

Echo in Context

Background

Now in its 17th year, Echo in Context is the longest standing and most watched recurring telemedicine educational event in the world. The program is characterized by its ability to present comprehensive information in a concise and easy to understand format. The previous year's audience always decides the topic. "Heart Failure: Echo's Role in an Emerging Health Crisis" will air live to Europe, the Middle East, the Americas and Asia-Pacific. Broadcast time will be four and one-half hours. The audience is able to FAX or e-mail comments and questions directly to the live panel. The program always begins and ends precisely on time. The program occurs on World Echo Day, a day so named because the audience is so large and the reach so vast. Indeed, the program has become a focus to both celebrate and critically examine echocardiography in a global perspective. It is the most popular program in all the world of echocardiography. You may contact the program at any time by e-mail at: echo@mc.duke.edu

Past program excerpts (available in short and easy-to-access viewing segments) and educational materials are available at the program website: www.echoincontext.org

Why Attend?

Heart failure is a growing problem of great significance as world populations age and more and more patients develop ischemic heart disease. There are now nearly 500,000 new cases a year in the US alone, and it is predicted it will affect more than 5 percent of the world's population by 2010.

- What are the origins of heart failure?
- What are the methods of evaluation?
- What are the best diagnostic approaches?
- How are these methods evaluated and critically reviewed?
- What is the role of conventional 2D, stress and contrast echo in diagnosis and management?
- What are the newest treatments?

Background

- How can echo change your practice?
- How can echo influence outcome?

The newest and latest pragmatic information for practice of everyday echo and Doppler is *critically* reviewed using case-oriented approaches. There are plenty of clinical examples that make this educational program *the most popular of all world echo meetings*.

This program is most unique and uses concise lectures, case reviews, and faculty discussions to construct a didactic learning experience. There are many visual cues to help beginners or those with English as a second language.

Later in the year the program is available in videotape format for further review. In fact, every annual program for the decade is available on tape to enhance the learning experience.

- To develop an understanding of the origins of heart failure.
- To delineate the role of modern echo methods such as stress echo, Doppler myocardial imaging and contrast echo in evaluation of chest pain.
- To discuss the role of echo in changing outcome.
- To discuss and critically review the role of echo methods in diagnosis and treatment.

Who Should Watch?

Cardiologists, sonographers, cardiac surgeons, anesthesiologists, internists, general practitioners, emergency room physicians, nurses, and other health care professionals involved in the care of patients with heart disease should attend.

Viewing Sites

For a detailed listing of sites, please refer to: www.registramerica.net/duke2002 or call 850-784-6002, ext. 15. International sites should contact their local Philips representative.

Program Outline

HEART FAILURE: ECHO'S ROLE IN AN EMERGING HEALTH CRISIS Preliminary Program

TV SESSION I

Case: The typical patient with heart failure

Mini Panel: Heart failure as a health care crisis

Demonstration: The gross pathology of systolic failure

Lecture: Assessing systolic failure: Ejection fraction, strain and what's important

Demonstration: The gross pathology of diastolic failure

Lecture: Diastolic failure: Impairment of filling

Lecture: Conditions that masquerade as heart failure: Valvular disease, constriction, congenital heart disease and lung disease

Mini Panel: The clinical presentation of heart failure

Cases: Acute and chronic heart failure

Lecture: End stage failure: Mechanical assist and pre-transplant valve surgery, transplantation and replacement

TV SESSION II

Panel: The echo workup of failure: What is important and routine? What should be done and when?

4. ALTERING OUTCOME

Cases: Technical hints in patients who are older, more obese and those with lung disease

Report: The importance of comparing to the old echo

Lecture: The use of handheld devices

Report: The importance of comparing to the old echo

Lecture: The role for contrast perfusion

Lecture: Conditions that masquerade as heart failure: Valvular disease, constriction, congenital heart disease and lung disease

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