UW HEALTH JOB DESCRIPTION

Intern – Radiation Dosimetry								
Job Code: 500028		Non Exempt	Mgt. Approval:		Date: 7-17			
Department : Radiati	on Oncology		HR Approval:	CMW	Date: 7-17			
		JOB S	SUMMARY					
The Intern – Radiation Dosimetry performs routine technical work in Radiation Oncology treatment planning while cultivating basic skills. The Intern – Radiation Dosimetry is expected to be capable of developing routine radiotherapy treatment plans from 3D medical images (CT, MRI, PET) involving vital areas of the body with assistance. This person also performs ancillary dosimetry tasks such as mold room duties, creating electronic patient records and billing for dosimetry services. Work is performed under close supervision, progressing to limited supervision, by Radiation Physicists. It is expected that advanced dosimetry skills and independence in all areas of dosimetric services will be developed while in this position. This position reports to the Radiation Oncology Director.								
	1	MAJOR RES	PONSIBILITI	ES				
 a. Mold roc or seniol b. Patient s c. Impleme d. Impleme e. Order ar 	non-planning dosimetry om (creation of patient r Dosimetrist) specific dosimetry (in-v ent the institutional elec- ent the institutional billin nd maintain supplies for maintain existing polic	specific devices rivo dosimetry) ctronic charting a ng methods for a or mold room and	and workflow sys a high standard fo d in-vivo dosimet	tems. or proper and ac ry	cks under the direction of objective			
 Performance of radiotherapy treatment plans Manual 2D monitor unit (MU) calculations 2D plans created from conventional simulation 3D plans created from CT simulation using computer based treatment-planning systems. 								
 b. Participa c. Participa safety) 	updating and creating te in dosimetry related	d projects design de committees as	ed to improve ra s an observer as	diation therapy time permits (e	processes. e.g.: quality improvement and			
 Periodic review of Attendance at in Attendance at th 	nart check neck nce work review by ph of DHO projects and pi	rocedure docume grand rounds m onthly meeting	entation develop neetings and othe	ment	al meetings as required			

ALL DUTIES AND REQUIREMENTS MUST BE PERFORMED CONSISTENT WITH THE UW HEALTH PERFORMANCE

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STANDARDS.

JOB REQUIREMENTS						
Education Minimum		Graduate from school in Radiation Therapy Technology and accepted admission to Maste of Science in Medical Dosimetry Program				
	Preferred					
Vork Experience	Minimum					
	Preferred					
icenses & Certifications	Minimum	Certified as a Radiation Therapist (Radiation Therapy Technologist) by the American Registry of Radiologic Technologists.				
Required Skills, Knowledge, and Abilities		 Strong mathematical and analytical skills, including algebra, geometry, and trigonometry. Ability to function safely and effectively in the Radiation Oncology clinical environment. Ability to work effectively within the radiation oncology team. Ability to interpret medical terminology Ability to understand written and oral communication from medical staff and with patients, family, public and other professionals. Ability to interact with patients and family in such a manner as to inspire confidence and gain patient's cooperation. Ability to communicate (understand written and oral communication) with medical staff, physics staff, radiation therapists, nursing, and clerical staff involved with patient care. Ability to read, write, listen, speak observe and use computers. Clinical Skill: Knowledge of human anatomy and physiology; radiation physics; radiation biology; pathology and malignant disease; tissue and organ dose tolerances Knowledge of working with high-energy radiation materials and equipment and the hazards involved. Knowledge of the workings and use of complex radiation therapy treatment machines, specialized diagnostic x-ray equipment, electronic portal imaging, ARIA software, MLC (multi-leaf collimator equipment), optical guidance 				
		 systems, dynamic wedges, Tomotherapy, tracking systems, and other new technologies as implemented and assigned. Ability to make appropriate patient set-up recommendations to produce reproducible, accurate and precise treatment plans. Skill and ability in interpreting treatment planning orders and in communicating with medical and radiation physics staff to develop 				
		 appropriate treatment plans. Respecting and honoring patient concerns including privacy and confidentiality. Knowledge of functions of a radiation oncology clinic. Knowledge of charge entry system and ability to enter charges accurately. Knowledge of and ability to use required computer systems. 				
		PECIFIC COMPETENCY (Clinical jobs only)				
		direct and indirect patient care providers who regularly assess, manage and treat patients. of patients served either by direct or indirect patient care by checking the appropria				

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Toddlers (1 – 3 years)	Young Adult (20 – 40 years)				
Preschool (4 – 5 years)	Middle Adult (41 – 65 years)				
School Age (6 – 12 years)	Older Ad	Older Adult (Over 65 years)			
JOB I Review the employee's job description and identify each essen	FUNCTIONS ntial function that is perfo patient.	rmed differently based or	n the age group of the		
PHYSICAL Indicate the appropriate physical requirements of this	REQUIREMENTS		a accommodations may		
be made available for individuals with disabilities to perform the e			e accommodations may		
Physical Demand Level	Occasional	Frequent	Constant		
	Up to 33% of the time	34%-66% of the time	67%-100% of the time		
Sedentary: Ability to lift up to 10 pounds maximum and occasionally lifting and/or carrying such articles as dockets, ledgers and small tools. Although a sedentary job is defined as one, which involves sitting, a certain amount of walking and standing is often necessary in carrying out job duties. Jobs are sedentary if walking and standing are required only occasionally and other sedentary criteria are met.	Up to 10#	Negligible	Negligible		
Light: Ability to lift up to 20 pounds maximum with frequent lifting and/or carrying of objects weighing up to 10 pounds. Even though the weight lifted may only be a negligible amount, a job is in this category when it requires walking or standing to a significant degree.	Up to 20#	Up to 10# or requires significant walking or standing, or requires pushing/pulling of arm/leg controls	Negligible or constar push/pull of items of negligible weight		
X Medium: Ability to lift up to 50 pounds maximum with frequent lifting/and or carrying objects weighing up to 25 pounds.	20-50#	10-25#	Negligible-10#		
Heavy: Ability to lift up to 100 pounds maximum with frequent lifting and/or carrying objects weighing up to 50 pounds.	50-100#	25-50#	10-20#		
Very Heavy: Ability to lift over 100 pounds with frequent lifting and/or carrying objects weighing over 50 pounds.	Over 100#	Over 50#	Over 20#		
List any other physical requirements or bona fide occupational qualifications:					

Note: The purpose of this document is to describe the general nature and level of work performed by personnel so classified; it is not intended to serve as an inclusive list of all responsibilities associated with this position.