



PATIENT

Maya De Jesus

PRESENTING CLINICAL SIGNS

History of seizures. Was Dx with Ehrlichia and is currently on treatment(Doxycycline. Vestibular syndrome on presentation and during hospitalization. Abnormal PE/Chem/CBC/UA Results: CBC --- moderate anemia, WBC mild increased and thrombocytosis CHEM --- GLOB mild increased

SPECIES

Canine

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD & NECK

Plain and post contrast studies available for review.

BREED

Shih Tzu

COMPUTED TOMOGRAPHIC FINDINGS

Head

SEX

SF

A 7.0 x 3.5 mm sized contrast enhancing structure is seen level with the cerebellopontine angle slightly to the right of the midline on the post-contrast study. Lesion margins are slightly irregular. There appears to be a mild mass effect onto the brainstem level with the cerebellopontine angle.

AGE

7 Years

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.

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

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.

The submandibular and medial retropharyngeal lymph nodes are small and elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern is uniform.

HOSPITAL NAME

Veterinary Image
Center

The salivary glands present within normal limits.

The visible dentition is within normal limits.

REFERRING VET

Dr. J. Fernandez,
DVM

Neck

Number, alignment, and anatomy of the cervical vertebrae present within normal limits. The intervertebral discs of the cervical spine appear to be in situ.

Both lobes of the thyroid gland are seen and present within normal limits.

INVOICE

49143

Course and width of the trachea present within normal limits.

An area of regional increased enhancement is seen in the epaxial musculature of the upper neck to the left of the midline level with the 1st and 2nd cervical vertebrae.

DATE

12-20-21



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COMPUTED TOMOGRAPHIC DIAGNOSIS

- Extra-axial contrast enhancing lesion with mass effect in the cerebellopontine region.
- Structurally normal CT study of the middle ear and inner ear.
- Regional myopathy upper epaxial musculature.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Differential diagnosis includes ependymoma, meningioma, and round cell neoplasia. Intracranial ehrlichiosis or ehrlichia infection has been described with structural MRI changes which actually tend to present as multifocal asymmetric and intraaxial. However, I cannot rule ehrlichia canis infection entirely and further workup by means of csf analysis is recommended if not performed already.

BREED

Shih Tzu

The regional myopathy with increased enhancement in the upper neck may be a consequence of recent seizure activity. However, focal or polymyopathy such as immune mediated and infectious cannot be ruled out entirely as a differential diagnosis. Consider neuromuscular biopsies if that is a primary concern in this patient.

SEX

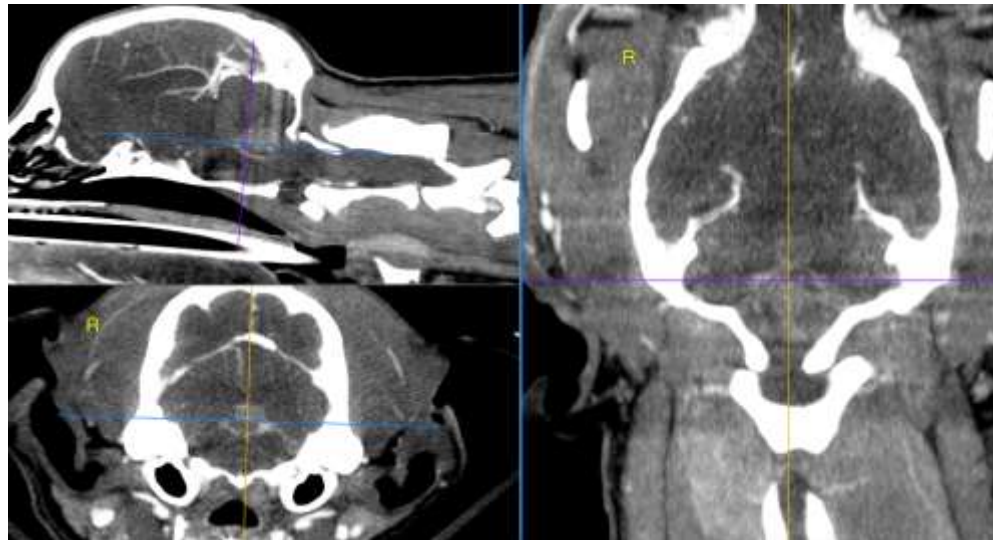
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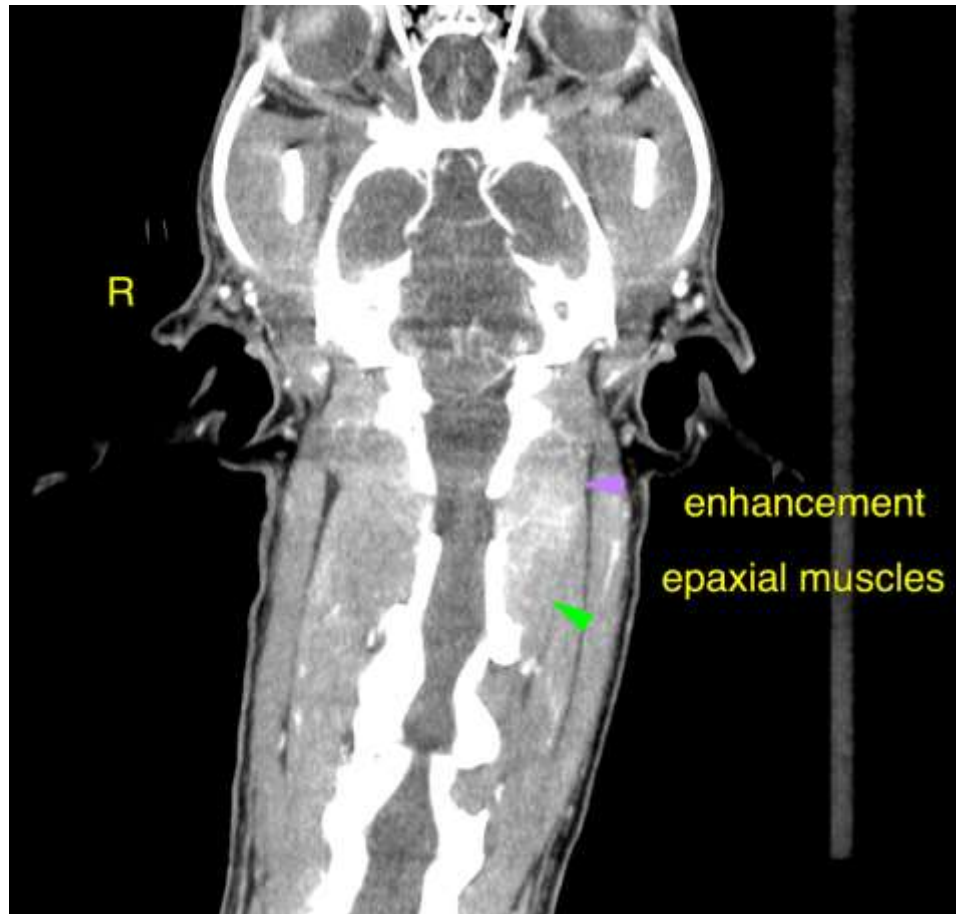
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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