SonoPath Teleradiology

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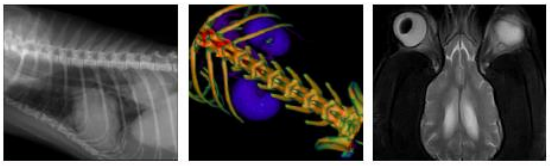

SonoPath.com
1-800-838-4268 info@sonopath.com

PATIENT

Francis Beck

SPECIES

Canine

BREED

Labrador Retriever

SEX

F

AGE

9 Years

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

HOSPITAL NAME

Animal Medical Center of Mt. Pleasant

REFERRING VET

Brooke Fenamore, VMD

INVOICE

52050

DATE

5-12-22

PRESENTING CLINICAL SIGNS

Chronic head tilt to left since 3/29/22. Nystagmus. Circling. Overstepping on RF limb. Recently stopped eating. Vision issues.

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD & NECK

Plain and post contrast studies available for review.

COMPUTED TOMOGRAPHIC FINDINGS

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.

Thin and smoothly folded conchae and turbinates with even smooth mucosal lining. The osseous lining of the nasal cavities is intact.

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 osseous labrynthia and cochlea of the inner ear present within normal limits on both sides. 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.

The salivary glands present within normal limits.

The visible dentition is within normal limits.

The right front limb musculature presents atrophy. An aggressive osteolytic osteoproliferative lesion of the right scapula and humerus appears to be present.

Moderate to severe right cervical and axillary lymphadenomegaly is seen.

Multifocal sclerosis and osteolysis is noted within the medullary cavities of the 1st and 2nd left and right ribs.

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Structurally normal CT study of the brain, middle, and inner ear.
- Normal CT presentation of the orbital tissues.
- Polyostotic aggressive osteoproliferative and osteolytic bone lesions involving the right scapula, right humerus, bilateral first ribs, and presumably more.

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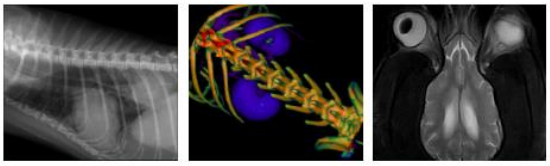

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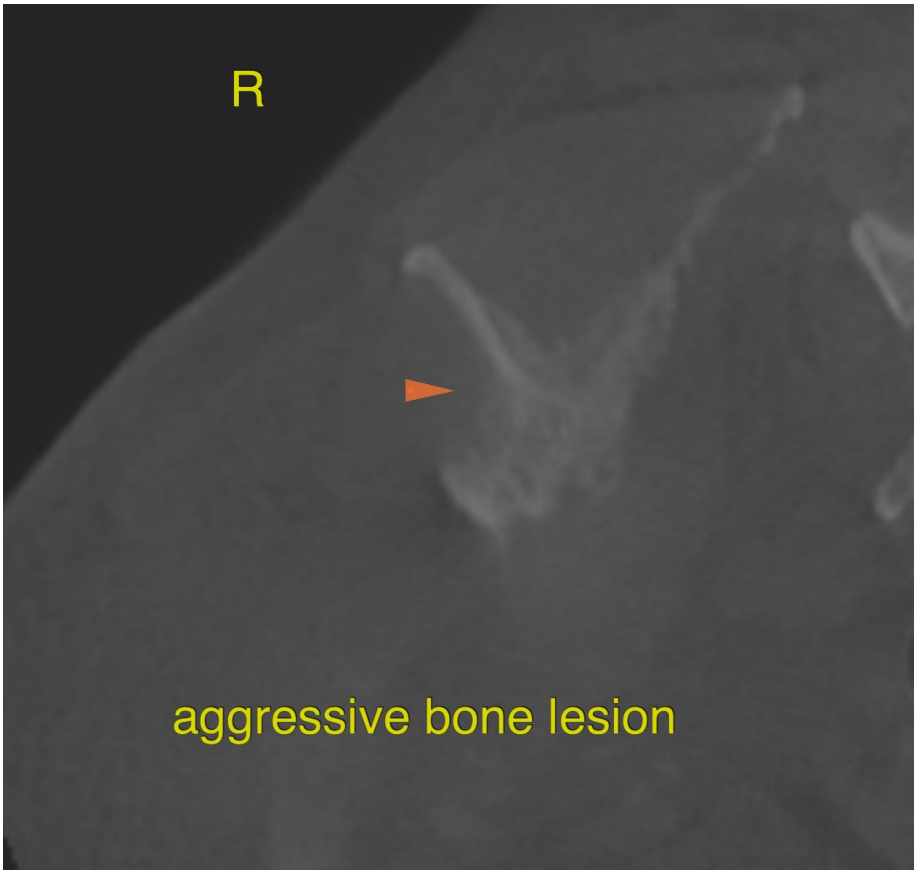
INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No evidence of structural pathology is found within the orbital tissues, optic canal, orbital fissure, middle and inner ear, or brain. Pathology with nonstructural injury such as idiopathic geriatric, metabolic/toxic, inflammatory/infectious, neurodegenerative as well as cerebrovascular disease cannot be ruled out entirely. Complementary csf analysis could be considered if not performed already. However, the negative CT findings increase the odds of idiopathic vestibular signs. Due to the reported vision impairment, full ophthalmologic workup should be considered if not performed already.

With the polyostotic appearance of the mixed osteolytic and osteoproliferative lesions, consider primary and secondary neoplasia of bone including metastases, lymphoma, multiple myeloma, and other. Consider further definition by means of sampling of the osseous lesions as well as the cervical and axillary lymph nodes.



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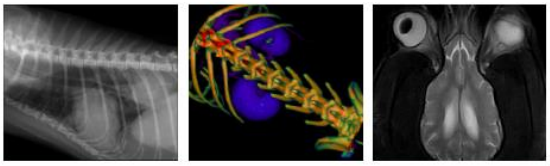

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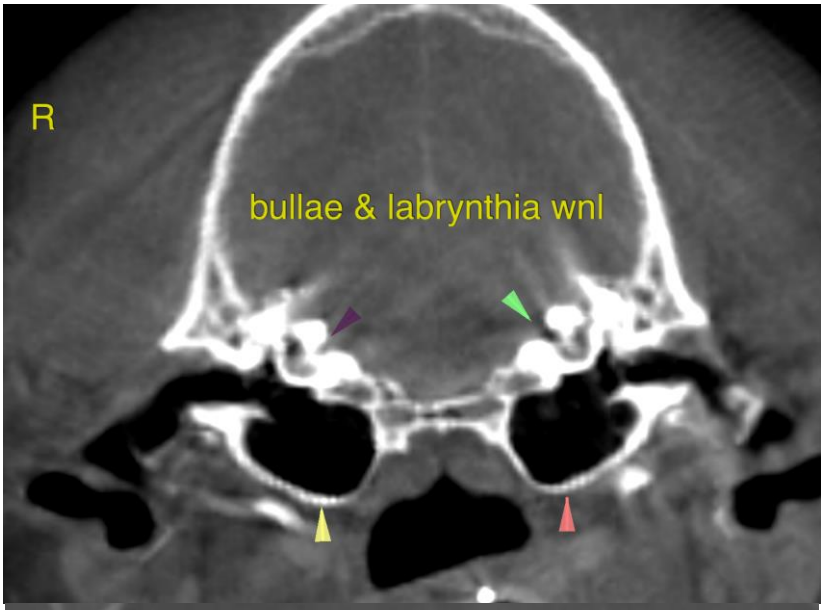

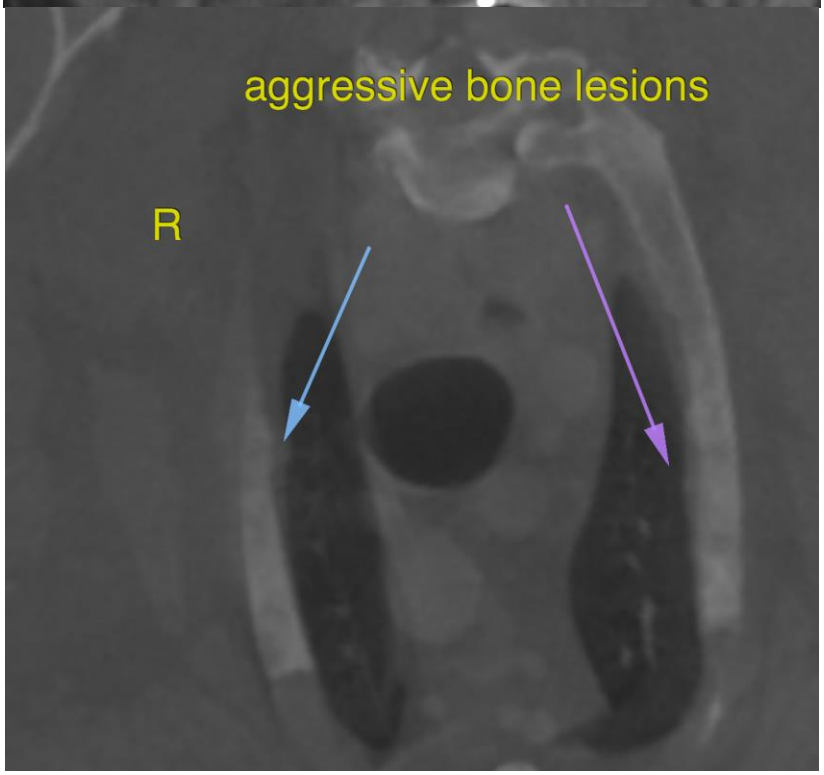

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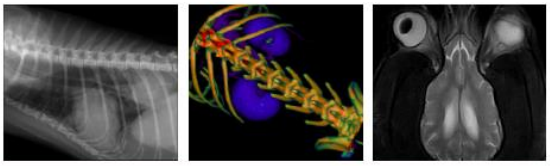

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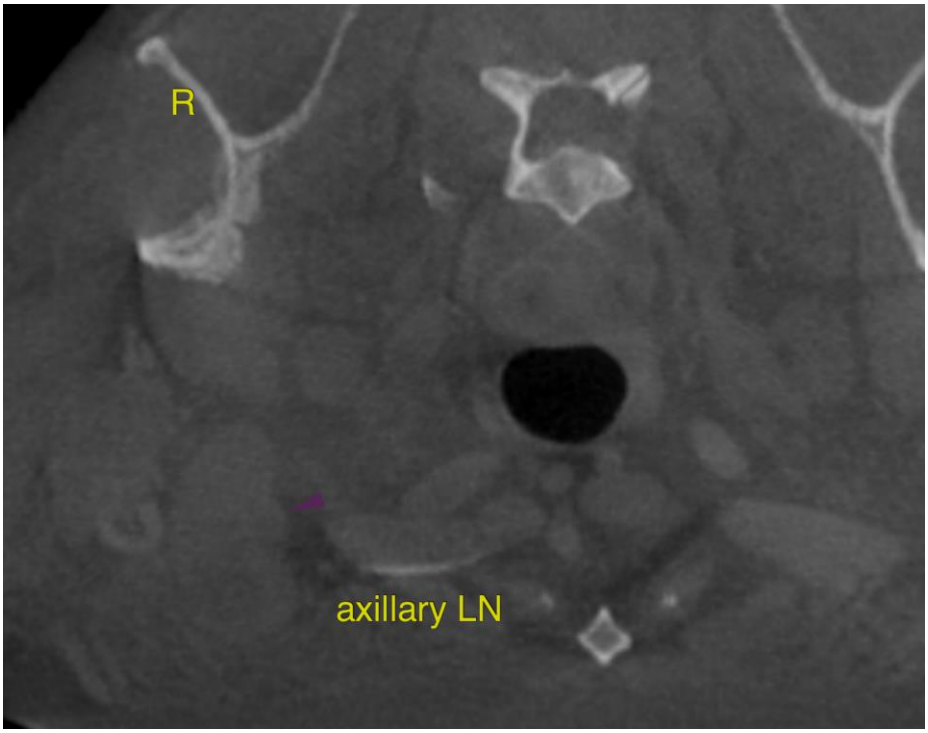

The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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
European Specialist in Veterinary Diagnostic Imaging, Cert. Radiology,
Senior lecturer University of Giessen, Germany, Veterinary Faculty, Department of Radiology
Nele.Eley@sonopath.com