BASIC TO ADVANCED ECHOCARDIOGRAPHY
AT HILTON HEAD

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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.

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.

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
- Recognize 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