10TH ANNUAL HOUSTON ECHO REVIEW: BOOT CAMP FOR 2019 ECHO BOARD

Presented in coordination with The Greater Houston Society of Echo-Vascular and offered in cooperation with the American Society of Echocardiography
THURSDAY, APRIL 4TH

SESSION I – IAC Workshop

10:00AM  Registration
11:00  Welcome Raymond Stainback, MD
11:10  IAC Workshop Pam Burgess, ACS, BS, RDGS, RDMS, RVT, FASE; Beverly Gorman, RDGS; Triston Thompson, RDGS
1:30PM  Lunch

SESSION II - Echo Intro & Cases
Read with the Experts:
New Directions & Techniques – Case Studies

2:00 - 4:00  Adult Echocardiography
- Advanced Heart Failure / Mechanical Circulatory Support
- Cardiac Unknowns / Complex Valve
- Structural Heart Disease
- Cardiac Oncology
Panel: Basant Arya, MD; *Raymond Stainback, MD, FASE; Enrique Garcia-Sayan, MD, FACC, FASE; Purnima Hirudayaraj, MD, MRCP; Jose Banchs, MD; Shamin Badruddin-Mawji, MD, FACC; Lily Zhang, MD; Juan Carlos Plana, MD, FASE

4:00 - 6:00  Adult Congenital Echocardiography
Panel: Wilson Lam, MD; Peter Ermis, MD; Dhaval Parekh, MD

6:00PM  Evening Concludes

FRIDAY, APRIL 5TH

7:00AM  Registration & Breakfast
8:00  Introductions Raymond Stainback, MD, FASE
8:10  Initial “Quiz” Ihab Hamzeh, MD (Moderator)
8:30  Chamber Quantification Miguel Quinones, MD, FASE
9:00  LV Diastolic Function Miguel Quinones, MD, FASE
9:30  Aortic Stenosis & Mitral Stenosis Raymond Stainback, MD, FASE
10:10 Stress Echo for Valvular Heart Disease Susan Wilansky, MD
10:40 BREAK & VISIT EXHIBITS
10:55 Endocarditis & Cardiac Source of Embolus (LA appendage) Sheila Heinle, MD, FASE
11:35 Contrast Agents: Background & Implementation Pam Burgess, BS, RDGS, RDGS, RVT
12:00PM  Lunch with “Quiz” Ihab Hamzeh, MD (Moderator)
1:00  Right Ventricular Function & Pulmonary Hypertension Lily Zhang, MD
1:25 Cardiomyopathies Stephanie Coulter, MD, FACC
1:55 Pericardial Disease Ajith Nair, MD
2:25 Stress Echocardiography for Coronary Artery Disease Arumina Misra, MD
2:55 Case Presentation: Diastology & Valves Susan Wilansky, MD
3:20  Mitral Regurgitation Enrique Garcia-Sayan, MD, FACC, FASE
3:40  Aortic Regurgitation William Zoghbi, MD, MACC, FASE
4:05  Prosthetic Valve Assessment William Zoghbi, MD, MACC, FASE
4:25  Cardiac Masses Including Primary and Secondary Tumors of the Heart Kara Thompson, MD, FACC
5:15  Unknown Cases #1 Shamin Badruddin-Mawji, MD, FACC & Raymond Stainback, MD, FASE
5:50  Reception
6:30  Evening Concludes

SATURDAY, APRIL 6TH

7:00AM  Registration & Breakfast
8:00  Introductions Raymond Stainback, MD, FASE
8:10  “Simple” Congenital Heart Disease: ASD, VSD, Ebstein’s Anomaly, PDA Peter Ermis, MD
8:30  “Complex” Congenital Heart Disease Dhaval Parekh, MD
9:00  Mechanical Circulatory Support (LVADs) Raymond Stainback, MD, FASE
9:30  Unknown Cases #2 Raymond Stainback, MD, FASE
10:00 BREAK & VISIT EXHIBITS
10:20 Strain Assessment: Cardio-Oncology and Other Ready for Prime Time Uses Juan Carlos Plana, MD, FASE
10:50 Tricuspid & Pulmonary Valve Disease Dhaval Parekh, MD
11:20 Point of Care Cardiovascular Ultrasound: How, What, When & Where? Basant Arya, MD
11:50 Coronary Artery Disease: Complications of Myocardial Infarction Joseph Navarjo, MD
12:20PM  Lunch with “Quiz” Ihab Hamzeh, MD (Moderator)
1:20 TEE for Percutaneous Intracardiac Interventions Srikant Konuru, MD, FRACP, FACC
1:50 Diseases of the Aorta Allison Pritchett, MD
2:20 M-mode Echocardiography Mirza Umair Khalid, MD
2:50 BREAK & VISIT EXHIBITS
3:20 Board Questions & Cases #1 Lily Zhang, MD
3:40 Board Questions & Cases #2 Ihab Hamzeh, MD
4:00 Board Questions & Cases #3 Purnima Hirudayaraj, MD, MRCP
4:20 Question and Answer Session
4:35pm Adjourn
Practicing cardiologists with significant echocardiography experience frequently request clinical echo updates or fast paced review sessions from the Texas Medical Center “experts." Additionally, adult and pediatric cardiology and cardiovascular anesthesiology fellows in training annually request local review sessions before the National Board of Echocardiography (NBE) examinations from area experts. In response to these needs, experts at Texas Heart Institute and the Greater Society of Echocardiography have organized a three-day intensive review course to fill this educational gap. The course will help to prepare attendees in a cost-effective manner to identify areas of weakness prior to self-study or a more intensive review course prior to the NBE examinations http://www.echoboards.org/. The course is also intended to serve as a clinically oriented update and review for practicing cardiologists.

The Houston Echo Review is a three-day course of lectures, interactive discussions, and case presentations designed to prepare cardiovascular specialists for the National Board of Echocardiography (NBE) examinations. The first day will cover Cases that focus on New Directions & Techniques of Echocardiography; topics cover, but are not limited to, adult congenital and structural heart disease, AHF, cardiac oncology, complex valve, mechanical circulatory support and adult congenital echocardiography. The course will be a fast-paced review of topics similar to those covered in the ASCexam scheduled for July 2019. The scope of the review is designed to be extensive enough for attendees to be able to identify their areas of strengths and potential weaknesses when designing their own subsequent self-study program in preparation for the NBE exam. Attendees may discover that they would additionally benefit from a more extensive multi day review course. For these reasons, the course is scheduled approximately 90 days prior to the NBE examination. The course will provide an overview of echo lab quality improvement (QI). Both the clinical content and QI material is beneficial for any practicing echocardiographer regardless of whether they plan to take the NBE exam. The participant will find this course useful for both the NBE initial and recertification examination preparation. Sonographers are encouraged to attend to improve their clinical knowledge base. However, this course should not be used as a “stand alone” review for sonographers preparing for their professional credentialing examinations.

The 10th Annual Houston Echo Review: Boot Camp for 2019 Echo Board is offered in cooperation with the American Society of Echocardiography (ASE).

ACCREDITATION AND CREDIT DESIGNATION:

This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of Texas Heart Institute and the Greater Houston Society of Echocardiography. Texas Heart Institute is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Texas Heart Institute designates this live activity for a maximum of 22.50 AMA PRA Category 1 Credit™

Physicians should claim only the credit commensurate with the extent of their participation in the activity. An evaluation form sent via email will provide each participant with the opportunity to review the speakers and their presentations, to identify educational needs, and to comment on any perceived commercial or promotional bias in the presentation.
OBJECTIVES:

At the conclusion of each lecture in the series, the participant should be able to:

- Recognize the morphological features of the disease process under discussion based on two-dimensional and M-mode echocardiography as well as the basic clinical applications of newer modalities including three-dimensional imaging and speckle tracking modalities.
- Cite the most important two-dimensional echo quantitative methods clinically applicable to the cardiovascular disease under discussion.
- Apply and/or be able to refer to the most appropriate methods for Doppler assessment and quantitative methods of the cardiovascular disease process under discussion.
- Improve the quality and efficiency of echocardiography laboratories, which will lead to improved patient care after review of recommended Quality Improvement metrics for laboratories.
- Recognize a spectrum of cardiovascular pathological conditions, including those mentioned above by being presented with up to 100 rapid-paced clinical recognition cases.
- Explain cardiac anatomy and pathology by both transesophageal and transthoracic echo imaging as these, along with stress echocardiography will be incorporated into the didactic and case-based learning components of the exam.
- Improve their ability to incorporate physics of ultrasound material into their clinical use of echocardiography.
- Identify areas of weakness that may be better addressed by targeted self-study including a slower-paced and more in-depth formal echocardiography review course.

LOCATION:

The symposium will be held at the Intercontinental Hotel - Medical Center located at 6750 Main Street, Houston, Texas 77030.

A block of guestrooms has been reserved with special course rates at the Intercontinental Hotel. To ensure accommodations at the discounted rate, please make your reservations by March 15, 2019. (A link for discounted reservations are also available online at www.cme.texasheart.org).

GROUND TRANSPORTATION AND PARKING:

Taxi service to the Texas Medical Center (TMC) hotels from Hobby Airport averages $35 one way. Taxi service from Bush Intercontinental Airport averages $50 one way; Uber $25 one way. The drive to the TMC is approximately 30 minutes from Hobby Airport and approximately 45 minutes from Bush Intercontinental Airport.

For participants driving to the Intercontinental Hotel, self-parking is $25 per day (no in/out privileges); valet parking is $35 per day.
**REGISTRATION**

Last Name, First Name

Title: ☐ MD  ☐ PhD  ☐ DO  ☐ Sonographer  ☐ Fellow/Resident  ☐ Other: ______________________

Specialty: ☐ Echocardiography  ☐ Cardiology  ☐ Other _____________________________________

Affiliation/Institution

City _____________________________________   State/Province ______________________________

Postal Code ______________________________   Country ____________________________________

Telephone:  ______________________________   Fax: _______________________________________

Email:  ☐ Subscribe me to CME-news newsletter (email address required)

---

**A. Registration for Main Session (April 4-6, 2019)**

*Registration fee includes all course materials, breakfasts, lunches, dinner and afternoon breaks*

- ☐ ASE Physician/Scientist Member: $500.00
- ☐ Non-Member Physician/Scientist: $630.00
- ☐ ASE Non-Physician Member (Cardiovascular Sonographer/Nurse/Student): $200.00
- ☐ Non-Member Non-Physician (Cardiovascular Sonographer/Nurse/Student): $250.00
- ☐ Fellows & Residents $350.00
- ☐ GHSE Members $250.00

☐ Please indicate if you need special assistance. You will be contacted by a staff member.

---

**B. Reception (Friday, April 5, 2019)**

*Reception is included in fees for Main Sessions*

- ☐ I WILL attend the Reception immediately following the symposium on Friday, April 5, 2019
- ☐ I WILL NOT attend the Reception immediately following the symposium on Friday, April 5, 2019

---

**C. Payment Options**

*All fees should be in U.S. dollars, drawn on a U.S. bank, and made payable to Texas Heart Institute.*

- ☐ Check enclosed for $ ________________
- ☐ VISA  ☐ MC  ☐ AmEx  ☐ Discover
  
   Account # ___________________________________________  Exp. date ____________________

   Signature _____________________________________________________________________________

Fax this registration form only if payment is being made by credit card.

Otherwise, mail the registration form and fee to:

Texas Heart Institute | Office of Continuing Medical Education, MC 3-276
P.O. Box 20345 | Houston, TX 77225-0345
Phone: (832) 355-9100 | Fax: (832) 355-9799 | E-mail: cme@texasheart.org

---

**Cancellation Policy**

All cancellations must be received by email or in writing by Friday, March 29, 2019 in order for a refund to be issued. A $75 processing fee will be assessed each cancellation. **Refunds cannot be made for those who register but do not attend the scheduled activities. Refunds will not be provided for cancellations made within 48 hours of the symposium.** Texas Heart Institute reserves the right to cancel this activity if registration is deemed insufficient.