

ACVR Residency Training Program Application Form:

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| Animal Medical Center/Cornell University Collaborative Residency in Veterinary Diagnostic Imaging |
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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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| To train veterinarians in diagnostic imaging for qualification and successful completion of the ACVR board examination. |
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III. Training period:

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| 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 3 rd year (September), please state the reason. |
| What is the total duration of supervised clinical training in the program? 3 years |
| What are the responsibilities of the resident in the remaining non-clinical portion of the program? Manuscript preparation, independent study, lecture to interns and residents at AMC |

IV. Direction and Supervision:

Program Director:

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| Who is the Director of Residency training? Anthony Fischetti |
| What percentage of this individual's time is committed to clinical service and teaching of residents? 98% |

Faculty:

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

Roentgen diagnosis:

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| Faculty: Anthony Fischetti, AMC |
| Percentage clinical service: 98% |

Diagnostic ultrasound:

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| Faculty: Amy Yeager, Cornell |
| Percentage clinical service: 100% |

Computed Tomography

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| Faculty: Dr. Peter Scrivani, Cornell |
| Percentage clinical service: 60% |

Magnetic Resonance Imaging:

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| Faculty: Anthony Fischetti, AMC |
| Percentage clinical service: 98% |

Nuclear Medicine:

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| Faculty: Nathaniel Dykes, Cornell |
| Percentage clinical service: 80% |

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

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| Cathy Langston, AMC |
| Sharon Center, Cornell |

ACVS

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| Janet Kovak, AMC |
| Jay Harvey, Cornell |

ACVP

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| Taryn Donovan, AMC |
| Sean McDonough, Cornell |

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.

See attached. Previously approved.

VI. Facilities:

CT, MR, ultrasound, and radiography available at both locations. Large Animal radiology and nuclear medicine is provided at Cornell only.

VII. Clinical resources:

Indicate the approximate number of patients seen annually by the home institution?
50,000 visits at AMC; 30,000 at Cornell

What is the annual imaging caseload? Between referral and in-house imaging, the caseload is a total of approximately 15,000 cases, all modalities at AMC (number generated from PACS, 2010)

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

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| Small animals (canine, feline) | 75% |
| Large animals (equine and food animals) | 20% |
| Exotic animals | 5% |

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

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| Small Animal Radiology: 10,000 (AMC PACS 2010) + 600 (referrals) |
| Large Animal Radiology: 5,000 (Cornell) |
| Abdominal Ultrasound: 2950 (AMC PACS) |
| Computed Tomography: 512 (AMC PACS) |
| Nuclear Medicine: ~500 (Cornell) |
| Magnetic Resonance Imaging: 446 (AMC PACS) |
| Other (specify): |

VIII. Training content:

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| <p>What percentage of imaging reports are typically available within 48 hours after the examination is conducted in typewritten or electronic form?</p> <p>95% at AMC</p> |
| <p>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.</p> |
| <p>Of the preliminary reports generated from the imaging caseload what percentage are initially produced by the resident?</p> <p>50% of the caseload is generated initially as a preliminary report by a resident (AMC).</p> |
| <p>What percentage of resident reports are reviewed by the imaging faculty prior to finalization of the report?</p> <p>100%</p> |
| <p>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?</p> <p>At AMC, only 10 to 20% of the time.</p> <p>At Cornell, radiology rounds are conducted with two or more board-certified imaging faculty every day.</p> |

Please complete the table below

| | Approximate number of cases in the 30 months clinical experience |
|------------------------------|------------------------------------------------------------------|
| Small Animal Radiology: | 12,000 |
| Large Animal Radiology: | 2,000 |
| Abdominal Ultrasound: | 3,000 |
| Computed Tomography: | 800 |
| Nuclear Medicine: | 300 |
| Magnetic Resonance Imaging: | 800 |
| Elective (any of above) | |
| Required elective (specify): | Neurology and |

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| | Pathology |
| Total | 20,000 |

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: | AMC, small group discussions/rounds with Radiation Oncology group, once/week. | 1 hour/week |

The Physics of:

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| Diagnostic Radiology: | RAD210: Introduction to Radiology Physics, Cornell Weill Medical Center | 6 hr course credit for medical students |
| Nuclear Medicine: | Nuclear Medicine Short Course, U. of Tennessee | 3-4 day course |
| Ultrasonography: | N/A | |
| CT: | N/A | |
| MRI: | N/A | |
| <p>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.</p> <p>Ultrasound, CT, and MRI physics and basic concepts are discussed as small groups. Dr. Pownder's recent fellowship in musculoskeletal MRI has proven crucial for resident (and staff!) training, particularly with regards to sequence selection and physics.</p> | | |

IX. Research Environment:

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| <p>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?</p> <p>Anthony Fischetti: ~15 peer reviewed publications</p> <p>Peter Scrivani: ~30 peer reviewed publications</p> <p>Ned Dykes: ~20 peer reviewed publications</p> |
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| Amy Yeager: ~ 10 peer reviewed publications |
| What is the number of publications/submissions expected of a resident completing the program? At least one. |
| If this is an established program, what percentage of residents have made formal research presentations at the annual ACVR or equivalent national meeting? None. This is a new collaborative residency. Cornell-only residents have presented consistently however. Additionally, an AMC internal medicine resident has presented at ACVR once in the past 5 years. We plan to have our current residents present over the next 2 years. |
| Is an advanced degree a requirement of the training program? No |

X. Educational Environment:

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| How many lectures or scientific presentations are expected of each resident during the course of their training? 2 lectures per year (referring veterinarian CE, interns/residents) At least one scientific presentation, namely at ACVR meeting |
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XI. Evaluation:

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| During the program how often is resident performance evaluated in writing? Once every 6 months. See attached evaluation. |
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XII. Teaching File:

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| What is the nature and scope of the teaching file available to residents? “Radiographs of Interest” are on our server. There are over 500. Cornell has a similar system, with easier search engine. |
| How is it maintained/updated? Every day, cases are added to our teaching server. |

XIII. Conferences:

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| On average how many Known Case Conferences are conducted annually? At AMC, KCC is formally conducted 3 times/month (36 KCC sessions per year). |
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XIV. Literature resources:

What is the geographic relationship between the nearest medical library and the training program?
 CornellWeill Medical Library, 3 blocks away.
 AMC and Cornell (Ithaca) have their own veterinary libraries.

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.

THIS IS A NEW PROGRAM... I do not have this information.

| | Year 5 | Year 4 | Year 3 | Year 2 | Year 1 |
|---------------------------------------------------|--------|--------|--------|--------|--------|
| Passed preliminary exam 1st time | | | | | |
| Passed prelim exam 2 nd time | | | | | |
| Passed prelim after 2 nd time | | | | | |
| Passed certifying exam 1 st time | | | | | |
| Passed certifying exam 2 nd time | | | | | |
| 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.

At AMC, the resident is expected to have 10 radiology cases completed by 10:30 AM, 5 days per week. After 10:30 AM, if the resident is on radiology (3 days per week), he/she are expected to have at least 10 cases completed by 5 PM for additional review/rounding.

Institution Name

Date

If the resident is on ultrasound, he/she will perform initial exams with close monitoring by an ACVR diplomate. The resident will perform approximately 10 cases ultrasound days. CT/MRI reports are also generated by all residents, generally 1-5 per week (a much smaller percentage than the caseload).

Emergency duty is as follows: The resident shares overnight and weekend coverage for MRI. This responsibility is shared with 2-3 neurology residents. Emergency MRI is mainly with regards to acute myelopathy.

See attached for the Cornell schedule.