

Internship in Small Animal Surgery

Please see “House Officer Programs: General Information” for basic information common to all internship and residency programs. The following information highlights specific program requirements of the Small Animal Surgery internship program.

Program Director: Dr. Karl H. Kraus (kkraus1@iastate.edu); 515-291-5254)

Faculty Diplomates serving as supervisors and potential advisers of the program:

- William Hoefle, DACVS
- Karl H. Kraus, DACVS
- Eric Zellner, DACVS-SA
- Jaron Naiman, DACVS-SA
- Megan Mickelson, DACVS-SA

Prerequisites and Application

- Candidates must have successfully completed, at minimum, a one-year rotating internship in small animal medicine and surgery.
- The intern for this program should have a strong interest in pursuing a residency program with the American College of Veterinary Surgeons.
- In addition to the standard VIRMP application, an interview may be required with the Small Animal Faculty via phone or in person.
 - After reviewing the applications received, the SAS faculty will extend invitations via phone and email to potential candidates.
 - The faculty will specify a two-week period of time during which the applicant can schedule their interview via phone or in person.
 - Applicants who do not agree to or are not able to arrange an interview will not be considered further.

Clinical program requirements

SAS intern schedule (1 year)
31 weeks Small Animal Surgery in direct contact with a board eligible or ACVS diplomate**
4 weeks working on publishable research project
4 weeks in ICU
4 weeks in Anesthesia
6 weeks in Junior Surgery / Shelter medicine
2 weeks vacation
1 week orientation

**After-hours and emergency expectations during weeks on Small Animal Surgery:

- The SAS Intern should expect to work no more than 4 hours/day in the mornings for routine case management on weekends and holidays.
- The SAS intern will assist in emergency surgeries on weekends and holidays.
- Total daily work hours for weekends and holidays will not exceed 10 hours/day (combination of routine case management and emergency surgeries).

Seminar/Rounds requirements

Rounds type	Frequency	Day/Time	Commitment
HO Seminar/Case Presentation	Weekly	Thursdays @ 8am	Required
SA Intern Rounds	Weekly	Mondays @ 8am	Recommended
SAS Resident Topic Rounds/Journal review	1-2x weekly	Fridays @ 7:30am	Required
Radiology-Pathology (RadPath) Rounds	Monthly	4 th Tuesday @ 8am	Optional
Morbidity & Mortality Rounds	Monthly	2 nd Tuesday @ 8am	Optional

- **SAS Rounds** are required by the ACVS and are composed of weekly (52 wks/year) resident topic rounds, journal review, or faculty lectures. The topic of these rounds will rotate on a three year schedule in proportion to the expected representation on the ACVS certifying exam. Categories include but are not limited to: surgical techniques, cardiovascular, respiratory, renal/urinary, endocrine, gastrointestinal, hepatobiliary, neurology/special senses, reproductive, musculoskeletal, immunologic/hemolymphatics, integument, sepsis/SIRS/MODS, shock/ischemia/CPR, coagulation/transfusion medicine, acid-base/fluid, anesthesia/analgesia, nutrition and environmental and toxicities. Focus in each category will include physiology, pathophysiology, diagnostics, monitoring and interventions.
 - The intern will present 1 lecture per year in SAS resident topic rounds. This lecture will be on a single topic at a level appropriate for presentation fellow ACVS residents and diplomates.
 - The intern will be a primary presenter during the SAS journal club rounds sessions for 26 sessions per year.
- **Mock Examinations** are given twice a year to the residents and will follow a similar format to the ACVS Phase I and II certification examinations.

Scholarship and teaching requirements

- Teaching and presentation requirements
 - The intern will participate in the instruction of clinical students. Participation in CVM student laboratories will be assigned.
 - The intern is encouraged to attend and participate in continuing education meetings sponsored by the CVM or by local and regional veterinary organization.
 - The intern is encouraged to apply for specialty training, presumably in surgery, through the VIRMP matching program in the fall.
- Research requirements
 - The intern is expected to participate in clinical research. The faculty have projects the intern may be a part of, or if they wish they can formulate and pursue their own project. Preparing and submitting a manuscript for publication is strongly encouraged, but not required.

Other program specifics that differ from ISU-CVM “House Officer Programs: General Information”

- Interns will be evaluated quarterly by their assigned adviser.
 - The first critique may be provided within 30-60 days of starting, thereafter, critiques will be provided at least every 4 months.
 - As part of a quarterly review, SAS interns will complete the following Self-Evaluation Form:

SAS Intern Self-Evaluation Form

The SAS Intern is to complete all areas (except faculty feedback sections) of this evaluation and submit it to their faculty advisor at least one week before their scheduled evaluation. At the evaluation, the Intern’s progress will be discussed and feedback given.

Clinical skills:

- Please describe areas of clinical case management in which you feel you excel:
- Please describe areas of clinical case management in which you feel you could improve; include goals/plans on how to improve these areas:
- Please describe ways in which the SAS faculty can help you to achieve these goals:
- Faculty feedback of SAS Intern’s clinical case management skills:
(1 is poor or almost never, 3 is average, 5 is outstanding or almost always)
 - Ability to manage basic surgery cases 1 2 3 4 5
 - Ability to manage complex surgery cases 1 2 3 4 5
 - Does the Intern ask for faculty assistance when indicated 1 2 3 4 5
 - Intern’s attention to detail on case management 1 2 3 4 5
 - Does Intern demonstrate compassionate care for patients 1 2 3 4 5
 - Performance on anesthesia, ICU and shelter rotations 1 2 3 4 5
 - Comments:

Teaching/Communication skills:

- Please describe ways and/or situations in which you feel you excel at teaching students; rotating Interns:
- Please describe areas related to teaching students and rotating Interns in which you feel you could improve; include goals/plans on how to improve these areas:
- Please describe ways in which the SAS faculty can help you to achieve these goals:
- Faculty feedback regarding SAS Intern’s teaching of students and rotating Interns:
- Please describe ways/situations in which you feel you excel at communicating with staff; RDVM’s; clients:
- Please describe ways/situations in which you feel you could improve communicating with staff; RDVM’s; clients: (include goals/plans on how to improve these areas)
- Please describe ways in which the SAS faculty can help you achieve these goals:
- Faculty feedback of SAS Intern’s communication:
 - Ability of the Intern to conduct student topic rounds 1 2 3 4 5
 - Ability of the Intern to discuss cases w/ students 1 2 3 4 5
 - Willingness of the Intern to teach students 1 2 3 4 5
 - Intern’s interaction skills with technical staff 1 2 3 4 5
 - Owner communication 1 2 3 4 5
 - RDVM communication 1 2 3 4 5
 - Ability of the Intern to guide rotating Interns 1 2 3 4 5
 - Ability of the Intern to teach rotating Interns when impromptu learning opportunities arise 1 2 3 4 5

○ Ability of the Intern to give constructive criticism	1	2	3	4	5
○ Ability of the Intern to receive constructive criticism	1	2	3	4	5
○ Comments:					
Research/presentation skills:					
● Please list any presentations that you have prepared and given since the last evaluation:					
● Please list any research activity that you have performed since the last evaluation:					
● Please describe areas related to research and presentations in which you feel you excel:					
● Please describe areas related to research and presentations in which you feel you could improve; include goals/plans on how to improve these areas:					
● Faculty feedback of SAS Intern's presentation skills and research activity:					
○ Intern presentation skills	1	2	3	4	5
○ Interns preparedness for SAS rounds	1	2	3	4	5
○ Interns ability to prepare original research	1	2	3	4	5
○ Interns ability to conduct original research	1	2	3	4	5
○ Comments:					