



Diagnostic Exercise

From The Davis-Thompson Foundation*

Question Sheet

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Contributors: Mary E. Robison¹ DVM student; Ingeborg M. Langohr¹, DVM, MS, PhD, DACVP; Daniel B. Paulsen¹, DVM, PhD, DACVP; Jessica Cockrell², RVT; Jacob Kraemer²; Marc Valitutto², VMD; Mariano Carossino¹, DVM, PhD, DACVM, DACVP.

¹Louisiana Animal Disease Diagnostic Laboratory (LADDL) and Department of Pathobiological Sciences, School of Veterinary Medicine, Louisiana State University, LA, USA. mcarossino1@lsu.edu

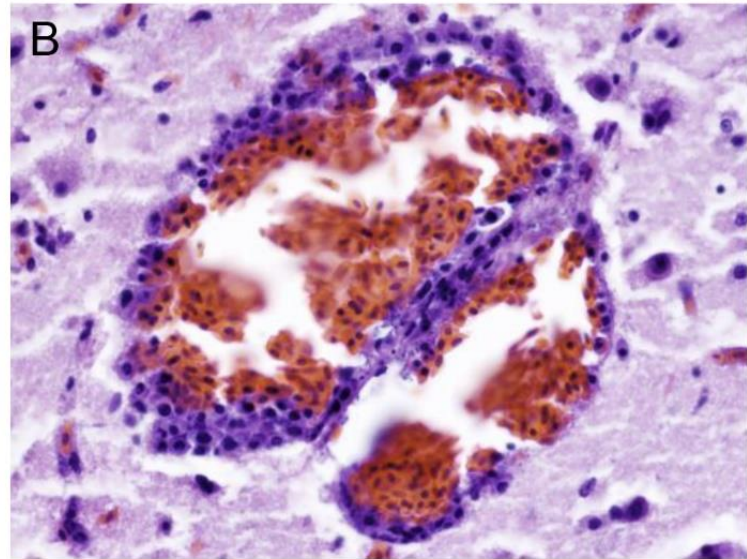
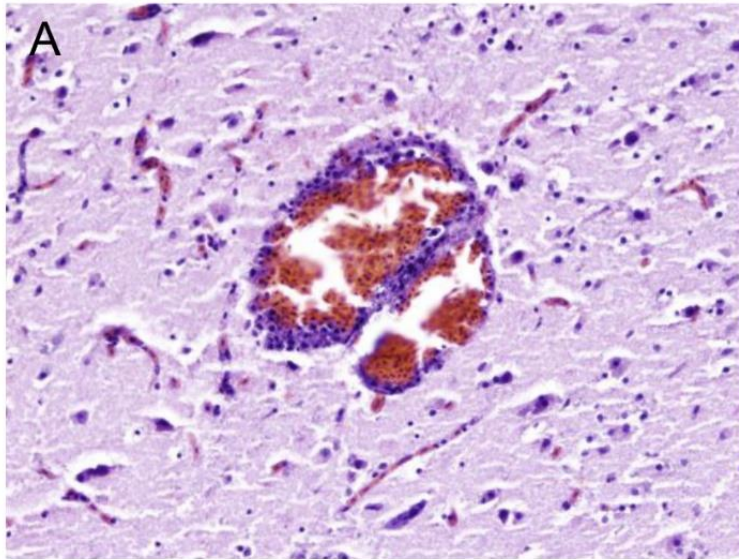
²Pinola Conservancy, Shreveport, LA, USA.

The contributors: acknowledge the efforts of Ms. Ella Robison, who has worked up this case very nicely during a rotation with us.

Clinical History: A 3-month-old, male Tufted Duck (*Aythya fuligula*) was found dead at a local aviary. The bird was in good body condition with no prior history of disease. It was submitted to the Louisiana Animal Disease Diagnostic Laboratory (LADDL) for postmortem examination.

Necropsy Findings: Gross findings were restricted to diffusely reddened lungs.

Microscopic Images:



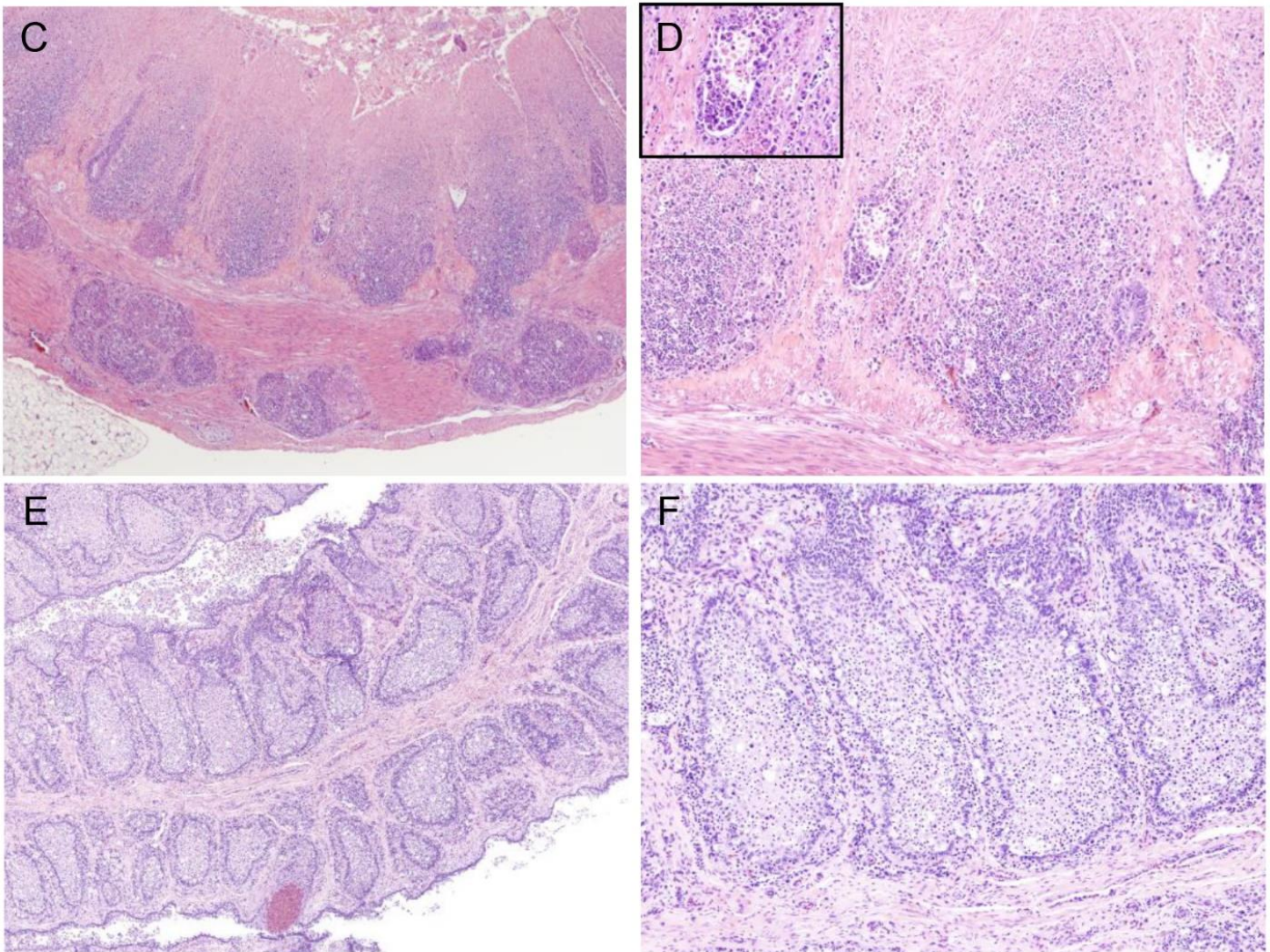


Figure 1: (A and B) Brain. H&E, 200X and 400X. (C and D) Small intestine. H&E, 40X and 100X; inset: 200X. (E and F) Bursa of Fabricius. H&E, 40X and 100X

Follow-up questions:

- *Key histologic alterations depicted in the figure panel.*
- *Morphologic diagnosis/diagnoses.*
- *Three possible causes.*
- *Lesions expected in other tissues (mention at least 2).*

Associate Editor for this Diagnostic Exercise: Mariano Carossino

Editor-in-chief: Claudio Barros

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