****

**DIAGNOSTIC MEDICAL SONOGRAPHY**

**TECHNICAL STANDARDS**

Technical Standards are nonacademic criteria used for admission to and participation in a program or activity. Technical Standards are necessary abilities which allow persons to perform the job for which the program prepares them. Students must be able to meet the physical and technical requirements necessary for the course of study in Diagnostic Medical Sonography.

**The requirements are:**

1. **The Diagnostic Medical Sonographer must have sufficient strength,**

 **motor coordination and manual dexterity to:**

1. Transport, move, lift and transfer patients from a wheelchair or cart to an ultrasound table or to a patient’s bed.
2. Move, adjust and manipulate a variety of ultrasound equipment, including the physical transportation of mobile ultrasound machines, in order to arrange and align the equipment with respect to the patient according to established procedure standards of required images and accuracy.
3. Stand and/or walk 6-8 hours per day.
4. **The Diagnostic Medical Sonographer must be capable of:**
5. Handling stressful situations related to technical and procedural standards and

 patient care situations.

1. Providing physical and emotional support to the patient during the ultrasound

procedures, being able to respond to situations requiring first aid and providing emergency care to the patient in the absence of or until the physician arrives.

1. Communicating verbally in an effective manner in order to direct patients during

ultrasound examinations, to include hearing and oral communications with patients.

1. Reading and interpreting notes, records, textbooks, patient charts and requisitions

for ultrasound examinations.

1. Visual ability to differentiate the color spectrum for color ultrasound imaging and

color coding of patient files, the visual acuity to assess ultrasound images and adequate depth perception to safely align equipment with patient position.

1. **The Diagnostic Medical Sonographer must have the mental and intellectual capacity to:**

1. Calculate and select proper ultrasonic factors according to the individual

needs of the patient and the requirements of the procedure’s standards

of required images and accuracy.

1. Review and evaluate the recorded ultrasound images for the purpose of

identifying proper patient positioning, accurate procedural sequencing and

for appropriate and pertinent technical qualities.

1. Present and discuss the ultrasound images obtained, the history of the patient and any problems encountered with the interpreting physician.