines Bundle	\$40	\$60	11
iASE App (via Apple's iTunes Store and the Android Market)	\$4.99	\$4.99	11
Best of ASE (Individual)	\$75	\$95	14
Best of ASE (bundle)	\$450	\$550	14
Focused Cardiac Ultrasound: Fundamentals of Acquisition and Interpretation	\$150	\$250	14
Self-Study Program III	\$175	\$250	15
ASEUniversity III: Volumes 1 and 2	\$175 (per volume)	\$250 (per volume)	7
How to Perform a Transthoracic Echocardiographic Study	\$150	\$225	17
Essentials for Proficiency in Basic Cardiovascular Ultrasound	\$150	\$250	16
Clinical Cases in Echocardiography	\$175	\$250	7
Cardiovascular Sonographer Registry Review Guide	\$150	\$250	18
Case-Based Learning: Focus on Patient Safety	\$175	\$250	7
Transesophageal Echocardiography in Perioperative Care	\$175	\$250	10
Proper Echocardiographic Measurements: How and Why	\$175	\$250	10
ASE's Comprehensive Echocardiography	\$199	\$229	13

Which Courses Should I Attend?

Course	Physician	Sonographer/ Allied Health	Fellow in Training	Sonography Student	Basic	Advanced	Page
ASCeXAM/ReASCE Review Course	x		x		x		3
ASE Annual Scientific Sessions	x	x	x	x	x	x	5
Echo Hawaii	x	x	x		x		2
State-of-the-Art Echocardiography	x	x	x		x	x	3
Echo Florida	x	x			x	x	4
Echo ASE ASEAN	x	x	x		x		5

ABOUT ASE

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 16,500 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.

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.

Membership In ASE

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



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 www.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.

Physician/Scientist	\$275
Allied Health/Sonographer	\$130
Retired	\$60

Early Career Memberships (Completed training within last four years)

Early Career Physician/Scientist	\$150
Early Career Allied Health/Sonographer	\$90
Fellow in Training	\$60

Student Memberships

Medical Student, Cardiovascular Sonographer Student	\$60 (online only)
---	--------------------

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.

Physician/Scientist	\$190 (online only); \$280 (mailed journal)
Allied Health/Sonographer	\$100 (online only); \$190 (mailed journal)
Retired	\$60 (online only); \$150 (mailed journal)

Early Career Memberships (Completed training within last four years)

Early Career Physician/Early Career Scientist	\$120 (online only); \$210 (mailed journal)
Early Career Allied Health/Sonographer	\$75 (online only); \$165 (mailed journal)
Fellows in Training	\$60 (online only); \$150 (mailed journal)

Student Memberships

Medical Student, Cardiovascular Sonographer Student	\$60
---	------



ASE

American Society of
Echocardiography

2100 Gateway Centre Blvd. Suite 310
Morrisville, NC 27560

Phone: 919.861.5574 Fax: 919.882.9900

www.asecho.org
www.seemyheart.org

Stay up-to-date
with ASE



Connect@ASE: connect.asecho.org



Facebook: www.facebook.com/asecho



Twitter: ASE360



LinkedIn: American Society
of Echocardiography