

ACVR Residency Training Program Application Form:

Institution Name

University of Wisconsin-Madison

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:

Succinctly state the objectives of the training program.

The objectives of this training program are to prepare the resident for the ACVR board examination and subsequent academic appointment or private specialty practice. Program is also in compliance with requirements for the European College of Veterinary Diagnostic Imaging examination. Training is provided in small, large and exotic animal species and in research and publication.

III. Training period:

What is the total length of the training program in months? 48

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 3rd year (September), please state the reason. N.A

What is the total duration of supervised clinical training in the program? 174 weeks

What are the responsibilities of the resident in the remaining non-clinical portion of the program?

Research, study and vacation

IV. Direction and Supervision:

Program Director:

Who is the Director of Residency training? Randi Drees

What percentage of this individual's time is committed to clinical service and teaching of residents? 65

Faculty:

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

Roentgen diagnosis:

Faculty: Adams

	Percentage clinical service: 65
Diagnostic ultrasound:	
	Faculty: Forrest
	Percentage clinical service: 65
Computed Tomography	
	Faculty: Drees
	Percentage clinical service: 70
Magnetic Resonance Imaging:	
	Faculty: Drees
	Percentage clinical service: 70
Nuclear Medicine:	
	Faculty: Forrest
	Percentage clinical service: 65

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

Dr. Heidi Kellihan // ACVIM - Cardiology	
Dr. David Vail // ACVIM - Oncology	

ACVS

Dr. Michael Livesey // ACVS - LA	
Dr. Susan Schaefer // ACVS - SA	

ACVP

Dr. Richard R. Dubielzig // ACVP	
Dr. Howard Steinberg // ACVP	

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.

All training will be accomplished at the University of Wisconsin.

VI. Facilities:

Briefly describe how the program meets the facility requirements.

The section of radiology has 3 small animal diagnostic radiology rooms. One of these rooms has an 800 mA tube with video fluoroscopy. The second has a 600 mA tube for routine radiography, plus a mobile C-arm for digital fluoroscopy and subtraction; suitable for angiocardiology. Our third small animal room for routine thorax and abdomen studies is equipped with a floating table and 500 mA tube. Three separate rooms are dedicated to large animal diagnostic radiology and diagnostic ultrasonography. The large animal room has an 800 mA high frequency generator with a ceiling mounted motorized tube stand and

integrated ceiling mounted cassette stand. A portable x-ray machine is available for in-stall and distal extremity radiography. Both small and large animal rooms are digital (DR), with PACS and RIS, integrated with the HIS.

Ultrasonography equipment includes 2 rooms with real-time B-mode imaging with harmonics, all digital beam formers, 18 MHz transducer and pulsed, power and color Doppler.

Helical computed tomography and nuclear imaging suites are located adjacent to the above described rooms of the imaging department.

Nuclear imaging equipment consists of a 20" x 4.5" rectangular field of view gamma camera mounted on a specialized stand. The imaging equipment is connected to a computer, allowing dynamic imaging studies and analysis.

Our 1.0 tesla MRI unit is in a modular building adjacent to the VMTH.

Radiotherapy is provided by a newly built Tomotherapy facility attached to the hospital. Radioactive iodine therapy for hyperthyroid cats is also provided.

VII. Clinical resources:

Indicate the approximate number of patients seen annually by the home institution? 21,548

What is the annual imaging caseload? 10,870

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

Small animals (canine, feline)	19,364
Large animals (equine and food animals)	1548
Exotic animals	636

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

Small Animal Radiology:	7176
Large Animal Radiology:	900
Abdominal Ultrasound:	1920
Computed Tomography:	446
Nuclear Medicine:	54

Magnetic Resonance Imaging: 198
Other (specify): Radiotherapy: 136

VIII. Training content:

What percentage of imaging reports are typically available within 48 hours after the examination is conducted in typewritten or electronic form? 95
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? 80
What percentage of resident reports are reviewed by the imaging faculty prior to finalization of the report? 35
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? 5

Please complete the table below

	Approximate number of cases in the 40 months clinical experience
Small Animal Radiology:	Annual caseload/12 x mo. assigned = 8465
Large Animal Radiology:	281
Abdominal Ultrasound:	1800
Computed Tomography:	203
Nuclear Medicine:	6
Magnetic Resonance Imaging:	54
Elective (any of above)	25
Required elective (specify): Echo	32

Total	10,866
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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:

Topic	Course number	Units
Radiobiology:	410	27 lectures

The Physics of: "Physics for Radiology Residents" (medical school):

Diagnostic Radiology:	No course #	27 lectures
Nuclear Medicine:		7
Ultrasonography:		4
CT:		5
MRI:		9

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. Use attached sheets if necessary.

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 IV above, are included as authors? 21
What is the number of publications/submissions expected of a resident completing the program? 2
If this is an established program, what percentage of residents have made formal research presentations at the annual ACVR or equivalent national meeting? 95
Is an advanced degree a requirement of the training program? No

X. Educational Environment:

How many lectures or scientific presentations are expected of each resident during the course of their training? 6 to undergrads + 8 resident seminars
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XI. Evaluation:

During the program how often is resident performance evaluated in writing? 4
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XII. Teaching File:

What is the nature and scope of the teaching file available to residents?

Separate teaching files are maintained for students and residents. Additional radiology teaching sets, and patient file coding systems are in place to assist residents and faculty members for presentations or studying purposes of historical (hard copy and electronic) files. The electronic coding system is based on chapter designations in the Thrall text.

Seminar and lecture presentations are also stored electronically.

How is it maintained/updated?

First year resident assists in maintenance of the hard copy student teaching file. All residents contribute to the electronic teaching file by recording teaching quality studies daily, which are maintained in the indexed digital file on the PACS. Resident seminars are filed in a share file on computer.

XIII. Conferences:

On average how many Known Case Conferences are conducted annually? 36

XIV. Literature resources:

What is the geographic relationship between the nearest medical library and the training program? 4 blocks

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 06	Year 4 07	Year 3 08	Year 2 09	Year 1 10
Passed preliminary exam 1st time				X	X
Passed prelim exam 2 nd time	X	X	X		
Passed prelim after 2 nd time					
Passed certifying exam 1 st time			X	X	X
Passed certifying exam 2 nd time	X	X			
Passed certifying exam after 2 nd 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.

weeks:	1- 4	5 - 8	9 -12	13-16	17-20	21-24	25-28	29-32	33-36	37-40	41-44	45-48	49-
1st y resident													
Clinics	LA / US	LA / US / LA SA	US / LA	SA / US	SA/RES EA	SA/RESE A	SA / US	CT&LA	SA/CT& SP	SA	CT&SP	US / SA	RES
Teaching:													
lectures													
labs													
Classwork													
2nd y resident													
Clinics	CT&SP	MR&N M/CT& NM	RESEAR CH	CT&RO	U / SA	ECHO / N&US	CT&MR	U / SA	CT&SP/ MR&NM	CT&SP	LA&M R	CT&SP /MR&N M	MR&I
Teaching:													
lectures													
labs													
Classwork													
3rd y resident													
Clinics	US / SA	Study	SA / US	US / ELECT	LA&SP- US	CT&SP/S A	ELECTI VE	MR&SP/ U	MR&SP/ U	US	US / SA	SA /CT&L A	
Teaching:													
lectures													
labs													
Classwork													

Total: yrs
1-3

SA - 38 wks	US - 33	Echo - 2	CT - 19	SP - 13	ELECT - 6	Resea rch - 10	Study - 4
LA - 12	RO - 4	MR - 10	NM - 5	(Vaca - 6)			

weeks:	1 - 4	5 - 8	9 - 12	13-16	17-20	21-24	25-28	29-32	33-36	37-40	41-44	45-48	49-
4 th yr resident													
Clinics	SA/MR &NM	US/SA	CT&SP/SA	RESEA/SA	RESEA/CT&MR	RES/MR &CT	US /RESEA	SA/RES EA	US / SA	LA&MR	SA / US	MR&NM /US	US/R
Teaching: lectures						SA rad an		LA Rad an					
labs								Radiolog	Radiolog	Radiolog	Radiolog		
Classwork								Radiolog	Radiolog	Radiolog	Radiolog		

Total:
4th yr

SA - 14 US-12 RESEA RCH - 12
LA/Sp Proc/CT/MR/NM 14

(Vaca - 2)

