



PATIENT PRESENTING CLINICAL SIGNS

Shayne Soluri 13 y/o male neutered labradoodle. Hx of urinary issues and collapsing episodes. SonoPath ultrasound 2/2022 indicated 'minor urethral thickening' was present at that time. Presented on emergency 1/4/23 for hematuria. Discharged as outpatient with Clavamox 250mg PO BID. DVM suggested CT scan to better evaluate brain and bladder. Abnormal PE/Chem/CBC/UA Results: bw attached

SPECIES

Canine

COMPUTED TOMOGRAPHY OF THE SKULL, THORAX AND ABDOMEN

BREED

A plain CT study of the skull and abdomen and a post-contrast CT study of the thorax are provided for review.

Goldendoodle

COMPUTED TOMOGRAPHIC FINDINGS

SEX

Skull

Multiple teeth are absent.

Male Neutered

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

AGE

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

13

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.

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. 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 pattern is uniform.

Westwood Regional
Veterinary Hospital

Generalized mild spondylosis formation is seen along the cervical spine. The intervertebral discs C2/C3 to C4/C5 are mildly bulging into the vertebral canal, distorting the ventral epidural space at the same level.

REFERRING VET

In the subcutaneous tissue at the dorsal aspect of the neck, level with C2/C3, a well-defined, soft tissue attenuating nodule, measuring 10 mm in diameter is appreciated.

Taylor McConnell,
DVM

Thorax

Multifocal spondylosis formation is seen along the thoracic spine. Nearly all intervertebral discs along the thoracic spine are mildly bulging into the vertebral canal, distorting the ventral epidural space.

INVOICE

56009

The sternal, cranial mediastinal and tracheobronchial lymph nodes are small elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation pattern is uniform.

DATE

1-6-23

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

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.



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Multifocal throughout the lung parenchyma, well-defined, roundish, gas filled lesions are appreciated, measuring up to 7 mm in diameter, demarcated by a thin soft tissue attenuating capsule.

SPECIES

Canine

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

BREED

Goldendoodle

Abdomen

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

Both kidneys present within normal limits for size, shape and organ architecture. The urinary bladder is empty. The urethra appears prominent.

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

SEX

Male Neutered

Both liver and spleen present with normal shape, even surface and uniformly attenuating parenchyma.

The pancreas is evenly contoured, the pancreatic parenchyma is homogeneous.

AGE

13

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

The intervertebral discs T13/L1 to L2/L3 and L6/L6&L7/S1 are mildly protruding into the vertebral canal, depressing the ventral epidural space respectively. Multifocal bridging spondylosis formation is seen along the lumbar spine.

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COMPUTED TOMOGRAPHIC DIAGNOSIS

- Possible thickening of the urethra.
- Multifocal mild intervertebral disc protrusion along the cervical, thoracic and lumbar spine without compressive myelopathy
- Multiple small bulla throughout the lung
- Multiple absent teeth
- Spondylosis deformans
- Normal brain

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REFERRING VET

Taylor McConnell,
DVM

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT study presents no specific abnormality, explaining the pigmenturia. However, the prominent urethra might indicate inflammatory or neoplastic infiltration (e.g. transitional cell carcinoma) – urethroscopy might be considered as advanced diagnostic test. As well as BRAF mutation test of a urine sample.

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In the study of the brain there is no evidence of macromorphological disease.

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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 and rule out hepatoencephalopathy and other systemic illness. In case of the strong clinical suspicion of structural intraparenchymal changes a post contrast CT study or MRI should be considered.



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No additional clinically relevant abnormalities are appreciated. The mild intervertebral disc protrusions are considered as clinically not relevant or might be a cause for intermittent spinal pain.

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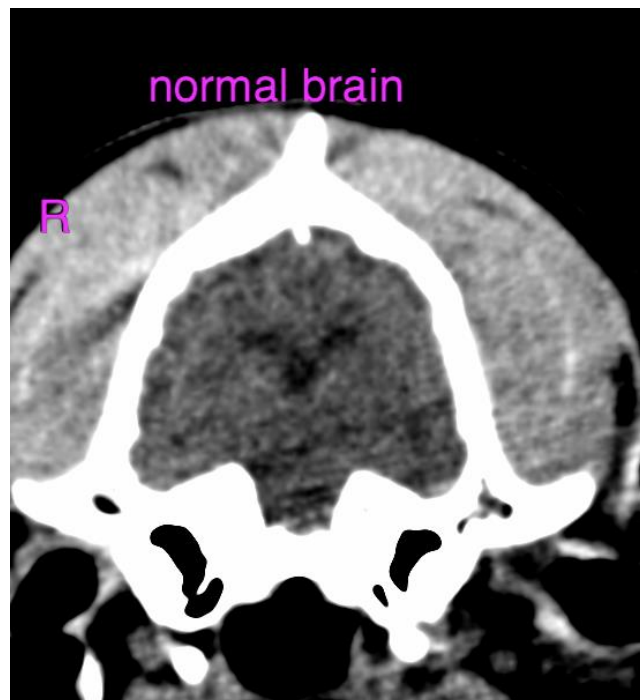
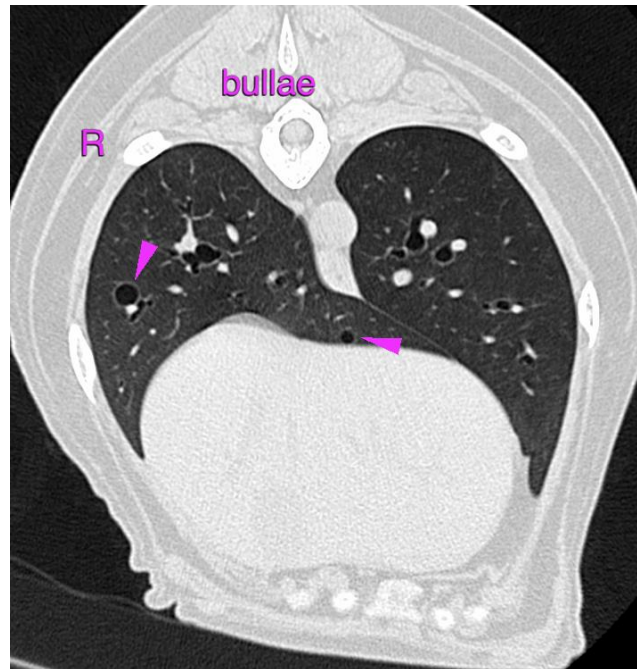
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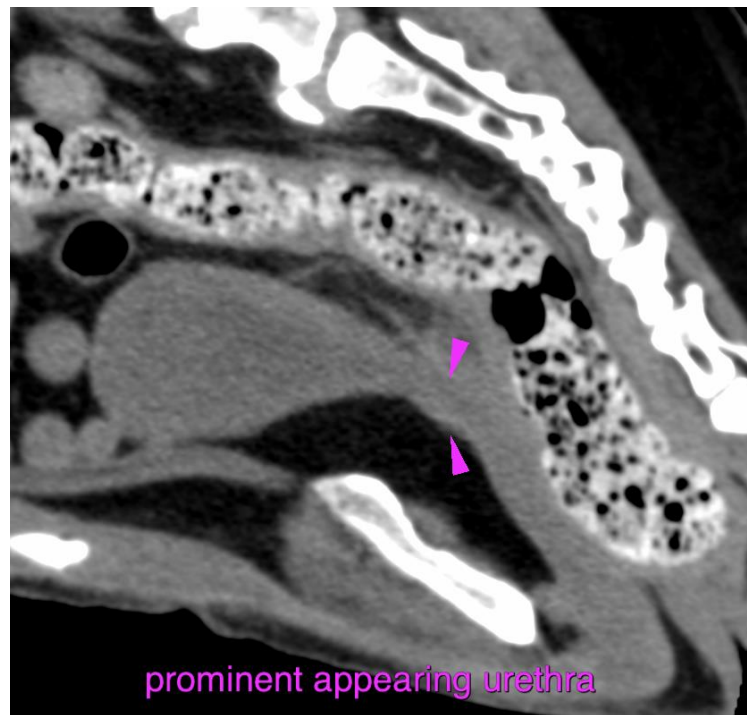
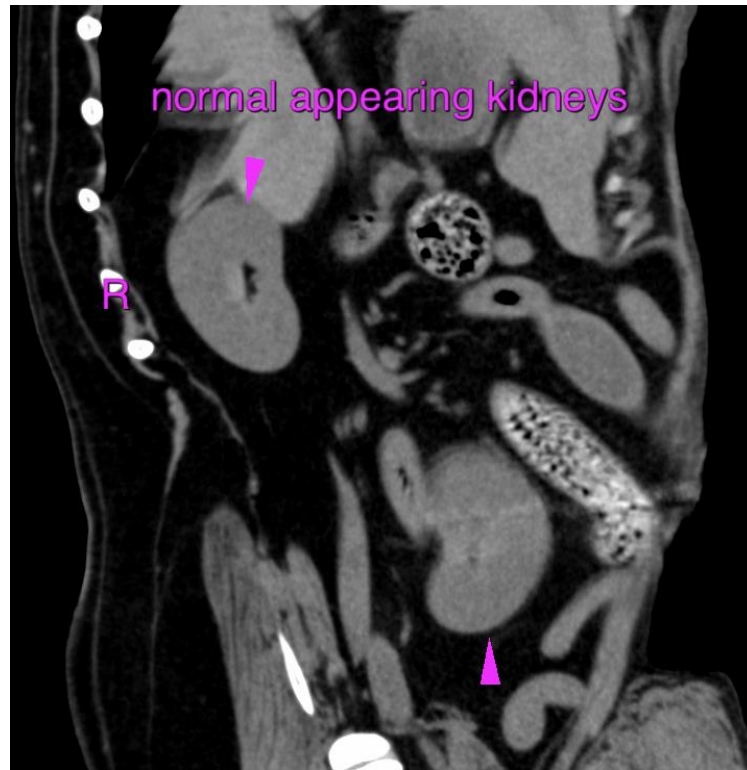
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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