



# Diagnostic Exercise

## From The Davis-Thompson Foundation\*

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*Question Sheet*

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**Clinical History:** This 10-day-old Quarter horse colt died spontaneously. It had been always lethargic and weak since birth. The foal had fallen down the night before and was not able to get up. It was found dead in the morning.

**Necropsy Findings:** The cranioventral portion of the lungs was firm and dark red (Figure 1). Small amount of purulent exudate was present within the thoracic cavity. Several joints of both hindlimbs and forelimbs were filled with opaque, yellowish exudate with fibrin strands (polyarthritis) (Figure 2). Similar exudate was observed within the urinary bladder, which had a congested mucosa with petechial hemorrhages. The leptomeninges of the brain were also congested and had multifocal and mild accumulation of thick, opaque, yellow exudate (Figures 3 and 4).

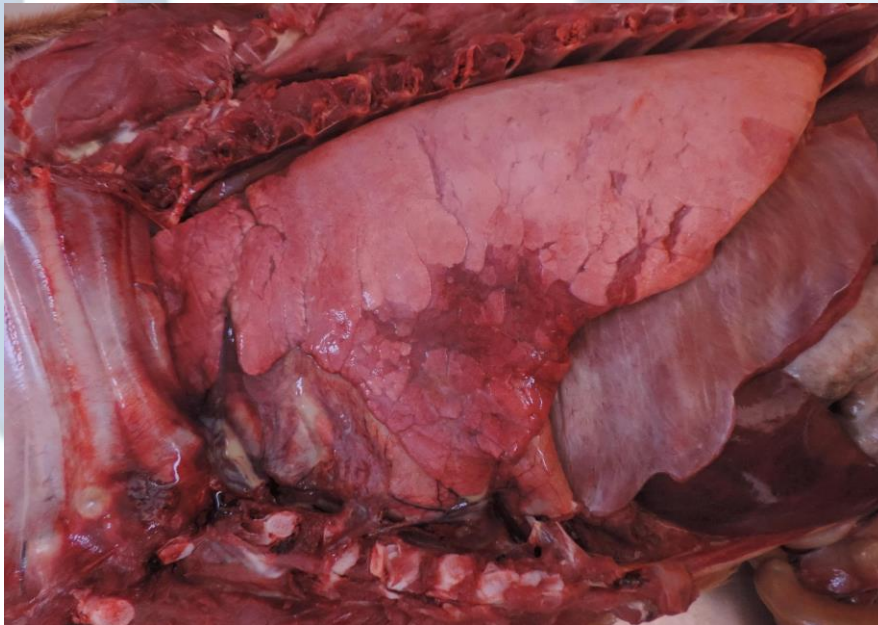


Figure 1



Figure 2

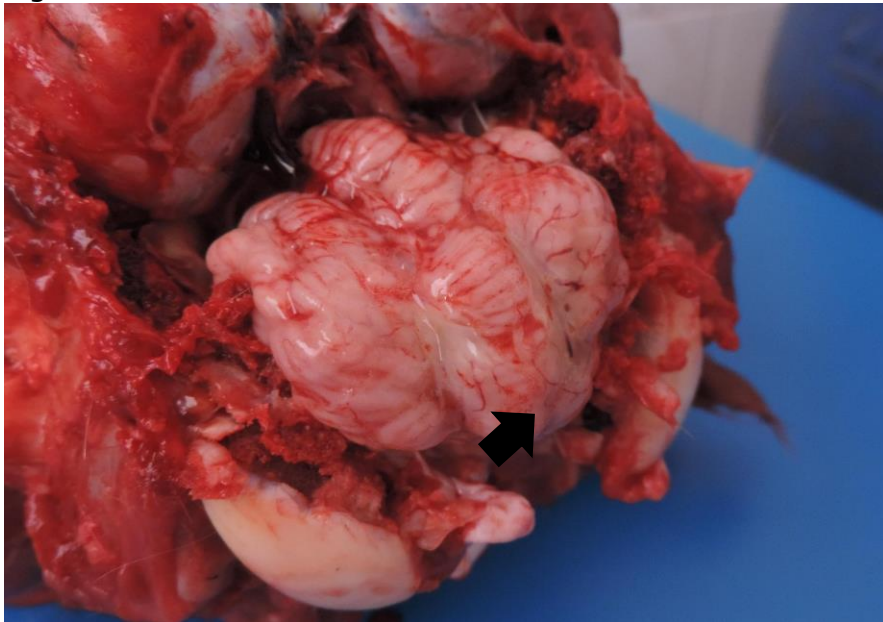


Figure 3

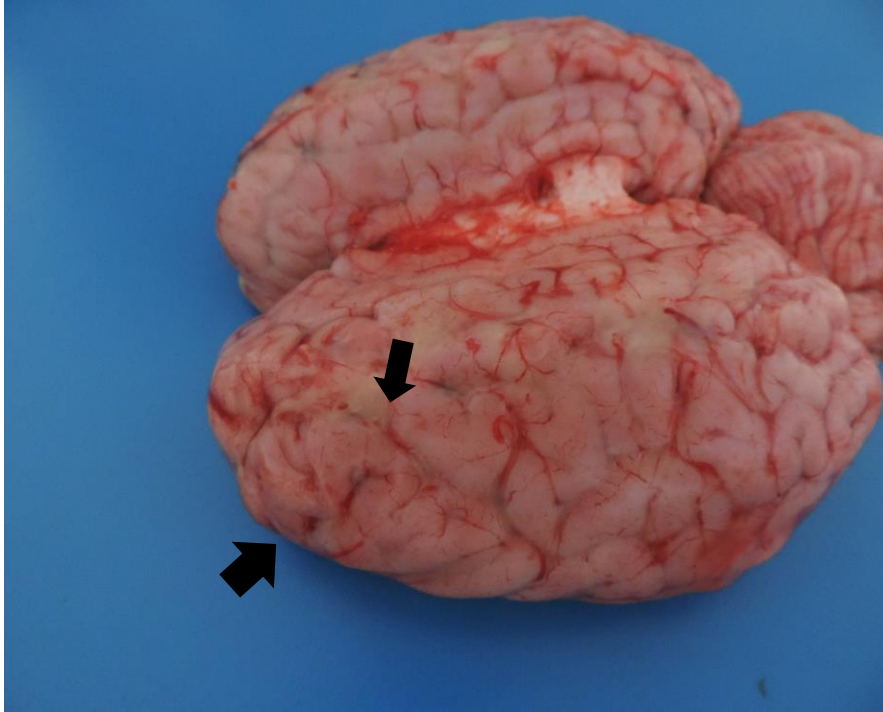


Figure 4

**Follow-up Questions:**

- *What is the condition affecting this foal?*
- *What antemortem laboratory tests could help confirm this diagnosis?*
- *Can you name some microorganisms that might be involved in this case?*
- *What is your morphologic diagnosis for the brain, lung and joint lesions?*

**Associate Editor for this Diagnostic Exercise:** Mariana Flores

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\*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](http://www.cldavis.org/diagnostic_exercises.html)).