



PATIENT

Sadie Jeffrey

PRESENTING CLINICAL SIGNS

1 Pre and 2 Post scans of the head is being submitted for evaluation of left sided jaw mass suspicious for osteosarcoma

SPECIES

Canine

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD

Plain and post contrast studies available for review.

BREED

Labrador Retriever

COMPUTED TOMOGRAPHIC FINDINGS

A large irregular shaped expansile aggressive osteolytic mass of the left caudal mandible is seen. The mass measures approximately 7.5 cm in length, 6 cm in height, and 4 cm in width. The mass extends from the distal root of the triadan 308 on caudally up to the level of the temporomandibular joint. The left maxillary fovea, however, is spared. Permeative aggressive osteolysis, expanding and thinning of the mandibular cortices, and a large amount of spiculated new bone formation is noted. A soft tissue component of the mass extends beyond the limits of the bones and presents moderate heterogeneous contrast enhancement.

SEX

FS

The left submandibular and medial retropharyngeal lymph nodes are mildly enlarged.

AGE

9 Years

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Monostotic aggressive osteolytic lesion of the left caudal mandible.
- Mild left submandibular and medial retropharyngeal lymphadenomegaly.

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT study reveals a monostotic aggressive osteolytic lesion of the left caudal mandible. The findings are compatible with the suspicion of a primary neoplasia of bone such as osteosarcoma or chondrosarcoma which are the most likely differential diagnoses. However, other malignancy such as round cell neoplasia, other primary neoplasia of bone, or metastatic disease cannot be ruled out entirely even though considered by far less likely. Final diagnosis would require sampling for histology. Surgical excision of the mass would require left hemimandibulectomy.

HOSPITAL NAME

Cranberry Holistic
Pet Care

The lymph node changes are equivalent for reactive hyperplasia versus early metastatic disease. Consider fine needle aspiration for further definition.

REFERRING VET

Cynthia Maro

INVOICE

52141

DATE

5-13-22



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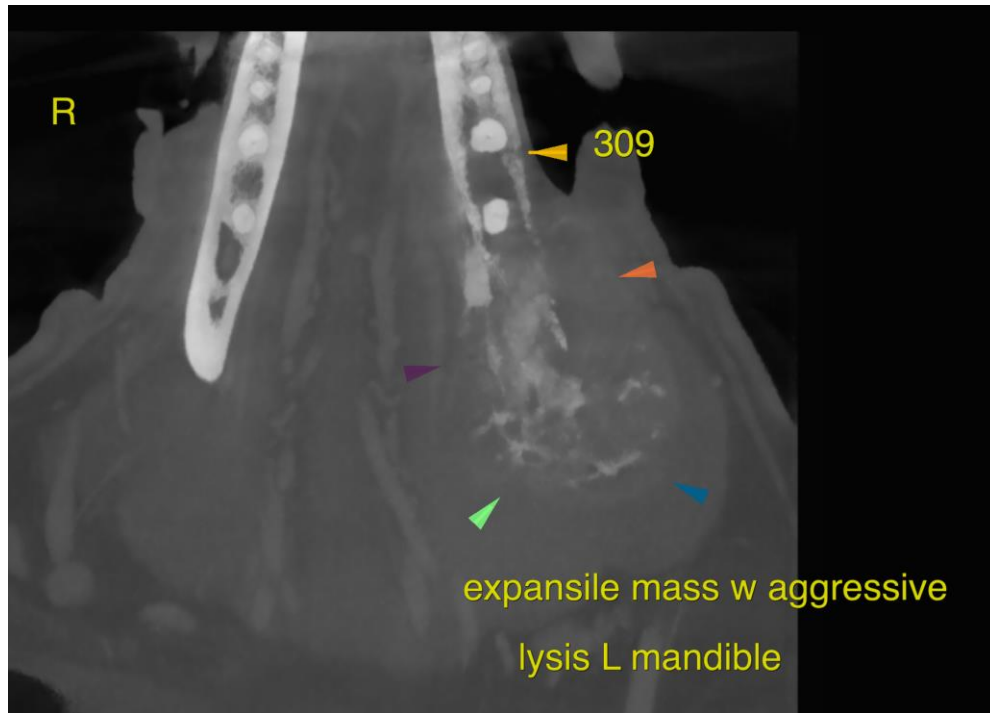
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

HOSPITAL NAME

Cranberry Holistic
Pet Care

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.

Nele Eley, DVM, Dr. med. vet., DipECVDI
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Senior lecturer University of Giessen, Germany, Veterinary Faculty, Department of Radiology
Nele.Eley@sonopath.com

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