

Diagnostic Exercise

From The Davis-Thompson Foundation*

Case #: 116 Month: March Year: 2019

Contributors: Omar Gonzales-Viera DVM, PhD and Asli Mete DVM, PhD, DACVP. California Animal Health and Food Safety Laboratory System, Davis branch, University of California, Davis.

Clinical History: Eight 3-to-4-week-old Cornish cross broiler chicken carcasses were submitted for post mortem examination. The birds are raised on pasture and received coccidiosis and *E. coli* vaccines on the farm.

Necropsy Findings: Emaciated body condition, generalized pallor and small bursas. All chickens also had marked diffuse thickening of the proventricular wall (Fig. 1, black asterisk) and marked diffuse thinning of the ventricular muscular wall (Fig. 1, white asterisk). The crop and ventriculus contained small amount of granular mash feed (Fig. 1).

Gross image:



Fig. 1. Proventricular wall (black asterisk) and ventricular muscular wall (white asterisk). Scale bar = 1cm.

Follow-up questions: Provide most common microscopic findings, name of the disease, and 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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