



Diagnostic Exercise

From The Davis-Thompson Foundation*

Case #: 66 Month: March Year: 2016

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Clinical History: A 12-year-old, male domestic short hair cat was presented for assessment of a mandibular mass. The mass had increased in size over a period of two months from 1-2 cm to approximately 6-7 cm. As per the owner, the patient had not been coughing, sneezing, vomiting, or having diarrhea. Likewise, the appetite was reported as normal, but the owner reported difficulty feeding the cat due to the mandibular mass interfering with normal prehension. Due to the advanced age and likely poor prognosis, the animal was euthanized and submitted to necropsy. Fine needle aspirate was not diagnostic. The cytology slide had few spindle cells insufficient for the diagnosis. Radiographs revealed a mass in the lower left jaw with severe bone destruction and evidence of osteolysis.

Necropsy Findings: The necropsy revealed a unilateral left rostral mandibular mass. The mass was hard, distorting and replacing the mandible bone. A 1 cm ulcer was found at the level of the incisors. The left incisors, canine tooth and first premolar were missing. There were no other relevant findings.

Gross images:



Figure 1 - Cross section of the mandible with skin (bottom right) and tongue (top) around the mass.

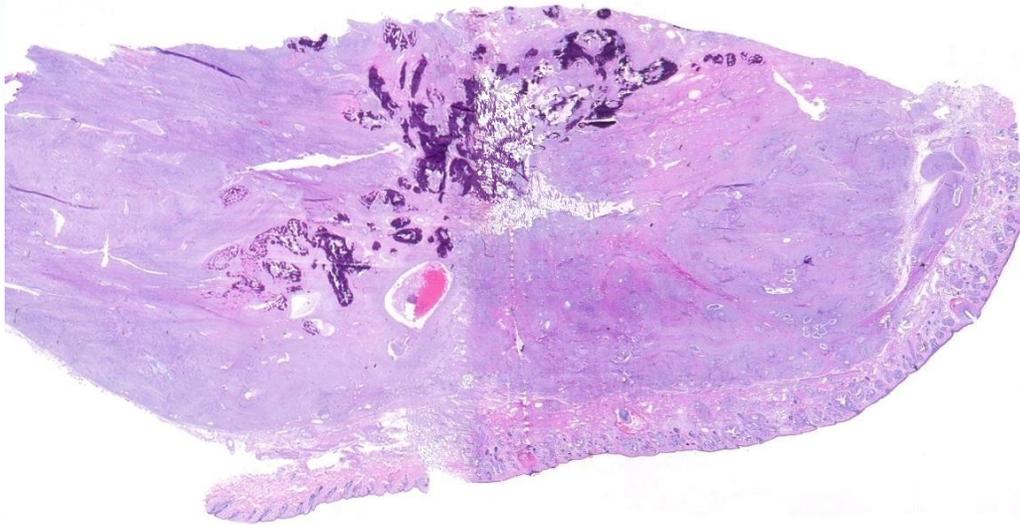


Figure 2 - Subgross appearance of the mandibular mass.

Follow-up questions: Morphological diagnosis, microscopic findings, and differential diagnosis(es).

*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/diag_exercise.html).

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