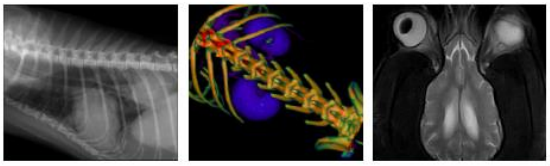


SonoPath.com
1-800-838-4268 info@sonopath.com

PATIENT

Sixteen Lee Kah Seng

SPECIES

Canine

BREED

Pomeranian

SEX

Male

AGE

1 Year

INTERPRETED BY

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

HOSPITAL NAME

Animal Medical Centre Sdn Bhd

REFERRING VET

Dr. Sivan

INVOICE

57247

DATE

3-15-23

PRESENTING CLINICAL SIGNS

March 2023, owner come in with the complaint of patient cannot use both hindlimbs and dragging the hindlimbs when walking. Patient had history of yelping in pain when being carried and was sensitive to lumbar region when palpated along the spine. Physical examination – patient have deep pain on both hindlimbs, but no conscious proprioception on both hindlimbs. Spine and pelvis radiographs were taken and showed no significant finding. Blood test shows mild anemia and mild high neutrophilia and monocytosis, might be due to infection/inflammation.

COMPUTED TOMOGRAPHIC STUDY OF THE SPINE

A pre- contrast CT and CT myelographic study of the caudal thoracic spine, thoracolumbar, lumbar and lumbosacral spine are provided for review. Two pre-contrast series, soft tissue, and bone window, from T7 to sacrum. Two post-myelogram study series, soft tissue, and bone window. The computed tomography images were from T7 to sacrum, transverse.

COMPUTED TOMOGRAPHIC FINDINGS

SPINE

T8-13 thoracic vertebras, lumbar vertebras and sacrum are normal in size, shape, and attenuation.

Normal spine alignment. No narrowed intervertebral disc spaces or changes in the intervertebral discs, or attenuation.

No aggressive or acute traumatic osseous abnormalities identified.

CT Myelogram

In the collimated thoracic spine, the contrast medium is within the subarachnoid. However, a continuous thin line is seen up to T10-T12; the ventral line reduced the appearance at the level of T10, and the dorsal line reduced the appearance at T12. After this point, the contrast medium is no longer clearly identified. From T7-T10-12, you see a straight and regular line without deviation.

At the lumbar region, the contrast medium is not adequately filling the subarachnoid space.

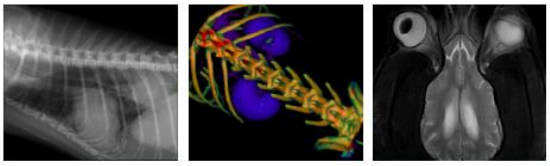
A multifocal retention of the contrast medium in the epidural space and thecal space is seen. It is adjacently to the thoracic vertebras and caudal lumbar vertebra, cauda equine region.

Small spots of gas is also seen, in the epidural spaces, iatrogenic.

No mass effect or abnormal focal enhancement is seen.

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Normal thoracic spine (T8-13), normal lumbar and lumbosacral spine, no osseous abnormalities are identified.
- The thinning of the contrast medium after T10 ventral and T12 dorsal in the contrast lines, could be correlated to artifact, or partial obstruction correlated to medullary swelling or inflammation, however no clear mass effect was identified.



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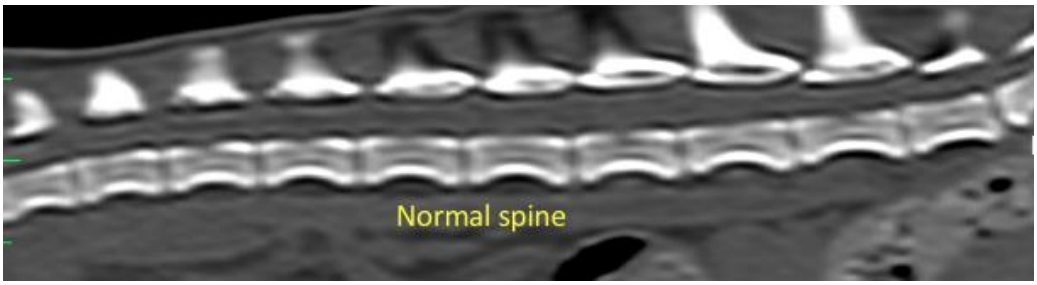
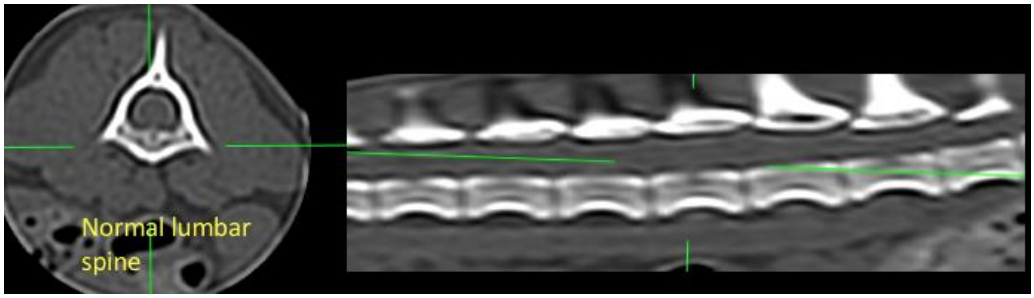
- No evidence of mass effect or abnormal enhancement in the medullary canal.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No tomographic changes are detected in the osseous spine, and no abnormal mass effect or enhancement that could be correlated to the clinical signs. However, the tomography's sensibility is low compared to MRI. Considered myelopathies, for example, inflammatory, infectious, granulomatous, or congenital abnormalities.

The leakage of the contrast medium in the epidural space in lumbar/lumbosacral region, could be correlated to iatrogenic causes, or due to a rare situation of communication between the spaces. Few descriptions in the literature mentioned this occurrence, and the causes could be a traumatic lesion, granulomatous meningoencephalitis, ischemia, or in fibrocartilaginous infarct.





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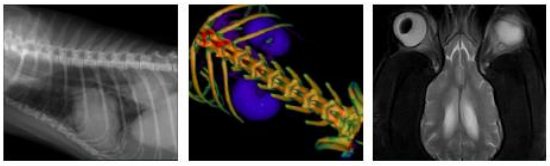

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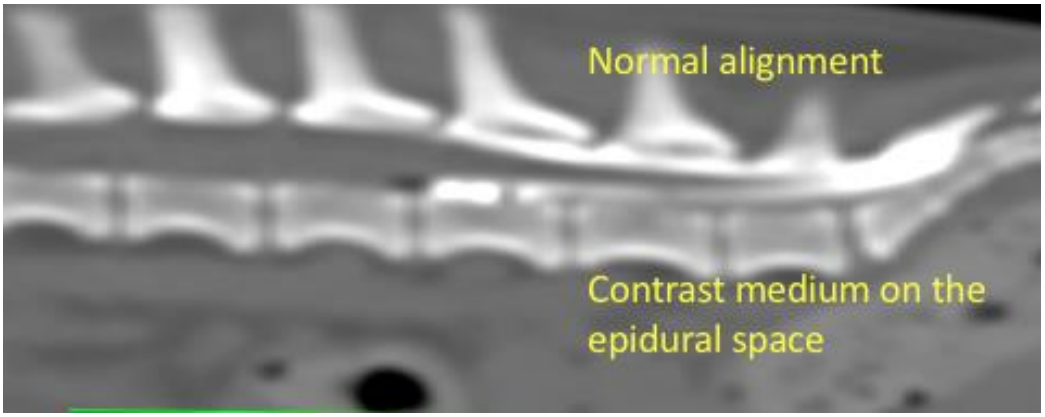

The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Tilde Rodrigues Froes, DMV, MSc., Dr. Med.Vet., Dipl.CBraRVet
info@sonopath.com