



**PATIENT PRESENTING CLINICAL SIGNS**

Jessie Handy paroxysmal episodes of tail biting since 2mo suspected to be stereotypical behaviour. Normal CSF. Questionable LS pain.

**SPECIES** Abnormal PE/Chem/CBC/UA Results: Normal neurological exam. Possible LS pain that could causing cauda equina compression and hypereasthesia of the tail or behavioural.

Canine **MAGNETIC RESONANCE IMAGING STUDY OF THE LUMBAR SPINE & SACRUM**

**BREED** T2, T2-fat saturated, T1, T1-fat saturated, T1-fat saturated post-contrast studies in mild extension and flexion of the lumbosacral junction available for review.

Australian Shepherd **MAGNETIC RESONANCE IMAGING FINDINGS**

**SEX** Number, alignment, and anatomy of the lumbar vertebrae present within normal limits. The lumbar intervertebral discs present within normal limits.

F Minimal dorsal protrusion of the lumbosacral disc’s annulus fibrosis into the ventral epidural space is noted in the mildly extended position. There also is mild ventral excursion of the interarcuate ligament (ligamentum flavum) into the lumbosacral vertebral canal from a dorsal aspect. No significant cauda equina compression is noted. The lumbosacral neuroforamina are patent. The lumbosacral nerves present no deviation from their expected anatomy within the vertebral canal and when exiting through their respective foramina.

6 Months The coccygeal vertebrae and sacrococcygeal junction present within normal limits.

**INTERPRETED BY** Both coxofemoral joints present within normal limits.

Nele Eley, DVM  
Dr. med. Vet. DipECVDI The iliopsoas musculature presents within normal limits.

**HOSPITAL NAME** The axial and hypaxial musculature present within normal limits.

Animal Health Partners The lymph nodes within the hypogastrium present within normal limits.

**MAGNETIC RESONANCE IMAGING DIAGNOSIS**

- Mild dynamic lumbosacral stenosis enhanced by extension of the lumbosacral junction.

**REFERRING VET INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Dr. Edouard Marchal Mild dorsal protrusion of the annulus fibrosis of the lumbosacral disc in an extended position of the lumbosacral junction is expected owing to the reduced tension of the dorsal longitudinal ligament. However, this is combined with mild ventral excursion of the ligamentum flavum which may contribute to the narrowing of the lumbosacral vertebral canal further. Clinical significance of these findings varies, and clinical correlation is required. It should not necessarily be considered given that these mild structural changes are definitive as cause of the clinical signs described in the patient history.

**INVOICE**

52676

**DATE**

7-4-22



**PATIENT**

Jessie Handy

**SPECIES**

Canine

**BREED**

Australian Shepherd

**SEX**

F

**AGE**

6 Months

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

**HOSPITAL NAME**

Animal Health  
Partners

**REFERRING VET**

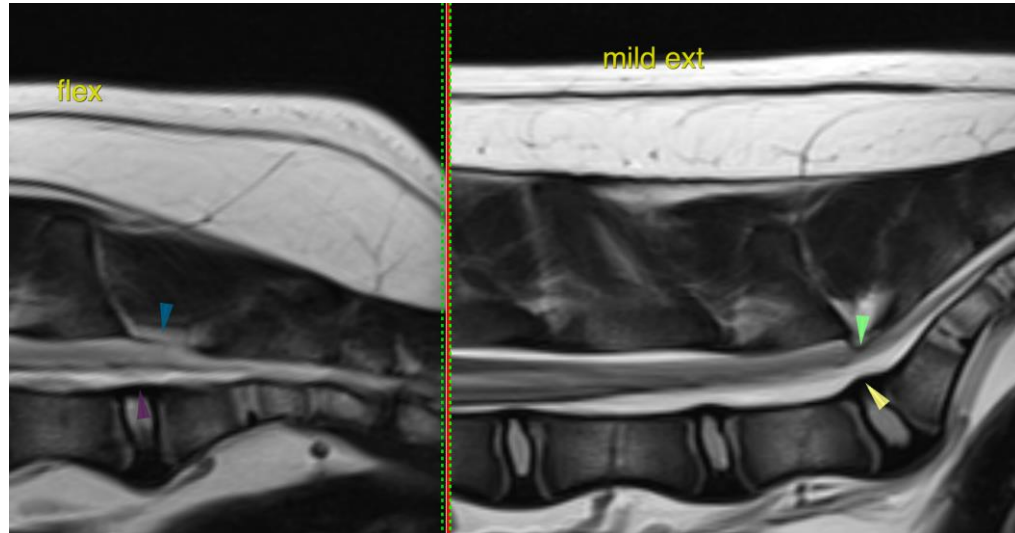
Dr. Edouard Marchal

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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.

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