



**PATIENT PRESENTING CLINICAL SIGNS**

**PATIENT** Lilly Marrero  
**SPECIES** Canine  
**BREED** German Shepherd

Patient presented for evaluation of pain and not moving on July 10 2023, Physical exam revealed mild difficulty breathing and pain in the hip area when manipulating both hind limbs. CBC and Chemistry was normal. We sent patient home on Galliprant due to history of fracture of the hip. Patient came back 7/14/2023 with limited movement of the hind limbs and loss of proprioceptive deficits. Patient was hospitalized with IV Fluids, steroids (Dexamethasone IV 7 ml (4 mg/ml) once dose, Prednisone, Gabapentin and Methocarbamol. Monday 7/17/2023 patient is eating with some improvement on the movement of the hind end but still unable to get up by herself. Referral for CT Thoraco/Lumbar and Lumbo/Sacral and possible surgical decompression. Abnormal PE/Chem/CBC/UA Results: CBC --- unremarkable CHEM --- unremakable

**COMPUTED TOMOGRAPHIC STUDY OF THE THORACOLUMBAR SPINE**

Plain and post IV contrast studies available for review.

**SEX COMPUTED TOMOGRAPHIC FINDINGS**

**SEX** F  
 Moderate mid-sagittal protrusion of the lumbosacral intervertebral disc is seen with dorsal deviation of the cauda equina. Narrowing of the intervertebral disc space L7/S1 is noted as well as mild narrowing of the bilateral lumbosacral neuroforamina.

**AGE**

**AGE** 10 Years  
 The intervertebral discs L6/7, L5/6, L4/5, L3/4, L2/3, & L1/2 present mild protrusion into the ventral epidural space. Minor protrusion appears to also be present between T13/L1 and T12/13.

**INTERPRETED BY**

Nele Eley, DVM  
 Dr. med. Vet. DipECVDI

Spondyloses are seen between L5/6, L4/5, L3/4, & L2/3.

Narrowing of the intervertebral disc spaces L6/7, L5/6, L4/5, L3/4 is noted.

Early spondylosis deformans and vertebral endplate sclerosis as well as intervertebral disc space narrowing are presents between T5 and T6.

**HOSPITAL NAME**

Veterinary Image Center

Both coxofemoral joints present moderate signs of dysplasia with moderate secondary osteoarthritic changes.

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

**REFERRING VET**

Dr. R. Torres, DVM

- Moderate degenerative lumbosacral stenosis with mild bilateral neuroforaminal stenosis.
- Serial mild chronic intervertebral disc protrusion T12/13, T13/L1, L1/2, L2/3, L3/4, L4/5, L5/6, & L6/7.
- Spondyloses L1/2, L2/3, L3/4, L4/5, L5/6 & T5/6.

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The CT study does not reveal evidence of acute compressive disc herniation. Moderate degenerative lumbosacral stenosis with intervertebral disc protrusion and mild bilateral neuroforaminal stenosis is seen. These changes are chronic in nature and do not appear to correlate with the clinical signs.

**DATE**

7-18-23

The serial mild intervertebral disc protrusion throughout the caudal thoracic and entire lumbar spine is also unlikely to explain the recent and acute onset of neurological signs.



**PATIENT**

Lilly Marrero

A compressive lesion is not seen which renders acute noncompressive nucleus pulposus extrusion and ischemic myelopathy such as fibrocartilagenous embolism a potential. However, other differential diagnoses such as degenerative myelopathy, myelitis, infiltrative disease, and other cannot be ruled out and further definition by means of an MRI or CT myelogram could be considered in case of persisting clinical signs.

**SPECIES**

Canine

**BREED**

German Shepherd

**SEX**

F

**AGE**

10 Years

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**HOSPITAL NAME**

Veterinary Image  
Center

**REFERRING VET**

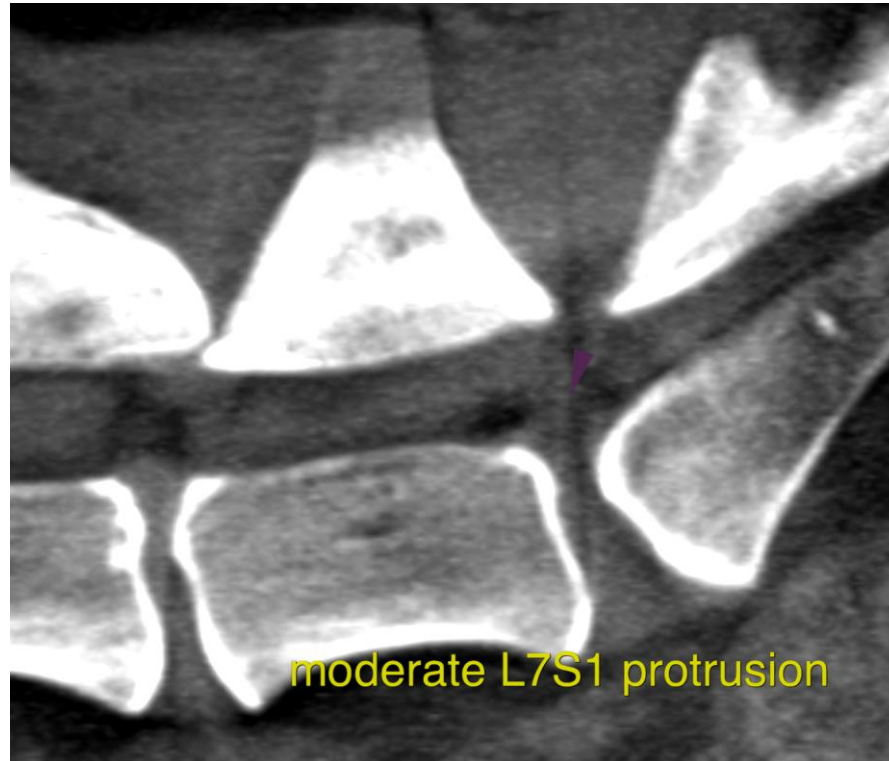
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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