



PATIENT

Xena Marshall

PRESENTING CLINICAL SIGNS

Xen has historical hip dysplasia that is being managed with glucosamine and chondroitin. She is here today due to acute exacerbation of her clinical signs and significantly worse ambulation. On physical exam she has a non painful back with a marked myelopathy. Differentials include disc disease / neoplasia / degenerative processes / FCE or some form of progressive congenital anomaly. Survey radiographs with dexmedetomidine were unremarkable. Reversal with antisedan. Discussed implications with Owners and ideally need for MRI. Since MRI is not available plan CT scan with and without contrast to assess the T3-L3 segment. If no surgical lesion identified consider PT / acupuncture and possible steroid trial. Discharged pending labs, CT scan scheduled for Sunday the 22nd

SPECIES

Canine

BREED

German Shepherd

COMPUTED TOMOGRAPHIC STUDY OF THE THORACOLUMBAR SPINE

From T1 through L5 - plain and post IV contrast studies available for review.

SEX

Female

COMPUTED TOMOGRAPHIC FINDINGS

Right sided vertebral canal stenosis with dorsolateral narrowing is noted level with the thoracolumbar junction. The vertebral canal's cross sectional area is reduced by approximately 40%. Part of the vertebral arch, including the right caudal articular process of T13, is isolated with a broad and irregular shaped hypoattenuating gap between the vertebral arch and the "fragment." New bone formation is seen partially bridging the gap. Moderate parasagittal right sided dorsolateral narrowing of the vertebral canal is seen due to the new bone formation. Mild mid-sagittal and left sided parasagittal narrowing is present as well; however, the main direction of the stenosis is from the right dorsolateral aspect.

AGE

2 Years

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

No evidence of traumatic injury of the vertebral bodies is seen.

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Moderate asymmetric right dorsolateral vertebral canal stenosis secondary to vertebral arch injury and bilateral vertebral facet hypertrophy.

HOSPITAL NAME

Southern Oregon
Veterinary Specialty
Center

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT findings support the presence of chronic traumatic osseous injury of the vertebral arch and facets of T13 with hypertrophic callous formation and significant vertebral canal stenosis. Non-traumatic osseous injury, such as disturbed endochondral ossification with incomplete fusion of the ossification centers of the vertebral arch and vertebral facets, cannot be ruled out entirely as a differential diagnosis but is thought less likely than chronic traumatic injury and a healing fracture. The facet joint hypertrophy leads to significant vertebral and canal stenosis with spinal cord compression and decompressive surgery appears to be indicated based on the degree of stenosis either using a dorsal or dorsolateral approach.

REFERRING VET

Ravi Seshadri

INVOICE

47084

DATE

8-22-21



PATIENT

Xena Marshall

SPECIES

Canine

BREED

German Shepherd

SEX

Female

AGE

2 Years

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

HOSPITAL NAME

Southern Oregon
Veterinary Specialty
Center

REFERRING VET

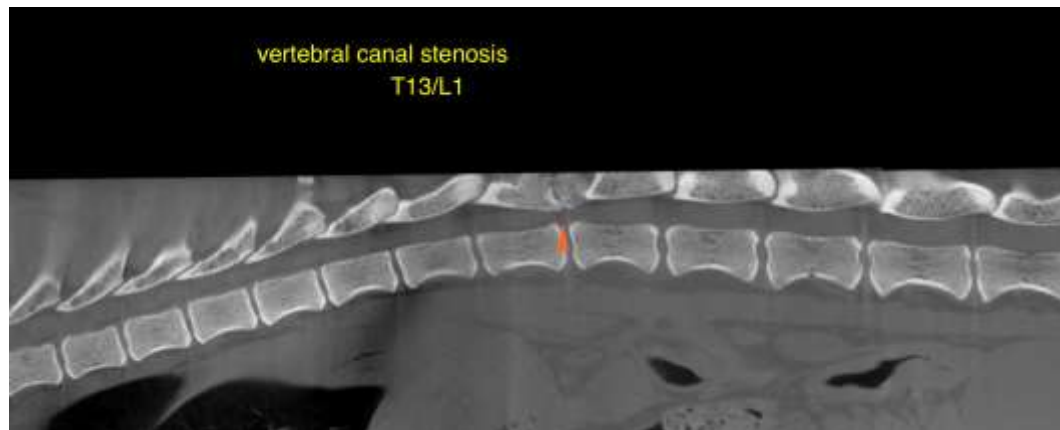
Ravi Seshadri

INVOICE

47084

DATE

8-22-21





PATIENT

Xena Marshall

SPECIES

Canine

BREED

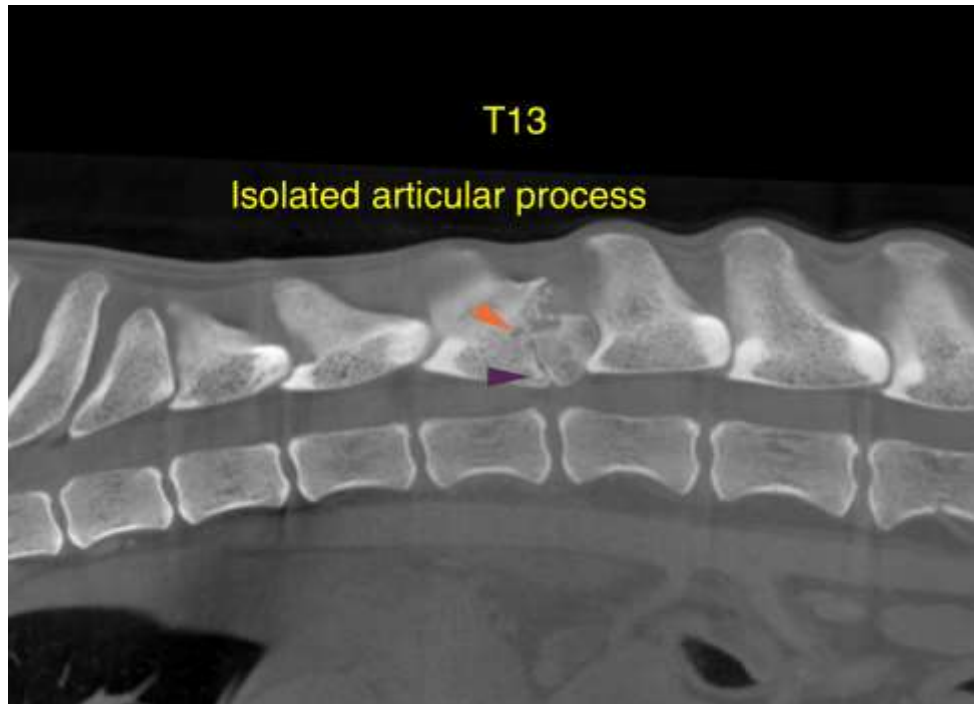
German Shepherd

SEX

Female

AGE

2 Years



INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

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.

HOSPITAL NAME

Southern Oregon
Veterinary Specialty
Center

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.

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

REFERRING VET

Ravi Seshadri

INVOICE

47084

DATE

8-22-21