



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: Dr. Lora S. Hitchcock

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:	(330) 666-2976
Mobile Phone:	
E-mail:	terp91hitch@aol.com
Mailing Address:	1053 S. Cleveland-Massillon Rd. Akron, OH 44321

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

Primary Site Location:	Length of Training Program:
Metropolitan Veterinary Hospital	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.**

Lora Hitchcock

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.

Lora Hitchcock - Cardiology

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

Todd Axlund - Neurology BrieAnne Mauser - Neurology Rance Gamblin - Oncology J. Turner - SAIM Gregory Chambers - SAIM Julie Stanton - SAIM	
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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*
None listed			



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: February 17, 2019

Program Director Name: Lora S. Hitchcock, DVM, DACVIM (Cardiology)

(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): Metropolitan Veterinary Hospital

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
Idexx Laboratories	both		Idexx has an on-site clinical pathology laboratory, but no resident on-site clinical pathologist. The cardiology resident has the opportunity to spend half-day to day long sessions with the pathologists at the Columbus Idexx facility once to twice yearly

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
Idexx Teleradiology		Idexx radiologists provide 24 hour radiographic interpretation from remote sites. They are available to discuss any case by phone at any time.

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
Sheldon Padgett, DACVS	Soft tissue surgery	on-site
Mark Daye, DACVS	Orthopedic surgery	on-site
Josh Collins, DACVS	General surgery	on-site

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 type="checkbox"/>	<input checked="" type="checkbox"/>	
i) Clinical Pathology capabilities: (includes CBC, serum chemistries, blood gases, urinalysis, cytology, parasitology, microbiology, endocrinology, anatomic and histopathology)	<input type="checkbox"/>	<input type="checkbox"/>	On-site, cytology, microbiology, and anatomic and histopathology off-site through Idexx
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 type="checkbox"/>	<input checked="" type="checkbox"/>	
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 type="checkbox"/>	<input checked="" type="checkbox"/>	
s) Radiation Therapy Facility	<input type="checkbox"/>	<input checked="" type="checkbox"/>	We have an established relationship with MedVet Columbus for

- t) Serum osmolality measurement
- u) Total parenteral nutrition capability
- v) Ultra sonographic equipment
- w) Urethral pressure profile & cystometry
- x) Computerized Medical Records w/Searching Capabilities
- y) Medical Library w/Literature Searching Capabilities

		standard radiation therapy and a facility in Cincinnati for stereotactic radiation
<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	on-site
<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Texas A & M library system is available through ACVIM reciprocity
<input checked="" type="checkbox"/>	<input type="checkbox"/>	

- z) Veterinary Library w/Literature Searching Capabilities

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.

Idexx laboratory has a satellite office in the basement of our hospital. Any clinical pathology not available through the on-site laboratory is sent to Idexx Laboratories in Columbus, OH with the exception of certain specialized tests such as thyroid panels (Michigan State), infectious disease panels (North Carolina, Galaxy Diagnostics), GI panels (Texas A&M), and taurine levels (UCDavis) which are submitted directly to the relevant laboratory.

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

Total Cardiology caseload per year:

2918, 940 echoes

Number of echocardiographic examinations per year:

6. Number of cardiac catheterizations per year:

7-10

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.

Journal clubs are led by Cardiology, Surgery, and Neurology/Neurosurgery Services on a regular basis. Cardiology didactic rounds/book club is held every Monday and periodically at other times during the week either on a scheduled or impromptu basis. Intern rounds taught by specialists in the hospital are offered on Monday and Friday mornings 6-7 times per month and cover a variety of topics. There are Grand Rounds presented by the house officers (each intern and resident is responsible for presenting) in the springtime.

- 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]

One hour per week is dedicated to a Cardiology Book/Journal Club. Additional cardiology focused didactic lectures open to all house officers and required for interns and the cardiology resident are scheduled as a mini-course of 6-8 lectures each fall. ECG rounds, topical rounds (e.g. review of specialized diagnostic studies such as catheter tracings, pressure-volume loops, ladder diagrams, the Wiggers diagram, etc.), and other in-depth case discussions are held on both a scheduled and impromptu basis. The Cardiology Service participates in monthly ClinPath conferences presenting cardiology cases several times a year. We have an open invitation to the Cath Conference at Rainbow Babies in Cleveland which is held weekly and attend whenever possible.

- 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.

The resident will attend the ACVIM Forum at least twice during the residency program and have the opportunity to complete the workshops in 1 above. In addition, the resident will be expected to complete either a prospective or retrospective research project during the residency and is encouraged (though not required) to present the results at a scientific meeting. If necessary for a prospective study, the resident will submit a grant proposal for funding.

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.