



PATIENT PRESENTING CLINICAL SIGNS

Bentley Mac Donald Presented to surgeon due to Right submandibular swellings. Previous aspirate came back as reactive lymph node.
Abnormal PE/Chem/CBC/UA Results: Palpable swellings Right submandibular area

SPECIES COMPUTED TOMOGRAPHIC STUDY OF THE HEAD & THORAX

Canine Plain and post contrast studies of the head and post contrast study of the thorax available for review.

BREED COMPUTED TOMOGRAPHIC FINDINGS

Mixed **Head**

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

Male Neutered

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

AGE

7 Years

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

Both tympanic bullae are aerated, the mucosal lining is not seen, the bony wall is smooth and thin. The external auditory meatuses present within normal limits.

INTERPRETED BY

Nele Eley (Ondreka),
DVM Dr. med. vet.,
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The right medial submandibular lymph node is severely enlarged and measures 3 cm in length and 2.8 cm in diameter. The right lateral submandibular lymph node is moderately enlarged and measures 1.2 x 1.2 cm. The right medial retropharyngeal lymph node is mildly enlarged and measures 5 x 1.2 cm. The left submandibular and medial retropharyngeal lymph nodes present within normal limits.

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The salivary glands present within normal limits.

The visible dentition is within normal limits.

Thorax

REFERRING VET

Meaux

The bony and surrounding soft tissue structures are within normal limits.

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.

INVOICE

50555

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

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

2-24-22

The lung parenchyma presents the expected architecture and attenuation behavior.



PATIENT

Bentley Mac Donald

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

COMPUTED TOMOGRAPHIC DIAGNOSIS

SPECIES

Canine

- Severe right submandibular lymphadenomegaly.
- Mild right medial retropharyngeal lymphadenomegaly.
- Normal CT findings of the bronchopulmonary and cardiovascular structures.
- No evidence of mediastinal lymphadenomegaly.

BREED

Mixed

SEX

Male Neutered

INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS

The CT study reveals severe right submandibular lymphadenomegaly as well as moderate right lateral submandibular lymphadenomegaly and mild right medial retropharyngeal lymphadenomegaly. No evidence of a potential primary tumor or other pathology in the head region is identified. Differential diagnosis includes neoplastic infiltrate, lymphadenitis, reactive hyperplasia, and granulomatosis. Repetition of the fine needle aspiration or excisional biopsy could be considered for further definition.

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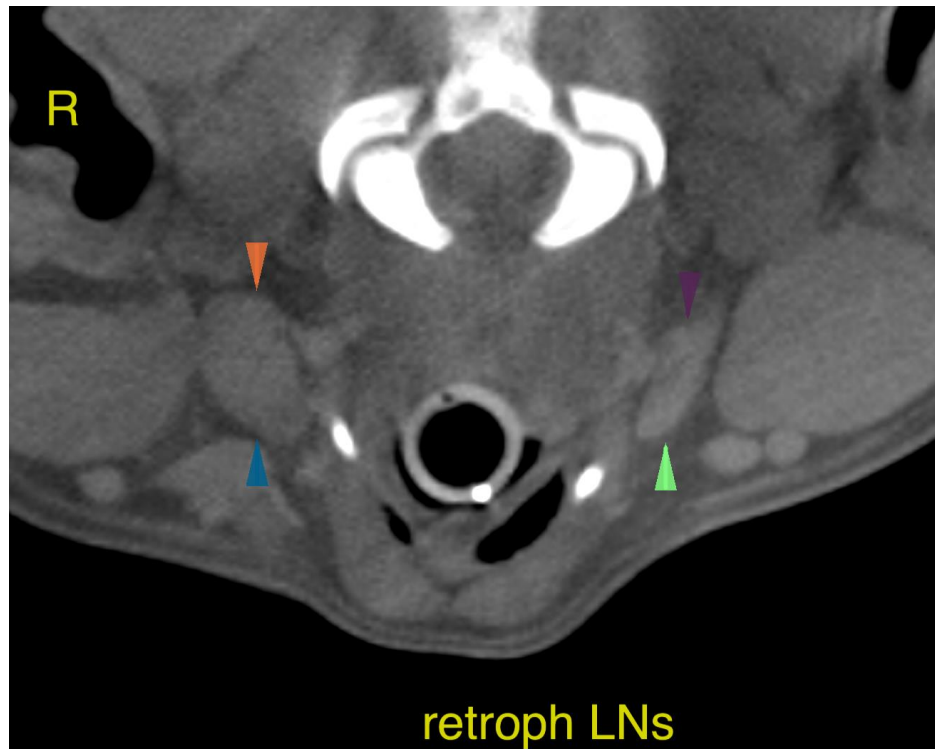
Meaux

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PATIENT

Bentley Mac Donald

SPECIES

Canine

BREED

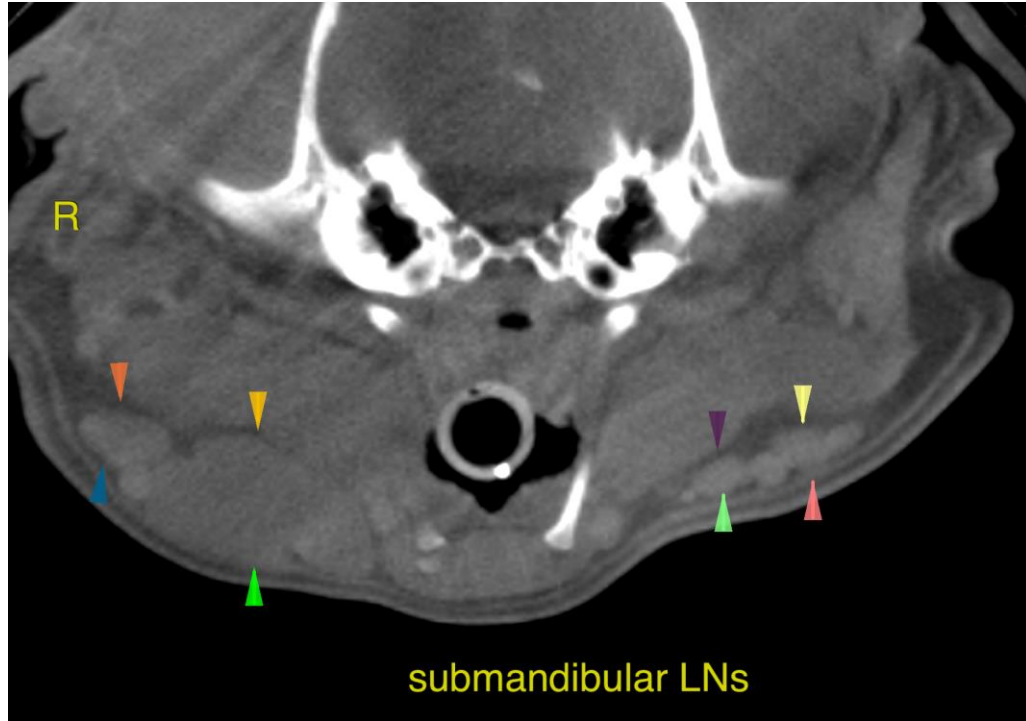
Mixed

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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.

HOSPITAL NAME

Mobile Pet Imaging

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