



**PATIENT PRESENTING CLINICAL SIGNS**

Uni Vhang Presented for recent onset seizures - severe seizure activity requiring diazepam and propofol cri and intubation in hospital precluding an accurate neurological exam.

**SPECIES COMPUTED TOMOGRAPHIC STUDY OF THE ABDOMEN**

Canine A high-resolution pre-and post-contrast CT study of the abdomen are provided for review, totaling 8 series. Performed a CTA liver angiography with four phases scan, pre-contrast, post-contrast arterial phase of full abdomen, post-contrast venous/portal phase of full abdomen, post-contrast delay phase of full abdomen.

**BREED**

**Shihtzu COMPUTED TOMOGRAPHIC FINDINGS**

**SEX** There is a long anomalous shunting vessel that is emerging from the splenic vein extending and feeding into the azygos vein level with the diaphragm. The portal vein cranial to the splenoportal confluence decreases in size. The shunt vessel reaches a maximum diameter of approximately 0.80cm, and the portal vein in the portal hepatis reaches a maximum diameter of approximately 0.29cm. The azygos vein is distended.

**MN**

**AGE** The liver is moderately small in size, and the gastric axis is shifted cranially. The gallbladder is unremarkable, moderately hypoattenuating fluid distended.

**1 Year**

The kidneys are subjectively enlarged, with normal shape, and regular contour. No evidence of radiopaque calculi. The renal length is 3.5cm in the right kidney and 4.0cm in the left kidney.

**INTERPRETED BY**

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

No mineral attenuating calculi are visible within the urinary bladder. A urinary/urethral catheter is seen. Multiple small gas bubbles are seen into the urinary bladder, iatrogenic. Urethral catheter management could be considered.

The spleen is normal in size, homogenously soft tissue attenuating, and uniformly contrast enhancing.

**HOSPITAL NAME**

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The stomach is normally distended and contains a small amount of homogeneous attenuating fluid material admixed with gas.

The duodenum and small intestine are mildly dilated and contain a small amount of homogeneous hypoattenuating fluid content and minimal gas.

**REFERRING VET**

Dr. Greg Kilburn

The descending colon and rectum are moderately distended and contain gas admixed with heterogeneous soft tissue attenuating fecal material.

The pancreas and mesentery are normal.

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The abdominal lymph nodes and adrenal glands are normal.

The prostate is hypoplastic, unremarkable.

No other abnormalities are identified.

**DATE**

5-9-23



**PATIENT COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Uni Vhang
- Spleno-azygos extra-hepatic shunt with secondary microhepatia.
  - Bilaterally symmetric compensatory renomegaly.
  - No evidence of urinary radiopaque calculi.

**SPECIES INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Canine

The spleno-azygos shunt can explain the neurologic deficits and explains the episodes of seizure activity. A consultation with a specialized center is recommended to discuss the best option for surgical treatment.

**BREED**

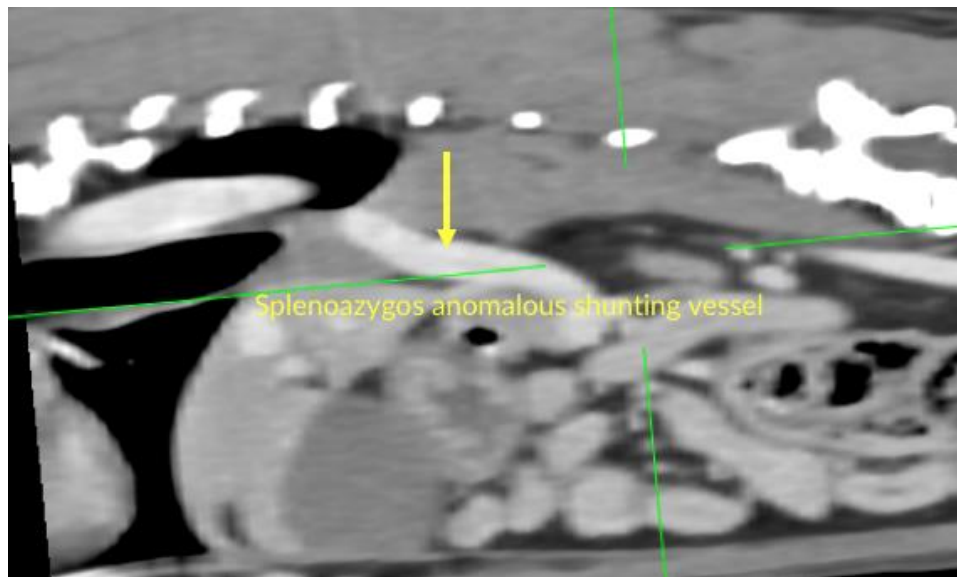
Shihtzu

**SEX**

MN

**AGE**

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DMV, MSc., Dr. Med  
Vet., Dipl. CBraRVet

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Partners

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**PATIENT**

Uni Vhang

**SPECIES**

Canine

**BREED**

Shihtzu

**SEX**

MN

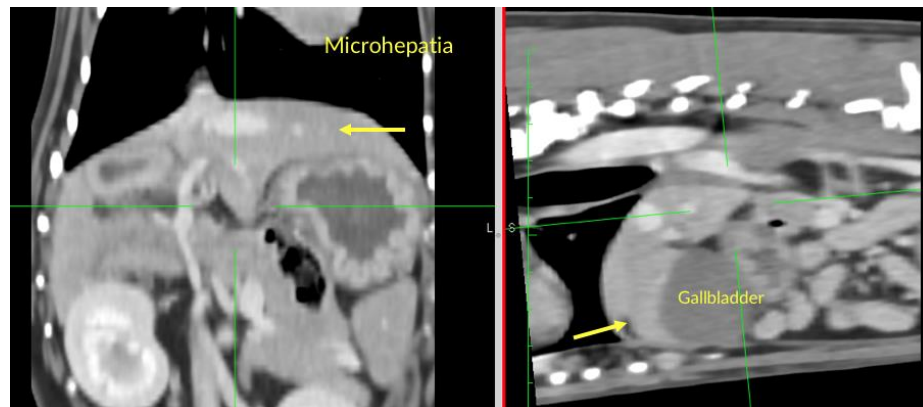
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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.

**DATE**

5-9-23

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