

# **Diagnostic Medical Sonography Program**

## **Goals, Objectives and Outcomes**

### **Diagnostic Medical Sonography Program Goals**

The Diagnostic Medical Sonography Program's goals are to:

- Prepare competent entry-level sonographers in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains for the following concentrations:
  - Abdominal-Extended Sonography
  - Obstetrics and Gynecology Sonography
- Prepare competent entry-level sonographers in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains in the following concentration:
  - Adult Cardiac Sonography

### **Diagnostic Medical Sonography Program Objectives and Outcomes**

Upon completion of the Diagnostic Medical Sonography Program, the candidate will be expected to:

- Demonstrate a working knowledge of hospital functions in general, and the ultrasound department in particular, to include: basic skills, emergency care, patient-technologist relationships, and professionalism.
- Describe and utilize routine procedures performed in Diagnostic Medical Sonography.
- Demonstrate proficiency and fluency in the use of medical terminology, especially those pertaining to ultrasound.
- Be skilled in the operation of ultrasound instrumentation and laboratory equipment under guidance from professional staff.
- Be capable of scheduling and performing the daily workload of OB/GYN, abdominal, small parts or cardiac, to include Doppler procedures/examinations.
- Evaluate new procedures where necessary.
- Distinguish between normal and abnormal sonographic appearance of different anatomical structures.
- Create high quality diagnostic scans.
- Identify and understand important features of disease processes including: Pathophysiology, signs and symptoms, significant laboratory data, diagnostic techniques, prognosis, and treatment.
- Demonstrate an understanding of the humanistic and ethical considerations of medical care.

- Demonstrate the ability to maintain quality control of the ultrasound equipment.
- Be familiar with the biological effects of ultrasound and be aware of the acoustic output levels produced by the equipment they use.
- Demonstrate the ability to explain Doppler principles and techniques, especially those pertaining to peripheral arterial and venous systems or of the heart.
- Have the necessary knowledge and skills to achieve success on the American Registry of Diagnostic Medical Sonography examinations.
- Be successful in a career as a Registered Diagnostic Medical Sonographer or Registered Diagnostic Cardiac Sonographer.
- Demonstrate the ability to follow Occupational Safety and Health Administration (OSHA) standards in clinical practice.
- Maintain CPR certification during the clinical component of the student's education.
- Demonstrate professional integrity, honesty, dependability, respect for self and others, compassion, and an ability to protect patient confidentiality and trust at all times.
- Demonstrate commitment to the ideals of life-long learning, professional excellence, teamwork, and tolerance for diversity and community service.
- Recognize and comply with the accepted standards within the Health Insurance Portability and Accountability (HIPAA) Act.