



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="(614) 431-4405"/>
Mobile Phone:	<input type="text"/>
E-mail:	<input type="text" value="thaibinh.nguyenba@gmail.com"/>
Mailing Address:	<input type="text" value="300 E. Wilson Bridge Rd.
Worthington, OH 43085"/>

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

Primary Site Location:	Length of Training Program:
<input type="text" value="Medvet Medical & Cancer Center 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="Thaibinh Nguyenba
Ioannis Giatis
Linda Lehmkuhl
Brent Aona"/>

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="Linda Lehmkuhl - Cardiology"/>
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Thaibinh Nguyenba - Cardiology
 Ioannis Giatis - Cardiology
 Brent Aona - 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
Amanda Taylor - Neurology Mathew Lovett - Neurology Sasha Dixon - Neurology Lisa Fulton - Oncology Erin Malone - Oncology Melissa Wallace - SAIM Roger Hostutler - SAIM Stephen Martinez - SAIM Melissa Clark - SAIM	

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 CRTCC, 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*
Kimberly Cook Dana Rucinski	7.9.18 7.15.19	7.9.21 7.17.22	(Thaibinh Nguyenba) (Brent Aona)



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 20, 2019

Program Director Name: Thaibinh Nguyenba 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): MedVet Medical & Cancer Centers for Pets (Worthington, OH)
Cardiology Residency 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
Melissa Blauvelt	Clinical	ACVP	All pathologists are affiliated with IDEXX Laboratories, located within second MedVet building (an administrative building), adjacent to primary hospital building. Face-to-face interactions & consultations occur daily regarding cases. A pathologist provides monthly clinical pathology rounds to all MedVet interns/residents.
Stephanie Corn	Clinical	ACVP	See above comments
Holly Minard	Clinical	ACVP	See above comments

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
Jon Shiroma	ACVR	
Adam Watson	ACVR	

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
John Gordon Natalie Theus	Dermatology Dermatology	
Matt Barnhart Kevin Benjamino Jennifer Carr Robert Dudley Shawn Kennedy Eric Schertel	Surgery Surgery Surgery Surgery Surgery Surgery	
Terah Webb Denise Radkey Matt Reed Deborah Prescott Heather Lasher Melissa Clark	Ophthalmology Anesthesiology Anesthesiology Radiation Oncology Radiation Oncology Clinical Pharmacology	
Rachel Halpin	Emergency/CC	Critical Care support provided by MedVet Cincinnati criticalist with continuous availability for case review and consultations.
Barbara Oglesbee	Avian/Exotic	Avian and Exotic support provided by Dr. Oglesbee at MedVet Hilliard, Ohio location, approximately 16 miles from primary training site. Regular daily communication and transport occurs between the two MedVet practices in Hilliard and Worthington, Ohio. Regular cardiac consultation is provided for Dr. Oglesbee, who commutes to the Worthington branch with her patients during the consultation.

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 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"/>	On-site
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 & cystometry	<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 checked="" type="checkbox"/>	MedVet collection + OSU Medical School Libraries
z) Veterinary Library w/Literature Searching Capabilities	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MedVet institutional access licence + OSU Veterinary School Libraries

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.

- Supplemental library access at medical and veterinary school is within 20 minutes from primary training site.
 - IDEXX Laboratories partners with MedVet to provide clinical pathology capabilities on-site at the MedVet Worthington, OH complex within the administrative building, adjacent to the hospital building

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

Total Cardiology caseload per year:

3500 cases/year
2000 Echocardiograms/year

6. Number of echocardiographic examinations per year:

Number of cardiac catheterizations per year:

30-40 procedures/year

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.

- 1) Internal Medicine Journal/Book Club: 1 hour/week available - approximately 10-20 hours/year likely*
- 2) Grand Rounds: 1 hour every 2 weeks - 20-25 hours/year
- 3) Clinical Pathology Rounds: 1 hour monthly - 12 hours/year
- 4) Morbidity & Mortality Rounds: 1 hour monthly available - 1-2 hours/year likely
- 5) Specialty Seminars (Internal Medicine, Neurology, Oncology, etc): Variable availability - 3-4 hours/year

*Greater frequency of Internal Medicine Journal/Book Club intended during second year to aid with General Examination preparation

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]

- 1) Cardiology Journal Club: 1 hour weekly - at least 45 hours/year; 135 hours/program

- 2) Cardiology Book Club: 2 hours monthly - 24 hours/year; 72 hours/program
- 3) Cardiology Image Rounds: 1 hour weekly - at least 45 hours/year; 135 hours/program
- 4) Cardiology Case Report Review: 0.5 hour weekly - 24 hours/year; 72 hours/program
- 5) Cardiology Great Cases: 1 hour every 2 months - 6 hours/year; 18 hours/program
- 6) Hospital ECG Rounds: 1 hour every 2 months - 6 hours/year; 18 hours/program

- 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.

All residents have completed original research. Since 2009, this has included completion of both prospective and retrospective research, submission of grants, acceptance and presentation of oral abstracts, and manuscript publication.

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.