



Diagnostic Exercise

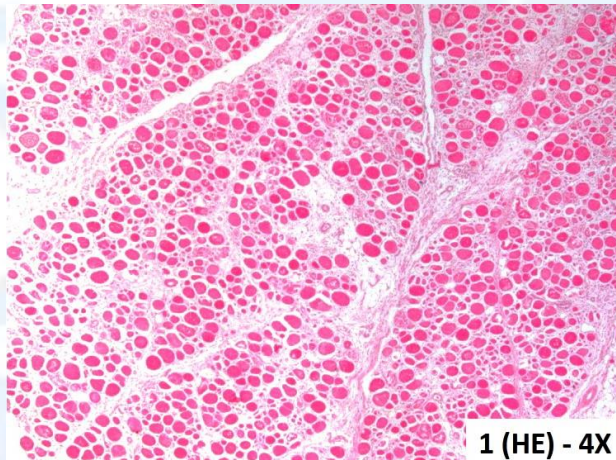
From The Davis-Thompson Foundation*

Case #: 80 Month: May Year: 2017

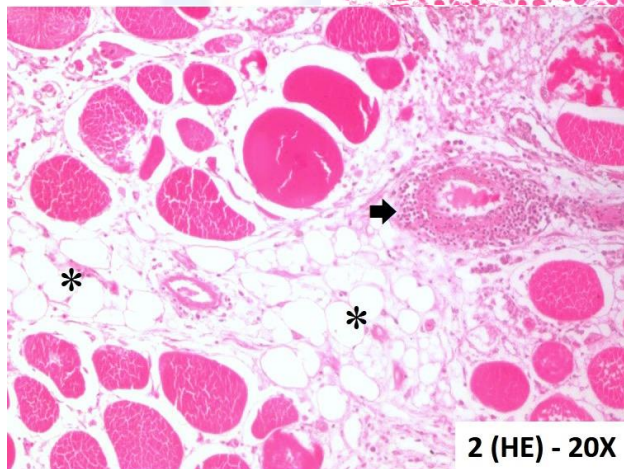
Contributor: Carlos Daniel Gornatti Churria, Med. Vet., Doctorando en Cs. Vet., Ayudante Diplomado Exclusivo. Cátedra de Patología de Aves y Pilíferos y Laboratorio de Diagnóstico de las Enfermedades de las Aves y los Pilíferos, Facultad de Ciencias Veterinarias, calle 60 y 118 s/n, La Plata (CC 296 B1900AVW), Provincia de Buenos Aires, Argentina.

Clinical history, laboratory and necropsy findings: formalin-fixed pectoral muscle samples of slaughter-age broiler chickens were submitted without available information related to the clinical history, laboratory or necropsy findings of the affected flock(s).

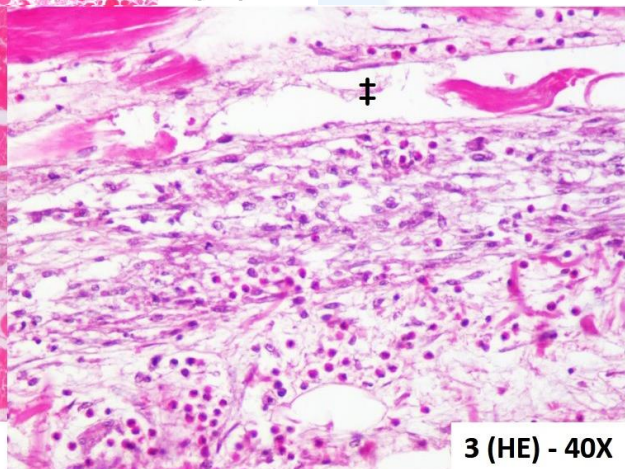
Microscopic images:



1 (HE) - 4X

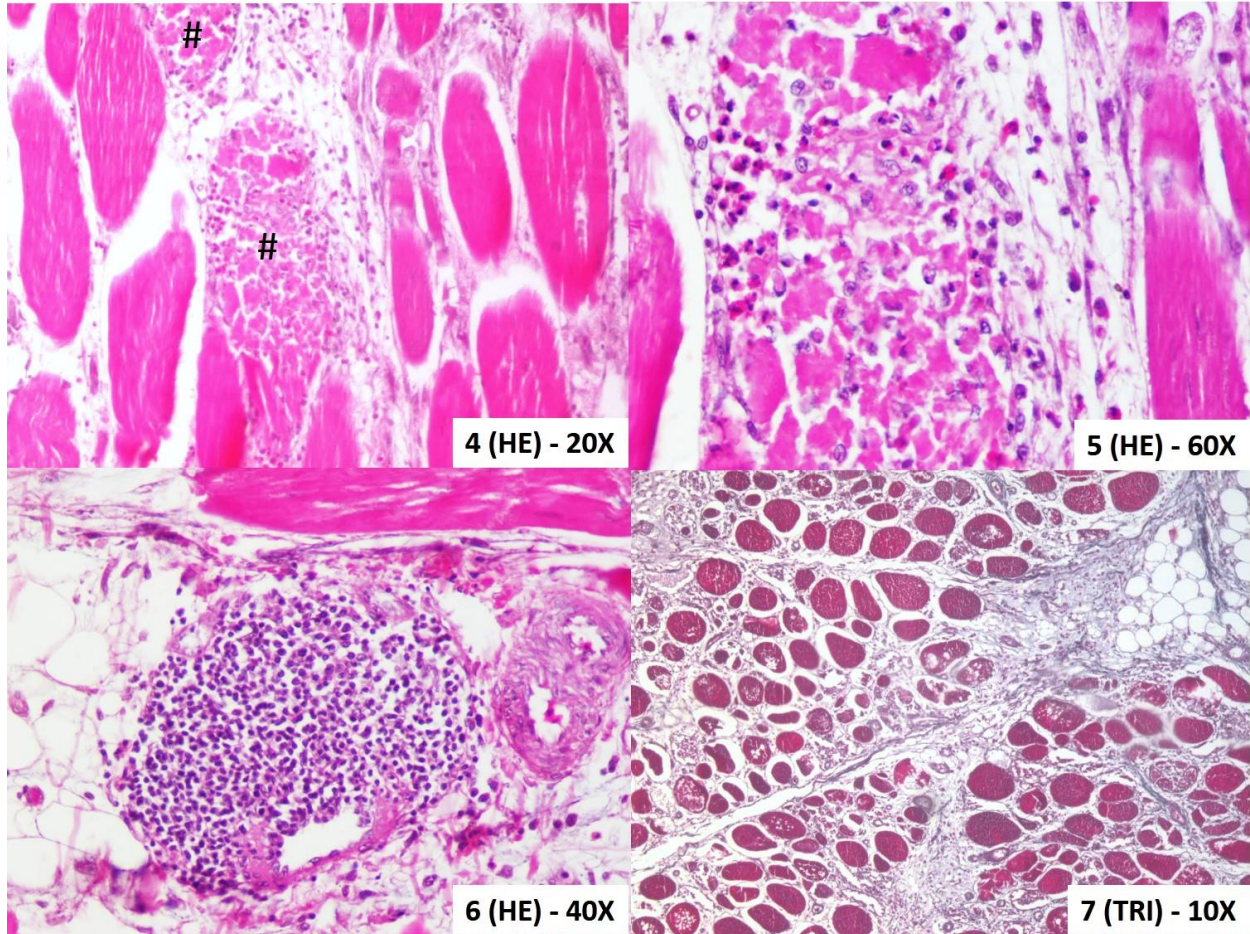


2 (HE) - 20X



3 (HE) - 40X

Figures 1-3; Chicken, skeletal muscle, hematoxylin and eosin (HE) stain; 1 - transverse section (4X), 2 - transverse section (20X), 3 - sagittal section (40X).



Figures 4-6; Chicken, skeletal muscle, HE stain; 4 - sagittal section (20X), 5 - sagittal section (60X), 6 - sagittal section (40X). **Figure 7;** Chicken, skeletal muscle, Gomori's trichrome stain; transverse section (10X).

Follow-up questions: 1-Microscopic description: description for each of the seven microscopic images (Figures 1-7); 2-Microscopic morphologic diagnosis; 3-Typical gross findings of the two presentations of this condition; 4-Associated clinical pathology finding; 5-Name of the condition: please provide the names of the two related gross presentations of this condition; 6-Differential diagnoses: please provide a full differential diagnoses list of breast myopathies/myositis of poultry.

*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).

Associate Editor for this Diagnostic Exercise: Ingeborg Langohr
Editor-in-chief: Vinicius Carreira