



Latin Comparative Pathology Group

The Latin Subdivision of the CL Davis Foundation

Diagnostic Exercise

Case #: 46 Month: July Year: 2014

Contributor: Josué Díaz-Delgado, DVM, MSc, PhD student, Anatomic Pathology Resident, Unit of Veterinary Histology and Pathology, Institute for Animal Health (IUSA), Veterinary School, University of Las Palmas de Gran Canaria, Canary Islands, Spain; Department of Veterinary Pathobiology, College of Veterinary Medicine & Biomedical Sciences, Texas A&M University, College Station, TX, USA.

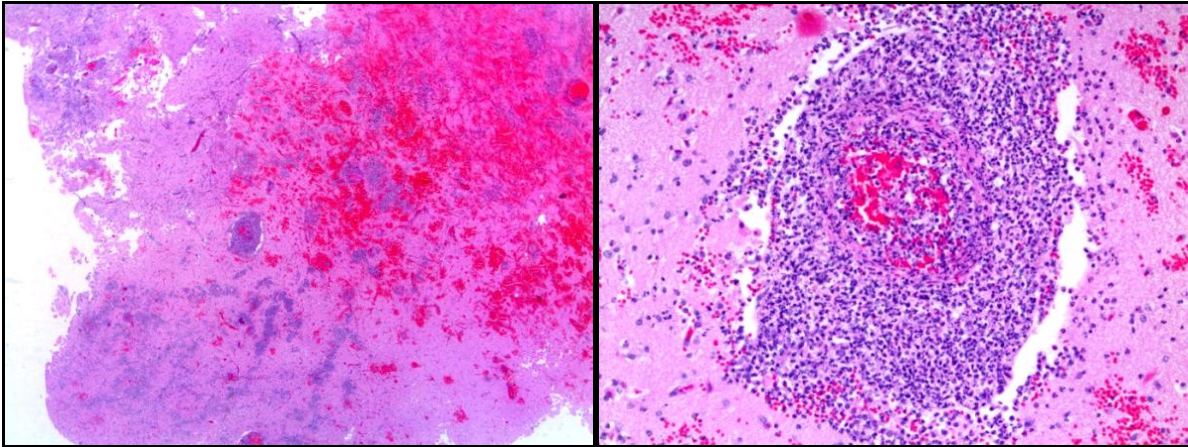
Clinical History: A 28 kg (61.73 lb), 136 cm-long, male calf striped dolphin (*Stenella coeruleoalba*) was presented for necropsy in good nutritional status and fresh. The individual stranded alive in Bahía Feliz (27.78, -15.52), Gran Canaria (Spain) and died shortly after during handling.

Necropsy findings: Multifocal to coalescing, 0.5 to 4.2 cm in diameter, well-demarcated, dark red to pink, friable foci were noted within the left temporal lobe (Figure 1) extending to the ipsilateral lateral ventricle and scattered in the thalamus.



Figure 1

Microscopic images:



Figures 2 (left). Hematoxylin and eosin stain (H&E, 2x). **Figure 3 (right).** H&E (10x).

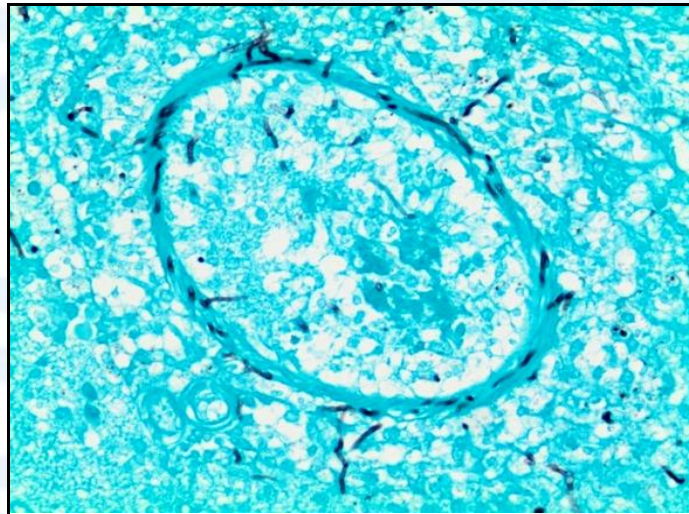


Figure 4. Grocott stain (20x).

Follow-up questions: Please describe the microscopic findings in the H&E (Figures 2 and 3) and Grocott (Figure 4) stains. Provide differential diagnoses considering these data. Any associated condition(s)?

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).