



PATIENT

Badger Roche

PRESENTING CLINICAL SIGNS

tightly controlled HAC recent inappetence and lethargy vomiting noted FF around right kidney on u/s
Abnormal PE/Chem/CBC/UA Results: full profile pending

SPECIES

Canine

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD, NECK, THORAX, & ABDOMEN

Plain and post contrast studies in soft tissue and lung windows available for review.

BREED

Dachshund

COMPUTED TOMOGRAPHIC FINDINGS

Abdomen

The serosal fat presents normal attenuation behavior. Free peritoneal or retroperitoneal fluid is not seen at this point.

SEX

MN

Small cortical renal infarcts are seen associated with both kidneys.

AGE

10

The right and left adrenal glands present moderate asymmetric enlargement. The cranial and caudal poles of the left adrenal gland measure 10mm and 9mm respectively. The cranial and caudal poles of the right adrenal gland measure 13mm and 8mm respectively. Moderate architectural remodeling and strong corticomedullary definition are noted with a broad hypoattenuating zone in the periphery and extensive peripheral fat stranding circumferential to both adrenal glands as well as circumferential to the right kidney. No evidence of vascular invasion is seen. The caudal vena cava presents within normal limits.

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

Ectopic splenic tissue is seen cranial and medial to the head of the spleen. Heterogeneous enhancement of the spleen is noted.

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The liver is moderately enlarged with rounded lobar margins and multiple faintly hypoenhancing nodules. A moderate amount of hyperattenuating material is seen ventrally within the gallbladder.

The pancreas is relatively small. Pancreatic margins are ill-defined. No peripheral fat stranding is seen.

REFERRING VET

Eamon

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

The bony and surrounding soft tissue structures reveal no abnormalities.

INVOICE

56763

Thorax

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

DATE

2-15-23

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 are uniform and considered within normal limits.

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



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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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The lung parenchyma presents the expected architecture and attenuation behavior.

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

BREED

Dachshund

Head

The brain presents no deviation from normal anatomy and symmetry. The grey and white matter distinction and the neuroparenchymal attenuation are as expected. The distribution of contrast enhancement is within normal limits throughout the parenchyma and meninges. The ventricular system is non-dilated and within the limits of the expected volume and symmetry. At this point, there is no evidence of pituitary gland enlargement.

SEX

MN

Thin and smoothly folded conchae and turbinates with even smooth mucosal lining. The osseous lining of the nasal cavities is intact.

AGE

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

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Both tympanic bullae are aerated, the mucosal lining is not seen, the bony wall is smooth and thin. The external auditory meatuses present within normal limits.

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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The salivary glands present within normal limits.

Number, alignment, and anatomy of the cervical vertebrae present within normal limits.

The axial musculature presents within normal limits.

REFERRING VET

Eamon

Both lobes of the thyroid gland present within normal limits.

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Moderate bilateral adrenal gland enlargement with peripheral fat stranding, R>L.
- Hepatomegaly with hypoenhancing nodules.
- Biliary microlithiasis.
- Ectopic splenic tissue and heterogeneous enhancement of the spleen.
- Bilateral cortical renal infarcts.
- No evidence of pituitary gland enlargement.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Free peritoneal or retroperitoneal fluid is not seen at this point. However, there is extensive



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architectural remodeling of both adrenal glands with moderate asymmetric enlargement and peripheral fat stranding which includes the retroperitoneal fat circumferential to both adrenal glands as well as circumferential to the right kidney, which may correlate with the ultrasonographic findings. The changes are likely attributable to adrenal hyperplasia secondary to pituitary hyperadrenocorticism. The fact that no macromorphological enlargement of the pituitary gland is seen at this point is likely due to medical treatment or a microadenoma rather than pituitary macroadenoma.

SPECIES

Canine

The hepatic changes are compatible with endocrine hepatopathy with or without benign nodular hyperplasia.

BREED

Dachshund

The splenic findings support the presence of extramedullary hematopoiesis and/or benign nodular hyperplasia as well.

SEX

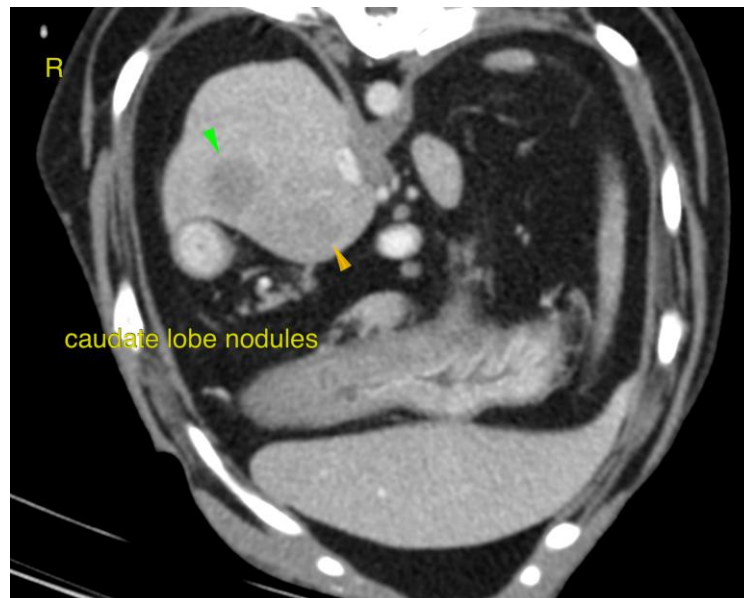
MN

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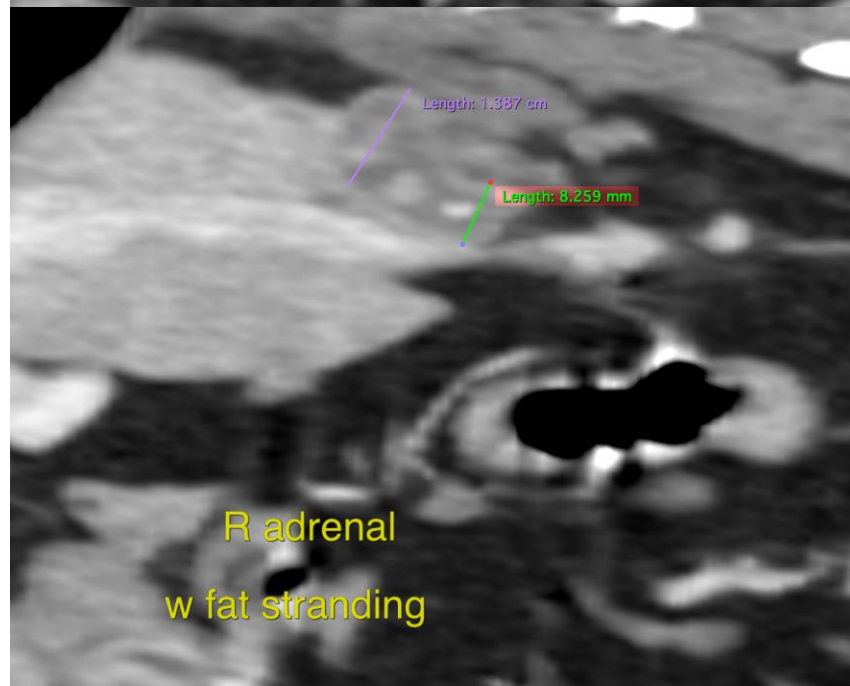
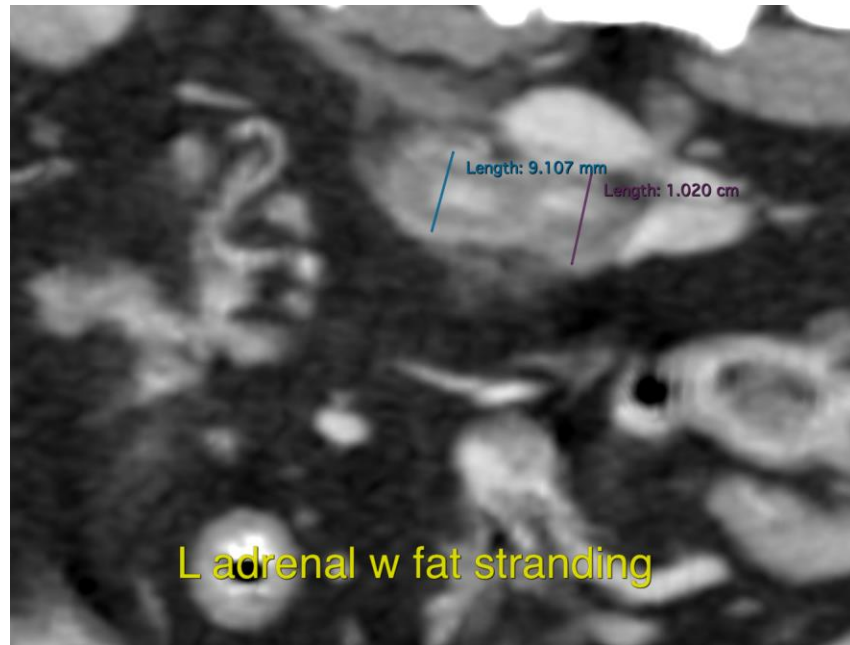
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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