

Detailed Program Description for ACVD Website

1. Program name and location: McKeever Dermatology Clinics. 7723 Flying Cloud Drive, Eden Prairie, MN 55344
2. Is the program currently on ACVD probation? No.
3. Mentor(s):
 - a) Nicole A. Heinrich
 1. Years in ACVD: 9
 2. Years as mentor: 8
 - b) Rendina A. McFadden
 1. Years in ACVD: 3
 2. Years as mentor: 2
4. Specific requirements for applying to the program: Same as for ACVD
5. Length of residency: 3 years
6. Is a Master's degree or PhD required? No.
7. When was the residency first offered? 2014, although Dr. McKeever has been involved with numerous residency programs since 1988.
8. How many residents have been accepted into the program since inception? 4
How many of these have become board certified dermatologists? 2 (2 currently in 3rd year)
9. What is the average annual dermatology caseload for the institution over the past 5 years? 1,500 new referral cases and 1,550 re-examinations per year
10. What is the average total caseload seen the entire residency? Approximately 1,000 new patient exams and 1,000 follow up exams .
11. On average, how many new patients, rechecks and consults does the program see per year?
 - A. New cases: 1,500
 - B. Rechecks: 1,550
 - C. Consults: 50
12. On average, what percentage of the program's cases are dogs and cats?
90% dogs and 10% cats
13. On average, how many exotic, equine and farm animal cases does the program see per year?
Rarely exotics and farm animals
30 equine cases
14. What percentage of time is the mentor in clinics with the resident while the resident is seeing cases during the first year: 100%, second year 98%, and third year 98% (This means that the mentor is either physically seeing patients with the resident or can be contacted by phone and available to see the case within one hour of being called.)
15. Does the program have access to other specialists?
The resident will have ability to consult with specialists in the local community including: internists, oncologists, surgeons, ophthalmologists, and dentists.

16. Please describe your library access. The resident will have online journal access through the ACVD website. The practice has multiple textbooks available for resident use. The UMN veterinary school library is available for resident use and is located 20 miles from the Eden Prairie office and 16 miles from the Inver Grove Heights office.

17. Does the program have statistical support for the resident's research project?
Yes.

18. Does the program have direct access to any basic science or clinical science laboratories? No.

How often do residents and mentors have the following rounds?

A. Case rounds: These occur every day that the resident sees cases as informal discussion. There are 2 dermatologists in this residency program ensuring that each clinic is staffed with a dermatologist whenever a resident is in the clinic.

B. Journal Club: This occurs weekly via Zoom or other Internet platform. The resident is responsible for procuring and presenting 4 articles each week. Article selection is directed by the mentor. Journal club takes 1 to 2 hours.

C. Histopathology Training:

Resident training in dermatohistopathology is led weekly by Dr. Heinrich. Four hours per month will be dedicated to studying dermatohistopathology. The resident will be given an assignment that will consist of a worksheet and images to review. The assignment and images will be discussed weekly. The following resources and format will be utilized:

Histopathology resources include:

- a. Extensive glass slide and digital image collection
- b. Textbooks and journal articles
- c. Antech digital images of histopathology of clinical cases
- d. Antech digital images of histopathology of biopsies submitted by referring veterinarians to the McKeever Dermatology histopathology service
- e. Access to histopathology learning opportunities (i.e. VetDermPath and lectures coordinated by professionals associated with the ACVD)
- f. Opportunity for pathology externship if desired.

Histopathology teaching format:

- a. Normal anatomy
- b. Patterns of inflammation
- c. Disease recognition
- d. Interpretation of histopathology reports

- D. Basic science learning rounds: This occurs every weekly via Zoom or other Internet platform and lasts 1 to 3 hours. The resident is responsible for completing their weekly assignment, often a combination of worksheets, PowerPoints and diagrams. The resident will present the assignment to the mentor. These topics cover major concepts in dermatology and the study plan is organized so that topics build on each other and are reinforced over the 3 year program.
19. Resident Benefits: Residents are provided a salary, paid health insurance, paid vacation, paid externship opportunities, paid MVMA and AVMA dues and paid registration and travel to NAVDF. Dr. Heinrich is available to explain the specific details about the benefits listed.
20. Does the program allow the resident to attend NAVDF annually? Yes.
21. Does the program pay for the resident to attend NAVDF annually? Yes.
22. Average number of days a resident will spend on clinics each month: 12 to 16
23. Average number of days a resident will spend on non-clinical pursuits per month (not including Sundays or holidays): 8 to 10
24. Does the resident have to take general medicine emergency duty? No
25. Does the resident have to take dermatology emergency duty? No
26. Is time allotted for externships in other subspecialties or at other dermatology practices? Yes. The resident may take up to 3 externships in places of their choosing (within the USA). Each externship is 1 week long.
27. How much time is allotted off for the resident to study for boards? The residency ends June 30th which is 4 months prior to when the board exam is scheduled in November.
28. How much time is allotted to carry out a research project (grant writing, data collection, paper preparation) during the residency? The resident is provided opportunity to complete the project in time to present it at NAVDF in second year. The resident is responsible for completing this work during days outside the clinic and slow clinic days. The resident is expected to ask for time off clinics if needed to complete the project.
29. What are other responsibilities of the resident? The resident is responsible for managing their cases, and for shadowing as their mentor sees cases. The resident is responsible for keeping up with academic assignments and journal club articles. The resident is responsible for meeting ACVD deadlines.
30. How many residents has the program had over the past 10 years? Two former residents, two current residents.
31. How many/ what percentage of the above residents passed credentials on the first submission? 2 of 2 residents passed credentials on first submission.
32. How many/what percentage of the above residents sat for boards the first time the year they finished their residency? 2/2
33. How many/what percentage of the above residents passed the board exam on their first time? 2/2
34. Is your residency program reviewed by a committee outside your university? No. This is a private practice residency.

35. Please list the papers published by your last 5 residents.

- Bancroft, S., & Heinrich, N. (2021). Granulomatous mural folliculitis in a dog treated with ciclosporin. *Veterinary Record Case Reports*, 9(3), e99.
- Eberhardy, A., Heinrich, N., McFadden, R., & Reiter, L. (2021). Combination therapy with mycophenolate mofetil and prednisone for exfoliative cutaneous lupus erythematosus in a German shorthaired pointer dog. *Veterinary Record Case Reports*, 9(3), e114.
- McFadden, R. A., Heinrich, N. A., Haarstad, A. C., & Tomlinson, D. J. (2017). A double-blinded, randomized, controlled, crossover evaluation of a zinc methionine supplement as an adjunctive treatment for canine atopic dermatitis. *Veterinary dermatology*, 28(6), 569-e138.
- McFadden, R. A., Heinrich, N. A., & Haarstad, A. C. (2017). Successful treatment of chronic canine blastomycosis in a Labrador retriever with sterile histopathology. *Veterinary Record Case Reports*, 5(1), e000390.
- Haarstad, A. C., Eisenschenk, M. C., Heinrich, N. A., Weese, J. S., & McKeever, P. J. (2014). Isolation of bacterial skin flora of healthy sheep, with comparison between frequent and minimal human handling. *Veterinary dermatology*, 25(3), 215-e56.

36. Names of your last 5 residents and whether they are willing to be contacted by potential residents:

- a. Sara C Bancroft DVM, current ACVD resident. Yes.
- b. Aurrielle C Eberhardy DVM, current ACVD resident. Yes.
- c. Rendina A McFadden DVM DACVD. Yes.
- d. Amy C Haarstad DVM DACVD. Yes.