



PATIENT

PRESENTING CLINICAL SIGNS

Jingle Belle Hopkins

Hx of hepatomegally P started sitting or standing and then began falling over asleep which prompted neuro exam and ER visit. Neuro ataxia in hind, but otherwise normal throughout. IVDD dog - hx diagnosis. BW shows mild ALKP elevations. Liver mass on US found (2 x 1 inch)

SPECIES

COMPUTED TOMOGRAPHY OF THE SKULL AND ABDOMEN

Canine

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

BREED

COMPUTED TOMOGRAPHIC FINDINGS

Brussels Griffon

Skull

SEX

The tooth elements 106, 107, 205-207, 305, 311, 405, 406 and 411 are absent.

Female Spay

The nasal cavity is occupied by soft tissue attenuating material.

AGE

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

9 Years

Both tympanic bullae are aerated, the mucosal lining is not seen, the bony wall is smooth and thin. The external ear canals are moderately thickened, and the lumen is narrowed. Mild shell-like mineralization of the external ear canals is present.

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

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

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.

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Abdomen

REFERRING VET

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

Gover

Both kidneys present within normal limits for size, shape and organ architecture. After contrast administration a bilaterally symmetric and uniform nephro- and pyelogram is noted.

INVOICE

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

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The spleen presents with normal shape, even surface, uniformly attenuating parenchyma and homogeneous contrast enhancement, unremarkable.

DATE

12-30-21

The hepatic volume is moderately increased, and the liver is protruding caudally beyond the costal arch. The hepatic margins are rounded. The hepatic parenchyma is uniform soft tissue attenuating and contrast enhancing.

**PATIENT**

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

Jingle Belle Hopkins

SPECIES

Multifocal moderate spondylosis formation is seen along the lumbar spine. Both coxofemoral joints present moderate to marked osteophyte new bone formation, R>L. The acetabular groove bilaterally is shallow, and the center of the femoral heads is lateral to the dorsal acetabular rim.

Canine

COMPUTED TOMOGRAPHIC DIAGNOSIS**BREED**

- Hepatomegaly
- Consolidation of the nasal cavity bilaterally
- Bilateral otitis externa with mild dystrophic mineralization of the external ear canals
- Multiple absent teeth
- Degenerative osteoarthritis coxofemoral joints bilaterally, due to hip dysplasia, R>L
- Spondylosis deformans

Brussels Griffon

SEX**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Female Spay

The CT study of the brain presents no abnormalities, explaining the described neurological clinical signs. If not yet done so the workup should be complemented by examination of CSF and complete bloodwork to screen for brain disease that is not necessarily associated with structural changes of the brain parenchyma. In case of the strong clinical suspicion of structural intraparenchymal changes an MRI appears beneficial.

AGE

9 Years

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The hepatomegaly is fitting the history and potentials include metabolic hepatic disease, hepatitis or diffuse neoplastic infiltration. No mass is appreciated in the current CT study, but image contrast is limited in the cranial abdomen, and intraparenchymal lesions can be missed. Ultrasound guided FNA sampling and/or Tru-cut biopsy can be used as minimally invasive methods for further workup.

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI**HOSPITAL NAME**

The consolidated nasal cavity can be caused by rhinitis, if there are any signs for upper airway congestion recommend rhinoscopy to rule out nasal adenoma formation or malignant transformation.

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SPECIES

Canine

BREED

Brussels Griffon

SEX

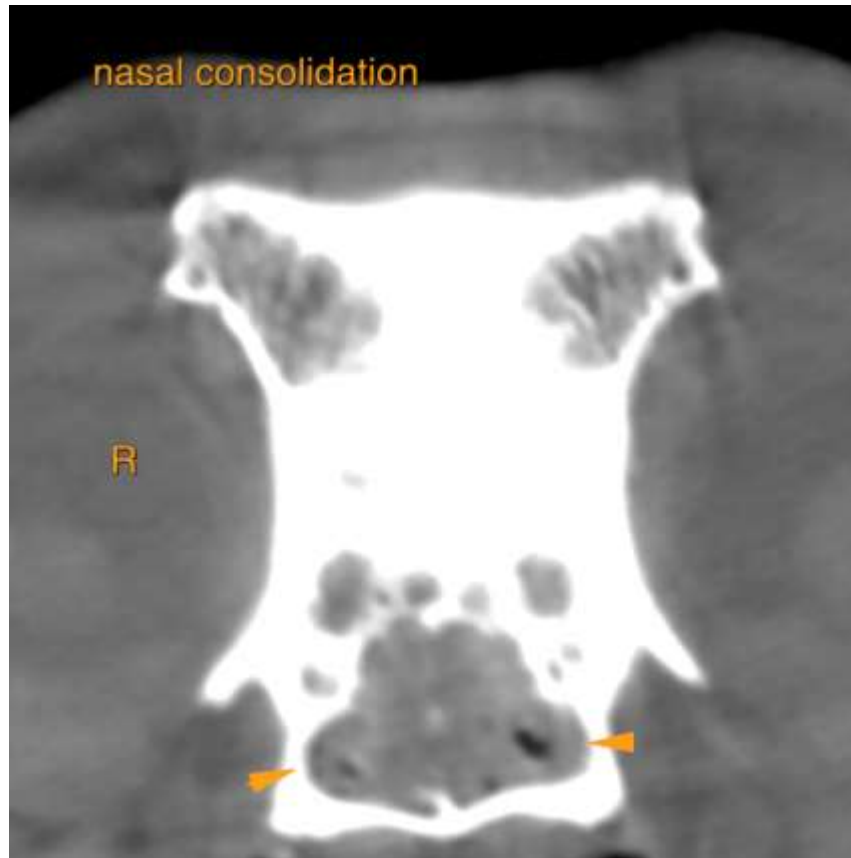
Female Spay

AGE

9 Years

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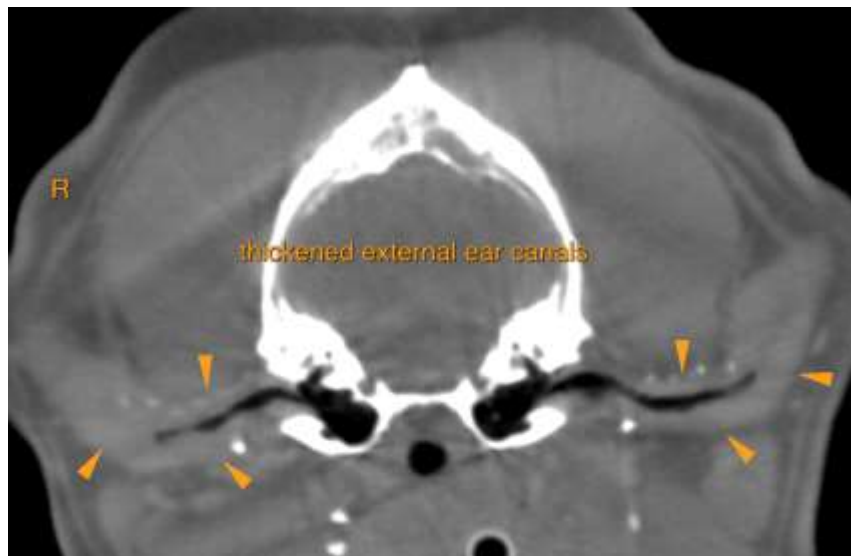
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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