

# Diagnostic Exercise

## From The Davis-Thompson Foundation\*

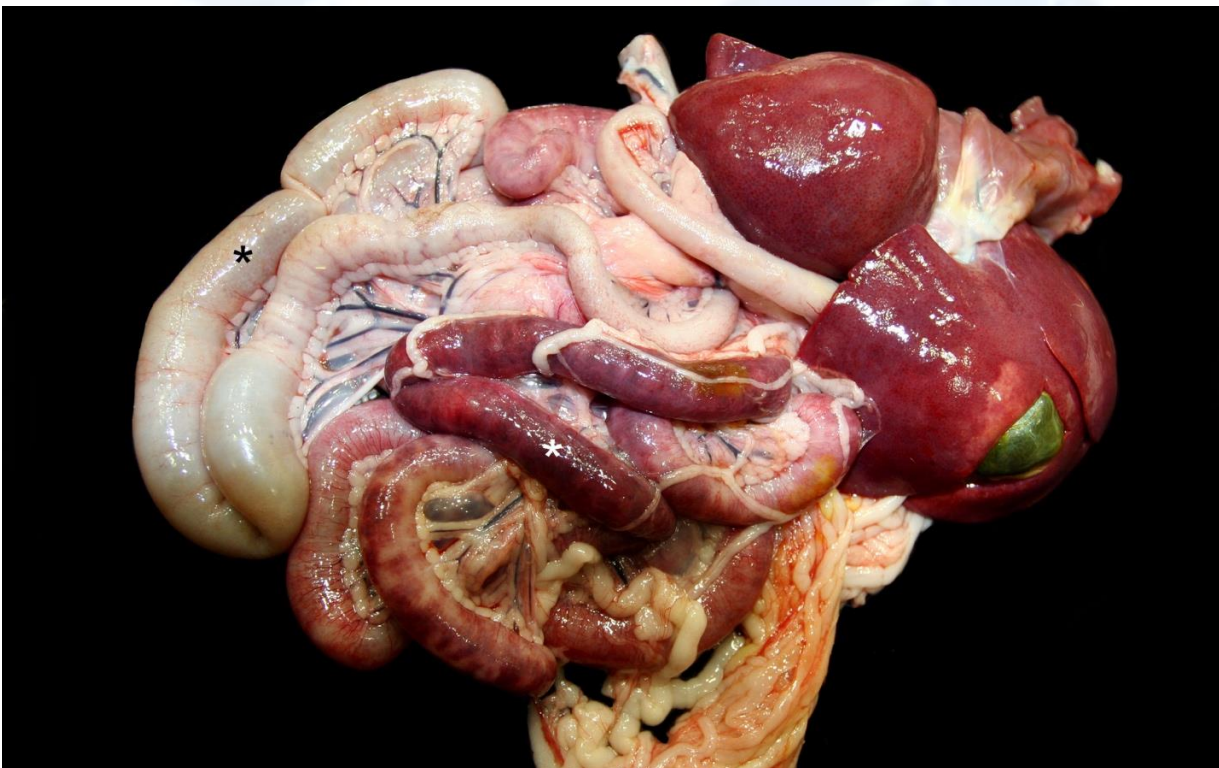
### Question Sheet

Case # **171** Month: **August** Year: **2021**

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**Clinical History:** Two raccoons died in a pre-release rehabilitation pen in an interval of 1.5 weeks after appearing healthy. The second raccoon, a juvenile female, was submitted for postmortem examination.

**Necropsy Findings:** In the small intestine, the subserosa is markedly hyperemic/congested (Fig. 1) with abundant watery, semi-translucid content and large amounts of tan-white mucus. The intestinal wall is thickened, and the mucosa is smooth and overlaid by thick mucus (Fig. 2). The large intestine contains moderate amounts of tan-yellow, mucoid digesta. Mesenteric lymph nodes are enlarged, the parenchyma is red and mildly protrudes on cut section.



**Figure 1.** Digestive tract, raccoon, observed the dark-red and slightly sacculated appearance of the small intestine (white asterisk). The large intestine does not depict significant gross findings (black asterisk).



**Figure 2.** Jejunum, raccoon, two open segments of the jejunum, the mucosa is markedly smooth and covered with tan-white mucus.

**Follow-up questions:**

Please provide:

- *Typical microscopic findings of the disease*
- *Etiological diagnosis*
- *Most common blood work abnormality.*

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