



PATIENT PRESENTING CLINICAL SIGNS

Bell Cozzati Open abscess/mass Left side of face

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD

SPECIES

Plain and post contrast studies available for review.

Canine

COMPUTED TOMOGRAPHIC FINDINGS

BREED

Beagle

The brain presents no deviation from normal anatomy and symmetry. The grey and white matter distinction and the neuroparenchymal attenuation are as expected. The distribution of contrast enhancement is within normal limits throughout the parenchyma and meninges. The ventricular system is non-dilated and within the limits of the expected volume and symmetry.

SEX

Female Spayed

Thin and smoothly folded conchae and turbinates with even smooth mucosal lining.

Both temporomandibular joints present congruent joint spaces with even subchondral bone surfaces and are considered within normal limits.

AGE

13 Years

The left tympanic bulla contains a moderate amount of fluid attenuating material.

A large irregular shaped and ill-defined cavitating mass of approximately 10 cm diameter is seen ventral and caudal of the left mandible. The mass extends lateral and medial of the caudal left mandible causes nasopharyngeal and oropharyngeal obstruction owing to its mass effect. The lesion margins are ill-defined. The anatomy of the left mandibular salivary gland is distorted, and focal mineralization is noted. The mandibular gland tissue cannot be completely delineated from the mass. The left lateral submandibular lymph node appears to be involved in the mass. The mass presents severe cavitation with multiple septations, contrast sparing fluid attenuating areas, ill-defined margins with extensive peripheral soft tissue swelling, fluid accumulation, and fat stranding. A large amount of amorphous and spiculated periosteal new bone is seen lateroventral and medial of the left mandible.

INTERPRETED BY

Nele Eley (Ondreka),
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HOSPITAL NAME

Mobile Pet Imaging

The left medial retropharyngeal lymph node is severely enlarged at 6 x 5 cm with ill-defined margins, peripheral fat stranding and large cavitations. The larynx and trachea as well as the esophagus are pushed to the right side.

The left medial submandibular and cervical lymph nodes are moderately enlarged.

REFERRING VET

Meaux

The dentition is incomplete. Multiple maxillary and mandibular molar teeth are absent. The remaining teeth present moderate periodontal changes and resorptive lesions. However, no association with the submandibular mass is seen.

COMPUTED TOMOGRAPHIC DIAGNOSIS

INVOICE

50560

- Large cavitating left submandibular mass with presumed aggressive biological behavior.
- Severe cavitating left medial retropharyngeal lymphadenomegaly.
- Left sided otitis media.

DATE

2-25-22



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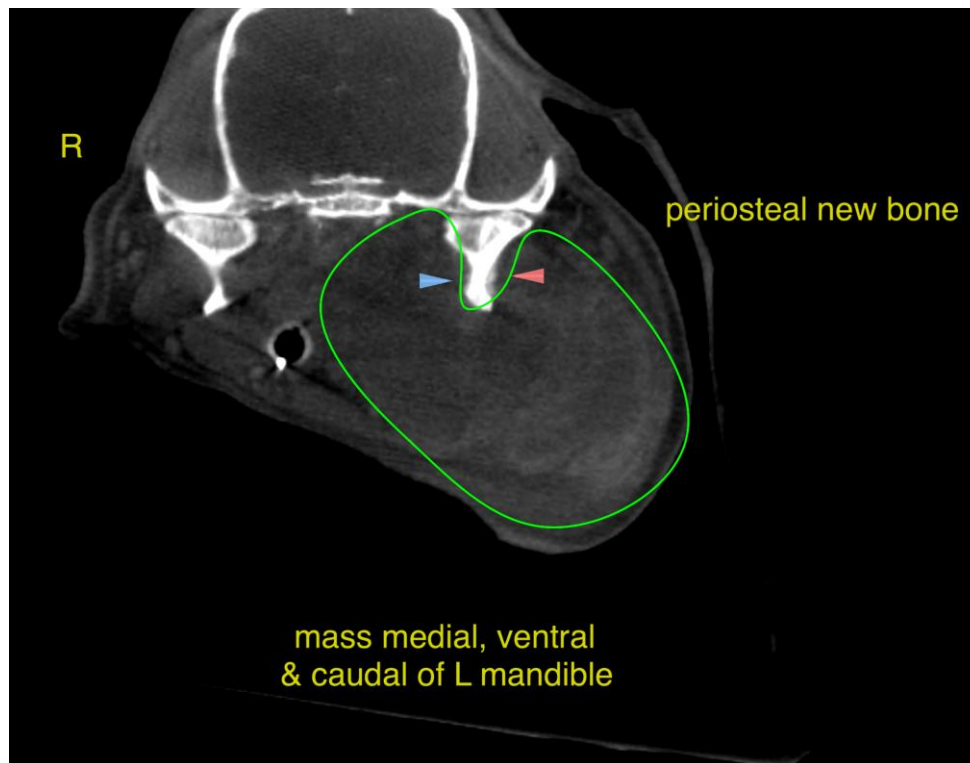
REFERRING VET

Meaux

INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS

The primary suspicion is a soft tissue neoplasia with secondary abscessation or necrosis in the submandibular area with aggressive bone lesions of the left mandible and metastases to the left medial retropharyngeal lymph node. Submandibular abscess formation with abscessation of the retropharyngeal lymph node cannot be ruled out entirely but appears by far less likely based on the CT findings. Differential diagnosis includes soft tissue sarcoma and round cell neoplasia. Carcinoma of the salivary gland is considered less likely but cannot be ruled out entirely. Final diagnosis will require sampling. It may be challenging to obtain diagnostic tissue samples owing to the extensive necrosis/abscessation. Ultrasound guidance could be used in order to determine areas of solid and perfuse tissue.

The otitis media is likely to be a consequence of the pathology in the submandibular and retropharyngeal region.



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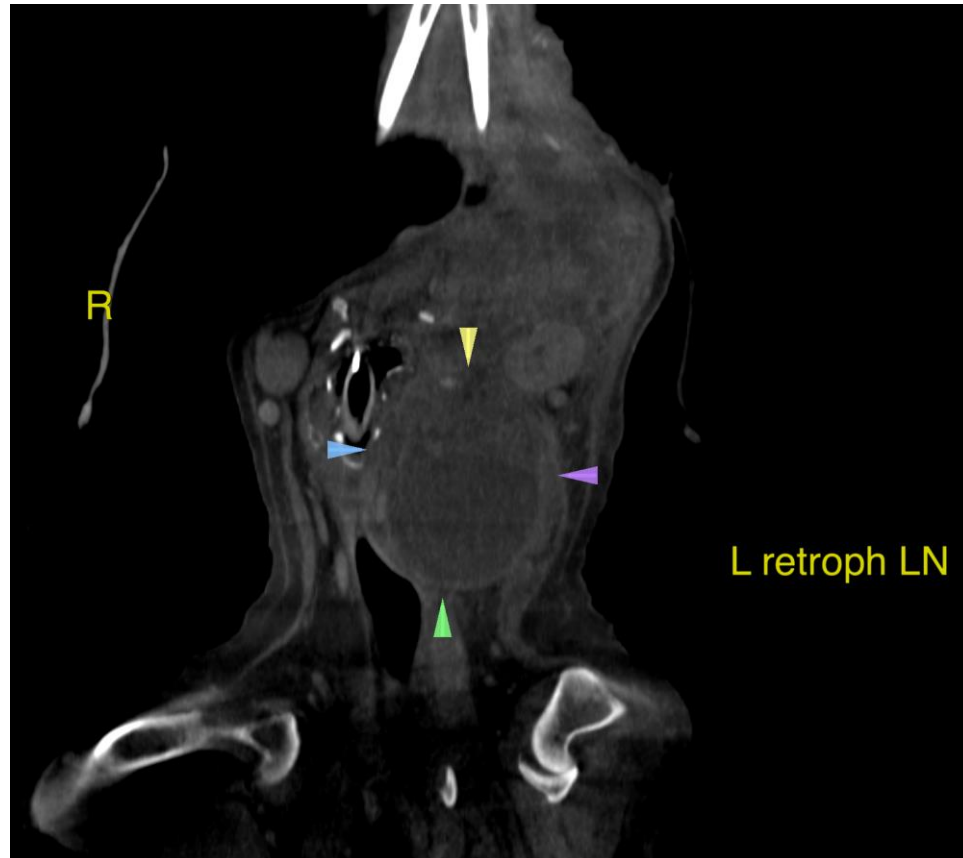
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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