



# College of Veterinary Medicine Policies and Procedures

Subject: Students

Section: Diagnostic Imaging

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Date: 2012

Replaces Policy Dated: 1995

To Be Reviewed Yearly by: AHC Director and  
Diagnostic Imaging Service Chief

Source:

Cross Reference:

## STUDENTS

Quality teaching in clinical diagnostic radiology will be provided in group rounds with a radiologist or radiology resident. Radiographic findings will be discussed on daily cases as examinations are completed, whenever possible. Radiographic principles discussed will be put into practice during daily examinations.

From 8:30 to 10:00 a.m., the students will participate in interpretive radiology rounds.

During the four week rotation in Diagnostic Imaging, the students will provide daily radiology and ultrasound service to the large and small animal clinics. All junior students in the rotation share emergency duty for after-hours imaging requests. When called in for emergency duty, the radiology students will be responsible for obtaining quality radiographic images as requested by the requesting intern, resident, or attending clinician.

It is expected that students on the radiology rotation use the four weeks to expand on what has been learned in previous years in the curriculum. Students should have a foundation in topics such as normal radiographic anatomy, the 5 radiographic opacities, and basic knowledge of radiographic abnormalities before beginning the rotation. Learning activities are structured to review and increase the knowledge base in interpretive and technical skills while applying diagnostic principles to medical case analysis. Interpretive skills will be practiced during daily clinical activity and scheduled daily topic rounds. Technical skills will be practiced daily and discussed by radiology technologists with students.

Use proper radiation safety procedures when producing any radiographic study. This is not negotiable. If unprotected human digits or other body parts are present on a radiograph taken by students, all students involved will be considered responsible and additional assignments will be given. The assignment typically is a paper on some aspect of radiation safety. If radiation safety is breached and an additional assignment is made, the student's grade will not be released until the work is completed.

## **Learning Activities**

### First Week

Orientation – Technicians

Equipment

Procedure requests

Image retrieval

Protection

Technique Chart Module

Ultrasound equipment

Emergency/Student Duty Schedule

Expectations for practical exam

Orientation – Radiologist

Syllabus

Basis of Evaluation

Expectations for written exam

Expectations for successful completion of the rotation

Daily Topic Rounds

Discussion of musculoskeletal disease presentations in the dog and cat

Daily interpretation of clinical diagnostic images – all species

### Second Week

Daily Topic Rounds

Discussion of thoracic disease presentations in the dog and cat

Daily interpretation of clinical diagnostic images – all species

Develop systematic approach for evaluation of the thorax

Application of ultrasound to cardiac disease

Develop differential diagnoses of thoracic diseases

Interdisciplinary knowledge – describe next diagnostic step and prognosis pertaining to thoracic disease

Midblock evaluation after completion of 2<sup>nd</sup> week

### Third Week

Daily Topic Rounds

Discussion of abdominal disease presentations in the dog and cat

Daily interpretation of clinical diagnostic images – all species

Major organ systems will be presented for discussion

Develop systematic approach applied to the abdomen/DDx/next step/prognosis

### Fourth week

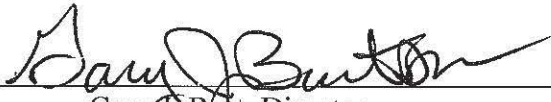
Written interpretation exam

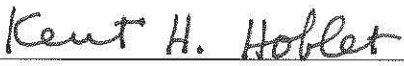
Feedback/Evaluation (end rotation)

Presentation Categories – each student will choose one topic and will turn in a copy of his or her presentation on a CD

Expected Outcome

1. Improvement in each student's ability to use diagnostic imaging in a knowledgeable and logical manner to facilitate medical diagnoses and proposed therapies in dogs, cats, and horses
2. Quality service for clinical patients
3. Improved communication skills demonstrated by each student
4. Displayed teamwork and professional attitude

Approved:  9-26-12  
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Date

Approved:  10/17/12  
Kent Hoblet, Dean  
College of Veterinary Medicine  
Date