



PATIENT

Gaston Tobe

PRESENTING CLINICAL SIGNS

Gaston, a 1 year old, MN French Bulldog, presented to the AHP Neurology Service on January 31, 2022 for evaluation of a weight-bearing lameness in the right pelvic limb. He was assessed by Dr Schneider at VEC on December 2nd, 2021 for weight-bearing lameness on his right hindlimb for the past 3 weeks. A suspected right-sided L4-S1 spinal cord segment lesion is suspected. On CT, a right foraminal L7-S1 disc herniation is diagnosed. As Gaston was doing well at home, conservative treatment with pain killer (gabapentin 100mg q12h) and anti-inflammatory (metacam q24h) was elected. He has been doing physiotherapy once a week since December. Since then, his condition has been static and no improvement has been seen with the medication.

SPECIES

Canine

BREED

French Bulldog

MAGNETIC RESONANCE IMAGING STUDY OF THE LUMBAR SPINE

T2, T2-fat saturated, plain T1-weighted, plain T1-fat saturated, post-contrast T1-weighted and T1-fat saturated sequences of the lumbar spine available for review.

SEX

MN

MAGNETIC RESONANCE IMAGING FINDINGS

Multiple congenital vertebral malformation is seen throughout the thoracolumbar spine with the 1st sacral vertebra being an incompletely fused butterfly vertebra.

AGE

1 Year

L6 and L4 are butterfly vertebrae. Kyphosis and spinal canal stenosis is seen at L4.

There is significant lumbar scoliosis.

T11 is a butterfly vertebra as well as T9, T8, and T7.

T10 is a severely malshaped wedge vertebra.

Moderate mid and caudal thoracic lordokyphosis is seen.

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

Stretch of the spinal cord owing to the sigmoid shaped deformity of the thoracic spine appears to be present yet there is no evidence of altered signal behavior throughout the visible spinal cord.

HOSPITAL NAME

Animal Health
Partners

Moderate lumbosacral intervertebral disc protrusion is seen with mild dorsal deviation of the cauda equina fibers. The left lumbosacral neuroforamen is reduced in height when compared with the right side.

REFERRING VET

Dr. Kilburn

MAGNETIC RESONANCE IMAGING DIAGNOSIS

- Multiple congenital vertebral malformation within the thoracolumbar spine and sacrum with thoracic lordokyphosis and kyphosis as well as scoliosis within the lumbar spine.
- Moderate degenerative lumbosacral stenosis with moderate left sided neuroforaminal stenosis.
- Potential for tethered cord syndrome.

INVOICE

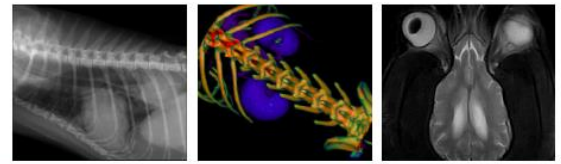
49979

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

DATE

1-31-22

The lumbosacral stenosis appears to be accentuated on the left side which does not correlate well with the description of the clinical signs. Its significance is therefore debatable. The dural tube ends level with the 6th lumbar vertebra and the filum terminale of the spinal cord is situated over L4/5.



PATIENT

Gaston Tobe

Significant sigmoid deformity of the thoracic spine is present secondary to a series of congenital thoracic vertebral malformations which may be associated with a tethered cord syndrome. However, the clinical significance of these deformities is highly variable and clinical correlation is required.

SPECIES

Canine

Kyphosis and scoliosis are predominating in the lumbar spine level with the 4th lumbar vertebra owing to malshape and malpositioning of the butterfly vertebra L4.

BREED

French Bulldog

An obvious explanation for the right hind limb lameness cannot be identified on the MRI study and peripheral neuropathy as well as orthopedic disease might be considered as differential diagnoses.

SEX

MN

AGE

1 Year

INTERPRETED BY

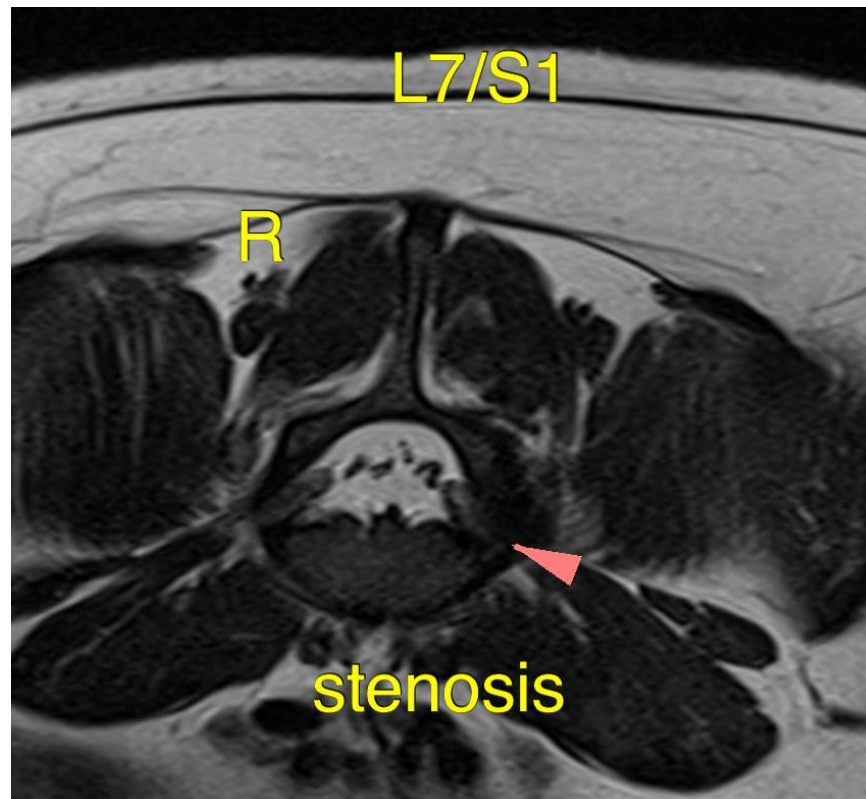
Nele Eley, DVM
Dr. med. Vet. DipECVDI

HOSPITAL NAME

Animal Health
Partners

REFERRING VET

Dr. Kilburn



INVOICE

49979

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.

DATE

1-31-22

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