AUBURN
Human Resources

Radiation Therapist & Dosimetrist

Job Description

JOB INFORMATION

Job Code	IC20
Job Description Title	Radiation Therapist & Dosimetrist
Pay Grade	HW12
Range Minimum	$69,830
33rd %	$88,450
Range Midpoint	$97,760
67th %	$107,070
Range Maximum	$125,700
Exemption Status	Exempt
Organizational use restricted to the following divisions	139 College of Veterinary Medicine
Approved Date:	9/4/2026 2:36:23 PM

JOB FAMILY AND FUNCTION

Job Family:	Health & Wellness
Job Function:	Lab

JOB SUMMARY

The Radiation Therapist & Dosimetrist is responsible for the planning, delivery, quality assurance, and documentation of radiation therapy treatments for veterinary patients. This position works closely with veterinary radiation oncologists, medical physicists, radiologists, residents, interns, anesthesia personnel, and veterinary technicians to ensure safe and effective radiation treatment. The individual will participate in treatment simulation, treatment planning, dosimetry, equipment quality assurance, patient positioning, and radiation safety activities.

RESPONSIBILITIES

- Radiation Therapy Delivery: Administers radiation therapy treatments in accordance with physician prescriptions and established protocols. Accurately positions and immobilizes patients for treatment. Utilizes image-guided radiation therapy (IGRT) techniques to verify treatment positioning. Monitors patient treatments and documents all treatment activities in the medical record. Recognizes and reports equipment malfunctions, treatment variances, or safety concerns.
- Radiation Treatment Planning: Generates, evaluates, and modifies radiation treatment plans under the direction of the radiation oncologist. Performs contouring assistance, treatment planning, dose calculations, and plans optimization using radiation treatment planning software. Develops three-dimensional conformal radiation therapy (3D-CRT), IMRT, VMAT, SRS, and SBRT treatment plans as appropriate. Reviews imaging datasets including CT, MRI, and PET studies for treatment planning purposes. Verifies treatment plans, meets physician prescriptions and institutional protocols. Performs plan quality assurance and pre-treatment verification procedures.
- Quality Assurance and Safety: Participates in daily, monthly, and annual quality assurance testing of radiation therapy equipment. Assists with radiation safety compliance and regulatory requirements. Maintains accurate treatment records and documentation. Ensures adherence to institutional radiation safety policies and procedures. Supports accreditation and regulatory inspections as required.
- Patient Care: Collaborates with anesthesia and nursing teams to ensure safe patient handling and monitoring. Maintains patient comfort, safety, and welfare throughout the treatment process. Assists with scheduling and coordination of treatment appointments.
- Teaching and Research: Assists with the instruction of veterinary students, residents, interns, and technical staff. Participates in clinical research projects and data collection activities. Contributes to protocol development and continuous quality improvement initiatives.

The responsibilities listed above show the typical duties for jobs in this classification. Actual tasks may differ depending on the department's needs. Other similar duties may be assigned with discretion of the supervisor.

Not every duty will apply to every position, and the amount of time spent on each task can change based on department needs.

SUPERVISORY RESPONSIBILITIES

Supervisory Responsibility	May be responsible for training, assisting or assigning tasks to others. May provide input to performance reviews of other employees.

MINIMUM QUALIFICATIONS

To be eligible, an individual must meet all minimum requirements which are representative of the knowledge, skills, and abilities typically expected to be successful in the role. For education and experience, minimum requirements are listed on the top row below. If substitutions are available, they will be listed on subsequent rows and may only to be utilized when the candidate does not meet the minimum requirements.

MINIMUM EDUCATION & EXPERIENCE

Education Level	Focus of Education		Years of Experience	Focus of Experience	
High School Diploma or GED	Graduation from an American Registry of Radiologic Technologists (ARRT) accredited program in therapy or medical imaging with certifications. Registered Radiologic Technologist or Board Eligible.	and	7 years of	experience in computed tomography (CT) simulation, treatment planning software, linear accelerator operations and/or dosimetry. Preferred experience in veterinary medicine or comparative oncology, with demonstrated expertise in advanced radiation therapy planning and delivery, including IMRT, VMAT, SRS, and SBRT. Familiarity with Eclipse, ARIA, Velocity, or comparable treatment planning systems is desirable. Experience in an academic teaching hospital setting and involvement in clinical research activities are also preferred.	

MINIMUM KNOWLEDGE, SKILLS, & ABILITIES

Knowledge of radiation safety principles and regulatory compliance requirements.	
Strong understanding of radiation oncology principles and treatment planning.	
Proficiency in radiation therapy and imaging technologies.	
Excellent analytical and problem-solving skills.	
Strong organizational skills and attention to detail.	
Effective communication and interpersonal abilities.	
Ability to work collaboratively within a multidisciplinary healthcare team.	
Ability to manage multiple priorities in a fast-paced clinical environment.	

MINIMUM LICENSES & CERTIFICATIONS

Licenses/Certifications	Licenses/Certification Details	Time Frame	Required/ Desired	
	Certification as a Registered Radiation Therapist (ARRT(T)) and/or Certified Medical Dosimetrist (CMD), or eligibility to obtain certification within a specified timeframe.	within 180 Days	Required	

PHYSICAL DEMANDS & WORKING CONDITIONS

Physical Demands Category:	Other

PHYSICAL DEMANDS

Physical Demand	Never	Rarely	Occasionally	Frequently	Constantly	Weight
Standing				X		
Walking				X		
Sitting				X		
Lifting				X		25 lbs
Climbing		X				
Stooping/ Kneeling/ Crouching				X		
Reaching				X		
Talking					X	
Hearing					X	
Repetitive Motions					X	
Eye/Hand/Foot Coordination					X	

WORKING ENVIRONMENT

Working Condition	Never	Rarely	Occasionally	Frequently	Constantly
Extreme cold		X			
Extreme heat		X			
Humidity			X		
Wet			X		
Noise			X		
Hazards			X		
Temperature Change			X		
Atmospheric Conditions		X			
Vibration		X			

Vision Requirements:

Ability to see information in print and/or electronically and distinguish colors.