BASIC TO ADVANCED ECHOCARDIOGRAPHY
From the Blue Ridge Mountains of Asheville

24.25 AMA PRA CATEGORY 1 CREDITS™
24.25 MEDICAL KNOWLEDGE ABIM MOC

ASHEVILLE, NORTH CAROLINA
THE OMNI GROVE PARK INN
MAY 15–18, 2019

In Collaboration With American Society of Echocardiography and WAKE FOREST Baptist Health – Heart & Vascular Center
**COURSE DESCRIPTION**

The course will begin with a discussion of echocardiographic assessment of left and right ventricular function, including presentations on diastolic function and strain imaging for assessing myocardial function. We will then discuss a broad range of disease states for which echocardiography is useful, including ischemic heart disease, valvular heart disease, pericardial disease, and cardiomyopathies. The presentations will include basic concepts as well as advanced techniques including 3-D imaging and strain imaging. Throughout the course many cases will be presented.

**COURSE LEARNING OBJECTIVES**

- Apply Doppler principles and hemodynamics to the assessment of valvular heart disease, including systematic assessment of prosthetic valves
- Use 2-D, Doppler and strain methods to assess myocardial function
- Illustrate the appropriate use of echo Doppler in myocardial and pericardial disease
- Describe the utility of echocardiography, including 3-D transesophageal echocardiography, for the interventional practice
- Integrate echocardiography into the diagnosis and management of heart failure
- Recognize clinical applications of stress echocardiography

**INTENDED AUDIENCE**

This course is intended for adult cardiologists, cardiac sonographers, cardiology fellows, surgeons, anesthesiologists, and those who have basic experience and knowledge of echocardiography. This course is designed to further advance their experience in clinical application of echocardiography.

**ACCREDITATION STATEMENT**

In support of improving patient care, Mayo Clinic School of Continuous Professional Development 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 24.25 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 24.25 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.
**PROGRAM SCHEDULE**  (For a full program, visit: [https://cveducation.mayo.edu](https://cveducation.mayo.edu))

**REGISTER ON-LINE: CVEDUCATION.MAYO.EDU**

| Tuesday, May 14, 2019 | 6:00-7:00 p.m. | Early Registration  
Grand Ballroom Foyer, Vanderbilt Wing, 8th Floor |
|----------------------|----------------|--------------------------------------------------|
| Wednesday, May 15, 2019 | 7:30 a.m.-12:30 p.m. | Fundamentals of Echo  
12:30-1:30 p.m. | IAC Workshop - Focus on QI: A Case-Based Approach  
1:30-3:15 p.m. | Echo for Myocardial and Pericardial Disease  
3:45-5:00 p.m. | Workshops  
• Live Scanning Including Strain Tips and Tricks  
• TEE Simulator |
| Thursday, May 16, 2019 | 7:30 a.m.-12:30 p.m. | Ischemic Heart Disease/Aortic Disease |
| Friday, May 17, 2019 | 7:30 a.m.-12:30 p.m. | Echo for Valve Disease  
1:30-3:30 p.m. | Workshops  
• Congenital Heart Disease  
• Hemodynamics With Live Scanning |
| Saturday, May 18, 2019 | 7:30 a.m.-12:15 p.m. | More Valvular & Special Topics to Include Cardiac Masses, New Ultrasound Technology, 3-D/TEE, Infective Endocarditis, & Echo for Transcatheter Mitral Procedures  
12:15 p.m. | Adjourn |

**REGISTRATION FEES**

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<tr>
<th></th>
<th>Before 4/17/19</th>
<th>After 4/17/19</th>
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<tbody>
<tr>
<td>MD, PhD, DO, PharmD</td>
<td>$760</td>
<td>$860</td>
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<tr>
<td>ASE Physician Membership</td>
<td>$685</td>
<td>$785</td>
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<tr>
<td>Fellows in Training, Sono, RN</td>
<td>$575</td>
<td>$785</td>
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<td>ASE Sonographer Membership</td>
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<td>$620</td>
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**LODGING ACCOMMODATIONS**

To secure your room at The Omni Grove Park Inn, please call 800-438-5800 or 828-252-2711 and state that you will be attending the ECHO program. The room block is scheduled to be held until **Monday, April 15, 2019** but may be sold out before this date.
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Unique Features:
- Faculty members are clinical sonographers and echocardiologists
- Easy access to faculty members during the entire conference
- Afternoon on pediatric/adult congenital echocardiography
- Lab accreditation (IAC Echocardiography)
- Presentations involving multimodality imaging

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