

## Diagnostic Imaging Report

### Owner

Cooke

### Patient

Kyro : Dog Staffordshire Bull  
Terrier

Male 9 years

**MRI** Performed on Jun 26, 2018

**by** Suzanne Fishwick

### History

Ataxia

Started with ataxia, hind legs, worsened last few weeks. Cant get on furniture and up stairs, started a few weeks ago. Worsens with exercise. Currently on Gabapentin and meloxicam.

### Description

The study consists of multiple series of sagittal, transverse and dorsal SE T1 and SE T2 weighted images of the thoraco-lumbo-sacral spine.

On sagittal T2 weighted images of the lumbo-sacral junction, there is a decrease in signal intensity of the L7-S1 disc. The L7-S1 disc is protruding in the vertebral canal resulting in obliteration of the ventral epidural fat and dorsal deviation of the cauda equina. Caudal lumbar discs have normal bright T2 signal.

On additional images of the thoraco-lumbar junction, the T13-L1 disc is protruding in the vertebral canal, resulting in slight deformation of the spinal cord. A slight left sided lateralisation is noted on transverse images. Minor protrusion of adjacent discs is seen, but the spinal cord is not affected.

On additional images of the thoracic spine, there is a decrease in T2 signal intensity of most intervertebral discs, but no disc protrusion or extrusion is identified.

### Conclusion

Ventral slightly left-sided extradural spinal cord compression due to T13-L1 disc herniation. Cauda equina compression due to L7-S1 disc protrusion, of uncertain clinical significance. Multifocal disc degenerative changes.

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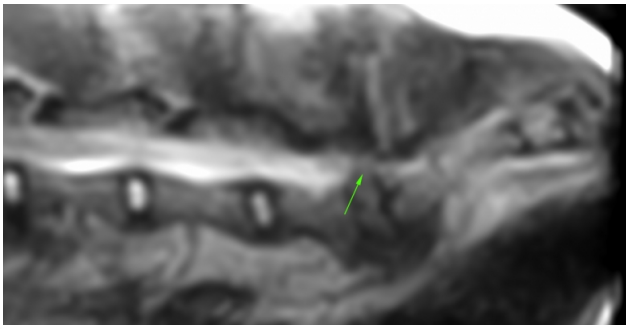


Fig.1 : Sagittal T2 weighted image of the lumbosacral junction showing a decrease in signal intensity and protrusion of the L7-S1 disc (arrow).

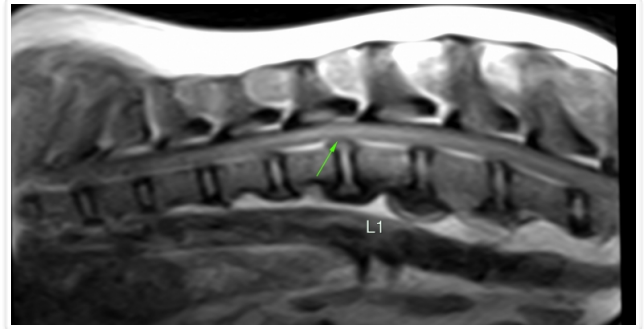


Fig.2

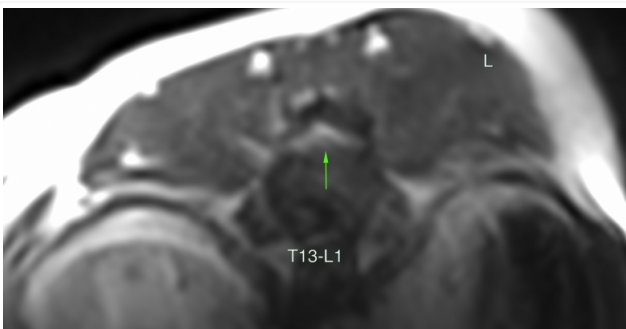


Fig.3 : Transverse T2 weighted image of the spine at the level of T13-L1 showing slightly left sided disc herniation (arrow).

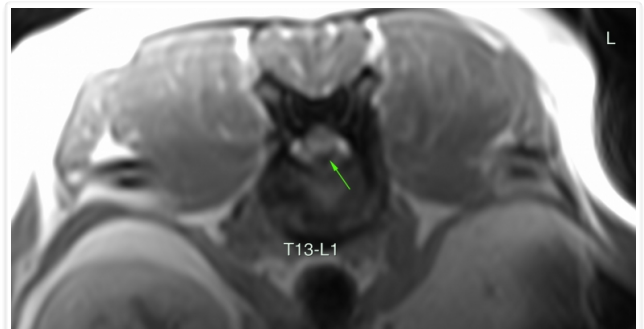


Fig.4 : Transverse T1 weighted image of the spine at the level of T13-L1 showing slightly left sided disc herniation (arrow).