



IMAGING SCIENCE EDUCATION PROGRAMS
Echocardiography

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Mission Statement

The Echocardiography program at West Virginia University Hospitals serves to facilitate the growth and development of the student in cardiac sonographic imaging. Through continued technological advancement and a strong commitment to education, West Virginia University Hospitals serves as the foundation on which students can cultivate and expand their knowledge of the technical, professional, and philosophical aspects of medical imaging and the healthcare environment. The program strives to provide our students with an educational environment that fosters positive learning outcomes and offers comprehensive clinical experience and patient care opportunities.

Goals & SLO

1. To prepare competent entry-level Echocardiographers in the cognitive(knowledge), psychomotor (skills), and affective (behavior) learning domains for the Adult Cardiac Sonography concentration.
 - 1.1 Students will demonstrate appropriate patient positions for acoustic windows
 - 1.2 Students will select and manipulate appropriate machine settings
 - 1.3 Students will utilize pulse wave, continuous wave, and color Doppler to interrogate pathologies appropriately
2. To develop students with effective communication skills.
 - 2.1 Students will demonstrate effective verbal communication skills
 - 2.2 Students will demonstrate appropriate written communication skills
3. To instruct students on critical thinking and problem-solving skills.
 - 3.1 Students will assess patient needs and adapt clinical exams as required
 - 3.2 Students will describe modifications employed in compensating for exam variables
4. To encourage students to demonstrate professionalism.
 - 4.1 Students will demonstrate work ethics and responsibility to the imaging profession
 - 4.2 Students will summarize and reflect on the value of life-long learning