



**PATIENT PRESENTING CLINICAL SIGNS**

Barney Fiver presented for PUPD, polyphagia - dx HAC + SARDs 2021 - poorly controlled HAC  
Abnormal PE/Chem/CBC/UA Results: moderate elevation ALK/ALT

**SPECIES COMPUTED TOMOGRAPHIC STUDY OF THE THORAX & ABDOMEN**

Canine Plain and post contrast studies of the thorax and abdomen in soft tissue and lung windows available for review.

**BREED COMPUTED TOMOGRAPHIC FINDINGS**

Shihtzu X **Abdomen**

**SEX**  
M  
**AGE**  
12

A heterogeneously enhancing expansile mass of approximately 2.0 x 1.6 cm is arising from the cranial pole of the right adrenal gland. There appears to be a thin stalk like extension of the mass into the caudal vena cava. A filling defect is seen within the caudal vena cava 2.0 cm cranial to the adrenal gland level with the diaphragm which occupies approximately 35% of the cross sectional area of the caudal vena cava at the same level. The left adrenal gland presents mild symmetric enlargement and mild architectural remodeling with a cranial and caudal pole diameter of 1.1 cm each.

Mild generalized enlargement of the liver with slightly rounded lobar margins and diffuse heterogeneous contrast enhancement is noted.

**INTERPRETED BY Thorax**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

A mild generalized bronchointerstitial lung pattern is noted.  
The trachea presents mild dorsoventral collapse.

**HOSPITAL NAME COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Advanced Veterinary Imaging
- Right adrenal gland mass meeting neoplastic criteria with presumed vascular invasion.
  - Suspect tumor thrombus within the caudal vena cava.
  - Suspect hyperplasia of the left adrenal gland.
  - Mild generalized hepatomegaly.
  - Presumably age related bronchointerstitial lung pattern.
  - Mild tracheal collapse.

**REFERRING VET INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**INVOICE**  
52927

The CT study reveals an expansile right adrenal gland mass. The CT findings suggest presence of early invasion of the caudal vena cava. Moreover, presence of a tumor thrombus within the caudal vena cava cranial to the right adrenal gland/upstream is suspected. Differential diagnosis includes adenocarcinoma and less likely pheochromocytoma or adenoma. The enlargement of the left adrenal gland may represent pituitary dependent or primary hyperplasia. The possibility of coexisting adrenal gland and pituitary neoplasia should be considered.

**DATE**  
7-18-22

The changes of the liver are relatively subtle and compatible with endocrine hepatopathy. Vacuolar degeneration, metabolic hepatopathy, storage diseases, and inflammatory as well as



**PATIENT**

infectious or neoplastic infiltrate cannot be ruled out entirely but are thought by far less likely.

Barney Fiver

**SPECIES**

Canine

**BREED**

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**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

**HOSPITAL NAME**

Advanced Veterinary  
Imaging

**REFERRING VET**

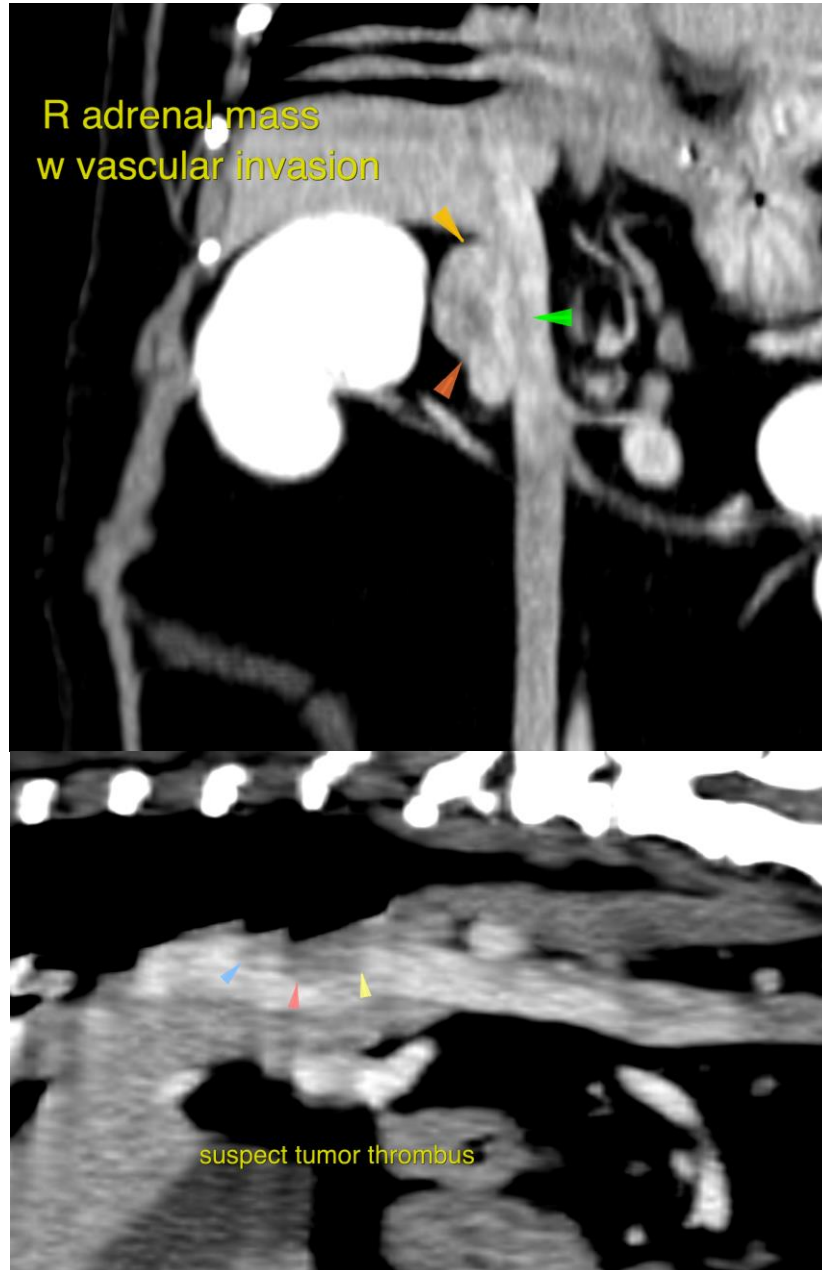
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**PATIENT**

Barney Fiver

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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