



PATIENT PRESENTING CLINICAL SIGNS

Sophie Jimenez

P has a history of ataxia, blindness, anorexia a few months ago, losing her balance and being disoriented, ALT high, Bile Acids test abnormal suggesting Liver shunt. CT scan to confirm and surgery planning.

SPECIES

Abnormal PE/Chem/CBC/UA Results: BUN 4mg/dl Low, ALT 364 High, Bile Acids >100.

Canine

COMPUTED TOMOGRAPHIC STUDY OF ABDOMEN

BREED

A pre- and post-contrast CT study of the abdomen are provided for review. One pre-contrast series and three post-contrast CT series are evaluated.

Mixed

COMPUTED TOMOGRAPHIC FINDINGS

SEX

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

Female

AGE

There are multiple small and medium sized tortuous vessels within the mesentery and surrounding the left kidney and refers to multiple varices and corresponds with the left retroperitoneal varices from gastrosplenic veins and splenogonadal shunts.

2 Years

The portal vein is mildly distended in size (diameter) and with normal pathway. The main tributary veins including the splenic vein, left gastric vein, and pancreatoduodenal vein are normal in insertion.

INTERPRETED BY

The renal, pre-hepatic and hepatic caudal vena cava are abnormally distended; however, no evidence of filling defects in post-contrast series.

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

The kidneys are normal in size, shape, and regular contour. A few pinpoint mineral attenuating structures are seen in the renal pelvis in the right and left kidneys.

No mineral attenuating calculi are visible within the urinary bladder.

HOSPITAL NAME

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

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Villasmil

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

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

INVOICE

59156

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

The right, left, and body of the pancreas are moderately enlarged, mildly irregular in shape and contour with normal attenuation.

DATE

7-5-23

Minor fat-stranding appearance at the mesenteric fat. There is a mild amount of diffuse peritoneal effusion, more ventrally.



PATIENT

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The abdominal lymph nodes and adrenal glands are normal.

No other abnormalities are identified.

SPECIES

Canine

- Multiple acquired portosystemic shunts (MAPSSs).
- Severe microhepatica, differential diagnosis, considering the age of the patient, microvascular dysplasia, hepatoportal fibrosis, other primary hepatic anomalies.

BREED

Mixed

- Distended portal vein and caudal vena cava correlated to portal hypertension.
- Mild amount of peritoneal effusion, differential diagnosis includes transudate, modified transudate, less likely inflammatory.
- Few pinpoint nephrolithiasis in the kidneys.

SEX

Female

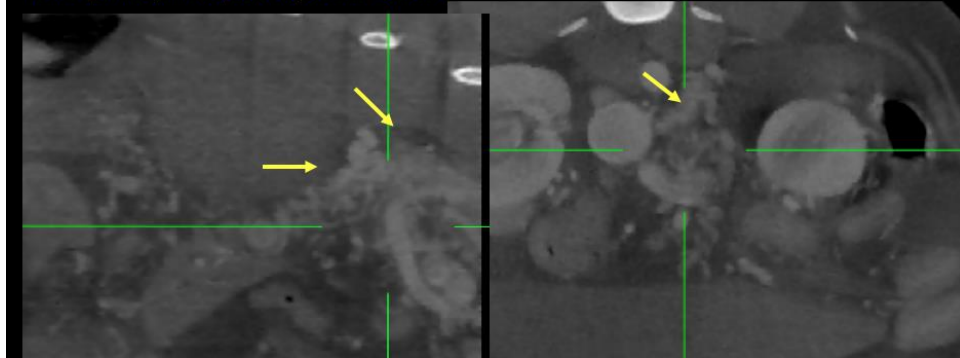
INTERPRETATION OF THE FINDINGS& FURTHER RECOMMENDATIONS

Multiple acquired portosystemic shunts (MAPSSs) in young patients can occur secondary to hepatoportal fibrosis (idiopathic noncirrhotic portal hypertension), or primary hepatic anomalies, for example, microvascular dysplasia. The treatment of MAPPSSs is aimed at alleviating clinical signs and is similar to medical management of congenital PSSs.

AGE

2 Years

Multiple acquired portosystemic shunts



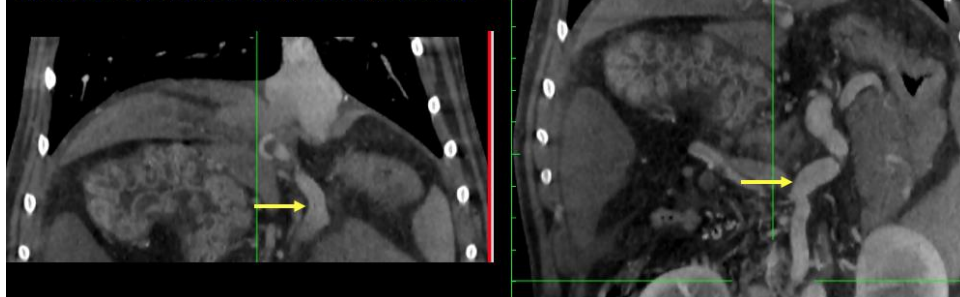
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HOSPITAL NAME

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Mildly distended Portal Vein, portal hypertension



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PATIENT

Sophie Jimenez

SPECIES

Canine

BREED

Mixed

SEX

Female

AGE

2 Years

INTERPRETED BY

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Vet., Dipl. CBraRVet

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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Mobile Pet Imaging

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DATE

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