



**PATIENT**

Pia Melendez

**PRESENTING CLINICAL SIGNS**

Pain since yesterday. Problems using hind legs. Hx: IVDD Surgical Planning. Surgical evaluation today.  
Abnormal PE/Chem/CBC/UA Results: CBC --- unremarkable CHEM --- unremarkable

**SPECIES**

Canine

**COMPUTED TOMOGRAPHIC STUDY OF THE SPINE**

Plain and post IV contrast studies of the cervical, thoracic, and lumbar spine available for review.

**BREED**

French Bulldog

**COMPUTED TOMOGRAPHIC FINDINGS**

The intervertebral disc space L2/3 is reduced in width. Extrusion of heterogeneously hyperattenuating material into the ventral epidural space at L2/3 and over the length of L2 is identified. The largest extent of the extrusion is level with the caudal vertebral end plate of L2 where a maximum of 35% of the vertebral canal's cross sectional area is occupied by the extruded material. No overt lateralization is identified.

**SEX**

F

Multiple discs throughout the cervical, thoracic, and lumbar spine present chondroid disc degeneration with varying degrees of mineralization.

**AGE**

2 Years

There is multiple congenital vertebral malformation with hemivertebrae at T4, T6, T8, T9, T12, and butterfly vertebra at S1.

Mild vertebral canal stenosis is seen level with T6.

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDF

The cranial and mid thoracic spine presents mild scoliosis.

There is early lumbosacral spondylosis deformans.

**HOSPITAL NAME**

Veterinary Image  
Center

The conformation of both tympanic bullae is narrow. The left tympanic bulla contains a moderate amount of fluid attenuating material. The horizontal part of both external auditory meatuses is nearly collapsed. The ear canal wall presents osseous metaplasia.

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Acute and moderately compressive intervertebral disc extrusion within the cranial lumbar spine between L2 and L3 with a maximum of the extrusion level with the caudal vertebral end plate L2.
- Multiple chondroid disc degeneration.
- Multiple congenital vertebral malformation with mild scoliosis and vertebral canal stenosis of the thoracic spine.
- Left sided otitis media - primary secretory versus infectious.

**REFERRING VET**

Dr. P. Frontera, DVM

**INVOICE**

51140

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**DATE**

3-24-22

The CT study reveals a presumably acute moderately compressive disc extrusion within the cranial lumbar spine between L2 and L3. The extruded material presents cranial migration. Moderate dorsal deviation and compression of the spinal cord is accentuating the level of the caudal vertebral end plate of L2. Decompressive surgery can be considered depending on the clinical correlation.



**PATIENT**

Pia Melendez

**SPECIES**

Canine

**BREED**

French Bulldog

**SEX**

F

**AGE**

2 Years

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

**HOSPITAL NAME**

Veterinary Image  
Center

**REFERRING VET**

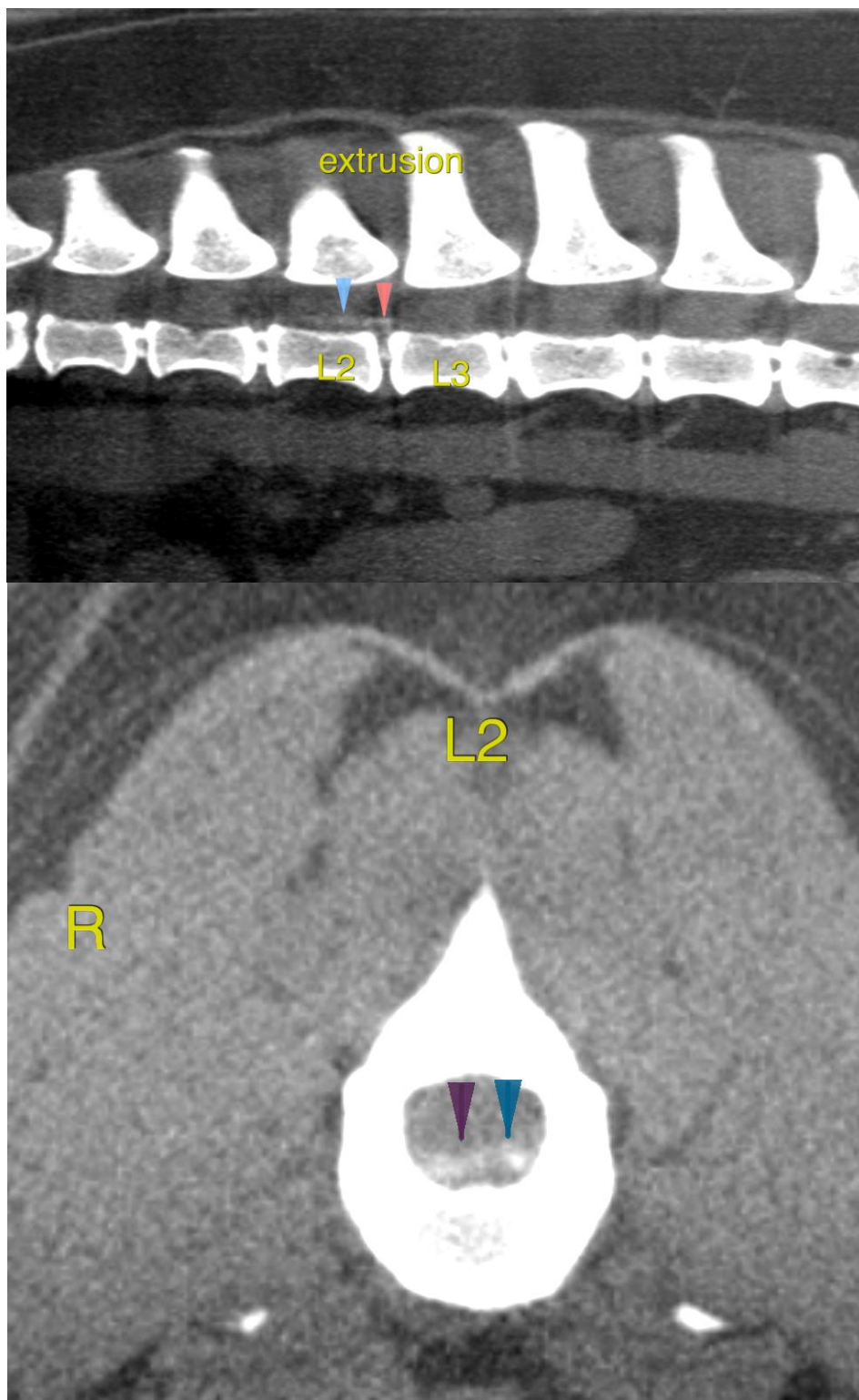
Dr. P. Frontera, DVM

**INVOICE**

51140

**DATE**

3-24-22





**PATIENT**

Pia Melendez

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.

**SPECIES**

Canine

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.

**BREED**

French Bulldog

**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

**SEX**

F

**AGE**

2 Years

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

**HOSPITAL NAME**

Veterinary Image  
Center

**REFERRING VET**

Dr. P. Frontera, DVM

**INVOICE**

51140

**DATE**

3-24-22