

Cardiology

New applications for ACVIM Residency Training Programs must be received by the Residency Training Committee (RTC) 90 days prior to any residents beginning training. Before completing this form, please review the general and specific requirements for Neurology Residency Training Programs in the ACVIM Certification Manual (CM). The current version of the CM is available on the ACVIM website at www.ACVIM.org.

Prior to making significant changes in a Residency Training Program, approval of the ACVIM and Oncology RTC must be obtained. The Candidate and/or Program Director must notify ACVIM, in writing before the changes are made to ensure that the proposed changes are approved. Significant changes could include, but are not limited to the following: changes in Program Director or advisors, transferring from one program to another, alterations in program duration, locations of secondary site training, switching to a 'dual board' program, or enrolling in an institutional graduate program.

The Cardiology Residency Training Committee may require supporting evidence for any statements made below. At the time of annual program renewal, Program Directors may be asked to verify resident activities, including satisfactory clinical training, interaction with consultants, and documentation of study and education participation.

Notice: The data collected in this form is necessary both for the ACVIM to maintain its accreditation as a Registered Veterinary Specialty Organization and also is required for renewal of the residency training program. Some of the data collected is required of every specialty and some is specific to the specialty of Cardiology. These questions will be used to provide the Residency Training Committee with information needed to judge the structure, quality, scope, and consistency of training provided.

1. Current Date: March 1, 2020

2. Program Director's Name: George Kramer

The Program Director must be a Diplomate of ACVIM in the Specialty of Cardiology or an approved ECVIM Diplomate in Cardiology

3. Program Director's Contact Information:

Work Phone: 6312857780

Cell Phone: 5169031254

Email: gkramer@atlanticcoastvet.com

Mailing Address: 3250 Veterans Highway

4. Location of Sponsoring Institution (Primary Site of Residency Training Program): Atlantic Coast Veterinary Specialists

5. Length of Training Program (in years): 3

Comments:

6. Is this a traditional or non-traditional residency training program?

Traditional

For non-traditional programs, please provide details:

7. Residents currently participating in your training program, along with the beginning date of the program, expected ending date of the program, and designated resident advisor.

All current residents and incoming residents (if known) should be listed here.

Resident Name(s) (first/last)	Length of Program (in years)	Program Start Date (mm/dd/yyyy)	Program End Date (mm/dd/yyyy)	Resident Advisor Name (first/last)
Nikki Gaudett	3	07/01/2017	06/30/2020	George Kramer
Kevin Schabbing	3	07/01/2020	06/30/2023	George Kramer

Unless specifically approved, in advance, by the CRTA, the ratio of cardiology residents to on-site Cardiology Diplomates who are actively involved in resident training cannot exceed 2 to 1.

9. Resident Advisor(s)

George Kramer

Must be a Diplomate of ACVIM in the Specialty of Cardiology or an approved ECVIM Diplomate in Cardiology. There is no restriction on the number of Resident Advisors; however, each Resident Advisor can supervise up to two residents concurrently.

10. Supervising Diplomates on site:

George Kramer

Brienne Williams

Must be an active Diplomate of ACVIM in the Specialty of Cardiology or an approved ECVIM Diplomate in Cardiology.

11. Diplomates of ACVIM responsible for supervision of clinical training who specialize in areas other than Cardiology.

If off-site, please explain the situation, and the method of providing direct contact with the resident

Name	Specialty	Comments
Deborah Trainor	SAIM	
Josephine McKnight	Oncology	
Robert Bergman	Neurology	

12. Please list all Diplomates of the American College of Veterinary Pathology and the European College of Veterinary Pathology in the areas of clinical pathology or gross/histopathology associated with residency training.

If off-site, please explain the situation, and the method of providing direct contact with the resident.

Name of Diplomate(s)	Clinical or Gross	ACVP or ECVP	Comments
April Paulman	Gross and histopathology	ACVP	She is off-site and our contracted pathologist for our research projects. She will review gross and histopathologic findings with or residents on research cases as well as on selected clinical cases.

13. Please list all Diplomates of the American College of Veterinary Radiology and European College of Veterinary Diagnostic Imaging associated with residency training.

If off-site, please explain the situation, and the arrangements for direct contact with the resident.

Name of Diplomate(s)	ACVR or ECVDI	Comments
Joseph Stefanacci	ACVR	He is off-site and will review all our cardiac CT and MRI studies with the residents remotely as well as chest radiographs on unusual clinical cases (most chest radiographs are read exclusively by our cardiology service).

14. Please list all Diplomates of the American College or equivalent European colleges of Dermatology, Surgery, Ophthalmology, Anesthesiology, ECC, clinical nutrition, clinical pharmacology, and/or theriogenology associated with residency training

If off-site, please explain the situation and the arrangements provided for contact with the resident.

Name of Diplomate(s)	Specialty	Comments
Jeffery Seaman	Surgery	

15. Please indicate the availability of the following facilities or equipment. Indicate if these are available on-site at

the primary training site, or at a different location. (In the Location column, indicate on-site for primary location or the name of the facility where the equipment is located if off-site.) For facilities that are not on-site, please describe the situation and availability in the space at the end of this section. See CM 5.D for details.

	Available?	Location of equipment?
a) Blood pressure equipment (must be on site)	Yes	on-site
b) Cardiac catheterization capability (must be on-site)	Yes	on-site
c) Echocardiography equipment (must be on-site)	Yes	on-site
d) Fluoroscopy (must be on site)	Yes	on-site
e) Pacemaker interrogation (must be on site or available off-site)	Yes	on-site
f) Standard radiological equipment (must be on-site)	Yes	on-site
g) Electrocardiography (must be on-site)	Yes	on-site
h) Brainstem Auditory Evoked Response Equipment	Yes	on-site
i) Clinical Pathology capabilities: (includes CBC, serum chemistries, blood gases, urinalysis, cytology, parasitology, microbiology, endocrinology, anatomic and histopathology)	Yes	on-site
j) Colloid oncotic pressure measurement	No	
k) Computed Tomography	Yes	on-site
l) Electroencephalography	Yes	on-site
m) Electromyography	Yes	on-site
n) Endoscopy equipment		
GI equipment	Yes	on-site
Bronchoscopy	Yes	on-site
Cystoscopy	Yes	on-site
Rhinoscopy	Yes	on-site
Laparoscopy	Yes	on-site
o) Hemodialysis capability	No	
p) Intensive Care Facility – 24 hours	Yes	on-site
q) Magnetic Resonance Imaging	Yes	on-site
r) Nuclear Medicine [access is desirable]	Yes	off-site
s) Radiation Therapy Facility	No	
t) Serum osmolality measurement	Yes	on-site
u) Total parenteral nutrition capability	Yes	on-site
v) Ultra sonographic equipment	Yes	on-site
w) Urethral pressure profile & cystometrography	No	
x) Computerized Medical Records w/Searching Capabilities	Yes	on-site
y) Medical Library w/Literature Searching Capabilities	Yes	on-site

z) Veterinary Library w/Literature Searching Capabilities	Yes	on-site
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If any of the above equipment or facilities are available off-site, please explain how the resident can access them for case management, research, or study:

Nuclear Medicine: We partner with a local equine referral facility for nuclear medicine capabilities. The gamma camera is operated by EquiScan at the equine hospital, and we transport our patients to that facility as needed. The resident will have direct involvement in cases that are scanned there.

16. Clinical caseload information (this information should reflect the caseload of the prior 12 months at the primary site)

Total Cardiology case load per year:	3500
Number of echocardiographic examinations per year:	2800
Number of cardiac catheterizations per year:	30

17. Didactic Learning Opportunities and Research Requirements: In recognition of the importance of scientific discovery as a critical mission of the ACVIM, all Residency Training Programs shall include an assessment period or instruction and/or participation in creative scholarship which will foster an appreciation of, competency in, and contribution to the knowledge base of their respective specialty and which will support their development as clinician scientists. This requirement is fulfilled through satisfactory completion of A, B and one of C [See CM 5.E and 5.F]:

A. Journal Club: Critical review of literature, minimum of eighty (80) hours during the program.

Describe how this requirement is met or exceeded:

The resident will be attending 45 weekly journal clubs each year of the residency.

B. Cardiology-focused Educational Experiences: Minimum of one hundred fifty (150) hours during the program.

Describe how this requirement is met or exceeded. [See CM 5.E.2]

The resident will attend 40 weekly hour-long cardiology conferences held at Atlantic Coast Veterinary Specialists each year of the residency. There will be an additional 50 hours of cardiology focused Journal Club (in addition to the general 80-hour requirement).

C. Successful completion of any one of the options listed below.

Describe how this will be fulfilled or exceeded in the individual trainee's specific application:

The resident will fulfill the research requirement by designing and carrying out a research study from a list of possible studies supplied by the supervising Diplomate. Progress on the study will be closely monitored by the supervising Diplomate. Satisfactory completion of the project will be documented via a letter to the RTC. Completion of the study will also be verified by submission of an abstract to ACVIM.

1. Successful completion of at least two (2) of the following three (3) short courses/workshops offered by ACVIM either on-line or at the Forum:
 - A. Critical evaluation of veterinary medical/biomedical literature
 - B. Grant Writing
 - C. Study, design and participation in clinical trials
2. Documented submission of a grant proposal (by advisor letter)
3. Acceptance and presentation at a scientific meeting of an abstract (oral or poster) of original work
4. Documented completion (by advisor letter) of a prospective or retrospective research program pertinent to the candidate's specialty

5. Documented completion (by advisor letter) of graduate course work in biostatistics, research methods, and/or research ethics.

Note: Letters of documentation by advisors will need to accompany the final submission of the Resident Logs to the Residency Training Committee in order to qualify for a resident certificate.

Submission of RTP Application/Renewal:

Please note, any Program Director or Candidate that significantly changes or alters this Residency Training Program before completion must notify ACVIM, in writing, before the changes are made to ensure that the proposed changes are approved.

Significant changes could include, but are not limited to:

- transferring from one program to another
- alterations in program duration
- switching to a 'dual board' program
- enrolling in an institutional graduate program
- change of Program Director or Resident Advisor

As Program Director, I verify that the above information is an accurate reflection of this Residency Training Program.

Per the Certification Manual, each year, the Program Director must certify to the RTC/ RTCC and ACVIM, in writing, that they have read the ACVIM Certification Manual and understands their role in residency training.

Checking this box is an indication I have read the ACVIM Certification Manual and understand my role in Residency Training Program.