



Diagnostic Exercise

From The Davis-Thompson Foundation*

Case #277; Month February; Year: 2026

Question sheet

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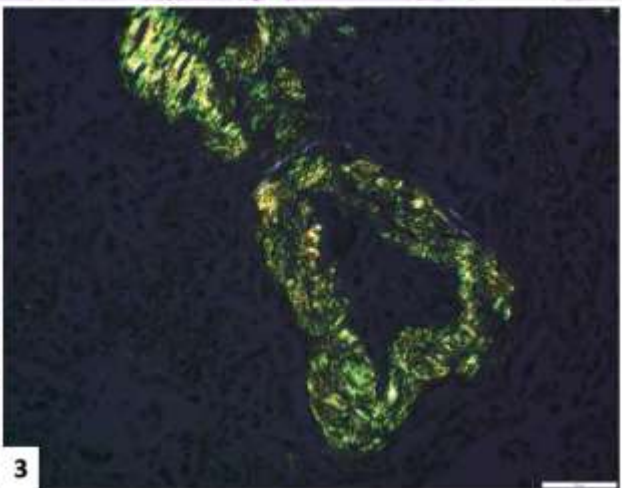
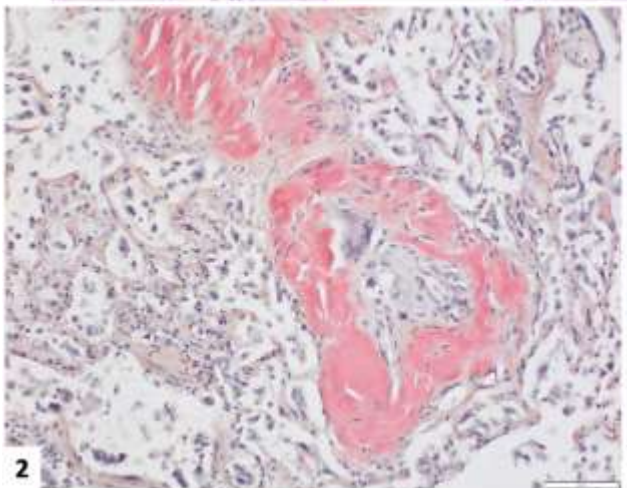
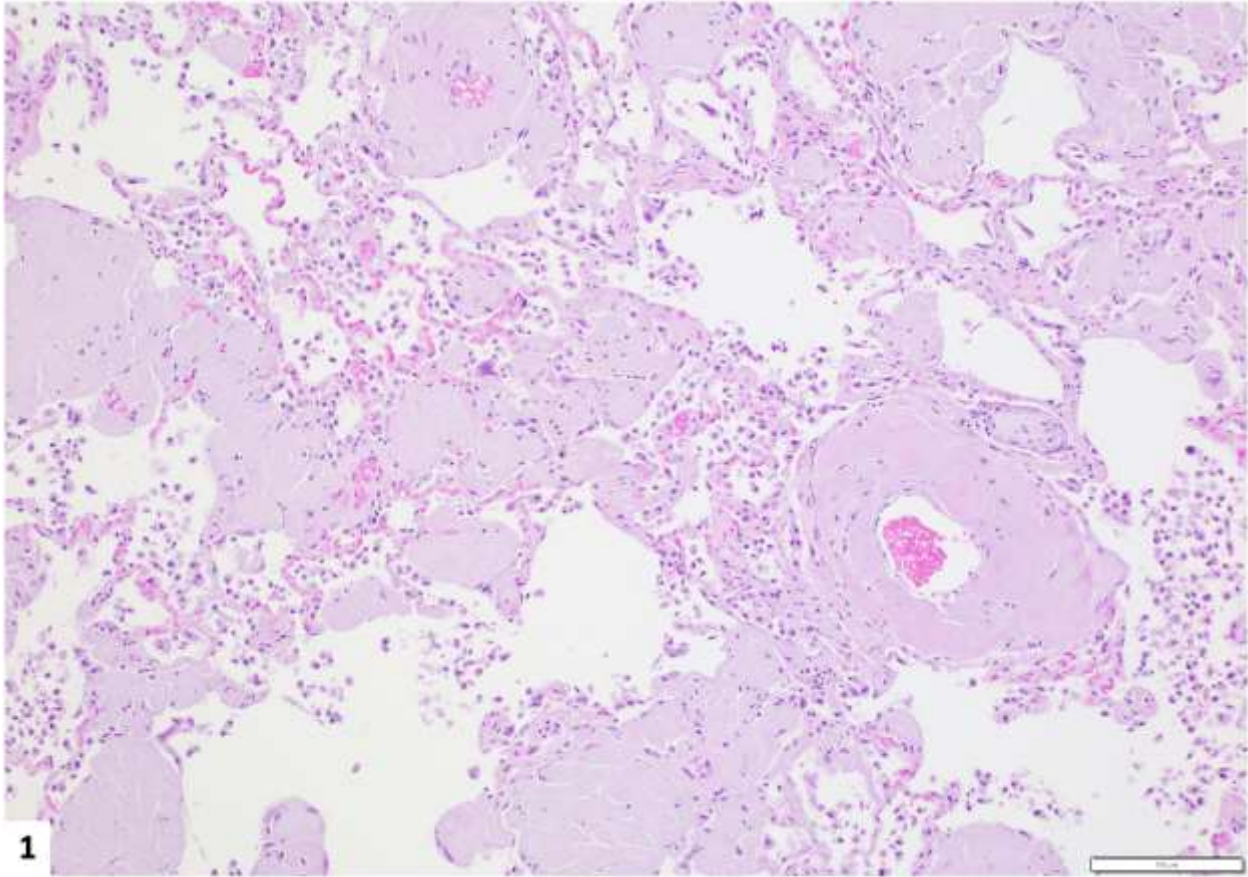
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History: The carcass of a 14-year-old, female Boston Terrier was submitted for necropsy. The clinical history for the last year was dominated by recurrent and progressive episodes of dyspnea, stertor, and tachypnea. The patient had a prior history of a grade 3 cutaneous mast cell tumor that was excised years ago. Clinical investigations during the dog's life included thoracic radiographs, which revealed a mild patchy interstitial pattern and tracheal collapse. The owner declined blood analysis and other diagnostics on several occasions due to financial constraints. The final episode was characterized by a severe respiratory crisis with oxygen saturation below 90%. Given the poor prognosis and the animal's deteriorating condition, humane euthanasia was performed.

Necropsy findings: The carcass was received frozen. The dog was in good body condition. The atrioventricular valves had mild, white, nodular thickening (endocardiosis). The liver was subjectively enlarged with rounded margins and contained a single mass approximately 7 cm in diameter. The rest of the hepatic parenchyma showed no significant gross abnormalities. No other gross lesions were observed in the remaining organs. Samples were collected from the lung (Figs. 1-3), liver, kidney, spleen and other internal organs.



Follow-up questions:

- Morphologic diagnosis:
- Etiology:
- Name the disease:

*The Diagnostic Exercises are an initiative of the Latin Comparative Pathology Group (LCPG), the Latin American subdivision of The Davis-Thompson Foundation (DTF). 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 DTF website.

(<https://davisthompsonfoundation.org/diagnostic-exercise/>)

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