Hagerstown Community College Computed Tomography Program Assessment Plan

Program Outcome	Course Outcome	Course Outcome	Course Outcome	Course Outcome	Course Outcome
Upon completion of the certificate computed tomography program, the graduate will be able to:	RAD 212 Cross-Sectional Anatomy Upon completion of this course, the student will:	RAD 215 Pathology for Imaging Sciences Upon completion of this course, the student will:	RAD 218 Principles of CT Imaging Upon completion of this course, the student will:	RAD 220 CT Imaging Practicum I Upon completion of this course, the student will:	RAD 220A CT Imaging Practicum II Upon completion of this course, the student will:
1. Provide appropriate patient care in the course of CT procedures with respect for diverse cultures, values and beliefs.			State the responsibility, role and goals of the computed tomography technologist in the following aspects a. using human principles of understanding b. communication and caring to make the computed tomography procedure a positive experience	Correctly prepare and conduct computed tomography procedures in the clinical setting under the direct supervision of a certified technologist. Be able to satisfactorily complete a head, abdomen and pelvis procedure.	Correctly prepare and conduct computed tomography procedures in the clinical setting under the direct supervision of a certified technologist. Demonstrate increased development of computed tomography skills, including the successful completion of chest, extremity, and some contrast studies.
2. Competently perform routine imaging procedures.			State the responsibility, role and goals of the computed tomography technologist in the following aspects c. positioning of the patient for computed tomography	Correctly prepare and conduct computed tomography procedures in the clinical setting under the direct supervision of a certified technologist. Demonstrate	Correctly prepare and conduct computed tomography procedures in the clinical setting under the in direct supervision of a certified technologist. Demonstrate

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		d. describe the process	knowledge of computed	competency in the
		of computed	tomography anatomy,	identification and
		tomography image	positions and	performance of
		production	procedures.	computed
		e. describe the process	Demonstrate the	tomography positions and procedures,
		of the required		1
		computer capabilities	appropriate scanning	including the
		for image processing	sequences and contrast administration.	successful completion
		f. apply the basic concepts in	auministration.	of chest, extremity, and some contrast
		performing a	Be able to	studies.
		computed	satisfactorily complete	studies.
		tomography procedure	a head, abdomen and	
		tomography procedure	pelvis procedure.	
3. Utilize		State the	Correctly prepare and	Correctly prepare and
appropriate			conduct computed	conduct computed
radiation		responsibility, role	tomography procedures	tomography
protection, safety		and goals of the	in the clinical setting	procedures in the
practices, and		computed	under the direct	clinical setting under
standard		tomography	supervision of a	the direct supervision
precautions.		technologist in the	certified technologist.	of a certified
*		following aspects of	Ð	technologist.
		computed		C C
		tomography		
		g. produce the		
		highest quality		
		images consistently		
		at the lowest		
		possible dose		
		1		
		h. identify the non-		
		ionic and iodinated		
		contrast media,		
		their chemical and		
		physiological		
		properties, and		
		evaluate the risks.		
4. Critique images	Given a cross-	State the	Select the appropriate	Select the appropriate
to assure highest	sectional image,	responsibility, role	image contrast and	image contrast and
quality.	correctly identify	and goals of the	window levels needed	window levels needed
	anatomy	computed	to produce quality	to produce quality
	demonstrated and	tomography	computed tomography	computed
	the image plane	technologists in the	images and	tomography images
		teennorogiste in the	imageo una	tomogruphy mugoo

	anatomical		computed	under the direct	pathology under the
	sections.		tomography	supervision of a	indirect supervision of
			g. producing the	certified technologist.	a certified
			highest quality images		technologist.
			consistently at the	Correctly perform,	_
			lowest possible dose,	evaluates and records	Demonstrate
			utilizing appropriate	all required quality	competency in the
			quality	control tests in	performance,
			assurance/quality	computed tomography	evaluation and
			control in computed	1 017	recording of all
			tomography and	Identify basic	required quality
			identify imaging	anatomy, physiology	control tests in
			artifacts and	and pathology of the	computed
			determine the	body areas on CT	tomography
			technical adjustment	images.	gF,
			required for	iningeoi	
			correction.		
5. Communicate	1			Utilize the appropriate	Utilize the
effectively with				rules of conduct	appropriate rules of
staff and patients.				concerning	conduct concerning
stan and patients.				communication and	communication and
				interpersonal	interpersonal
				relationships	relationships
6. Be able to solve		Identify pathology		Select the appropriate	Select the appropriate
age-specific,		from the		image contrast and	image contrast and
disease-specific and		musculoskeletal.		window levels needed	window levels needed
non-routine		neck/thorax and		to produce quality	to produce quality
imaging situations.		abdominopelvic body		computed tomography	computed
imaging situations.		sections		images and	tomography images
		sections		demonstrate pathology	and demonstrate
				under the direct	pathology under the
				supervision of a	direct supervision of a
				certified technologist.	certified technologist.
7. Make critical	1		State the	Correctly prepare and	Correctly prepare and
decisions			responsibility, role	conduct computed	conduct computed
appropriate for the			and goals of the	tomography	tomography
medical imager.			computed	procedures in the	procedures in the
montar mager.			tomography	clinical setting under	clinical setting under
			technologist in the	the direct supervision	the direct supervision
			following aspects of	of a certified	of a certified
			computed	technologist.	technologist.
			· .	teennoiogist.	teennoiogist.
			tomography g. produce the highest		
			quality images		
	1	l	quanty mages	I	L

		consistently at the lowest possible dose h. identify the non- ionic and iodinated contrast media, their chemical and physiological properties, and evaluate the risks		
8. Perform as an effective team member.			Utilize the appropriate rules of conduct concerning communication and interpersonal relationships. Demonstrates expected teamwork practices	Utilize the appropriate rules of conduct concerning communication and interpersonal relationships. Demonstrates expected teamwork
9. Practice within the ethical framework of the profession.			Document satisfactory performance on affective clinical assessments	practices Document satisfactory performance on affective clinical assessments
10. Meet the imaging needs of the community.				Satisfactorily meet all required program requirements in computed tomography and successfully pass the national certification in computed tomography and seek employment as a computed tomography technologist