



**PATIENT**

Mimosa O'Grady

**PRESENTING CLINICAL SIGNS**

Significant superficial corneal ulcer OS on 10/30/22, continued to worsen and on 11/19/22 sudden left lateral maxillary/temporal muscle atrophy (quiet severe), palpebral reflex still intact OS- eye has been enucleated following CT scan and is being submitted for biopsy. Abnormal PE/Chem/CBC/UA Results: CBC: WNL Chemistry: BUN 29 (H), ALP 237 (H)

**SPECIES**

Canine

**COMPUTED TOMOGRAPHIC STUDY OF THE HEAD**

Plain and post contrast studies available for review.

**BREED**

Australian Cattle Dog

**COMPUTED TOMOGRAPHIC FINDINGS**

Severe atrophy of the left masticatory muscles including temporalis, pterygoid, and masseter muscles is seen with mildly increased and heterogeneous contrast enhancement indicating active replacement.

**SEX**

Female Spayed

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

**AGE**

11 Years

The visible pathway of the intracranial trigeminal muscle presents no structural deviation from its expected anatomy. Oval and round foramina as well as the orbital fissure present within normal limits.

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

There is mild left sided enophthalmos due to the decreased retrobulbar and retromolar muscle volume.

Pituitary gland height is borderline with 5.5mm.

Bilateral eversion and enlargement of the tonsils is noted.

**HOSPITAL NAME**

Petroglyph Animal Hospital

The left medial retropharyngeal lymph node is mildly enlarged.

A mild amount of fluid attenuating material is present within both frontal sinuses and both nasal cavities.

**REFERRING VET**

Whitney Jones

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Severe left sided masticatory muscle atrophy with active replacement.
- Mild left sided medial retropharyngeal lymphadenomegaly.
- Left sided otitis media.
- Bilateral nondestructive rhinosinusitis.
- Bilateral tonsillitis.
- Left sided enophthalmos.
- Borderline height of the pituitary gland.

**INVOICE**

55302

**DATE**

11-21-22

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Structural abnormality of the intracranial and peripheral branches of the left trigeminal nerve cannot be identified. Nevertheless, there has to be pathology of the left trigeminal muscle such as neuritis, idiopathic neuropathy, or infiltrative disease based on the severe masticatory muscle



**PATIENT** atrophy.

Mimosa O'Grady The otitis media may be a consequence of the neuropathy. However, infectious otitis is a potential too. Note the concurrent presence of nonerosive rhinosinusitis and tonsillitis.

**SPECIES** The lymph node changes are compatible with reactive hyperplasia.

Canine There is borderline pituitary gland enlargement which may represent an anatomic variant. Microadenoma however cannot be ruled out.

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**HOSPITAL NAME**

Petroglyph Animal  
Hospital

**REFERRING VET**

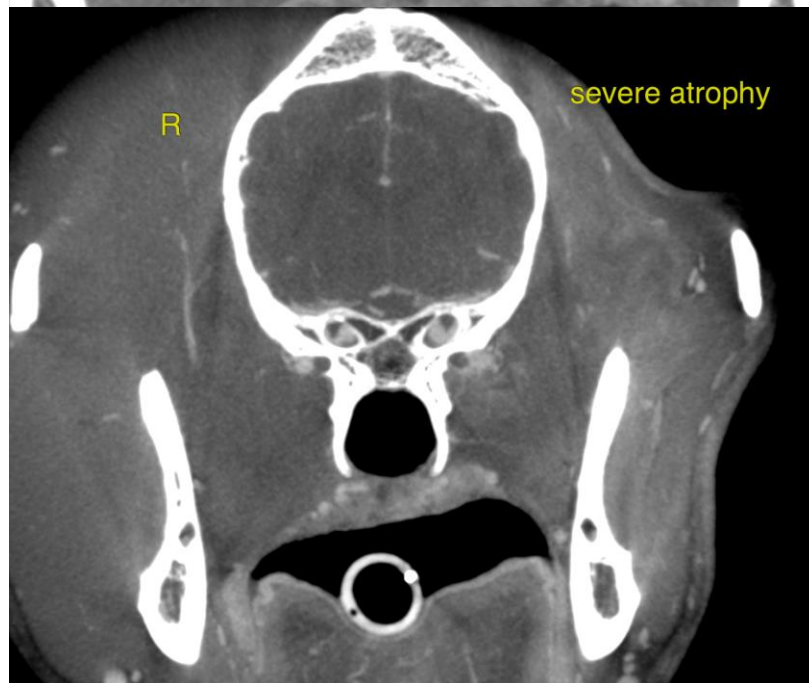
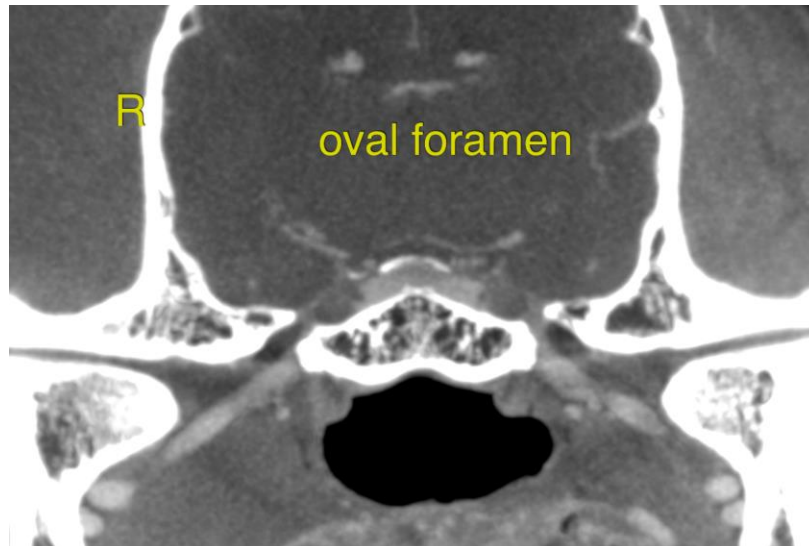
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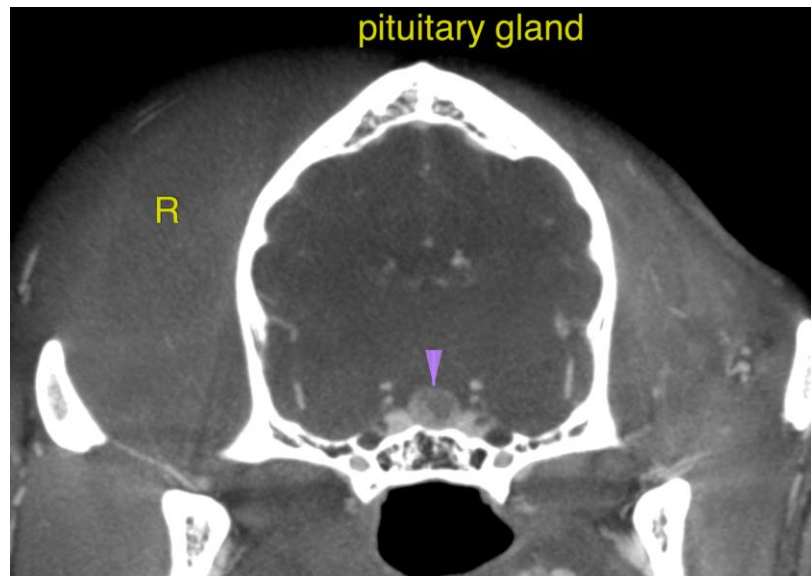
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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