

**ACVR Residency Training Program Application Form:**

The Ohio State University
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This document is to act as a guide for institutions desiring ACVR accreditation of their residency training program. It should be used in concert with the requirements set out in the ACVR Essentials of Residency Training document and it follows the headings of that document. It is intended to streamline the application process and help define what information the RSEC needs to evaluate the program. All terms used in this application have same definitions as defined in the Essentials.

**II. Objectives:**

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| <p><b>1. The radiology residency program at The Ohio State University, College of Veterinary Medicine is designed to provide postdoctoral clinical training that will fulfill the requirements of the American College of Veterinary Radiology (ACVR) and result in eligibility to apply for the qualifying examination of the ACVR.</b></p> <p><b>2. The resident will receive training in all of the subspecialty areas of veterinary radiology including routine and special procedures in small and large animal diagnostic radiology, diagnostic ultrasound, nuclear medicine, computed tomography, and magnetic resonance imaging. Training will allow the graduates of the program to perform in either an academic or specialty practice environment.</b></p> <p><b>3. This is a combined residency/graduate program. The resident will pursue graduate study for a Master of Sciences degree. The residency program will provide the opportunity for training in research design and experimental techniques.</b></p> |
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**III. Training period:**

What is the total length of the training program in months? <b>36 months</b>
If this is a 4 year program, during what year will the resident be eligible to take the ACVR Preliminary Exam? If the resident is not eligible to take the exam during the beginning of the 3 <sup>rd</sup> year (September), please state the reason.
What is the total duration of supervised clinical training in the program? <b>30 months</b>
What are the responsibilities of the resident in the remaining non-clinical portion of the program? <b>Working on Masters project; studying for ACVR boards; taking ACVR mock board exams.</b>

**IV. Direction and Supervision:**

**Program Director:**

Who is the Director of Residency training? <b>Wm Tod Drost, DVM, DACVR</b>
What percentage of this individual's time is committed to clinical service and teaching of residents? <b>50%</b>

**Faculty:**

Please list the faculty member of the program accepting PRIMARY responsibility for training in each of the following core areas:

Roentgen diagnosis:

Faculty: <b>Drs. Drost, E. Green, Murakami and Zekas</b>
Percentage clinical service: <b>50%, 40%, 75%, 75%</b>

Diagnostic ultrasound:

Faculty: <b>Drs. Murakami and Zekas</b>
Percentage clinical service: <b>75%, 75%</b>

Computed Tomography

Faculty: <b>Drs. Drost, E. Green, Murakami and Zekas</b>
Percentage clinical service: <b>50%, 40%, 75%, 75%</b>

Magnetic Resonance Imaging:

Faculty: <b>Drs. Drost, E. Green, Murakami and Zekas</b>
Percentage clinical service: <b>50%, 40%, 75%, 75%</b>

Nuclear Medicine:

Faculty: <b>Wm Tod Drost, DVM, DACVR</b>
Percentage clinical service: <b>50%</b>

List the names and percentage clinical commitment of additional imaging faculty in the program, and their area(s) of instructional responsibility. For each imaging faculty in the program please provide a one page CV documenting their expertise in the area(s) of assigned responsibility.

For each of the specialty colleges listed below please list at least two Diplomates of these colleges who can be expected to regularly interact with radiology residents:

ACVIM

<b>John Bonagura</b>
<b>Catherine Kohn</b>

ACVS

<b>Jonathan Dyce</b>
<b>Mary A. McLoughlin</b>

ACVP

<b>Christopher Premanandan</b>
<b>Maxey Wellman</b>

**V. Affiliation agreement:**

If all of the training will not be accomplished on-site, please attach a copy of the affiliations agreement(s). Include the scope of the training and amount of time the resident will be away from the home institution.

**VI. Facilities:**

**The radiology facilities within the VMC include the following: 2 digital, small animal imaging rooms, one with fluoroscopy; a dedicated fluoroscopy room; 2 digital large animal x-ray rooms; a 8 slice GE CT scanner; a nuclear medicine suite with a small and a large FOV gamma camera; and an ultrasound suite with 2 machines. The Wright Center of Biomedical Innovation houses a 3T magnet and a PET/CT scanner that are both available to VMC patients. Digital radiography equipment and PACS is from Sound-Eklin. A HIS/RIS will be installed in 2011.**

**VII. Clinical resources:**

Indicate the approximate number of patients seen annually by the home institution?  
**22,000**

What is the annual imaging caseload? **11,500**

Indicate the approximate breakdown of the patient population according to species.

Small animals (canine, feline)	<b>88%</b>
Large animals (equine and food animals)	<b>12%</b>
Exotic animals	<b>0%</b>

What is the approximate annual imaging caseload of the program in:

Small Animal Radiology:	<b>7455</b>
Large Animal Radiology:	<b>1245</b>
Abdominal Ultrasound:	<b>1900</b>
Computed Tomography:	<b>600</b>
Nuclear Medicine:	<b>75</b>
Magnetic Resonance Imaging:	<b>225</b>
Other (specify):	<b>Fluoro cases - 75</b>

**VIII. Training content:**

What percentage of imaging reports are typically available within 48 hours after the examination is conducted in typewritten or electronic form? <b>98%</b>
If your answer is less than 75% please explain how reports are generated and how long it takes for the report to be available for review in typewritten form.
Of the preliminary reports generated from the imaging caseload what percentage are initially produced by the resident? <b>85%</b>
What percentage of resident reports are reviewed by the imaging faculty prior to finalization of the report? <b>100%</b>
When preliminary resident reports are reviewed and edited by the imaging faculty responsible for training, what percentage of the time are two or more faculty present? <b>80%</b>

**Please complete the table below**

	Approximate number of cases in the 30 months clinical experience
Small Animal Radiology:	<b>18,640</b>
Large Animal Radiology:	<b>3115</b>
Abdominal Ultrasound:	<b>4750</b>
Computed Tomography:	<b>1500</b>
Nuclear Medicine:	<b>185</b>
Magnetic Resonance Imaging:	<b>560</b>
Elective (any of above)	<b>0</b>
Required elective (specify):	<b>0</b>
<b>Total</b>	<b>28,750</b>

Please indicate the course number and unit assignment residents are required to take to meet the educational objectives for formal instruction as outlined in the Essentials in the following:

<b>Topic</b>	<b>Course number</b>	<b>Units</b>
Radiobiology:	<b>RAD 680</b>	<b>2.0</b>
The Physics of:		
Diagnostic Radiology:		
Nuclear Medicine:	<b>NM Short Course @ UT</b>	
Ultrasonography:		
CT:		
MRI:		
If your program does not offer formal courses in any or all of these topics please indicate how these educational objectives for each are met. <b>Resident self-study. Mock exams given every 4-5 months to insure residents are making progress.</b>		

#### **IX. Research Environment:**

Over the last 5 years, what is the average number of peer reviewed publications, on which the IMAGING faculty listed under Direction and Supervision in <b>IV</b> above, are included as authors? <b>9 / year</b>
What is the number of publications/submissions expected of a resident completing the program? <b>1</b>
If this is an established program, what percentage of residents have made formal research presentations at the annual ACVR or equivalent national meeting? <b>95%</b>
Is an advanced degree a requirement of the training program? <b>Yes</b>

#### **X. Educational Environment:**

How many lectures or scientific presentations are expected of each resident during the course of their training? <b>3 scientific presentations</b>
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#### **XI. Evaluation:**

During the program how often is resident performance evaluated in writing? <b>2 per year</b>
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**XII. Teaching File:**

What is the nature and scope of the teaching file available to residents? **Analog film file with case write-ups – primarily geared towards students. Residents add one case per 2-week rotation to the file. A searchable log of interesting digital images (all modalities) is kept.**

How is it maintained/updated? **Residents add one case per 2-week rotation to the file. Cases are added to the digital file as they arise.**

**XIII. Conferences:**

On average how many Known Case Conferences are conducted annually? **30 – This is a Masters level class**

**XIV. Literature resources:**

What is the geographic relationship between the nearest medical library and the training program? **As close as the nearest computer. The College of Veterinary Medicine has a library in the next building and the Medical School library is across campus. Even if the College of Veterinary Medicine library has an article on file, residents order the article on-line (interlibrary loan) and get the article as a PDF.**

**XV. Appendix:**

(a) Provide the pass rate for first time, second time, etc for both the preliminary and certifying exams for your residents for the past 5 years. For example, for all residents finishing your program 5 years ago (Year 5), check the appropriate box. Complete the table for residents finishing 4 years ago (Year 4), 3 years ago (Year 3), etc.

	Year 5	Year 4	Year 3	Year 2	Year 1
Passed preliminary exam 1st time	<b>100%</b> <b>n=2</b>	<b>100%</b> <b>n=2</b>	<b>100%</b> <b>n=2</b>	<b>100%</b> <b>n=2</b>	<b>100%</b> <b>n=2</b>
Passed prelim exam 2 <sup>nd</sup> time					
Passed prelim after 2 <sup>nd</sup> time					
Passed certifying exam 1 <sup>st</sup> time	<b>100%</b> <b>n=2</b>	<b>100%</b> <b>n=2</b>	<b>100%</b> <b>n=2</b>	<b>100%</b> <b>n=2</b>	<b>50%</b> <b>n=2</b>
Passed certifying exam 2 <sup>nd</sup> time					
Passed certifying exam after 2 <sup>nd</sup> time					
Unsuccessful in all attempts					

(b) Provide a clinical schedule for your resident(s). This schedule should provide a weekly or monthly outline of the resident’s clinical responsibilities. This may be in the form of a master schedule or duty roster for your entire radiology section if desired.