



RESIDENCY TRAINING PROGRAM REGISTRATION
2019-2020
CARDIOLOGY

Part One

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 Cardiology 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 Cardiology 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.

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.

For multi-site residency programs: To ensure uniformity of training and compliance with current CM requirements, training programs that include multiple sites must provide detailed information regarding supervision and facilities available at each specific site(s). Multi-site programs, if any, will be addressed by the Program Director in Part Two.

Program Director Name:

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

Program Director's Contact Information:

Work Phone:	<input type="text" value="(410) 339-3461"/>
Mobile Phone:	<input type="text"/>
E-mail:	<input type="text" value="steven.rosenthal@cvcavets.com"/>
Mailing Address:	<input type="text" value="1209 Cromwell Bridge Road
Towson, MD 21286"/>

1. Location of Sponsoring Institution (Primary Site of Residency Training Program):

Primary Site Location:	Length of Training Program:
<input type="text" value="CVCA Cardiac Care for Pets"/>	<input type="text" value="3 year"/>

2. Resident Advisor(s): 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.

<input type="text" value="Steven Rosenthal
William Tyrell
Neal Peckens
Richard Cober
Emily Westphal"/>
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3. Supervising Diplomate(s) on-site: Must be an active Diplomate of ACVIM in the Specialty of Cardiology or an approved ECVIM Diplomate in Cardiology.

<input type="text" value="Timothy Cain - Cardiology"/>
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Bonnie Lefbom - Cardiology
 Kristin Jacob - Cardiology
 Steven Rosenthal - Cardiology
 Willaim Tyrell - Cardiology
 Jennifer Sidley - Cardiology
 Gina Pasioka - Cardiology
 Jess Weidman - Cardiology
 Neal Peckins - Cardiology
 Richard Co

4. 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 and Specialty	Comments
John McDonnell - Neurology Joli Jarboe - Neurology William Bush - Neurology Michael Higginbotham - Neurology Lauren Talarico - Neurology Nicholas Archambault - Neurology Laura Harvey - Neurology Chand Khanna - Oncology Janet Peterson - Oncology Sarah Shea	

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

Resident Name	Start date (mm/dd/yyyy)	End Date (mm/dd/yyyy)	Resident Advisor Name*
Brett Boorstin	7.1.17 - 7.1.20		(William Tyrell)
Matt Boothe	7.16.18 - 7.1.21		(Richard Cober)
Stephanie Savino	7.16.18 - 7.16.21		(Neal Peckens)
Jennifer Welter	7.29.29 - 7.29.2022		(William Tyrell)



American College of **Veterinary** Internal Medicine

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Part Two

Part Two of the Cardiology Residency Training Program addresses general features that apply to all current residents. These questions will be used to provide the Residency Training and Credentials Committees with information needed to judge the structure, quality, scope, and consistency of training provided. (Part Three must be completed and submitted for each resident.)

Current Date:

Program Director Name:

(Must be a Diplomate of ACVIM in the Specialty of Cardiology or an approved ECVIM Diplomate in Cardiology)

Name of Sponsoring Institution (Residency Training Program):

1. 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
None on Site			

2. 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
Matthew Peak	DACVR	Annapolis,, Towson and Columbia Locations
Cynthia Sloan	DACVR	Fairfax Location
Matthew Nelson	DACVR	Fairfax
Megan Bounds	DACVR	Vienna Location
Deborah L'Heureux	DACVR	Fairfax

3. 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
Joseph Prostedny	Surgery	Annapolis
Krista Evans	Surgery	Annapolis
Darren Roa	Surgery	Annapolis
Matthew Keats	Surgery	Columbia
Brendan Anders	Surgery	Towson

Richard Burgess	Surgery	Annapolis
Sakthila Jeyakumar	Surgery	Towon
Daniel Balogh	Surgery	Fairfax
Susan Blades Golubovic	ECC	Fairfax
Daneil Brehm	Surgery	Fairfax
Nancy Bromberg	Ophthalmology	Fairfax
Jeffery Norton	Surgery	Fairfax
Sara Vachher	ECC	Vienna
Anke Langenbach	Surgery	Leesburg
Jim Taylor	Surgery	Leesburg
Julie Hawthorne	Surgery	Vienna
Justin Ganjei	Surgery	Vienna
Elizabeth Arthur	Surgery	Richmond
Roy Barnes	Surgery	Richmond
Todd Hamilton	Surgery	Richmond
Richard Suess	Surgery	Gaithersburg
Eileen Snakard	Surgery	Gaithersburg
Mariana Crumley	Anesthesia	Gaithersburg
Bil Crumley	Ophthalmology	Richmond VA
Emma Evans	ECC	Towson, Columbia
Tanya Tag	ECC	Leesburg
Poly Glover	ECC	Leesburg
Melissa Edwards	ECC	Towson
Ira Luskin	Dentistry	Towson
Mary Volker	Dentistry	Leesburg
Mary Buelow	Dentistry	Leesburg
Bruce Hansen	Dermatology	Vienna
Elizabeth Adkins	Ophthalmology	Annapolis
Jennifer Hyman	Ophthalmology	

4. 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? (On-site or list site name)
	Yes	No	
a) Blood pressure equipment (must be on site)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	on site
b) Cardiac catheterization capability (must be on-site)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	on site
c) Echocardiography equipment (must be on-site)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	on site
d) Fluoroscopy (must be on site)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	on site
e) Pacemaker interrogation (must be on site or available off-site)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	on site
f) Standard radiological equipment (must be on-site)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	on site
g) Electrocardiography (must be on-site)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	on site
hi) Brainstem Auditory Evoked Response Equipment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	on site
i) Clinical Pathology capabilities: (includes CBC, serum chemistries, blood gases, urinalysis, cytology, parasitology, microbiology, endocrinology, anatomic and histopathology)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	on site
j) Colloid oncotic pressure measurement	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
k) Computed Tomography	<input checked="" type="checkbox"/>	<input type="checkbox"/>	on site
l) Electroencephalography	<input checked="" type="checkbox"/>	<input type="checkbox"/>	on site
m) Electromyography	<input checked="" type="checkbox"/>	<input type="checkbox"/>	on site

n) Endoscopy equipment			
GI equipment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	on site
Bronchoscopy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	on site
Cystoscopy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	on site
Rhinoscopy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	on site
Laparoscopy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	on site
o) Hemodialysis capability	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
p) Intensive Care Facility – 24 hours	<input checked="" type="checkbox"/>	<input type="checkbox"/>	on site
q) Magnetic Resonance Imaging	<input checked="" type="checkbox"/>	<input type="checkbox"/>	on site
r) Nuclear Medicine [access is desirable]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
s) Radiation Therapy Facility	<input checked="" type="checkbox"/>	<input type="checkbox"/>	on site
t) Serum osmolality measurement	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
u) Total parenteral nutrition capability	<input checked="" type="checkbox"/>	<input type="checkbox"/>	on site
v) Ultra sonographic equipment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	on site
w) Urethral pressure profile & cystometrography	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
x) Computerized Medical Records w/Searching Capabilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	on site
y) Medical Library w/Literature Searching Capabilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	also access to local universities and hospitals
z) Veterinary Library w/Literature Searching Capabilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	on site

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.

Veterinary library is available on site, subscriptions to veterinary and some human cardiac journals available to doctors and residents, Access to the National Library of Medicine as well as University of Maryland Medical School, VA Tech Library, other local medical facilities collaborative agreement with Virginia Maryland Regional College of Veterinary Medicine

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

Total Cardiology caseload per year:	~15000
Number of echocardiographic examinations per year:	
6. Number of cardiac catheterizations per year:	40

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.

Weekly CVCA Cardiology Conference call with all doctors of CVCA with a rotation between journal club and case/EKG rounds
 Access to Journal club at Vienna, Columbia and Towson Locations
 Every other week prior to journal club EKG of the month review for 30 minutes

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]

See above
 In addition, approximately once a month, a 2-3 hour lecture on a rotating cardiology topic will be presented by one of the CVCA board certified doctors with associated text book chapter and journal readings will be presented to the residents.
 Residents will attend ACVIM forum during all the years of their program
 Residents will have the opportunity to attend select additional ACVIM sponsored programs as available/offered

- 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.
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.

Each CVCA resident will be involved in a prospective or retrospective research project as well as be involved in collaborative research projects / studies in which CVCA is involved or through our collaborative research network with the VA MD College of Veterinary Medicine. Abstracts of these projects are encouraged to be presented at the ACVIM Forum. Short courses and workshops at the ACVIM forum will be encouraged as well. There are several ongoing studies undergoing with our current residents.

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.

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 I have read the Certification Manual and that the above information is an accurate reflection of this Residency Training Program.