



Diagnostic Exercise

From The Davis-Thompson Foundation*

Case #: **178** Month: **December** Year: **2021**
Question Sheet

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Clinical history: a free-ranging South American coati (*Nasua nasua*) was found on a farm, apparently injured. Clinical examination at the Wildlife Division revealed cachexia, alopecia along the dorsal neck, suggestive of scabies, secretion in the oral cavity, and neurological signs (locked jaw, paraplegia, unresponsiveness to physical restraint). Due to poor prognosis, euthanasia was performed. After necropsy, tissue samples were sent to the Pathology Division of the Adolfo Lutz Institute in São Paulo, Brazil, as part of a wildlife disease surveillance program.

Gross image:



Figure 1. Right kidney on the left and left kidney on the right.

Microscopic images:

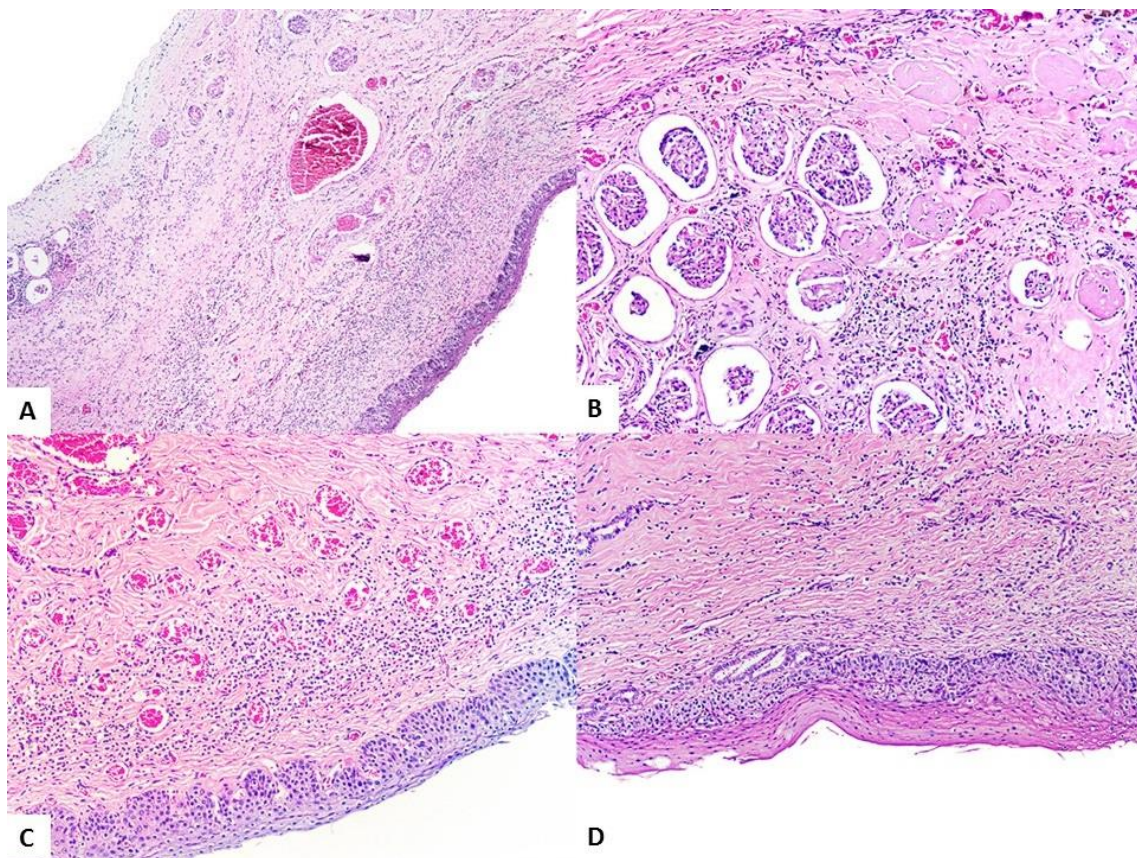


Figure 2. A, B, C and D: Kidney sections, H&E stain.

Follow-up questions:

- (1) *Microscopic description*
- (2) *Morphologic diagnosis*
- (3) *Etiology*

*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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