

User Guide

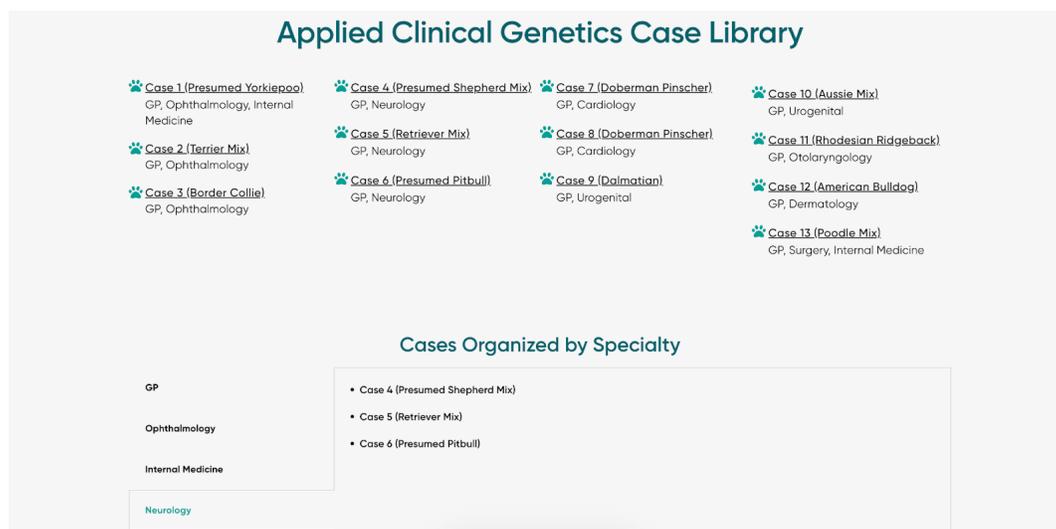
Embark Veterinary has compiled and published a library of practical cases involving applied clinical genetics for veterinary school faculty and students.

These cases are for veterinary students and faculty to use in multiple capacities:

- **As a supplement to lecture material for veterinary faculty**
- **As a problem-based, self-assessment learning tool for second- and third-year veterinary students**
- **As a resource that professors can recommend to their students to learn more about applying clinical genetics**
- **As an ongoing reference for veterinary practitioners to integrate genetics into practice**

The cases in this library have been thoroughly examined by veterinary specialists and veterinary geneticists to confirm they are scientifically accurate and clinically relevant.

1. The **landing page** for the case library is where you can browse all of the cases!
 - The top part of the page contains the cases in numeric order.
 - The bottom of the page contains the cases organized by specialty.



Above is the landing page

2. Now that you've learned how to navigate the case landing page, click on any case to go to the **case page** and begin!

- Although the content of each case differs, the general case format is the same:
 - By clicking on a question, an expert veterinarian’s solution will be revealed.
 - Sometimes there will be external links to PDFs, videos, or other helpful components of the case. These will be indicated in the case, and can be reached by hovering over a particular word or phrase. Click to open the link (these may open in a new tab).

embark
for Veterinarians

Applied Clinical Genetics Case Library
Case 4

Signalment & History

Signalment:

- 13-years-old
- M/N
- Presumed Shepherd mix

History:

- Progressive ataxia
- At visit 6 months ago, patient had hip and stifle radiographs, full CBC, chemistry, UA, and thyroid testing; at the appointment the dog took an abnormally long amount of time to wake up from sedation
- Currently taking daily NSAID and intermittent opioid and gabapentin administration

Presenting Complaint

- Dragging of the hind feet
- Nail scuffing
- Hind-end muscle mass loss

What is on your differential list?

- Degenerative Myelopathy
- Hansen Type II IVDD
- Lumbosacral syndrome
- Spinal cord neoplasia
- Orthopedic Disease

Physical Exam

- BCS: 6/9
- Mildly decreased range of motion of the hips with crepitus
- No cruciate ligament abnormalities

[Click here to open genetics report](#)

What diagnostics will you run?

- Full Bloodwork ([Click to view in new tab](#))
- Radiographs



VD Spine



VD Hips



VD Hips Frogged



L Lateral Stifle

Above is an example of the case page

3. Click on “Return to case library” at the bottom of the case page to return to the landing page.

Happy studying! 🐾