

DIAGNOSTIC MEDICAL SONOGRAPHY TECHNICAL STANDARDS

Visit the following websites for more information:

<https://www.onetonline.org/link/summary/29-2032.00>

<https://www.sdms.org/about/who-we-are/scope-of-practice>

Essential Functions	Technical Standard	Applications (not a comprehensive list)
Physical Requirements	Full use of arms and legs	Assisting patients on and off bed.
	Fine motor skills/ Dexterity	Manipulate the machine to create quality images. Maneuver the transducer across area of interest.
	Lift 50 lbs.	Maneuver equipment for portable exams.
	Hand-eye coordination	Manipulating transducer while watching the screen to capture diagnostic images for the physician.
	Gross body movements/control	Sit and/or stand for long periods of time performing various daily tasks.
Visual Acuity	Differentiate black, white, shades of gray and colors.	Appreciate the different echo patterns in an ultrasound image. Recognize various color patterns in Color Doppler imaging.
	Ability to see in dimly lit rooms.	Sonograms are performed in rooms with very little light.
Auditory Ability	Recognize audible Doppler signals.	Hear spectral Doppler signals in various exams assessing blood flow through vessels.
	Respond to patient and healthcare team needs.	Hear and comprehend cues from the patient and healthcare provider throughout exams.
Communication	Effective written and verbal communication skills	Communicate with patients and healthcare team. Comprehend dialogue shared amongst team, including instructional cues, alarms, various hospital codes.
	Clear verbalization	Speak so the patient understands instruction.
Critical Thinking	Ability to gather, classify and interpret data gathered from patients and physicians.	Understand information from patient history or previous exams.
	Carry out appropriate actions relative to current patient situation.	Respond to immediate patient needs.
	Obtain quality diagnostic images for physician interpretation.	Determining the best images to acquire so the physician can make a diagnosis.