



PATIENT PRESENTING CLINICAL SIGNS

Bentley Safier Spinal issues-last few months, not as active, hesitant on stairs. Pain on spinal palpation. Right eye - has always been very small per O.
Abnormal PE/Chem/CBC/UA Results: CBC/Chem WNL Urinalysis - WNL

SPECIES COMPUTED TOMOGRAPHY OF THE SKULL, THORAX AND ABDOMEN

Canine A high resolution pre- and post-contrast CT study of the thorax and abdomen and a post-contrast CT study of the skull are provided for review.

BREED COMPUTED TOMOGRAPHIC FINDINGS

Schnauzer Mix Skull

The tooth elements 410 and 411 are absent.

SEX The nasal cavity presents the expected aerated spaces between thin & even conchae and turbinates with smooth mucosal lining.

MN The right ocular bulb has a significantly decreased diameter, measuring 8 mm, is mildly irregular in shape and presents with a mild heterogeneous contrast enhancement pattern.

AGE The medial wall of the left orbit presents a well-delineated defect, perforating the cranial fossa.

5 Both temporomandibular joints present congruent joint spaces with even subchondral bone surfaces and are considered within normal limits.

INTERPRETED BY Sebastian Schaub, DVM
Dr. med. vet. DipECVDI Both tympanic bullae are aerated, the mucosal lining is not seen, the bony wall is smooth and thin. The external ear canals are within normal limits.

The brain presents no deviation from normal anatomy and symmetry. The brain parenchyma is homogeneous and within normal limits for attenuation and distribution of contrast enhancement. The ventricular system is non-dilated and symmetric.

HOSPITAL NAME Catskill Veterinary Services, PLLC The submandibular and medial retropharyngeal lymph nodes are small and elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern is uniform.

REFERRING VET Thorax
The bony and surrounding soft tissue structures are within normal limits.

Kingston Animal Hospital The sternal, cranial mediastinal and tracheobronchial lymph nodes are small elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern is uniform and considered within normal limits.

INVOICE The cardiovascular structures including the pulmonary vasculature are within normal limits.

54810 The bronchial tree presents with regular branching and tapers uniformly towards the periphery as expected, the bronchial walls are thin and smooth. The bronchus-to-artery ratio is within normal limits.

DATE 10-25-22 In the dorsal aspect of the caudal part of the left cranial lung lobe, a zone with dystelectasis of the lung parenchyma is appreciated. The lung parenchyma presents the expected architecture and attenuation behavior.



PATIENT

Bentley Safier

Small incidental gas pockets are seen within the esophageal lumen, there is no evidence of abnormal dilation.

Abdomen

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Canine

The serosal fat presents normal attenuation behavior. There is no evidence of peritoneal effusion or peritonitis.

BREED

Schnauzer Mix

The adrenal glands are within normal limits for size, shape and organ architecture.

Both liver and spleen present with normal shape, even surface, uniformly attenuating parenchyma and homogeneous contrast enhancement, unremarkable.

SEX

MN

The portal vein presents a normal order of its tributary veins and intrahepatic branching. No abnormal vessel is noted inside and outside of the liver parenchyma.

The pancreas is evenly contoured, the pancreatic parenchyma is homogeneous and presents uniform contrast enhancement.

AGE

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The position, delineation, wall and content of the gastrointestinal tract are considered within normal limits throughout.

Level with the intervertebral disc space L3/L4, mineralized disc material is protruding into the vertebral canal, occupying approximately 55% of the cross-sectional area of the vertebral canal at the same level. The dural tube level L3/L4 is deviated dorsally and compressed. The mineralized disc material is extending cranially over the caudal vertebral endplate of L3 and caudally over the cranial vertebral endplate of L4.

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Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

Multifocal central mineralization of the intervertebral disc of the lumbar spine is appreciated.

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The patella of the left stifle joint is located medial to the medial femoral condyle The patella of the right stifle joint is in situ. The trochlea femoris bilaterally is shallow.. The periarticular bones of both stifle joints present mild to moderate osteophyte new bone formation.

COMPUTED TOMOGRAPHIC DIAGNOSIS

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- Intervertebral disc extrusion L3/L4 with compressive myelopathy
- Left sided medial patellar luxation
- Shallow trochlea femoris bilaterally
- Mild degenerative osteoarthritis stifle joints bilaterally
- Multifocal chondroid disc degeneration
- Suspect congenital microphthalmia
- Defect medial wall of left orbit – congenital versus preceding traumatic insult

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The intervertebral disc extrusion L3/L4 is a plausible explanation for the presenting clinical signs and surgical decompression is considered beneficial.

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The clinical relevance of the medial patellar luxation is unclear, as there is no history of hind limb lameness.



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No additional clinically relevant abnormalities are appreciated.

Bentley Safier

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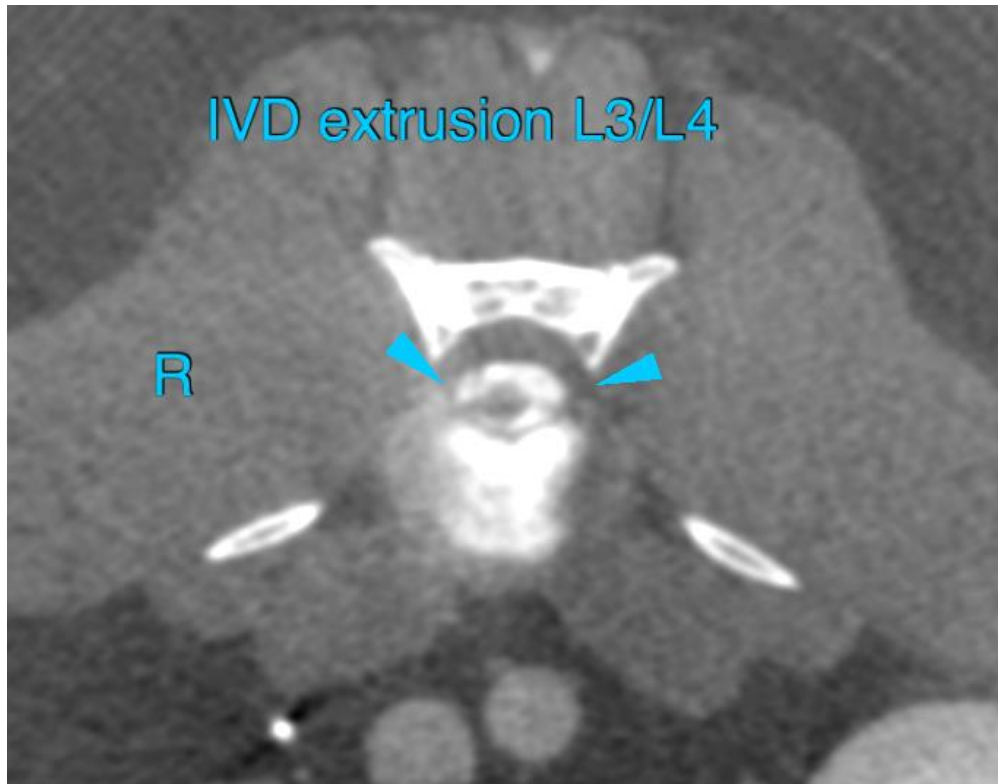
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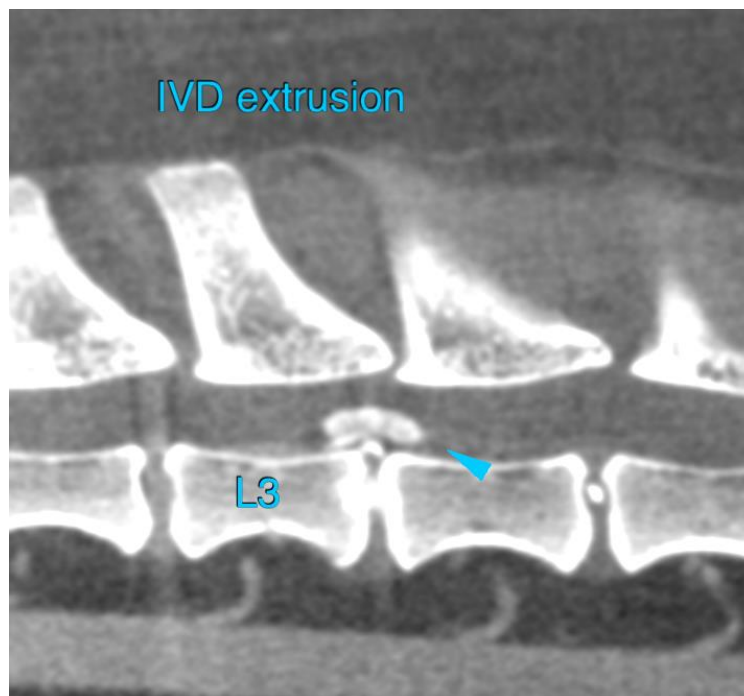
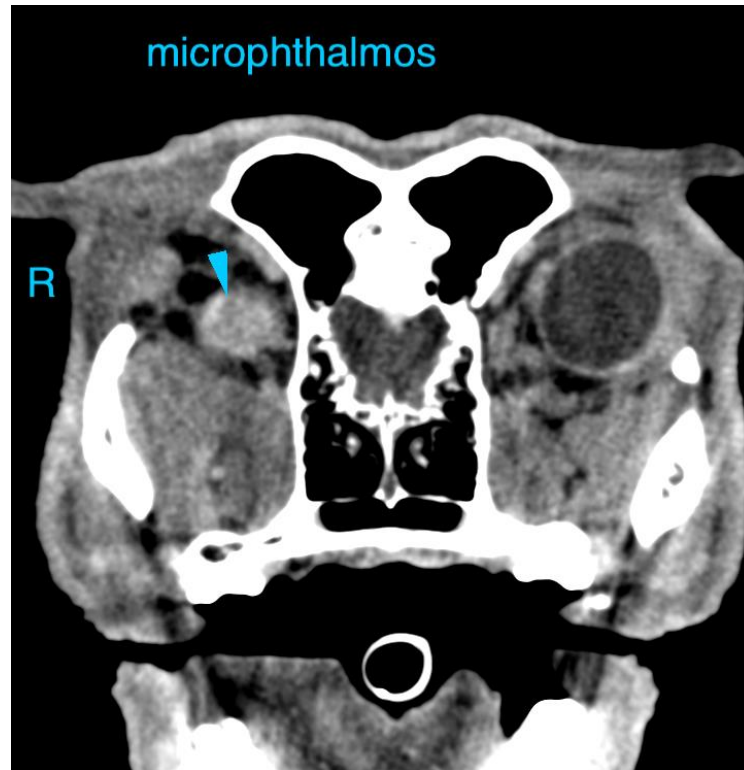
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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