



PATIENT

Shadow McDonald

PRESENTING CLINICAL SIGNS

Shadow developed a 3 cm mass on right lower lip. Incisional biopsy performed on January 11 histopathology revealed adenocarcinoma with lymph vascular invasion. CT scan head and thorax performed today for surgical planning and staging

SPECIES

Abnormal PE/Chem/CBC/UA Results: On physical 3.2 cm right mandibular lymph node. Other lymph nodes of normal size. Elevated ALT 279, ALP 233, lymphenia 0.94

Canine

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD & THORAX

BREED

Plain and post contrast studies in soft tissue, bone, and lung windows available for review.

Bull Mastiff X

COMPUTED TOMOGRAPHIC FINDINGS

Head

SEX

Redundant upper and lower lips are seen. It remains unclear whether a discrete mass of the right lower lip is still present since the redundant lips are folded upon themselves repeatedly.

MN

No evidence of aggressive osteolytic changes of the right mandible are seen.

AGE

4 Years

Triadan 402 is absent. The remaining teeth present within age related normal limits.

One of the right submandibular lymph nodes measures 3 x 1.6 cm and presents peripheral fat stranding as well as heterogeneous contrast enhancement. The left submandibular and bilateral retropharyngeal lymph nodes present within normal limits.

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

A moderate amount of hypoattenuating material is seen within the medial aspect of both external auditory meatuses and extends into the mesotympanum of the tympanic bullae. The conformation of the external auditory meatuses is narrow. Moderate generalized thickening of the epithelial lining and multiple wall metaplasia are seen.

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Thorax

A focal mineralization is seen within the left supraspinatus tendon.

REFERRING VET

Jerome Gagnon

The sternal, cranial mediastinal and tracheobronchial lymph nodes are small elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern are uniform and considered within normal limits.

The cardiovascular structures including the pulmonary vasculature are within normal limits.

INVOICE

56741

The bronchial tree presents with regular branching and tapers uniformly towards the periphery as expected, the bronchial walls are thin and smooth. The bronchus-to-artery ratio is within normal limits.

DATE

2-14-23

The lung parenchyma presents the expected architecture and attenuation behavior.

Small incidental gas pockets are seen within the esophageal lumen, there is no evidence of abnormal dilation.



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A mild amount of mineral attenuating material is present within the gallbladder.

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COMPUTED TOMOGRAPHIC DIAGNOSIS

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Canine

- History of adenocarcinoma of the right lower lip
- Right submandibular lymphadenomegaly
- Chronic bilateral otitis externa
- No evidence of pulmonary metastases.
- Biliary microlithiasis.

BREED

Bull Mastiff X

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The mass in the right lower lip cannot be delineated accurately against the redundant lip folds. However, there is no evidence of osseous involvement.

SEX

MN

The right submandibular lymphadenomegaly suggests potential for metastatic disease. Reactive hyperplasia cannot be ruled out as a differential diagnosis and fine needle aspiration, or a biopsy are recommended for further definition.

AGE

4 Years

INTERPRETED BY

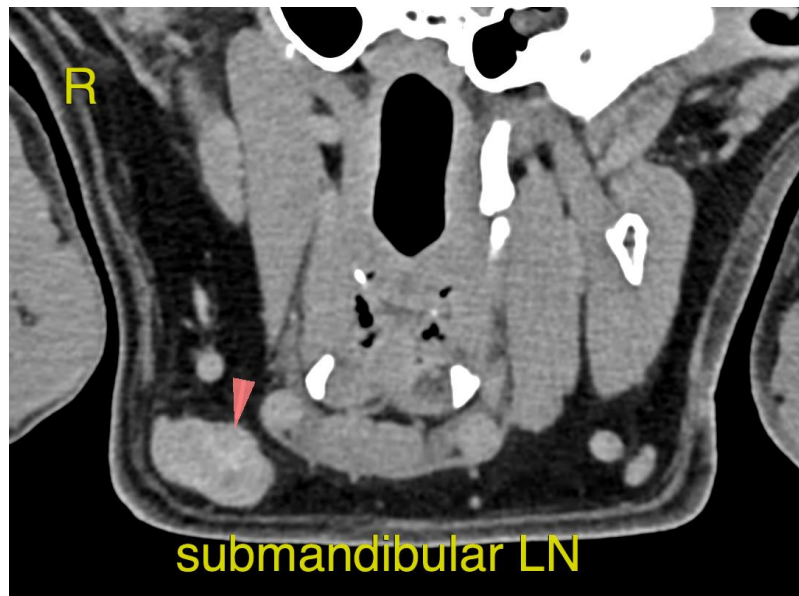
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SPECIES

Canine

BREED

Bull Mastiff X

SEX

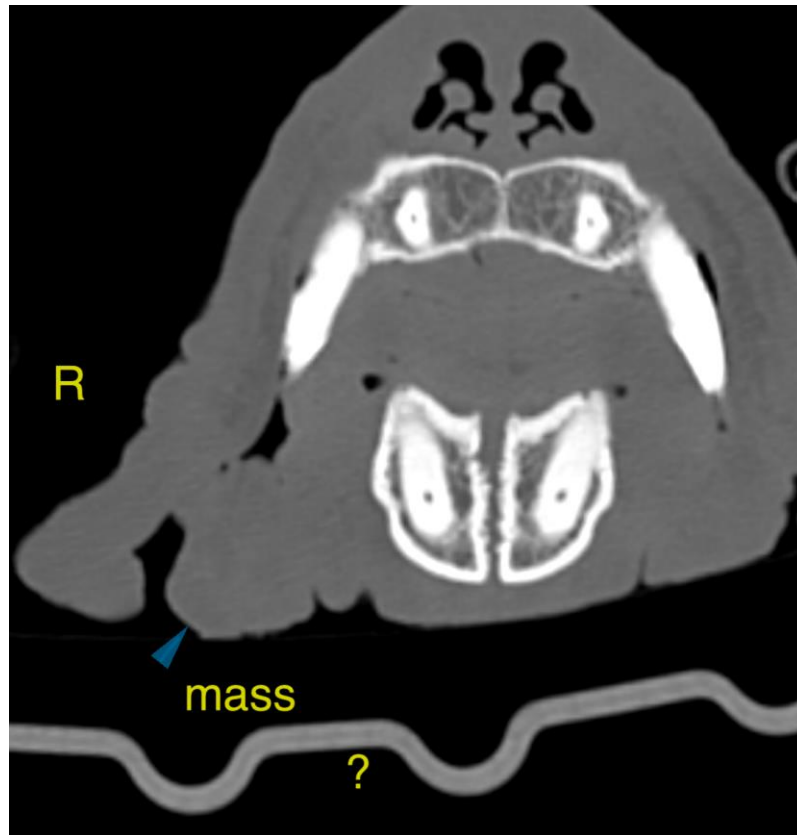
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

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