

THE JOINT
PATHOLOGY CENTER



The Joint Pathology Center Veterinary Pathology Residency Program

Anatomic Pathology Residency Training for
Active Duty U.S. Army Veterinary Corps Officers

Updated: July 2025





The Joint Pathology Center

DoD Veterinary Pathology Residency Program

Creating tomorrow's veterinary pathology leaders



Didactic

Required Academic Workload

- Systemic Pathology seminar askjpc.org/vspo
- General Pathology seminar
- Clinical Pathology seminar
- Gross Pathology seminar
- Wednesday Slide Conference askjpc.org/wsc
- Journal Club
- Book Club



External Rotations

Extramural Opportunities

- National Institutes of Health
- Necropsy rotations:
 - University of Minnesota
 - Iowa State University
 - University of New Hampshire
- Maryland State Diagnostic Laboratory
- Smithsonian National Zoo



Diagnostic

Case Load

- >3,000 primary consultations annually:
 - 60% small animal
 - 20% large animal
 - 10% exotic/zoo
 - 10% lab animal
- Biopsies, cytologic specimens, and postmortem examinations
- Global customer base of DoD and other Federal Government-owned animals, pets of Service Members, and second opinion cases

We want dedicated veterinarian Soldier-Scientists to become productive, well-rounded Army veterinary pathologists and Officers.

ARMY OFFICER

HONOR
DUTY

SELFLESS SERVICE

VETERINARIAN

INTELLECT
INTEGRITY

DEDICATION

LEADER

ACTION
EMPOWERMENT

RESPECT

The JPC Residency Program

- Didactic
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The JPC Residency Program

- External Rotations
 - National Institutes of Health
 - University of Minnesota, Iowa State University, University of New Hampshire
 - Maryland State Diagnostic Laboratory
 - Smithsonian National Zoo
- Courses (when available): Foundations of Pathology Course, Pathology of Laboratory Animals Course, Current Literature and Images Interpretation Course, USDA Foreign Animal Disease Diagnosticians Course



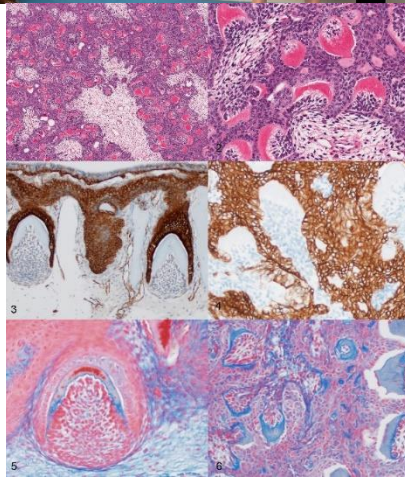
The JPC Residency Program

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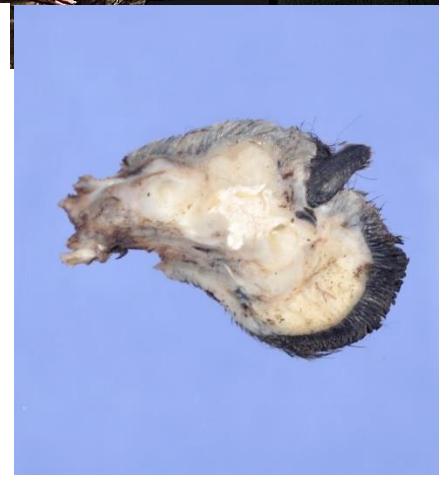
The JPC Residency Program

- Research/case presentation required by end of second year
 - Davis-Thompson Foundation (NEVPC) and/or ACVP
- Additional optional research opportunities available

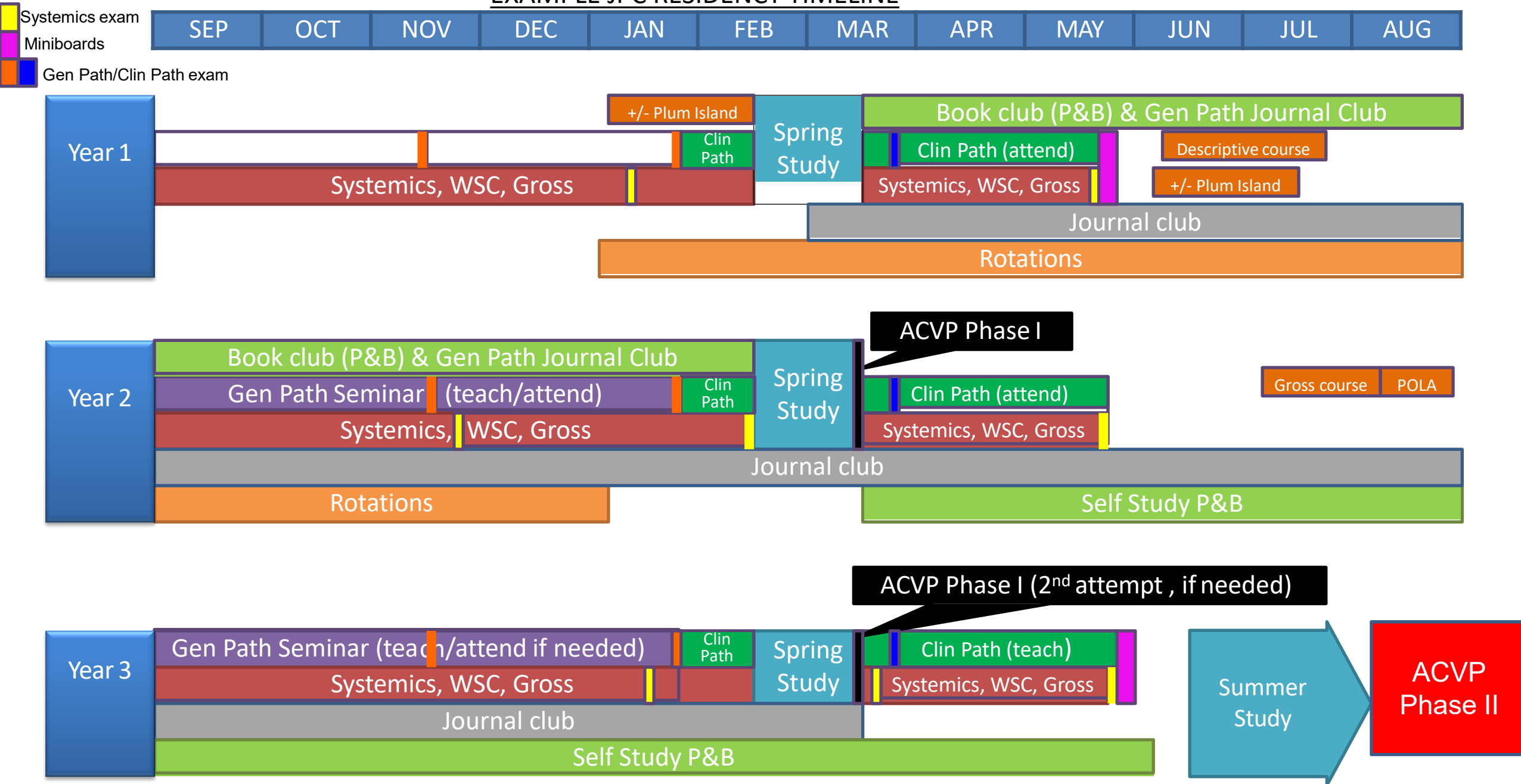


Summary

Proliferative, myxomatous change was identified in the cardiac valves (i.e. valvular endocardiosis) with extension into some cardiac walls (i.e. mural endocardiosis) of five tetras (four neon tetras [*Paracheirodon innesi*] and one rummynose tetra [*Hemigrammus rhodostomus*]). Review of cardiac sections from tetras (family Characiformes) submitted to two diagnostic laboratories revealed a prevalence of endocardiosis in tetras of 4.3% and 5.7%, respectively. In four cases, concurrent disease that could be a primary cause of death was not identified, and endocardiosis was considered the primary cause of death; in the fifth case, egg binding was present concurrently. This retrospective case series suggests that endocardiosis is a significant concern in fish of the family Characiformes.



EXAMPLE JPC RESIDENCY TIMELINE



JPC Veterinary Pathology Services Mission:

- 1) Provide a Veterinary Pathology Diagnostic Service for the DOD
- 2) Train residents to become good Anatomic Pathologists to fill research pathology positions across the DOD
- 3) Research and innovation to include independent and collaborative efforts on diseases and conditions of veterinary and public health importance

Traits of a good anatomic pathologists for DOD research facilities:

- Highly competent (know lesions vs autolysis vs background vs normal)
- Hard working (it takes more than brains; effective hard work)
- Well-rounded (research, zoo, small animal, equine, ophthalmology, farm animals, etc.)
- Good problem solving skills (will be necessary in research)
- Effective communicator (written case letters, oral slide descriptions [WSC, Systemic Pathology seminar], teaching [Gen Path/Clin Path seminars], presentations at regional and/or national conferences, etc.)
- Team Player

A resident with ALL of these traits will be an anatomic pathologist capable of taking and passing the ACVP exam AND doing DOD research



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More about JPC Veterinary Services:

<https://www.defense.gov/explore/story/Article/1777312/veterinary-pathology-contributes-to-human-health/>

<https://dod.defense.gov/News/Article/Article/1777388/where-animal-and-human-health-research-coincide/>

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