



**PATIENT**

Chonky Amirah

**PRESENTING CLINICAL SIGNS**

Problem list: 1. Wide based stance. 2. Straining to defaecate. 3. Discomfort upon palpation of abdomen - spine. Preliminary radiographs done, all good except bone opacity structure noted along T13 - L1 (R). To further confirm if bone opacity is an artefact or lesion that related to symptoms. Previously prescribed with gabapentin after constipation resolved. Owner has been treating flu to plan for spay. Vaccines and preventives intact.

**SPECIES**

Feline

**COMPUTED TOMOGRAPHIC STUDY OF THE THORACIC & LUMBAR SPINE**

**BREED**

Plain and post IV contrast studies and myelogram with lumbar puncture available for review in soft tissue and bone windows.

Domestic Short Hair

**COMPUTED TOMOGRAPHIC FINDINGS**

**SEX**

Female

A moderate amount of smooth new bone formation is bridging the vertebral end plates of T13 and L1 ventrally and slightly to the right of the midline. Mild ventral flattening of the cranial vertebral end plate of L1 is seen. The vertebral facets and vertebral alignment present within normal limits. Mild protrusion of the T13/L1 intervertebral disc causes dorsal deviation of the ventral contrast space on the myelogram. There is mild five degree leftward angulation of the lumbar spine centering the thoracolumbar junction. Mild epidural leakage is seen.

**AGE**

1 Year

There is relatively abrupt and significant widening of the canalogram level with T4 and T5. The cranial extent of this regional dilation of the central canal is outside of the field of view. The central canal measures 3mm here compared to 1mm in the rest of the thoracolumbar spine.

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Mild angular deformity and new bone formation as well as chronic mild intervertebral disc protrusion between T13 and L1.
- Significantly widened canalogram in the cranial thoracic spine.

**HOSPITAL NAME**

Animal Medical  
Centre Sdn Bhd

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The CT study reveals spondylosis like new bone formation ventral at T13/L1 with mild angulation of the lumbar spine with respect to the thoracic spine over T13/L1. Mild concurrent intervertebral disc protrusion is seen. No significant spinal cord compression can be identified. These changes are likely the result of prior trauma with partial vertebral fracture or subluxation. At this time, no evidence of spinal cord compression can be concluded.

**REFERRING VET**

Dr. Sivan

The focal widening of the central canal level with the cranial thoracic spine may represent a canalogram in conjunction with the myelographic procedure. Syringomyelia and spinal cord malformation are potential differential diagnoses. The clinical significance of which is unclear.

**INVOICE**

56057

**DATE**

1-9-23



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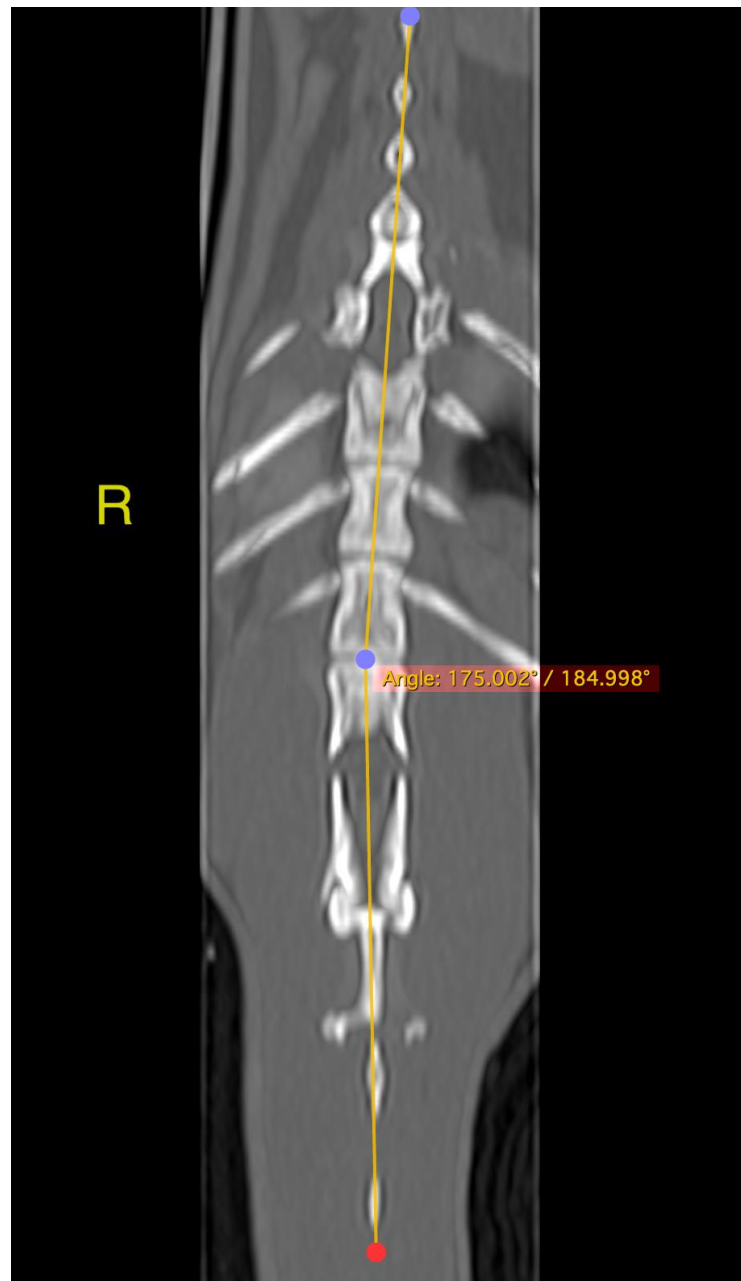
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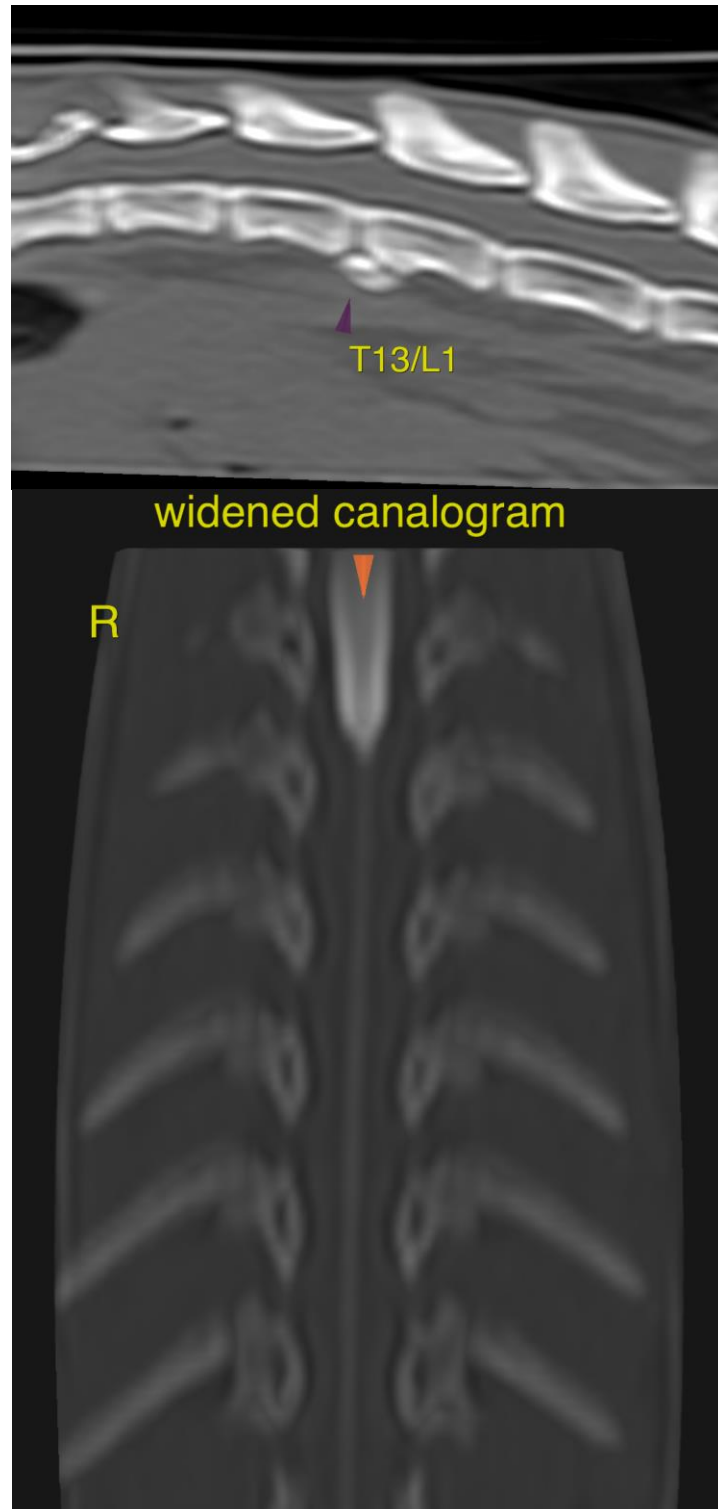
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

**SPECIES**

Feline

**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

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