



PATIENT PRESENTING CLINICAL SIGNS

Bamboo Hernandez Referred for suspected pain when picked up. Radiographs showed narrowed L7-S1
 Abnormal PE/Chem/CBC/UA Results: Ambulatory x 4, no CP noted prior to CT. Slight Right-sided head tilt.

SPECIES COMPUTED TOMOGRAPHIC STUDY OF THE SPINE

Canine Plain and post IV contrast studies available for review.

BREED COMPUTED TOMOGRAPHIC FINDINGS

French Bulldog The craniocervical junction presents within normal limits.
 Intervertebral disc mineralization is seen between C3/4 and C4/5 as well as C5/6 and C7/T1.

SEX Multiple vertebral malformation is seen within the mid thoracic spine. T4 is a moderately shortened butterfly vertebra. T5 is a hemivertebra. T6 and T7 are butterfly vertebrae. T8 is a lateralized hemivertebra. T9/10 are butterfly vertebrae. T11 is a ventralized hemivertebra.

Neutered Male

AGE No significant vertebral canal stenosis is seen. However, mild scoliosis and kyphosis are present. Spondyloses are present between T5, T6, T9, T10, and T11.

3 Years Mild narrowing of the intervertebral disc space L3/4 is seen with a mild amount of mineral attenuating material within the ventral epidural space level with L4. No evidence of compressive myelopathy is noted.

INTERPRETED BY

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 DVM Dr. med. vet.,
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Mineralization of the intervertebral disc L6/7 is seen with no significant disc hernia.
 Severe intervertebral disc protrusion with focal mineralization is noted between L7 and S1. Dorsal deviation and compression of cauda equina appear to be present.

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S1 is a butterfly vertebra, and the sacrum comprises two fused vertebrae only.

Block vertebrae of the caudal spine are seen.

COMPUTED TOMOGRAPHIC DIAGNOSIS

- REFERRING VET**
- Multiple congenital vertebral malformation in the mid thoracic between T4 - T11 with mild scoliokyphosis.
 - Severe degenerative lumbosacral stenosis with intervertebral disc protrusion and congenital butterfly vertebra S1.
 - Multifocal chondroid disc degeneration.
- INVOICE**
- Presumably chronic non-compressive disc extrusion L4.

51036 **INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS**

DATE

3-18-22

The main finding appears to be the severe lumbosacral stenosis secondary to chondroid disc degeneration and intervertebral disc protrusion. The patient may have been predisposed to early degeneration of the lumbosacral disc owing to the presence of a congenital vertebral malformation of



PATIENT the sacrum with S1 being a butterfly vertebra and reduced number of sacral vertebrae of two instead of three.

Bamboo Hernandez

The multiple vertebral malformations within the mid and caudal thoracic spine from T4 through T11 may not be of clinical significance per say. At this time, no evidence of significant stenosis or step formation is noted.

SPECIES

Canine Note the presence of multifocal degenerative disc disease.

BREED

French Bulldog

SEX

Neutered Male

AGE

3 Years

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REFERRING VET

Meaux

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.

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.

INVOICE

51036

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