**COURSE DESCRIPTION**

This program will provide a comprehensive review of state-of-the-art 2-D, Doppler and transesophageal echocardiography with a strong emphasis on newer and more rapidly changing areas. The topics to be covered include diastology, ischemic heart disease, valvular heart disease, application of TEE in clinical practice, and cardiomyopathy. The role of echo relative to the newer imaging modalities will be discussed. There are also afternoon workshops on heart failure, hemodynamics, congenital heart disease, and stress echo. The final workshop will include a series of clinical cases which will focus on integrating various imaging modalities to provide the highest quality of patient care. The course is designed for the clinician and sonographer who are actively involved in adult echocardiography and wish to gain additional practical experience in these specific areas. Daily reading sessions will provide the opportunity to interpret case studies and to compare and discuss diagnoses with the faculty. An integrated format combining theory and practice will be utilized. In the morning sessions, a traditional lecture series will present state-of-the-art information on selected topics. Application of the techniques to clinical practice will be emphasized.

In the afternoon, attendees will have the opportunity to apply the lecture material in a workshop environment. A large number of cases will be presented, analyzed and discussed. Each afternoon, attendees will be able to participate in reading sessions, covering a wide spectrum of diseases in clinical cardiology. There will be live case demonstrations on Monday and Tuesday afternoons with patients from the local area.

**COURSE LEARNING OBJECTIVES**

- Use echocardiographic and Doppler methods to assess hemodynamics and cardiac function
- Demonstrate the application of Doppler principles to assessing hemodynamics including valvular heart disease
- Apply stress testing combined with the use of cardiac ultrasound
- Utilize echocardiography to determine which patients should be referred for surgery versus medical therapy for the treatment of cardiovascular disease
- Identify the critical role that echo plays in structural heart disease and interventional procedures

**INTENDED AUDIENCE**

Clinical cardiologists and cardiac sonographers with interest in echocardiography, cardiology trainees, application specialists, surgeons, anesthesiologists, and physician echocardiographers.

**LODGING ACCOMMODATIONS**

Vail Marriott Mountain Resort & Spa
877-622-3140 or 970-476-4444


A limited number of guestrooms are available at the **Standard Room** rate of $330 single/double a night. Once that block is full, the rate will be **$399 in the Lodge** category until they are gone. When you make your reservation, please be sure to ask about any additional resort fees, early departure fees, or cancellation penalties. The resort room blocks are scheduled to be held until **Friday, February 1, 2019** but have been sold out before this date in the past.

**PROGRAM SCHEDULE**

(For a full program, visit: https://cveducation.mayo.edu)

- **SUNDAY, MARCH 3, 2019**
  - 5:00-6:00 p.m. | Back to the Basics of M-mode and Doppler

- **MONDAY, MARCH 4, 2019**
  - 7:30-9:30 a.m. | Valvular Heart Disease
  - 4:00-6:00 p.m. | Workshops
    - Echo Evaluation of Prosthetic Valves
    - The Problem of Mixed Valve Disease - Cases

- **TUESDAY, MARCH 5, 2019**
  - 7:30-9:30 a.m. | LV Function and Heart Failure
  - 4:00-6:00 p.m. | Workshops
    - Hemodynamics
    - Strain Imaging Live Scanning

- **WEDNESDAY, MARCH 6, 2019**
  - 7:30-9:30 a.m. | Echo Versatility in Usual an Unusual Situations
  - 4:00-6:00 p.m. | Workshops
    - Flying Things on Valves – Cases
    - 3-D Imaging Live Scanning

- **THURSDAY, MARCH 7, 2019**
  - 7:30-9:30 a.m. | CHD, HCM, The Pregnant Patient
  - 4:00-6:00 p.m. | Workshops
    - Interesting and Challenging Cases
  - 6:00 p.m. | Adjourn

**COURSE REGISTRATION**

(Registration online only: cveducation.mayo.edu)

Prior to Monday, February 5 | After Monday, February 5
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$780 | $880 MD, PhD, DO
$700 | $800 ASE Physician Member
$580 | $680 Fellows, Sonographers, RN
$525 | $625 ASE Sonographer Member

**ACCREDITATION STATEMENT**

In support of improving patient care, Mayo Clinic College of Medicine and Science is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC) to provide continuing education for the healthcare team.

Mayo Clinic College of Medicine and Science designates this live activity for a maximum of 16 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 16 Medical Knowledge MOC points in the American Board of Internal Medicine’s (ABIM) Maintenance of Certification (MOC) program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity. It is the CME activity provider’s responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit.

Participation information will be shared with ABIM through PARS.