



**PATIENT**

Honey Dugger

**SPECIES**

Canine

**BREED**

Havanese

**SEX**

Spayed Female

**AGE**

1 Year, 3 Months

**INTERPRETED BY**

Tilde Rodrigues Froes,  
DMV, MSc., Dr. Med  
Vet., Dipl. CBraRVet

**HOSPITAL NAME**

Neel Veterinary  
Hospital

**REFERRING VET**

Deepan Kishore,  
DVM,MS, DABVP

**INVOICE**

57123

**DATE**

3-7-23

**PRESENTING CLINICAL SIGNS**

Pt presented last month for swaying and head bobbing. Ran Bile Acids February 24th - both values high. Preprandial 71.4 & Postprandial 120.4 Pt presented on the 3rd of this month (4 days ago) for worsening symptoms/possible seizure. Sent home on Keppra 125mg PO Q8. recommended CT scan for check for possible systemic shunts. Chem 15 ran this morning within normal limits.

**COMPUTED TOMOGRAPHIC STUDY OF ABDOMEN AND THORAX**

A high-resolution pre- and post-contrast CT study of the abdomen and thorax are provided for review. One pre-contrast and one post-contrast CT series are evaluated.

**COMPUTED TOMOGRAPHIC FINDINGS**

**Abdomen**

The liver is homogenously soft tissue attenuating and uniformly contrast enhancing with normal size and shape. The gallbladder is unremarkable. The intra-hepatic portal and hepatic vasculature are normal.

The portal vein is normal in size and pathway. The main tributary veins including the splenic vein, left gastric vein, and pancreaticoduodenal vein are normal.

The renal silhouettes are normal in size, shape, contour, and attenuation pre- and post-contrast. The renal length is 3.7cm in the right kidney and 3.8cm in the left kidney. No evidence of radiopaque calculi.

The ureters are normal in size with correct insertion in the trigone region.

The urinary bladder is moderately filled, with the apex in the plane of L6, and is homogeneously soft tissue opaque and admixed hyperattenuating material on the post-contrast series. No evidence of radiopaque calculi.

The spleen is mildly diffusely enlarged, homogenously soft tissue attenuating, and uniformly contrast enhancing, likely correlated to the anesthesia.

The stomach is severely filled and normally positioned, containing gas admixed with heterogenous soft tissue attenuating food material.

The duodenum and small intestine are nondilated and contain a small amount of fluid attenuating material and gas.

The colon and rectum contain gas admixed with heterogeneously soft tissue attenuating fecal material.

The pancreas and mesentery are normal.

The abdominal lymph nodes and adrenal glands are normal.



**PATIENT** The remainder of the abdomen is normal.

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**Thorax**

The trachea and main bronchus are normal.

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The pulmonary parenchyma is normal in attenuation.

The pleural space and mediastinum are normal.

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No evidence of enlarged mediastinal lymph nodes.

The diaphragm and thoracic wall are normal.

The musculoskeletal are unremarkable.

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**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- No evidence of congenital portosystemic shunt.
- Marked distended stomach, post-prandial. Differential diagnosis gastric ileus.
- Otherwise, normal abdomen.
- Normal thorax.

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

No signs of a congenital portosystemic shunt are seen. If the laboratory findings suggest hepatic disease and/or shunt, consider hepatic microvascular dysplasia as a differential diagnosis. In this situation, a hepatic biopsy is recommended.

Because of the possible seizure activity, consider a full neurological exam, other neurological laboratory PCR analysis or MRI for further evaluation of the brain.

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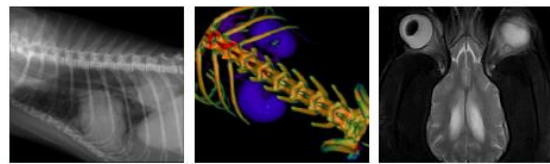
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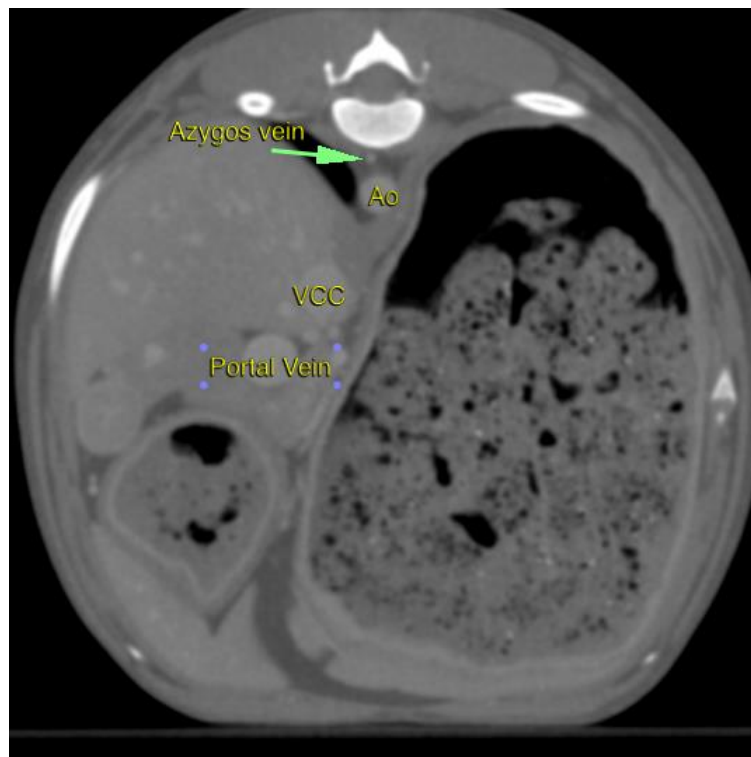
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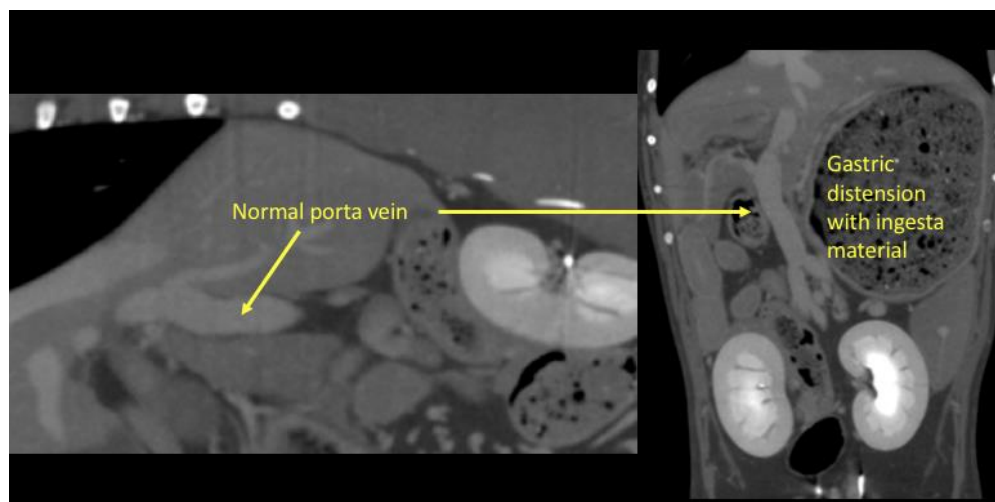
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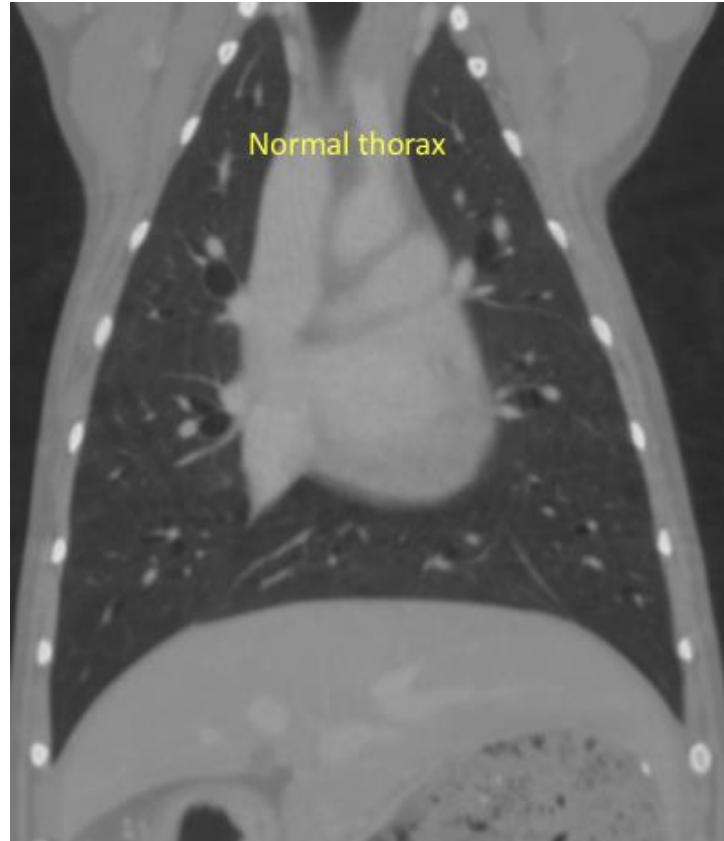
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

**Tilde Rodrigues Froes**, DMV, MSc., Dr. Med.Vet., Dipl.CBraRVet  
info@sonopath.com