



PATIENT

Pippa Waters

PRESENTING CLINICAL SIGNS

Dog with chronically mildly elevated thyroid level. No access to exogenous thyroid sources. Is now on methimazole to try and normalize the thyroid. Dog is also PU/PD and polyphagic, with elevated ALP.

SPECIES

Abnormal PE/Chem/CBC/UA Results: Hyperthyroid (mildly high total T4) for past 2 years. Elevated ALP. Pot-bellied appearance.

Canine

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

BREED

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

Chihuahua X

COMPUTED TOMOGRAPHIC FINDINGS

SEX

Head

FS

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. No evidence of pituitary gland enlargement is seen.

AGE

6 Years

Thin and smoothly folded conchae and turbinates with even smooth mucosal lining.

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

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

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.

HOSPITAL NAME

Animal Health
Partners

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.

The salivary glands present within normal limits.

REFERRING VET

Dr. Ashley Gold

Neck

Both lobes of the thyroid gland are seen and present within normal limits. Both lobes of the thyroid gland measure 17mm in length and 5mm in diameter. There is no evidence of parathyroid gland enlargement.

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Thorax

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

DATE

2-10-22

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.

SPECIES

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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

Chihuahua X

Abdomen

There is a small subcutaneous soft tissue attenuating nodule in the right lateral abdominal wall level with the 4th lumbar vertebra.

SEX

FS

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. After contrast administration a bilaterally symmetric and uniform nephro- and pyelogram is noted.

AGE

6 Years

The adrenal glands are within normal limits for size, shape and organ architecture. The average pole diameter on the left and right side is 5mm with no evidence of abnormal enlargement.

Small isoattenuating nodules are seen within the spleen.

INTERPRETED BY

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The liver presents moderate generalized enlargement with slightly rounded lobar margins. The parenchymal attenuation and enhancement are uniform and within the expected limits.

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

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

No evidence of portal lymphadenomegaly is seen.

REFERRING VET

Dr. Ashley Gold

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Moderate generalized hepatomegaly.
- Isoattenuating splenic nodules.
- No evidence of adrenomegaly.
- No evidence of pituitary gland enlargement.
- No evidence of structural abnormality of the thyroid gland.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

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The CT study suggests presence of hepatopathy. Consider metabolic/endocrine hepatopathy a potential versus diffuse infiltrative disease such as inflammatory/infectious and less likely neoplastic. Correlate with the laboratory values and consider ultrasound and parenchymal sampling for further definition as indicated.



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The splenic nodules are likely to represent benign nodular hyperplasia or extramedullary hematopoiesis. A neoplastic infiltrate is thought unlikely.

No evidence of pituitary gland enlargement, adenomegaly, or enlargement as well as other structural abnormality of the thyroid gland was detected on the CT study.

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Chihuahua X

SEX

FS

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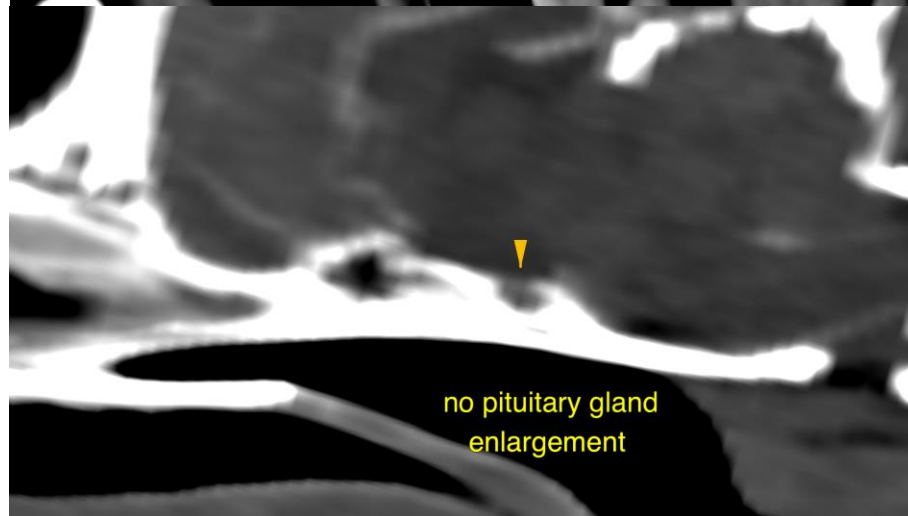
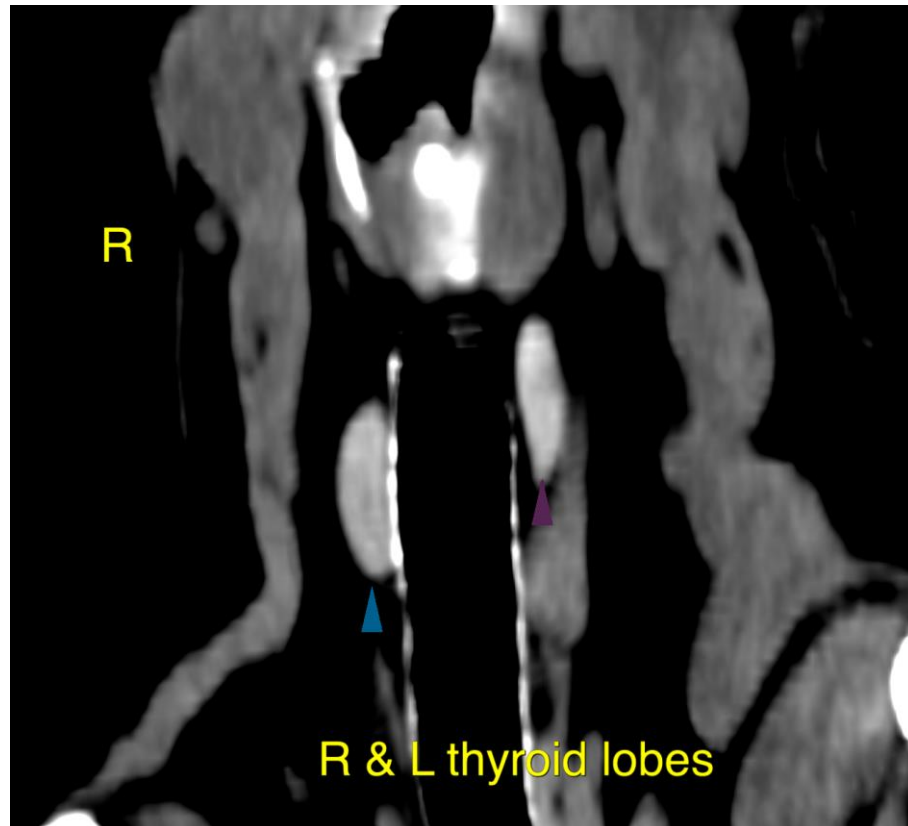
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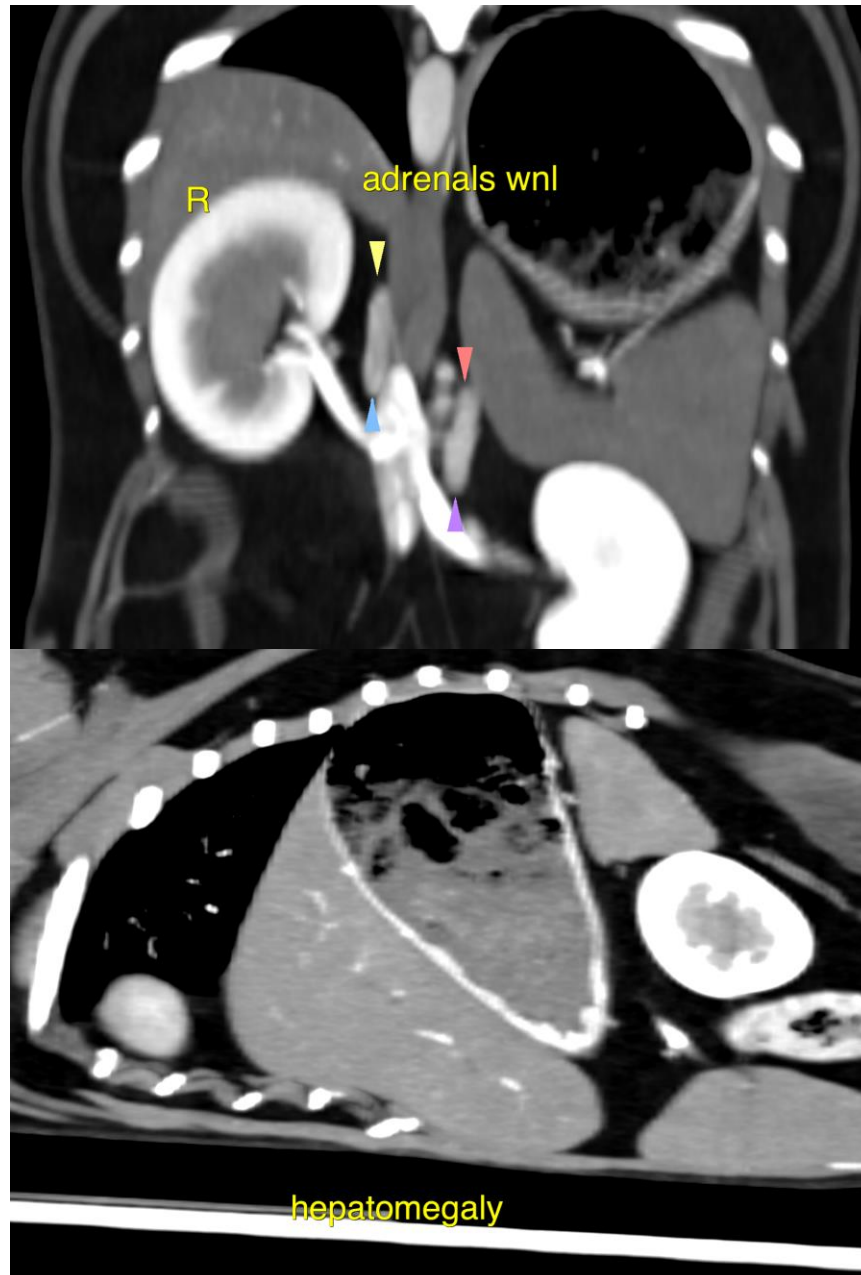
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

SPECIES

Canine

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