



**PATIENT**

Banana Keane

**PRESENTING CLINICAL SIGNS**

Pt has had an approximately 1yr history of inability to open the mouth fully, only enough to eat and drink. Pt is VF negative and BW was unremarkable.

**SPECIES**

Canine

**COMPUTED TOMOGRAPHIC STUDY OF THE HEAD**

Plain and post contrast studies available for review.

**BREED**

Labrador Retriever  
Mix

**COMPUTED TOMOGRAPHIC FINDINGS**

Attenuation and volume of the masticatory muscles appear to be within normal limits.

The dentition presents within normal limits other than generalized atrophy of the alveolar bone in all quadrants.

**SEX**

Neutered Male

The nasal cavity presents the expected aerated spaces between thin & even conchae and turbinates with smooth mucosal lining.

Both temporomandibular joints present within normal limits. No evidence of dysplasia, luxation, or erosive arthritis is seen.

**AGE**

5 Years

The tympanic bullae are aerated, the mucosal lining is not seen, and the bony wall is smooth and thin. The external ear canals are within normal limits.

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

The brain presents no deviation from normal anatomy and symmetry. The brain parenchyma is homogeneous and within normal limits for attenuation and distribution of contrast enhancement. The ventricular system is non-dilated and symmetric.

Moderate bilateral medial retropharyngeal and mild bilateral submandibular lymphadenomegaly is seen.

**HOSPITAL NAME**

Queen Creek  
Veterinary Clinic

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Bilaterally symmetric medial retropharyngeal and submandibular lymphadenomegaly.
- Structurally normal temporomandibular joints.
- No structural lesions in the muscles of mastication seen.
- Normal dentition.
- Atrophy of the alveolar crest in all quadrants likely secondary to disuse.

**REFERRING VET**

Dr. McGee

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**INVOICE**

47669

The retropharyngeal and submandibular lymphadenomegaly appears to be the main structural lesion in this patient; however, the pattern of enlargement is unspecific and both reactive lymphadenitis as well as neoplastic infiltrates such as with round cells are a potential. Consider further definition by means of fine needle aspiration.

**DATE**

10-4-21

The normal presentation of the masticatory muscles does not rule out masticatory myositis, other immune mediated polymyopathy, or infectious myopathy such as with neospora, toxoplasma, clostridium, rickettsia, or other. Consider serum 2M antibody testing as well as nerve and muscle biopsies.



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**REFERRING VET**

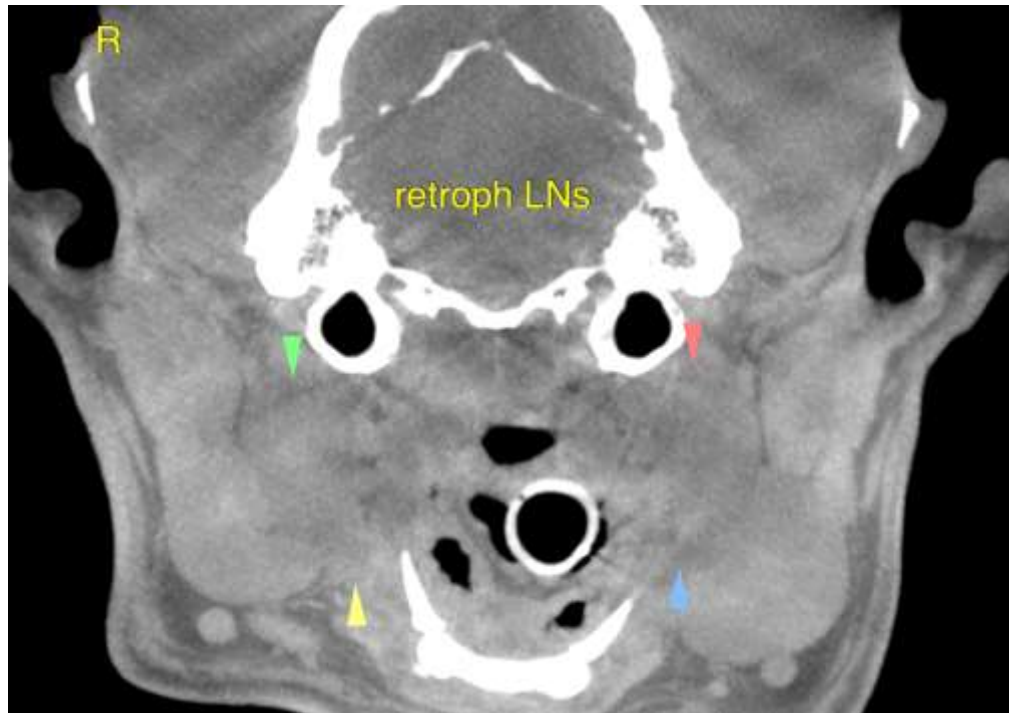
Dr. McGee

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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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