



PATIENT

Gretzky McDonald

PRESENTING CLINICAL SIGNS

History of reoccurring neck pain. First occurred in Dec 2020 (resolved with fentanyl patch, other pain medication, and strict rest). Reoccurred in June 2021 (resolved with Gabapentin and Rheumocam and rest). Idexx Referred Radiology Report indicated a narrowed intervertebral space between C2 and C3. Dog is currently not showing any pain. No history of trauma. No neurological abnormalities. Not currently on any treatment. Bloodwork including SNAP4Dx normal. Blastomycosis AG test negative. Owner would like to check for causes (ie. IVDD) and see if surgery is recommended at this time or if symptoms reoccur.

SPECIES

Canine

BREED

Puggle

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD & FULL SPINE

Plain study of the spine and plain and post contrast studies of the head available for review.

COMPUTED TOMOGRAPHIC FINDINGS

SEX

MN

Spine

Severe mineralized intervertebral disc extrusion is seen in the caudal lumbar spine between L6 and L7. The intervertebral disc space presents partial collapse. Approximately 90% of the vertebral canal's cross sectional area are occupied by the extruded material.

AGE

5 Years

The intervertebral disc space C2/3 is moderately narrowed. Mild protrusion of partially mineralized intervertebral disc material into the ventral space is noted. Approximately 15% of the vertebral canal's cross sectional area are occupied by the protruded material.

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

Multifocal intervertebral disc mineralization is noted throughout the remainder of the spine.

Head

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.

Both temporomandibular joints present congruent joint spaces with even subchondral bone surfaces and are considered within normal limits.

HOSPITAL NAME

Bridgwater
Veterinary Hospital
and Wellness Centre

REFERRING VET

Dr. Harrison

A 3mm sized ovoid soft tissue attenuating structure is seen in the most medial aspect of the right external auditory meatus which appears to be attached to the epithelial lining of the ear canal level with the entrance into the right tympanic bulla. No evidence of concurrent otitis media is seen.

INVOICE

49111

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.

DATE

12-16-21

The salivary glands present within normal limits.



PATIENT The visible dentition is within normal limits.

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COMPUTED TOMOGRAPHIC DIAGNOSIS

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- Mild chronic intervertebral disc protrusion within the upper cervical spine between C2 and C3
- Severe chronic intervertebral disc extrusion within the caudal lumbar spine between L6 and L7
- Multifocal chondroid disc degeneration.
- Structurally normal CT study of the brain.
- Right sided otitis externa versus ear canal polyp.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

At this time, no direct indication for spinal surgery or surgical decompression can be derived from the current CT findings. There is a disc hernia within the cranial cervical and caudal lumbar spine respectively, which both appear to be chronic. Mild spinal cord compression is a potential in the upper cervical spine. Compression of the cauda equina is a potential in the caudal lumbar spine. However, both hernias are chronic in character and surgical management is very unlikely to improve the long term prognosis at this point.

There is no evidence of structural pathology of the brain.

Right sided otitis externa is noted. Presence of a polyp within the medial aspect of the right external auditory meatus cannot be ruled out. Further otoscopic workup is recommended.

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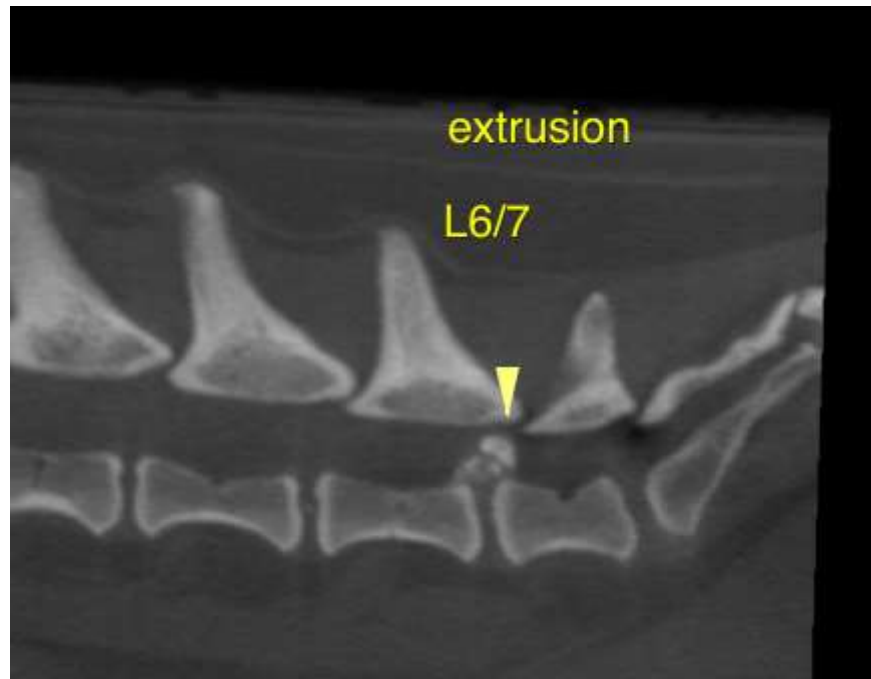
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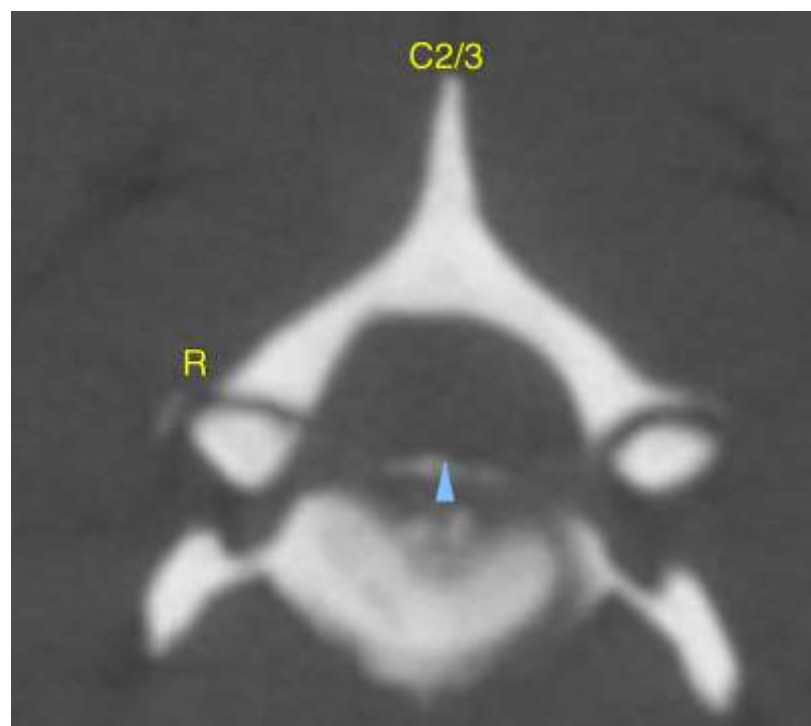
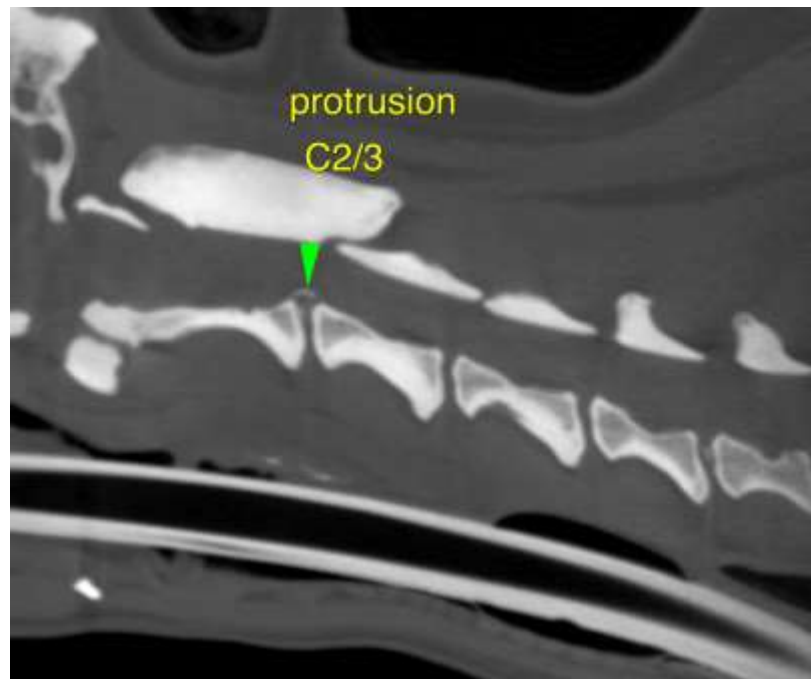
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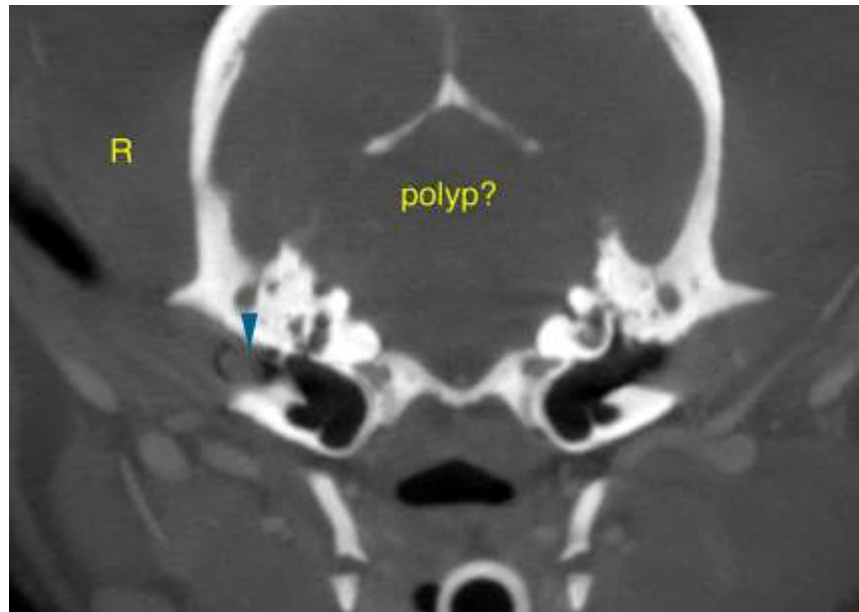
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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