

Diagnostic Exercise

From The Davis-Thompson Foundation*

Case #: **157** Month: **January** Year: **2021**

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Clinical History: A 3-year-old Angus bull had a six-day history of weakness, absent ruminal motility, hind limb paralysis, paddling movements and opisthotonos, progressing to spontaneous death. Other animals from nearby farms had died with similar clinical signs in the last months.

Necropsy Findings: The practicing veterinarian performed the necropsy in the field and sent the whole brain fixed in 10% formalin for examination at our lab. There were no gross changes in the brain. Representative histological findings are in Figures 1 and 2.

Microscopic Images:

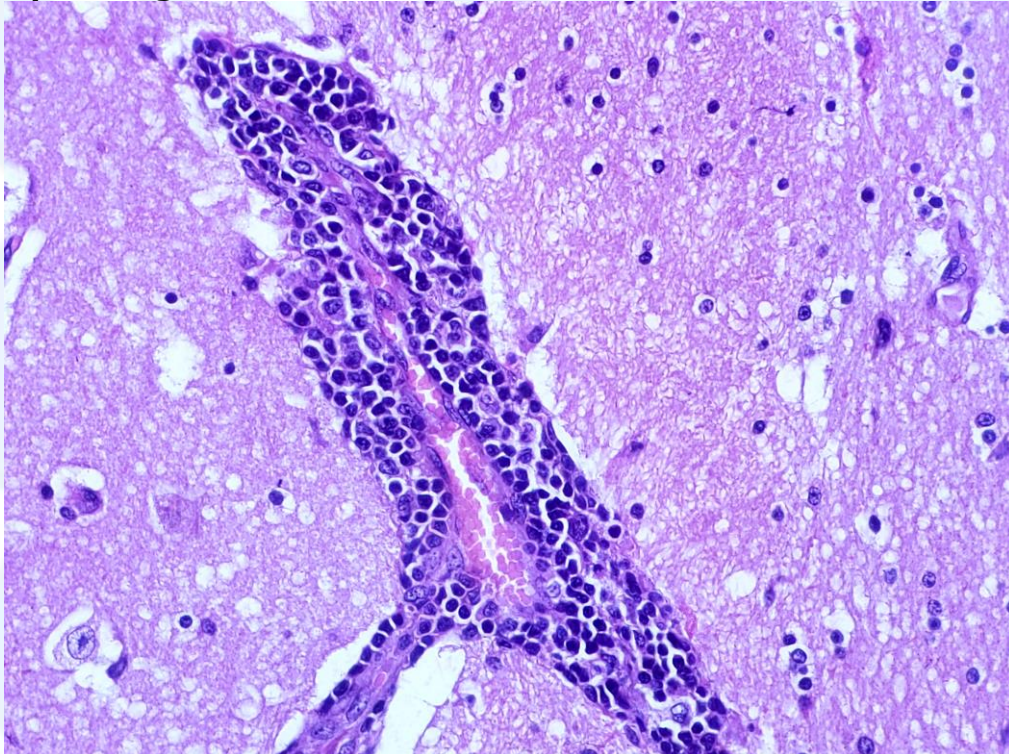


Figure 1

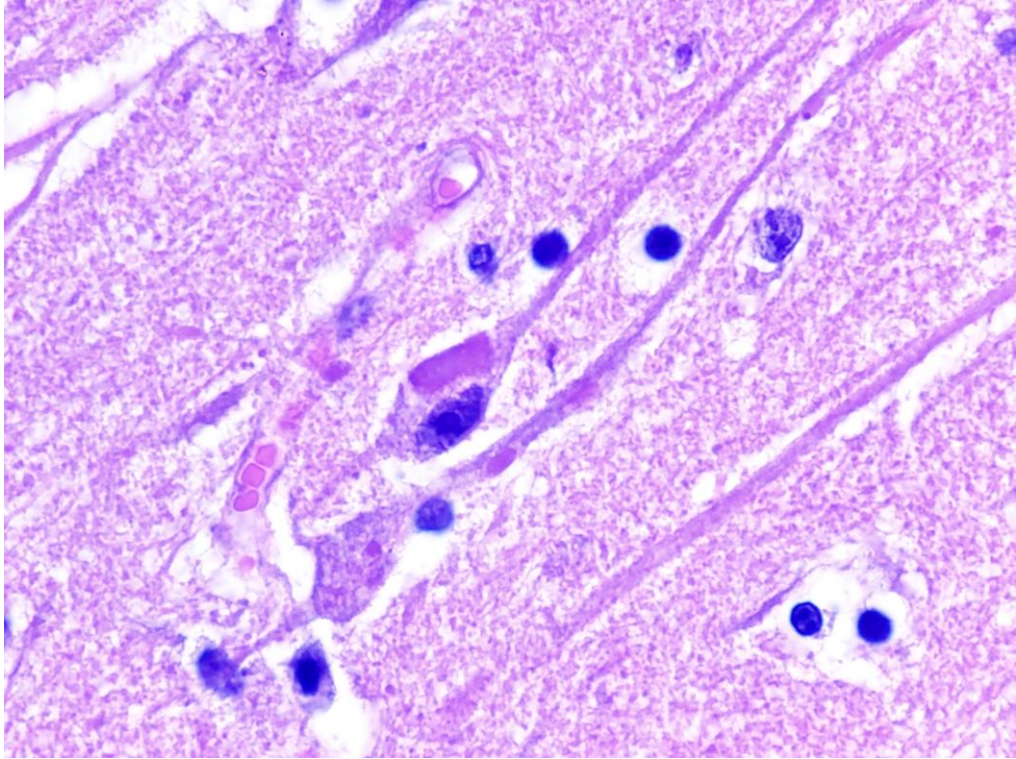


Figure 2

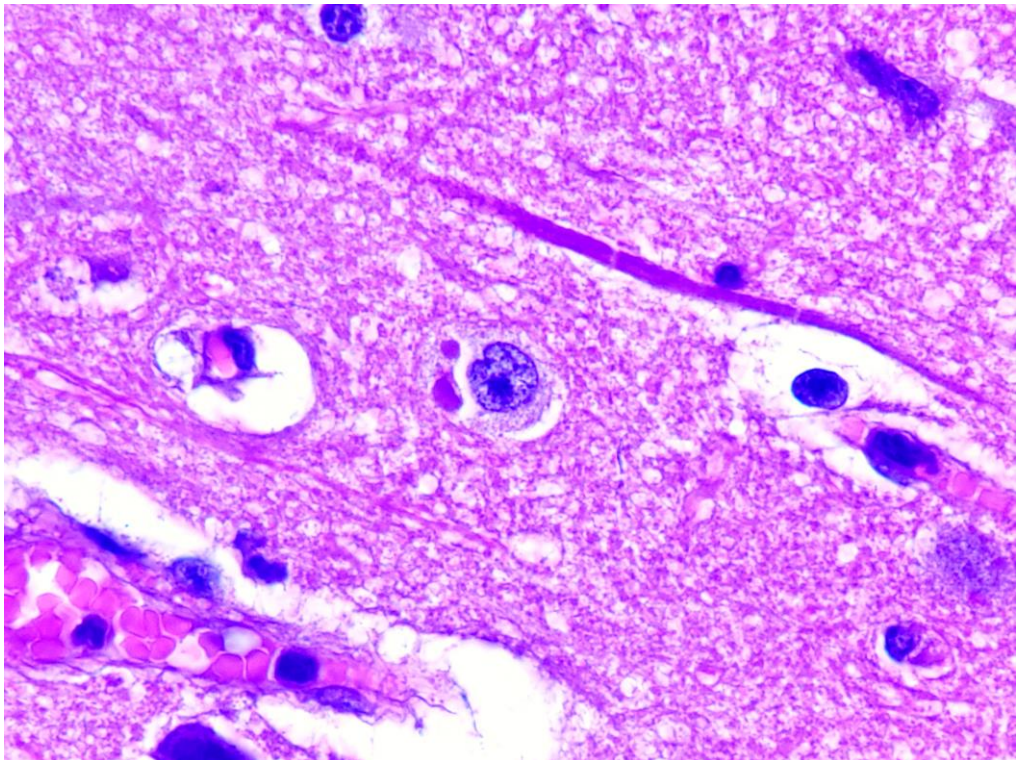


Figure 3

Follow-up Questions:

1. What is/are your morphological diagnosis(es)?
2. What is your etiologic diagnosis?
3. Describe the most probable mechanism of infection.
4. What other neurologic diseases should be considered as differential diagnoses?

*The Diagnostic Exercises are an initiative of the **Latin Comparative Pathology Group (LCPG)**, the Latin American subdivision of The Davis-Thompson Foundation. These exercises are contributed by members and non-members from any country of residence. Consider submitting an exercise! A final document containing this material with answers and a brief discussion will be posted on the CL Davis website (http://www.cldavis.org/diagnostic_exercises.html).

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