

Diagnostic Exercise

From The Davis-Thompson Foundation*

Case #: 75 Month: December Year: 2016

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Clinical History: This young adult, female canine presented with apathy, anorexia, mild mucosal icterus and blackish diarrhea. It died soon after the clinical exam. Other three dogs from the same owner had presented similar clinical signs. All four dogs died between 24 and 48 hours after the onset of clinical signs. These dogs were from a farm and were fed polenta, a corn flour-based diet.

Necropsy Findings: The ocular, oral and genital mucosae were slightly yellow (mild icterus). The liver was moderately enlarged, diffusely yellow and had accentuation of the lobular pattern (Figure 1). On cut surface, the liver was soft, friable and had a greasy appearance. When submerged in formalin, the liver fragments floated. The intestines were filled with a bloody, semi-liquid content (Figure 2) and the mucosa was diffusely red. A considerable amount of blackish content was seen inside the stomach, and the gastric folds were thickened by edema. Multiple endocardial suffusions were seen in the heart.

Gross Images:



Figure 1



Figure 2

Follow-up questions: 1) Microscopic findings, 2) Morphologic diagnoses, 3) Etiologic diagnosis (liver), 4) Etiology, and 5) Name the condition.

*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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