



Latin Comparative Pathology Group

The Latin Subdivision of the CL Davis Foundation

Diagnostic Exercise

Case #: 56 Month: May Year: 2015

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Clinical History: 27-year-old, male red-headed amazon parrot (*Amazona viridigenalis*) presented to necropsy with a reported 1-month history of polyuria and polydipsia (PUPD) with associated watery malodorous feces. The PUPD had worsened over the last 2 weeks and was associated with suspected weight loss. Over the last two days, there were increased respiratory sounds and suspected sinus congestion. The bird was fed an all seed diet with supplementation with small amounts of raw vegetables. On physical exam there was mild hyperkeratosis of the pelvic limbs and asymmetry to the nares. A thin epithelial plaque was overlaying the base of the tongue and there was severe blunting of the choanal papillae. All of the nails were severely overgrown.

Necropsy Findings: At postmortem examination, the individual was in fair nutritional and good postmortem condition. Bilateral pedal hyperkeratosis and severe blunting of the choanal papillae was confirmed. In addition to the thin membrane at the base of the tongue, removal of the tongue revealed additional pale tan, irregular, membranous growths within the oral pharynx. Decalcification and sagittal sectioning of the nasopharynx identified similar growths causing partial obstruction of the nares and upper airway. Dissection revealed marked bilateral enlargement and pallor of the parathyroid glands.

Gross images: Based on the following Figures 1 and 2, please provide: a. Morphologic diagnoses and b. Cause.



Figure 1

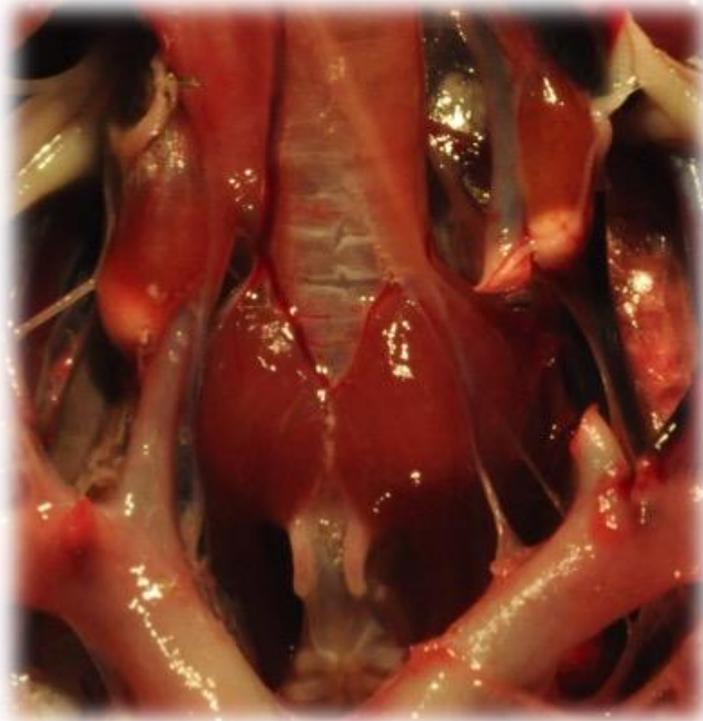


Figure 2

Please send your comments/questions to the whole LCPG list by hitting "reply to all".

A final document containing this material with answers and a brief discussion will be posted on the C. L. Davis website by the end of the current month (http://www.cldavis.org/lcpg_english.html).

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