



# Diagnostic Exercise

## From The Davis-Thompson Foundation\*

Case #: **196** Month: **September**; Year: **2022**  
Question Sheet

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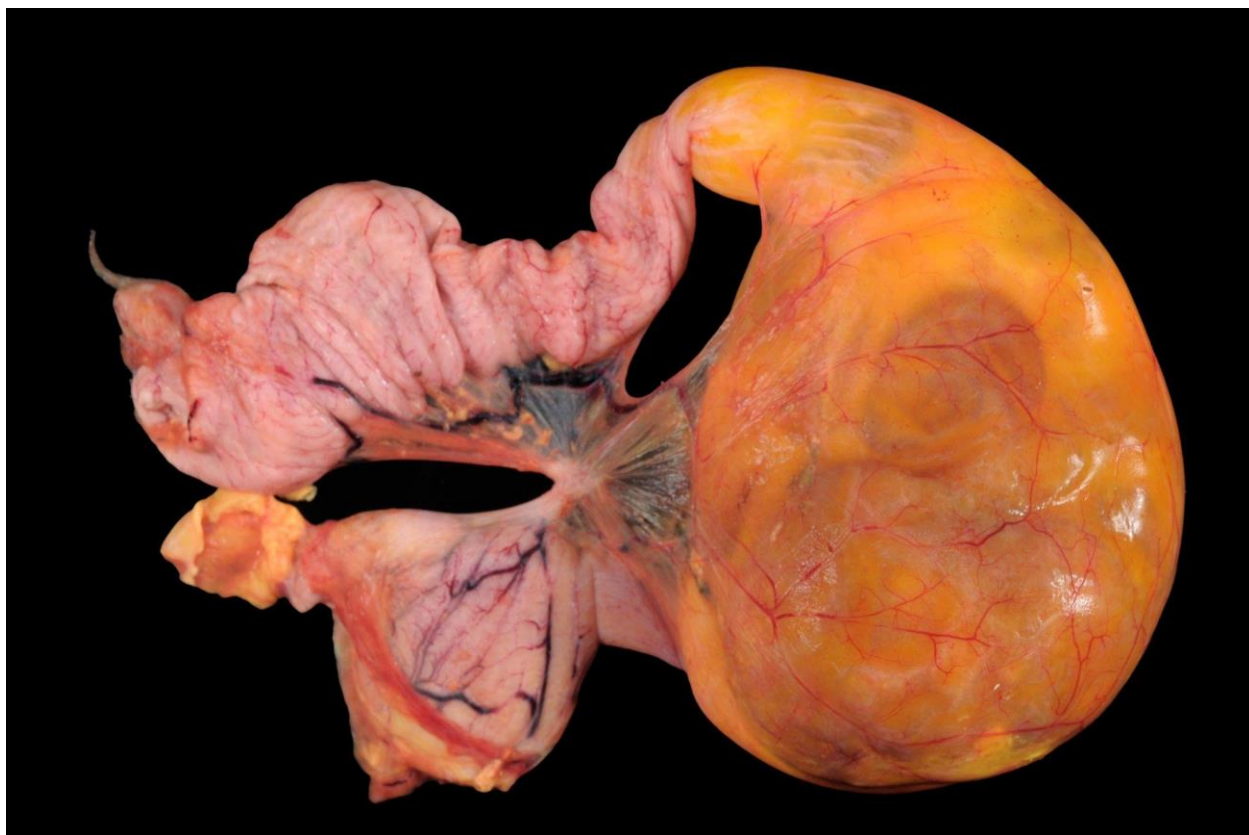
**Clinical History:** An approximately 3-year-old backyard/hobby hen had a 2-day history of marked coelomic distention and ulcerative dermatitis surrounding the cloaca with numerous associated fly larvae. Due to a poor prognosis, the chicken was euthanized and submitted for necropsy. Fourteen other birds in the flock were not clinically affected.

**Necropsy Findings:** The coelomic cavity was markedly distended with abundant light yellow to light pink, cloudy fluid, fibrin strands, and conglomerates of yolk. The isthmus of the oviduct, 3 cm cranial to the shell gland, was segmentally, severely dilated (16.5 x 10 x 5.5 cm), and lined by extremely thin mucosa (Figure 1). The associated oviduct lumen had a large conglomerate of approximately 17 egg yolks, coagulated albumin, and shell membranes (Figure 2).

Approximately 2 cm proximal to the oviductal dilation, there is a 1.5 cm x 1.1 cm x 0.5 cm, white, firm nodule within the oviductal wall. One of the ovarian follicles is firm and light yellow. Along the serosal surface of the cecum and ventriculus, there are 6, pale tan, raised nodules measuring up to 0.8 cm in diameter. At the level of the rudimentary right oviduct is a thin-walled cyst that measures 2.0 cm x 1.5 cm x 0.5 cm and was filled with approximately 3 ml of cloudy white fluid.

The skin ventral and ventrolateral to the vent had two, 8.5 cm x 5.0 cm and 2.5 cm x 2.0 cm, irregularly marginated, map-like, dark green to black ulcers with >50 intralesional fly larvae (maggots). Two full-thickness skin perforations measuring 0.7 cm and 2.0 cm in diameter extended into the coelomic cavity.

**Gross images:**



**Figure 1**



**Figure 2**

**Follow-up questions:**

1. *Morphologic diagnosis*
2. *Name of the condition*

\*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](http://www.cldavis.org/diagnostic_exercises.html)).

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