RESIDENCY IN SMALL ANIMAL EMERGENCY AND CRITICAL CARE

Louisiana State University

School of Veterinary Medicine

Department of Veterinary Clinical Sciences

Veterinary Teaching Hospital

Created July 2018

TABLE OF CONTENTS

1.0 Introduction

2.0 Objectives

3.0 Prerequisites

4.0 Faculty Mentor

5.0 House Officer Rounds and Seminar Program

6.0 Teaching Program

7.0 Board Certification

8.0 Clinical Program

9.0 Research Project

10.0 Graduate Program

11.0 Additional Objectives

12.0 Evaluation and Reappointment

13.0 House Officer Committee

14.0 Employment and Benefits

15.0 Application Procedure

16.0 Appendices

- **16.1** House Officer Rounds Evaluation Form
- **16.2** VCS Seminar Evaluation Form
- **16.3** House Officer Leave Request
- **16.4** House Officer Block Evaluation Form

RESIDENCY PROGRAM
IN
SMALL ANIMAL EMERGENCY AND CRITICAL CARE

Louisiana State University
School of Veterinary Medicine
Department of Veterinary Clinical Sciences
Veterinary Teaching Hospital

1.0 INTRODUCTION

1.1 The Small Animal Emergency and Critical Care Residency at Louisiana State University School of Veterinary Medicine (SVM) is designed to provide three years of intensive post-DVM training in the discipline of Veterinary Emergency and Critical Care. The residency will fulfill the training requirements for certification by the American College of Veterinary Emergency and Critical Care. The training program will use primarily faculty from the Emergency and Critical Care Service in the Department of Veterinary Clinical Sciences as mentors. Clinical facilities of the Veterinary Teaching Hospital (VTH) will be the primary training location.

2.0 OBJECTIVES

2.1 To provide advanced training in clinical problem solving and diagnostic and therapeutic techniques in small animal emergency and critical care medicine.

2.2 To provide didactic and tutorial teaching training and experience.

2.3 To satisfy the training requirements set forth by the American College of Veterinary Emergency and Critical Care (ACVECC).

2.4 To provide experience in scientific and clinical case presentation through the seminar and house officer rounds programs.

2.5 To provide experience in the preparation and submission of scientific manuscripts for publication and/or presentation.

2.6 To provide experience in designing and conducting a clinical research project.

3.0 PREREQUISITES

3.1 Candidates must have a DVM or equivalent degree.

3.2 Candidates must have satisfactorily completed at least a one year rotating small animal internship or equivalent post-graduate veterinary experience.

3.3 Candidates should have successfully completed the North American Veterinary Licensing Examination (NAVLE) or its equivalent in the certifying country.

3.4 Candidates must have the goal of board certification by the American College of Veterinary Emergency and Critical Care.

4.0 FACULTY MENTOR

4.1 The resident will be assigned a faculty mentor who has diplomate status in the American College of Veterinary Emergency and Critical Care. The responsibilities of the mentor include the direction and coordination of the clinical program, advise on research and publications, preparation for specialty board examinations, and general counseling.

5.0 HOUSE OFFICER ROUNDS AND SEMINAR PROGRAM

5.1 The House Officer Rounds are designed to provide the resident the opportunity to receive and present interesting, unusual, or difficult clinical case material to professional colleagues utilizing a problem-oriented approach. The resident will participate with other VCS house officers on a rotating basis and will make at least 2 presentations during each year of the program. Residents have the option to present 1 case report and 1 seminar or to do two seminars each year (see seminar description below).

5.2 The House Officer Seminar series is designed to provide the resident with the opportunity to research and present scientific material to professional colleagues.

5.3 One seminar topic will relate to original research conducted by the resident.

5.4 Attendance: The resident is required to attend and participate in the following: House Officer Seminar Series, Grand Rounds, and additional seminars specific to the Resident's home department and/or section.

5.4.1 VCS HO Rounds/Seminar Policy

5.4.1.1 HO attendance at all HO Rounds/Seminar sessions is required. HO attendance is required at only those rounds and seminars designated as VCS HO Rounds/Seminar sessions and that others occurring in the same time slot are not required by the House Officer Committee.

5.4.1.2 Attendance will be taken at the beginning of each session.

5.4.1.3 HO will be required to present an additional seminar if they have more than one unexcused absence during the

program year.

5.4.1.4 All absences must be accounted for by completing a HO Leave Request Form and submitting it to the HOC chair.

5.4.1.5 Excused absences include the following: illness, annual leave, attendance or participation in a continuing education program, presentation of a student lecture, scheduled out-rotation or special service requirements per request of advisor. All other absences are unexcused unless deemed excusable by the HO advisor.

5.5 Evaluations of House Officer Rounds and House Officer Seminar presentations will be provided by those in attendance.

6.0 TEACHING PROGRAM

6.1 Throughout the residency program, the resident will function as a role model for both interns and students in the DVM program.

6.2 The resident will participate in the clinical instruction and evaluation of Phase II veterinary students assigned to the Emergency and Critical Care Services.

6.3 The resident will participate in preclinical didactic lecture and laboratory instruction as assigned by his/her mentor.

7.0 BOARD CERTIFICATION

7.1 An important credential in veterinary medicine is board certification in a specialty area. One of the objectives of the program is to prepare the resident for certification by the American College of Veterinary Emergency and Critical Care in the Specialty of Small Animal Emergency and Critical Care.

7.2 In order to qualify for examination, the resident should refer to the published requirements of the ACVECC. They can be found on the ACVECC website (www.acvecc.org).

7.3 It is solely the responsibility of the resident to timely submit any material and fees required by the college for registration for board examinations.

8.0 CLINICAL PROGRAM

8.1 **<u>Year I resident's program</u>**

8.1.1 During the first year of the program, the resident will spend 30 weeks in the Emergency and Critical Care service, and 2 weeks in each of the following services: internal medicine, surgery, cardiology and ophthalmology. The resident will have an additional

10 weeks of independent study that will be utilized for either scholarly activity (research proposal preparation, seminar preparation, publication) or additional clinic time. The resident will have 4 weeks of annual leave.

8.1.2 Cases from the Emergency and Critical Care service will be assigned to the resident at the discretion of the faculty mentor.

8.1.3 The resident will function as a veterinary emergency and critical care resident in the VTH with direct supervision and guidance from faculty in the diagnosis, treatment, and care of emergency and critical care cases. The goal of this training will be to develop problem-oriented skills in small animal emergency and critical care medicine.

8.1.4 The resident will participate in the instruction of Phase II students and interns. Participation in SVM student lectures and laboratories will be assigned by faculty mentors.

8.1.5 The resident will participate in house officer rounds, service rounds, journal clubs, special topic conferences, seminars, and other scheduled conferences of the VTH. The resident will attend other scheduled seminars in the SVM as time permits.

8.1.6 The resident is encouraged to attend and participate in continuing education meetings sponsored by the SVM or by local and regional veterinary organizations.

8.1.7 The resident will prepare a research proposal and review it with his/her faculty mentor, and may submit it for funding consideration.

8.1.8 The resident will present 2 seminars, or one case report and one seminar on topics of interest to faculty and house officers.

8.1.9 The resident may attend rounds and seminars at local human hospitals, LSU Medical College unit, as time permits.

8.1.10 The resident may, with the approval of the resident's mentor, participate in clinically relevant graduate courses. Course work must not interfere with the clinical and instructional responsibilities of the resident.

8.1.11 The resident must register with the ACVECC within 30 days of beginning the program at LSU.

8.1.12 The resident is required to give at least 3 hours of didactic instruction in courses offered to veterinary students and interns.

8.1.13 The resident will attend one major professional meeting during each year of the resident's program (expected to be IVECCs for

most residents, but include ACVIM, Intensive Care Society or Society of Critical Care Medicine) with the advice and approval of his/her faculty mentor. Expenses will be paid by the resident. The meeting should be scheduled during a nonclinical block.

8.2 Year II resident's program

8.2.1 During the second year of the program, the resident will spend 30 weeks in the Emergency and Critical Care service, and 2 weeks in each of the following services: internal medicine, surgery, anesthesia and diagnostic imaging. The resident will have an additional 10 weeks of independent study that will be utilized for either scholarly activity (research, seminar preparation, publication) or additional clinic time. The resident will have 4 weeks of annual leave.

8.2.2 See 8.1.2 through 8.1.10

8.2.3 The resident will begin or continue the research project

8.2.4 The resident is required to give at least 3 hours of didactic instruction in courses offered to veterinary students and interns.

8.2.5 The resident is required to teach 4-6 hours of laboratory instruction in courses offered to veterinary students, interns or hospital staff.

8.2.6 The resident will attend one major professional meeting during each year of the resident's program (expected to be IVECCs for most residents, but include ACVIM, Intensive Care Society or Society of Critical Care Medicine) with the advice and approval of his/her faculty mentor. Expenses will be paid by the resident. The meeting should be scheduled during a nonclinical block.

8.3 Year III resident's program

8.3.1 During the third year of the program, the resident will spend 27 weeks in the Emergency and Critical Care service, and 2 weeks in each of the following services: internal medicine, surgery, and neurology. The resident will have an additional 15 weeks of independent study that will be utilized for either scholarly activity (seminar preparation, publication) or additional clinic time. The resident will have 4 weeks of annual leave.

8.3.2 See 8.1.2 through 8.1.10

8.3.3 The resident will complete the research project

8.3.4 The resident will submit one manuscript suitable for publication to their mentor and the House Officer Chair by December 30th.

8.3.5 The resident is required to give at least 3 hours of didactic

instruction in courses offered to veterinary students and interns.

8.3.6 The resident is required to teach 4-6 hours of laboratory instruction in courses offered to veterinary students, interns or hospital staff.

8.3.7 The resident will attend one major professional meeting during each year of the resident's program (expected to be IVECCs for most residents, but include ACVIM, Intensive Care Society or Society of Critical Care Medicine) with the advice and approval of his/her faculty mentor. Expenses will be paid by the resident. The meeting should be scheduled during a nonclinical block.

8.4 Outside Rotations away from LSU

8.4.1 Outside rotations can be valuable to a resident in giving them an opportunity to gain knowledge in an area that is not offered at LSU. It is also a way for a resident to see alternative approaches to a problem. Upon approval by the faculty mentor, the resident could spend a couple weeks away from LSU each year.

8.4.2 The arrangements for the outside rotation are left up to the resident but the plan must be approved in advance by the resident's mentor.

8.4.3 The following requirements must be met by the resident during or upon return from an outside rotation: a case log must be kept, an evaluation of the resident must be submitted by the primary supervisor involved in the outside rotation, and the resident must submit a written evaluation of the outside rotation to the small animal emergency and critical care faculty.

9.0 RESEARCH PROJECT

The Department of Veterinary Clinical Science requires its residents to participate in scholarly activity such as basic, applied or clinical research. To that end, the resident is required to:

9.1 Design a research project to address a specific question or problem in the discipline

9.2 Write a research grant proposal that may be used to seek funding for the project.

9.3 Conduct the research according to the experimental design

9.4 Analyze and report the results of the project

9.5 Publication of these results in a referred journal is required for completion of the program.

10.0 GRADUATE PROGRAM

Not applicable

11.0 ADDITIONAL OBJECTIVES

Not applicable

12.0 EVALUATION AND REAPPOINTMENT

12.1 An evaluation will be provided by the block mentor at the end of each assigned block through the E*Value software. A summary evaluation will be made quarterly by the faculty in conjunction with the resident's advisor. The evaluation covers:

12.1.1 Professional ability: to include theoretical knowledge and application of that knowledge, clinical skills, tutorial skills, and scholarly activity.

12.1.2 Hospital services: to include communication skills, patient care, medical record quality, emergency duty quality, and adherence to VTH protocol.

12.1.3 Personal characteristics: to include responsibility, initiative, interaction with faculty, staff and students, department and leadership.

12.2 The resident and mentor will meet on a quarterly basis to discuss progress and block evaluations.

12.3 At any time in the resident's program, and at the latest in May of each year, the House Officer Committee will review all evaluations to date. Following that review, the committee will make a recommendation to the Head of the Department of Veterinary Clinical Sciences to:

12.3.1 Continue the appointment until the next review.

12.3.2 Award a certificate upon satisfactory completion of the program.

12.3.3 Not to reappoint the resident, with a minimum of 30 days notice of termination. At the discretion of the House Officer Committee and in consultation with the resident's service, guidelines can be formulated that if met, may allow the resident to be re-instated at the end of the specified period.

12.4 All House Officers are required to complete an annual evaluation of their program with suggestions for improvement before continuation or completion of their program is granted.

13.0 HOUSE OFFICER COMMITTEE

13.1 The Committee is comprised of a representative of each House Officer program. It is responsible for the year-end review of each house officer's progress. This review is based on block evaluations received throughout the course of the program. The Committee grants recommendation for reappointment or a certificate to those who successfully complete the program.

13.2 All House Officers are required to complete an annual evaluation of their program with suggestions for improvement before continuation or completion of their program is granted.

14.0 EMPLOYMENT AND BENEFITS

14.1 Louisiana State University classifies interns and residents as University employees. As such, they (and their eligible dependents) qualify for the Louisiana State University Baton Rouge health insurance and benefits. The School of Veterinary Medicine provides malpractice insurance coverage. The salary (not a stipend) is published in the Directory of Internships and Residencies as published by the American Association of Veterinary Clinicians (www.virmp.org). Salary is payable in monthly increments via direct deposit. Retirement contributions are required and withheld from each paycheck. No social security tax is withheld. Federal and state income tax is withheld. The employee may be eligible to petition the IRS for exemption from federal tax on part of his/her salary.

14.2 The Veterinary Teaching Hospital operates year-round. House officers will share emergency duty with other house officers within their specialty. House Officers will also share evening, weekend, and holiday duty on a scheduled basis.

14.3 The University offers accrual of annual time off following either the University accrual rate (14 hours/month with a maximum accumulation of 176 hours) or the Civil Service Schedule rate (8 hours/month with no maximum accumulation). Sick time off accrual is 8 hours/month. All time off, except for illness and emergencies, should be requested and approved 30 days in advance. Time off requests must be entered into Workday (via the employee's MyLSU account) by the employee and approved by the supervisor before time off will be granted. Annual time off will be granted on an individual basis taking into account the reason for the requested absence and the needs of the service and hospital. Annual time off for personal business is to be taken during elective or research blocks. Emergency absence such as for illness or a death in the immediate family should be brought to the attention of the clinician to whom the House Officer is assigned as soon as the House Officer learns that he/she will be absent. The official request should be entered into Workday upon the House Officer's return. Except in unusual circumstances, approval will not be granted for time off during the final month of the program.

14.4 Reappointment to the second and third years of the residency program is

contingent upon satisfactory completion of the previous year's requirements.

15.0 APPLICATION PROCEDURE

15.1 Candidates may apply for the Residency in Small Animal Emergency and Critical Care by submitting:

1) A standard residency application form through www.virmp.org.
2) A statement of residency objectives and subsequent career goals.
3) Official academic transcripts.
4) A minimum of three letters of reference from individuals currently familiar with the applicant's professional status.
5) A curriculum vitae

13.0 APPENDICES

13.1 HOUSE OFFICER ROUNDS EVALUATION FORM

House Officer: _____ Date: _____

Evaluator: _____

	Evaluation **E=Excellent** **G=Good** **N=Needs Improvement**	**Comments**
Case Selection		
Complexity of case		
Appropriate follow-up		
Content		
Format of presentation		
Discussion		
Conclusions		
Use of problem-oriented approach		
Delivery		
Clarity of speech		
Rate of delivery		
Effectiveness of Visual Presentation		
Use of visual aids		
Body language and enthusiasm		
Questions handled appropriately		

Additional Comments: _____

_____

_____

_____

13.2 VCS SEMINAR EVALUATION FORM

Presenter:_____ **Date:**_____

Audience:_____

Title/Topic:_____

Evaluation Criteria:

	Points	Evaluation
Definition of subject: introduction, importance, clinical significance	**0-5**	
Organization	**0-10**	
Quality of material	**0-10**	
Presence: speaking ability		
Clarity	**0-10**	
Rate of delivery	**0-10**	
Enthusiasm, expressiveness	**0-10**	
Support Materials		
Handouts, manuscript	**0-15**	
Visual aids	**0-5**	
Appropriate Summary	**0-5**	
Presentation consistent with audience level	**0-10**	
Questions/discussion handled appropriately	**0-10**	
	Total	

Comments:

_____

_____

_____

Evaluator: _____

13.3 HOUSE OFFICER LEAVE REQUEST

I am requesting leave approval for the following dates and reasons:

1. To attend the meeting listed below.

---

2. To attend to personal activities (illness, family emergency, vacation).

---

3. To attend to official activities (out rotations, special circumstance requirements).

INTERN/RESIDENT:_____ Date:_____
Print Sign

ADVISOR: _____ Date:_____
Print Sign

BLOCK MENTOR: _____ Date:_____
Print Sign

CHAIR HOC: _____ Date:_____
Print Sign

13.4 HOUSE OFFICER BLOCK EVALUATION FORM (through E*Value)

House Officer Evaluation Form in E-Value	Needs Improvement	Satisfactory	Good	Excellent	Not Applicable
Professional Ability					
Theoretical Knowledge					
Knowledge Application					
Skills					
Patient Care					
Thoroughness					
Individual Characteristics					
Communication with clinicians					
Communication with students					
Communication with staff					
Independent study & initiative					
Awareness of current literature					
Contribution to student education					
Performance under stress					
Ability to accept criticism					
Organizational skills					
Ability to work in a team					
Reliability					
Motivation					
Attendance at seminars & rounds					
Presentation at seminars & rounds					
Ability to make independent decisions					
Hospital Service					
Completion of duties					
Quality of work					
Emergency services duty					
Communication with veterinarians					
Client communication					
Referral letters & record keeping					
Acceptance of service & case responsibility					
Adherence to VTH protocol					
Strengths:					