Diagnostic Exercise
From The Davis-Thompson Foundation*

Case #: 154 Month: November Year: 2020

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Clinical History: 6-year-old, female Boer goat. The animal presented to the LSU Veterinary Teaching Hospital with lethargy, abdominal distension, and diarrhea. Physical exam revealed a fluid wave and chemosis. Due to the severity of her condition, humane euthanasia was elected.

Necropsy Findings: The serosa of the small intestine had multifocal, white, 2 to 4 mm, firm nodules. The mucosa of the ileum was multifocally thickened with prominent yellow to pale pink mucosal folds. The mesenteric lymph nodes were enlarged 2-3 times and firm. The peritoneal cavity contained approximately 6 L of clear, yellow fluid with occasional clear, flocculent material. Other findings included focally extensive necrotizing rumenitis and fibrinous peritonitis, lymphoplasmacytic abomasitis, bronchopneumonia, and tracheobronchial lymphadenomegaly.

Gross and Microscopic Images:
Figure 1. Small intestine, mucosal surface.
Figure 2. Small intestine. Hematoxylin and eosin; 1.25X and 20X (inset).

Follow-up questions:

1) Microscopic description

2) Morphologic diagnosis

*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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