



PATIENT PRESENTING CLINICAL SIGNS

Willow Nicol
 Original presenting problem: Chronic coughing Previously known copper hepatopathy and lymphoplasmacytic gastritis. Suspect subclinical hyperadrenocorticism Cough improved with hydrocodone and salbutamol combinaton. Cough is dry and coarse in nature, occasionally some phlegm. Thoracic radiographs performed in February 2023 revealed a possible cranial mediastinal mass with no other noted abnormalities. No significant progress in clinical signs since being seen in February.
 Abnormal PE/Chem/CBC/UA Results: Dry cough, elevated ALP on biochemistry.

SPECIES

Canine

BREED

Mix Breed Small

COMPUTED TOMOGRAPHIC STUDY OF THE THORAX & ABDOMEN

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

COMPUTED TOMOGRAPHIC FINDINGS

SEX

FS

Patient's body score is excessive.
 Both lobes of the thyroid gland are seen and present within normal limits.

AGE

10 Years

Thorax

Abundance of subcutaneous, visceral, and mediastinal fat is seen which contributes to a widened cranial mediastinum. There is no evidence of a discrete cranial mediastinal soft tissue mass.

INTERPRETED BY

Nele Eley, DVM
 Dr. med. Vet. DipECVDI

Single mild cranial mediastinal lymphadenomegaly is noted.
 Course of the trachea is within normal limits. There appears to be mild generalized tracheal hypoplasia. Moderate to severe collapse of the tracheal carina and mainstem bronchi is noted.

HOSPITAL NAME

Animal Health
 Partners

Moderate generalized widening of the esophagus with gas and fluid content is seen.

The degree of pulmonary inflation is poor. A moderate increase in parenchymal attenuation is seen with dorsal and peribronchial accentuation. No evidence of interstitial pulmonary nodules or masses is noted.

REFERRING VET

Dr Melanie Dickinson

No significant cardiovascular changes are seen.

Abdomen

Moderate generalized enlargement of the liver is noted with slightly irregular hepatic lobar margins. An 11mm sized cyst and focal parenchymal mineralization are seen in the left lateral liver lobe. The gallbladder, cystic, and common bile ducts present within normal limits.

INVOICE

57325

The pancreas presents within normal limits.

DATE

3-20-23

The bilateral kidneys present slightly irregular surface with multiple cortical renal infarcts and cysts. Occasional focal parenchymal mineralization and small mineral attenuating foci within the renal diverticuli are seen.

The left adrenal gland's caudal pole diameter is 7mm and the right adrenal gland's caudal pole



PATIENT diameter is 5.5mm.

Willow Nicol A right perineal lipoma is seen.

Gastrointestinal tract, spleen, and urinary bladder present within normal limits.

SPECIES Small subcutaneous nodules are noted lateral to the right pelvis and right inguinal area.

Canine

COMPUTED TOMOGRAPHIC DIAGNOSIS

BREED

Mix Breed Small

- Moderate generalized interstitial lung pattern
- Carinal and bronchial collapse.
- Generalized esophageal dilation with gastroesophageal reflux.
- Hepatomegaly with parenchymal cyst and mineralizations.
- Bilateral hypercalcemic nephropathy.
- No significant adrenomegaly noted.
- No evidence of a mediastinal mass.
- Perineal lipoma.

SEX

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AGE

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT study reveals a poorly inflated lung with moderate increase in interstitial attenuation. Differential diagnosis includes idiopathic pulmonary fibrosis, chronic pneumonia/pneumonitis with chronic unclassified interstitial lung disease including interstitial pneumonia and pneumonitis with or without secondary fibrosis.

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Dynamic tracheal and bronchial disease accentuating the carina and mainstem bronchi is noted which may also contribute to the poor degree of pulmonary inflation and is typically a consequence of chronic degenerative bronchomalacia.

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The esophageal dilation and gastroesophageal reflux may be due to general anesthesia. Esophagitis, esophageal dysmotility, and megaesophagus cannot be ruled out entirely, even though considered less likely.

The findings of the liver may be associated with the copper hepatopathy. Vacuolar hepatopathy, endocrine, or other metabolic hepatopathy cannot be ruled out entirely.

REFERRING VET

Dr Melanie Dickinson

The CT presentation of the adrenal glands did not suggest hyperplasia even though hyperfunctioning adrenal glands cannot be ruled out entirely based on their morphology.

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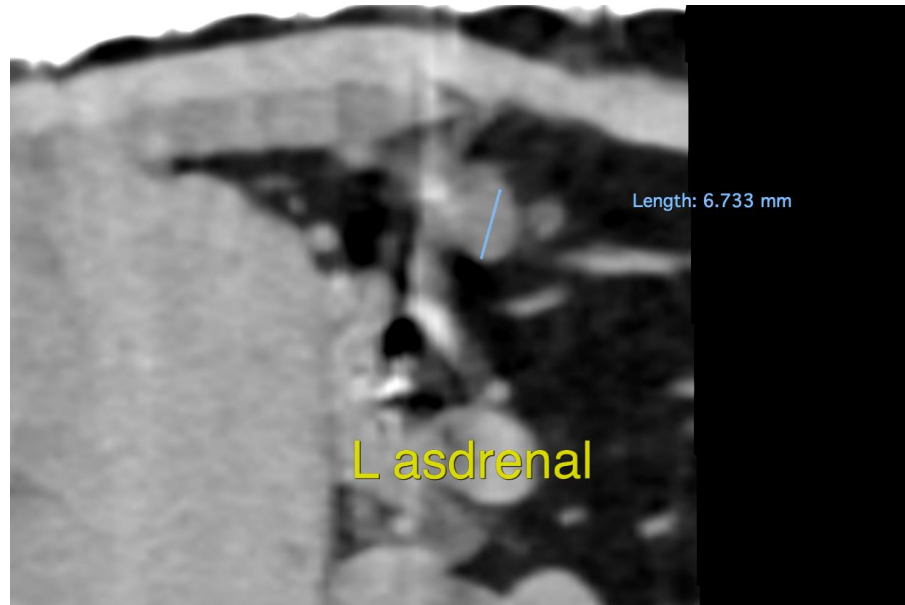
Dr Melanie Dickinson

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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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