



PATIENT PRESENTING CLINICAL SIGNS

Ashia Aponte Referral for incoordination and head tilt. Non response to medication. A few minutes before CT Scan study had a seizures.
 Abnormal PE/Chem/CBC/UA Results: CBC --- unremarkable CHEM --- GLOB and CHOL mild increased, AMYL mild decreased

SPECIES

Canine

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD

A high-resolution pre- and post-contrast CT study of the head are provided for review. Totalling two series. One pre-contrast series and one post-contrast series.

BREED

English Bulldog

COMPUTED TOMOGRAPHIC FINDINGS

The brain attenuation is normal. No evidence of a mass effect. No evidence of cerebral falx shift. No evidence of ventricle dilatation.

SEX

SF

No evidence of increase soft tissue volume or changes of attenuation of the soft tissue adjacent to the head and face.

AGE

8-9 Years Approx.

The cribriform plate is normal.

The osseous calvarium and osseous facial structures are intact and symmetrical.

The nasal cavity is unremarkable.

INTERPRETED BY

Tilde Rodrigues Froes, DMV, MSc., Dr. Med Vet., Dipl. CBraRVet

There is a mildly elongated and thickened soft palate.

The larynx and tonsil regions are normal.

The frontal sinuses are normal.

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The left-side tympanic bulla is almost completely filled with hypoattenuating material and a heterogeneously enhancing mass effect is seen. Also, an expansive minor osteolytic lesion is seen. The right-side tympanic bulla is moderately filled with hypoattenuating material and a heterogeneously enhancing mass effect is seen. Bilaterally, the petrous part of the tympanic bulla is mildly sclerotic. The auditory ear canal wall is bilaterally severely thickened with multifocal mineralized regions. Also, the ear canal is irregular and reduced in diameter.

REFERRING VET

Dr. R. Gonzalez, DVM

The retrobulbar spaces are normal.

Bilaterally, the temporomandibular joints are congruent.

All teeth are present.

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The retropharyngeal and mandibular lymph nodes are unremarkable.

DATE

4-18-23

A rounded, regularly shaped, heterogeneous, and highly enhancing soft tissue mass is seen in the left cervical region adjacent to the left carotid artery bifurcation. The mass measures 1.6cm x 1.9cm x 2.0cm.



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Slightly more caudally, both thyroid glands are identified, and they are unremarkable.

COMPUTED TOMOGRAPHIC DIAGNOSIS

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Canine

- Normal brain parenchyma.
- No evidence of mass effect in the brain, abnormal enhancement, or abnormal ventricle dilatation.
- Bilateral otitis media, mild expansive left side bulla. Differential diagnosis, concurrent tympanokeratoma.

BREED

English Bulldog

- Bilateral chronic otitis externa, severe wall thickening and luminal stenosis. Differential diagnosis, polypoid lesions within the external auditory wall, differential diagnosis benign soft tissue neoplasm.
- Elongated palate, correlated to the brachycephalic characteristics, and pharyngitis.
- Left side cervical enhancing soft tissue mass, cranially to the thyroid gland, and located at the left carotid artery bifurcation. The differential diagnosis includes carotid body tumor, chemodectoma, or ectopic thyroid gland neoplasm.

SEX

SF

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

AGE

8-9 Years Approx.

No tomographic changes are detected in the head or brain attenuation (or mass effect) that could be correlated to the clinical signs. The clinical signs could be correlated to the otitis media; however, no meningeal enhancement is identified. However, the tomography's sensibility is low compared to MRI to detect inner otitis and/or some types of brain neoplasm. Consider epilepsy as a potential differential diagnosis. Other causes include infectious diseases (meningitis, encephalitis), or toxicity.

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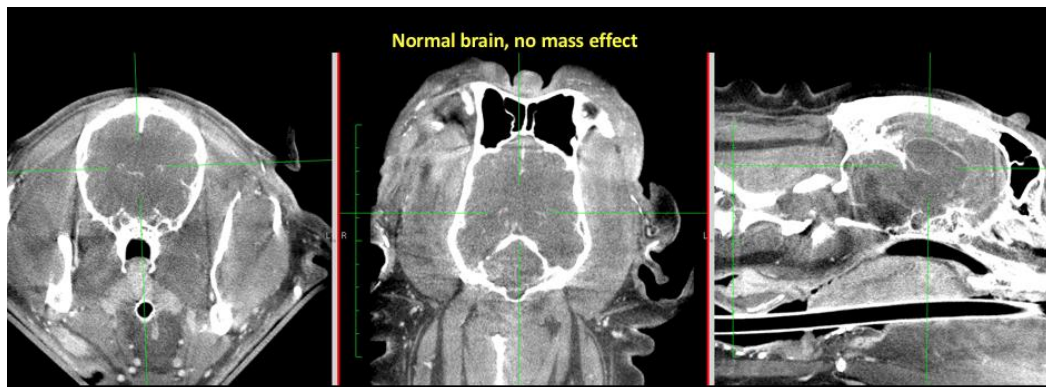
Ultrasound-guided FNA could be considered to access the cervical mass, or an excisional biopsy is suggested; a biopsy is required for diagnosis.

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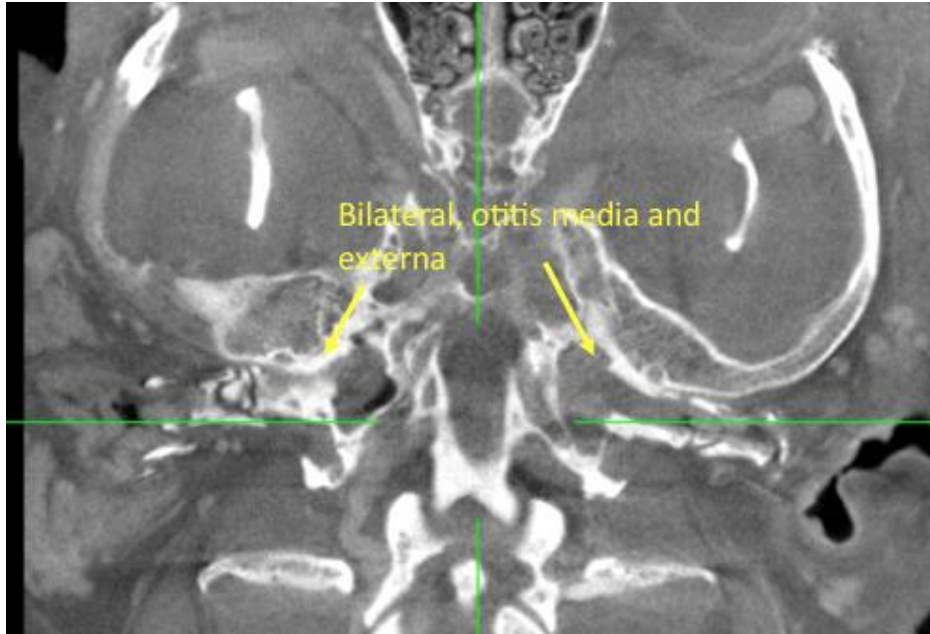
English Bulldog

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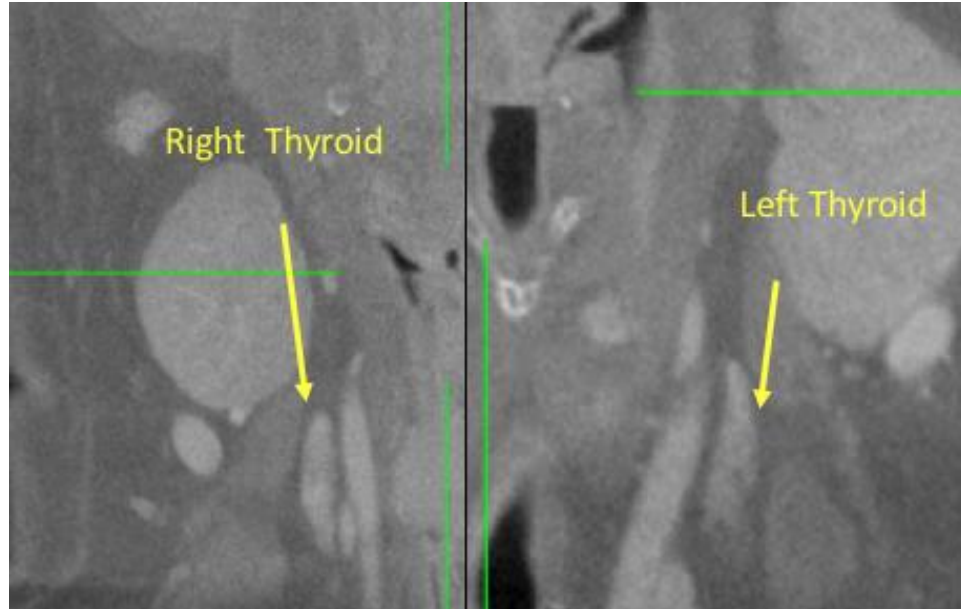
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

INTERPRETED BY

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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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