

Hagerstown Community College
Magnetic Resonance Imaging Program SLOA Grid

Program Outcome	Course Outcome RAD 212 Cross-Sectional Anatomy	Course Outcome RAD 215 Pathology for Imaging Sciences	Course Outcome RAD 222 Principles of MR Imaging	Course Outcome RAD 224 MR Imaging Practicum I	Course Outcome RAD 224A MR Imaging Practicum II
1. Provide appropriate patient care in the course of MR procedures with respect for diverse cultures, values and beliefs.				Correctly prepares and conducts magnetic resonance imaging procedures in the clinical setting under the direct supervision of a certified technologist.	Correctly prepares and conducts magnetic resonance imaging procedures in the clinical setting under the direct supervision of a certified technologist.
2. Competently perform routine imaging procedures.			State the responsibility, role and goals of the magnetic resonance imaging technologist in the following aspects of magnetic resonance imaging: a. positioning of the patient for magnetic resonance imaging....	Correctly prepares and conducts magnetic resonance imaging procedures in the clinical setting under the direct supervision of a certified technologist. Demonstrates knowledge of magnetic resonance imaging anatomy, positions and procedures.	Correctly prepares and conducts magnetic resonance imaging procedures in the clinical setting under the direct supervision of a certified technologist. Demonstrates competency in the identification and performance of magnetic resonance imaging positions and procedures.
3. Utilize appropriate radiation protection and standard precautions.		b. producing the highest quality images consistently at the lowest possible dose.....	Correctly prepares and conducts magnetic resonance imaging procedures in the clinical setting under the direct supervision of a certified technologist.	Correctly prepares and conducts magnetic resonance imaging procedures in the clinical setting under the direct supervision of a certified technologist.
4. Critique images to assure highest quality.	Given a cross-sectional image, correctly identify anatomy demonstrated and the			Selects the appropriate image contrast and window levels needed to produce quality magnetic	Selects the appropriate image contrast and window levels needed to produce quality

	<p>image plane for the following anatomical sections:</p> <ul style="list-style-type: none"> a. head b. spine c. abdomen d. male pelvis e. female pelvis f. chest g. neck h. joints 			<p>resonance imaging images and demonstrate pathology under the direct supervision of a certified technologist.</p> <p>Correctly performs, evaluates and records all required quality control tests in magnetic resonance imaging.</p>	<p>magnetic resonance imaging images and demonstrate pathology under the indirect supervision of a certified technologist.</p> <p>Demonstrates competency in the performance, evaluation and recording of all required quality control tests in magnetic resonance imaging</p>
5. Communicate effectively with staff and patients.			<p>....c. using human principles of understanding communication and caring to make the magnetic resonance imaging procedure a positive experience.</p>	<p>Utilize the appropriate rules of conduct concerning communication and interpersonal relationships.</p>	<p>Utilize the appropriate rules of conduct concerning communication and interpersonal relationships.</p>
6. Be able to solve age-specific, disease-specific and non-routine imaging situations.	.	<p>Identify pathology from the musculoskeletal, neck/thorax and abdominopelvic body sections.</p>		<p>Selects the appropriate image contrast and window levels needed to produce quality magnetic resonance imaging images and demonstrate pathology under the indirect supervision of a certified technologist.</p>	<p>Selects the appropriate image contrast and window levels needed to produce quality magnetic resonance imaging images and demonstrate pathology under the indirect supervision of a certified technologist.</p>
7. Make critical decisions appropriate for the medical imager.			<p>Apply the correct adjustments for technical changes</p>	<p>Correctly prepares and conducts magnetic resonance imaging procedures in the clinical setting under the direct supervision of a certified technologist.</p>	<p>Correctly prepares and conducts magnetic resonance imaging procedures in the clinical setting under the direct supervision of a certified technologist.</p>
8. Perform as an effective team member.				<p>Utilize the appropriate rules of conduct concerning communication and interpersonal</p>	<p>Utilize the appropriate rules of conduct concerning communication and interpersonal</p>

				relationships.	relationships.
9. Practice within the ethical framework of the profession.				Document satisfactory performance on affective clinical assessments.	Document satisfactory performance on affective clinical assessments.
10. Meet the imaging needs of the community.					Satisfactorily meet all required program requirements in magnetic resonance imaging and sit for national certification in magnetic resonance imaging and seek employment as a magnetic resonance imaging technologist.