



PATIENT PRESENTING CLINICAL SIGNS

Tiny Zukowski

Referred for CT scan for suspected PSS. Since owner acquired him at 8 weeks of age he has been "off". Smaller than littermates, and has episodes of drooling, lethargy, and V+. Bloodwork showed increased ALT and Bile Acids. Iris are bright rust color. Abnormal PE/Chem/CBC/UA Results: rDVM Bile Acids Pre-prandial 17.7 (0-6.9) Post-prandial 111.7 (0-14.9) General panel here is attached

SPECIES

Canine

COMPUTED TOMOGRAPHIC STUDY OF THE ABDOMEN

BREED

DSH

A high-resolution pre-and post-contrast CT study of the abdomen are provided for review. Performed a CTA liver angiography with two phases scan, pre-contrast and post-contrast phase of full abdomen, and arterial/portal scans focused on the liver and portal vasculature.

COMPUTED TOMOGRAPHIC FINDINGS

SEX

MN

There is a large and long anomalous shunting vessel emerging from the splenic vein extending and feeding into the caudal vena cava level with the diaphragm via the dilated phrenic vein. The portal vein cranial to the splenoportal confluence abruptly decreases in size. The shunt vessel reaches a maximum diameter of approximately 0.73cm. The portal vein in the porta hepatis reaches a maximum diameter of approximately 0.24cm.

AGE

9 Months

The liver is small in size, and the gastric axis is shifted cranially.

The gallbladder is unremarkable, moderately distended with hypoattenuating fluid.

INTERPRETED BY

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

The kidneys are subjectively enlarged, with normal shape, contour, and attenuation. Right kidney length 4.6cm, left kidney 4.1cm. A small hypoattenuating cystic structure is seen in the cortices of the left kidney and measures approximately 0.26cm.

No mineral attenuating calculi are visible within the urinary tract.

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

The stomach is distended, contains moderate gas admixed with heterogeneous soft tissue attenuating ingesta.

REFERRING VET

Michigan Humane Society Veterinary Clinic

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

The colon contains gas admixed with soft tissue and mineral attenuating fecal material.

The pancreas and mesentery are normal.

The abdominal lymph nodes and adrenal glands are normal.

INVOICE

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The remainder of the abdomen is normal.

DATE

2-14-23



PATIENT **COMPUTED TOMOGRAPHIC DIAGNOSIS**

Tiny Zukowski

- Large extra-hepatic portophrenic shunt with secondary microhepatica.
- Bilaterally symmetric compensatory renomegaly.
- Left sided cortical microcyst, incidental.
- No mineral attenuating uroliths.
- Post-prandial gastric distention, and/or functional gastric ileus.

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Society Veterinary
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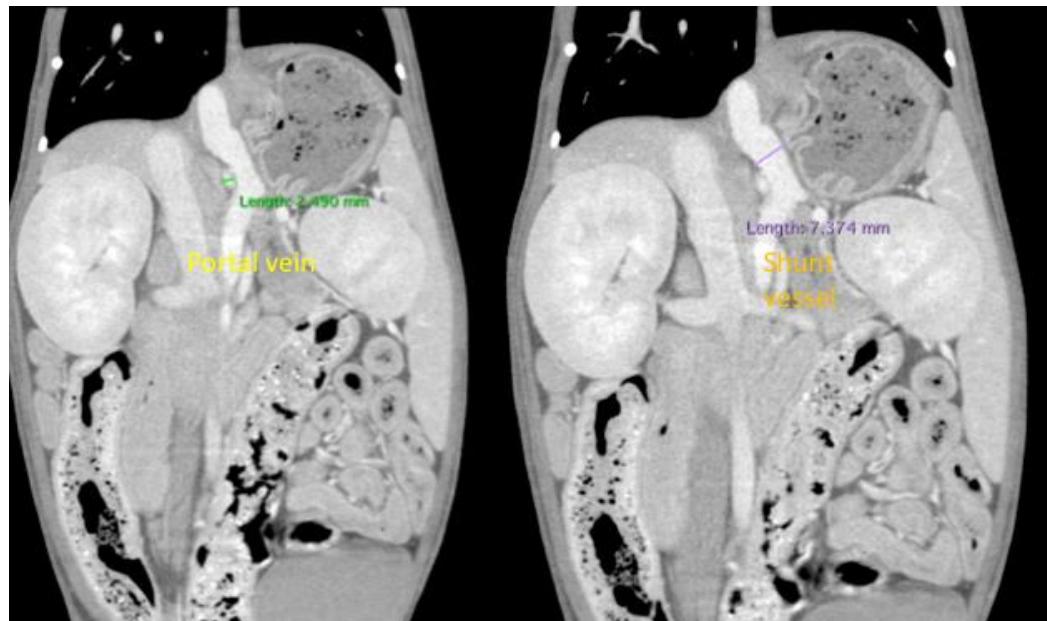
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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The suspected congenital portosystemic shunt is confirmed. Surgical treatment is suggested.

Calculi are not seen but low-attenuating calculi cannot be ruled out.

Gastric and gastrointestinal ileus can occur as a result of portosystemic shunt. A consult with a specialized center is recommended to discuss the best option for the surgical treatment.





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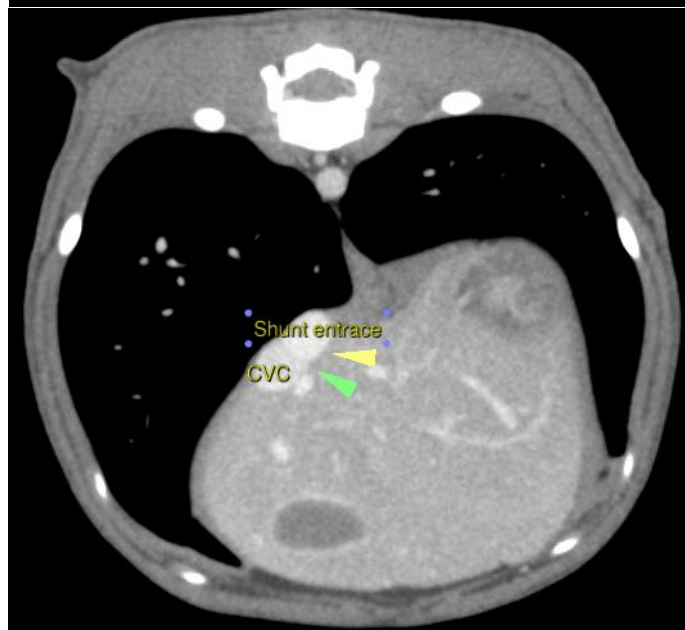
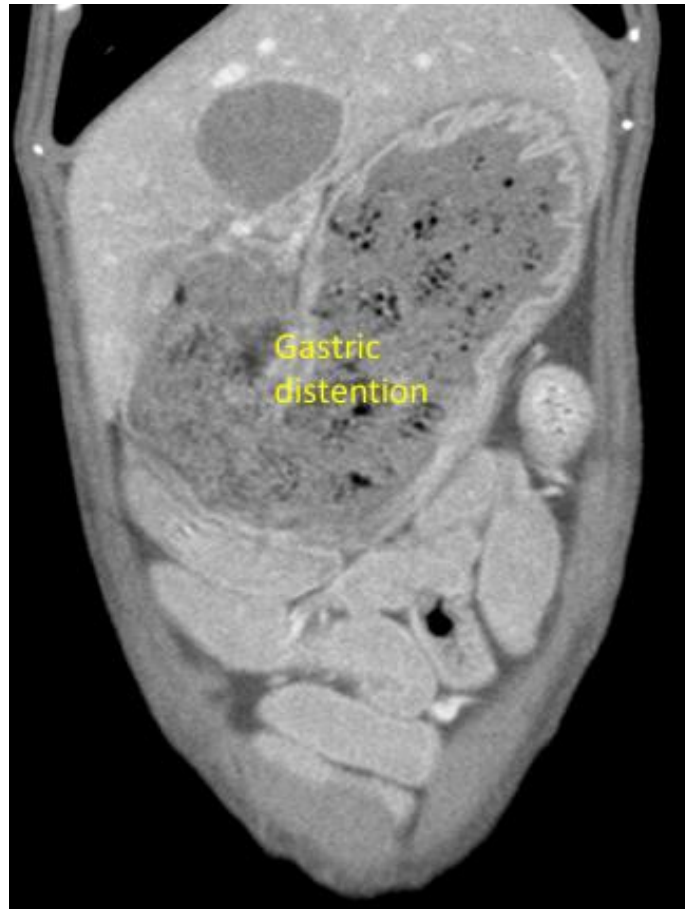
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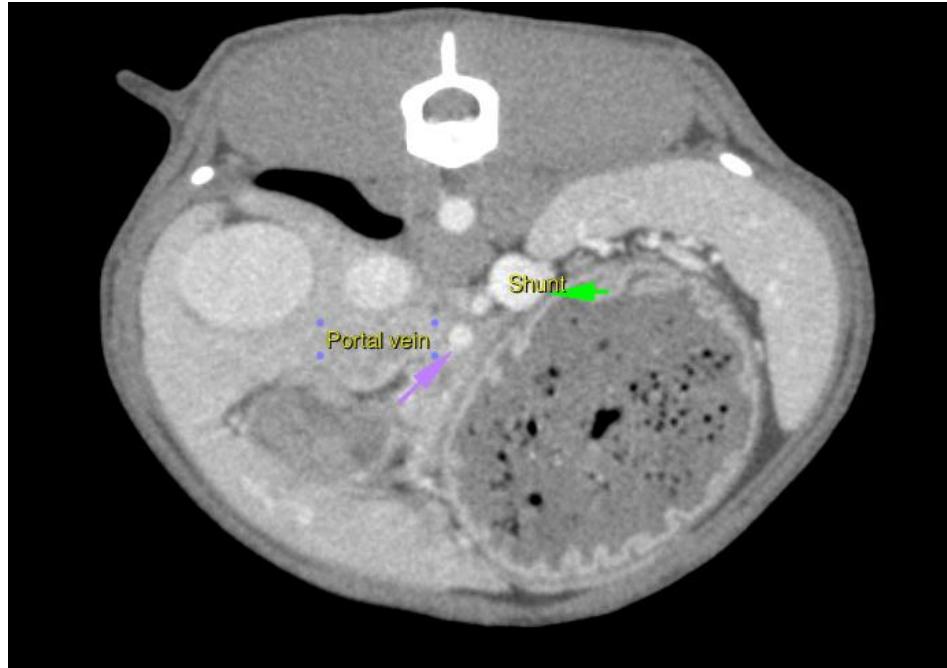
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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