

ANIMAL IMAGING ~~TECHNOLOGIST~~-SERIES

Code No.	Class Title	Occ. Area	Work Area	Prob. Period	Effective Date	Last Action
4665	Animal Imaging Assistant Technologist-I	02	447	6 mo.	00/00/00	Rev.
4666	Animal Imaging Technicianologist-II	02	447	6 mo.	00/00/00	Rev.
4667	Animal Imaging Technologist-III	02	447	6 mo.	00/00/00	Rev.
4668	Animal Imaging Specialist Technologist-IV	02	447	6 mo.	00/00/00	Rev.

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Series Narrative

Employees in positions assigned to this series operate imaging equipment in a veterinary teaching hospital or clinic environment as part of the diagnostic and/or treatment plan for animal patients, research programs, and teaching curricula. The equipment operated includes stationary and mobile imaging equipment fluoroscopy, sonographic and radiation detection equipment, and auxiliary equipment (such as automatic injectors, image intensifiers, laser printer, computers, and PACS viewing workstation). The Animal Imaging ~~Technologist- staff~~ will be responsible for taking, processing, and evaluating diagnostic images and digital data sets.

An Animal Imaging Technologist will be responsible for training, scheduling, directing, and evaluating students and other Animal Imaging ~~Assistants Technologists or Animal Imaging Technicians~~; maintaining accurate and complete records; maintaining imaging equipment; conducting physical and biological research; and making minor repairs to equipment when necessary. The Animal Imaging Technologist ~~and Animal Imaging Specialist~~ will cross-train, in addition to radiography, in the advanced imaging modalities including but not limited to CT, MRI, Nuclear Medicine and Radiation Therapy.

Animal Imaging Technologists ~~and Animal Imaging Technicians~~ provide protection for patients in accordance with prescribed standards and assist in performing first aid as necessary. They teach and practice radiation safety techniques. They also practice sterile techniques to prevent cross-contamination during special procedures.

DESCRIPTION OF LEVELS OF WORK

Level I: Animal Imaging ~~Assistant Technologist-I~~ 4665

Employees in positions at this level take and process diagnostic images which are used in veterinary treatment, research, and instruction. These images are interpreted by radiologists to locate and characterize abnormalities (diseases) or to study normal biological structures and processes within the body. They work under direct supervision of higher level personnel.

An Animal Imaging ~~Assistant Technologist-I~~ typically –

1. performs radiographic exams on small, large, exotic and wildlife animals
2. prepares the patient and positions the patient and equipment to obtain requested views using immobilization devices, troughs or supports the patient with weights, sand bags, sponges, cotton or tape
3. adjusts equipment and determines proper technique (voltage, current, and exposure time) for each image; adjusts lead protection and collimates the beam to protect unaffected parts of the body from exposure to radiation

4. critiques and evaluates digital images acquired. Sends approved images to the PACS for official diagnostic reading
5. assists in the training and evaluation of veterinary and animal health technology students in imaging techniques and processes
6. practices the use of radiation safety techniques such as ALARA and personal radiation protection devices (a personal radiation monitoring device is worn and monitored monthly)
7. administers, under direct supervision of oral and IV contrast media
8. acquires radiographic images in hospital wards or operating rooms using mobile equipment when necessary and feasible; responds to emergency situations as requested
9. utilizes a Hospital Information System to verify orders and enters and corrects charges as needed
10. utilizes the PACS system to review images and to reconcile image demographic information
11. digitizes outside films for transfer to the PACS; uploads outside images from DVM's to the PACS
12. assists the radiologist or performing clinician on echo cardiology exams, including, but not limited to, performing ECG and blood pressure on patients, setting up equipment and finalizing reports
13. is cross-trained on a minimum of 1 advanced modality, including, but not limited to CT, MRI, Nuclear Medicine, or Radiation Therapy
14. communicates with clients bringing outpatients to the imaging department
15. maintains orderliness and cleanliness of assigned area; reports the malfunctioning of equipment or supply shortages
16. performs related duties as assigned

Level II: Animal Imaging Technicianologist II **4666**

Employees in positions at this level take, process, and critique diagnostic images in an animal health care facility. In addition to the duties of the [Animal Imaging Technician I](#), they have increased responsibilities and expertise on special procedures and advanced imaging. They work under general supervision from higher level personnel.

An Animal Imaging Technicianologist II typically –

1. performs routine and special procedures as directed by the radiologist
2. produces complex and specialized diagnostic images as requested by the radiologist or clinician
3. prepares and administers contrast media as directed by the radiologist
4. is cross-trained on a minimum of 2 or more advanced modalities, including, but not limited to, CT, MRI, Nuclear Medicine, or Radiation Therapy

5. participates in evaluating students and lower level technologists performing imaging techniques and procedures
6. participates in various non-clinical activities and in teaching labs based on curriculum guidelines such as preparing/presenting lectures or presentations and taking specialized images for research projects
7. performs minor maintenance on imaging equipment; contacts the appropriate service vendor as needed
8. assigns and directs the work of students as necessary
9. performs related duties as assigned

Level III: Animal Imaging Technologist III 4667

Employees in positions at this level are responsible for all duties of an [Animal Imaging Technician I](#) and II. An [Animal Imaging Technologist III](#) works independently under the supervisory direction from higher level personnel.

An [Animal Imaging Technologist III](#) typically –

1. is cross-trained on a minimum of 3 or more advanced modalities, including, but not limited to, CT, MRI, Nuclear Medicine, or Radiation Therapy
2. performs highly specialized studies (such as angiograms, arteriograms, and laminograms)
3. instructs lower level [Animal Imaging Technicians](#) and students in the performance of unusual, difficult, or new examinations or special procedures
4. participates in various non-clinical activities such as evaluating equipment purchases, building protocols for research projects and giving lectures and labs on advanced and specialized equipment or procedures
5. performs related duties as assigned

Level IV: Animal Imaging Specialist Technologist IV 4668

Employees in positions at this level coordinate training, research and diagnostic imaging activities between various sections, procedure rooms or satellites, or manage a small unit. They may supervise and direct the activities of staff, students, and auxiliary personnel. The [Animal Imaging Specialist IV](#) will have administrative duties in addition to performing clinical and research studies. They work under administrative direction from higher level personnel.

An [Animal Imaging Specialist Technologist IV](#) typically –

1. recommends and prepares teaching materials, visual aids, instructional handouts for veterinary students, research protocols, and summary materials as assigned

2. provides input for employee and student evaluations. May be asked to participate in employee mentoring or interviews
3. develops techniques and processes for new equipment use
4. assists in the logistical aspects of radiation safety such as monitoring badge usage, proper safety techniques on the clinical floor and giving safety lectures
5. recommends equipment modification, new equipment needs, and essential construction within the department
6. assumes responsibility for inventory level, storage, and utilization of stock; uses iBuy, or other purchasing programs to order supplies or equipment
7. assists in the preparation of reports, documents, and other data as requested
8. represents the department at administrative conferences; participates on interdepartmental committees
9. consults with professional sales representatives and documents transactions
10. upon delegation, may act on the behalf of superior
11. performs other duties as assigned

MINIMUM ACCEPTABLE QUALIFICATIONS REQUIRED FOR ENTRY INTO

Level I: Animal Imaging Assistant Technologist I

4665

CREDENTIALS TO BE VERIFIED BY PLACEMENT OFFICER

1. (A) Satisfactory completion of a program of training in radiography or related fields that was approved by American Federal Association/Joint Review Committee and is registry eligible with the American Registry of Radiologic Technologists (ARRT)

OR

- (B) **Current** certification as a Veterinary Technician by the Illinois Department of Professional Regulation

AND

One (1) year and six (6) months (18 months) of work experience in diagnostic imaging

KNOWLEDGE, SKILLS AND ABILITIES (KSAs)

1. Knowledge of diagnostic imaging equipment
2. Manual dexterity

3. Ability to learn veterinary anatomy and appropriate terminology
4. Ability to maintain computerized medical records and use computer programs
5. Ability to get along with people and handle animals
6. Ability to follow oral and written instructions

Level II: Animal Imaging Technicianologist II**4666**

CREDENTIALS TO BE VERIFIED BY PLACEMENT OFFICER

1. (A) Satisfactory completion of a program of training in radiography or related fields that was approved by the American Medical Association/Joint Review Committee AND is a current Registered Radiologic Technologist with the American Registry of Radiologic Technologists (ARRT)

OR

- (B) **Current** certification as a Veterinary Technician by the Illinois Department of Professional Regulation

AND

Two (2) years (24 months) of work experience comparable to that performed at the Animal Imaging [Assistant Technologist I](#) or in other positions of comparable responsibility

2. One (1) year (12 months) of work experience in diagnostic imaging

KNOWLEDGE, SKILLS AND ABILITIES (KSAs)

1. Knowledge of diagnostic imaging
2. Ability to examine and evaluate technical aspects of diagnostic images
3. Ability to interpret oral and written instructions
4. Ability to operate advanced imaging equipment
5. Ability to prepare and administer contrast media
6. Ability to handle animals

Level III: Animal Imaging Technologist III**4667**

CREDENTIALS TO BE VERIFIED BY PLACEMENT OFFICER

1. (A) Satisfactory completion of a program of training in radiography or related fields that was approved by the American Medical Association/Joint Review Committee AND is a current Registered Radiologic Technologist with the American Registry of Radiologic Technologists (ARRT)

OR

- (B) **Current** certification as a Veterinary Technician by the Illinois Department of Professional Regulation

AND

Two (2) years (24 months) of work experience comparable to that performed at the Animal Imaging ~~Technicianologist~~ or in other positions of comparable responsibility

2. Three (3) years (36 months) of work experience in diagnostic imaging

KNOWLEDGE, SKILLS, AND ABILITIES (KSAs)

1. Knowledge of complex imaging modalities
2. Ability to coordinate clinical patient flow
3. Supervisory ability
4. Ability to perform specialized diagnostic imaging studies
5. Ability to handle animals

Level IV: Animal Imaging ~~Specialist Technologist~~ IV

4668

CREDENTIALS TO BE VERIFIED BY PLACEMENT OFFICER

1. (A) Satisfactory completion of a program of training in radiography or related fields that was approved by the American Medical Association/Joint Review Committee AND is a current Registered Radiologic Technologist with the American Registry of Radiologic Technologists (ARRT)

OR

- (B) **Current** certification as a Veterinary Technician by the Illinois Department of Professional Regulation

AND

Two (2) years (24 months) of work experience comparable to that performed at the Animal Imaging ~~Specialist Technologist~~ or in other positions of comparable responsibility

2. Three (3) years (36 months) of work experience in diagnostic imaging
3. One (1) year (12 months) of progressively more responsible work experience which consisted of assuming administrative responsibilities beyond providing clinical supervision of lower level technicians and students and responsibility/authority for designated areas in animal imaging

KNOWLEDGE, SKILLS AND ABILITIES (KSAs)

1. Ability to prepare trainee curricula and lesson plans

2. Ability to communicate and participate in team/committee meetings constructively
3. Ability to prepare technical reports
4. Ability to direct, assign, and evaluate the work of others

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