



PATIENT PRESENTING CLINICAL SIGNS

Blue Owen Has neuro deficits. CBC/ Chem bloodwork is unremarkable. Doesn't suggest liver disease. Bile acids are elevated: BILE ACIDS (PRE) 129HIGH 0.0-14.9umol/L BILE ACIDS (POST) 202HIGH 0.0-29.9umol/L Seizures.

SPECIES COMPUTED TOMOGRAPHY OF THE ABDOMEN

Canine A pre- and post-contrast CT study of the abdomen in a lung and soft tissue reconstruction is provided for review.

BREED COMPUTED TOMOGRAPHIC FINDINGS

Golden Retriever The serosal fat presents normal attenuation behavior. There is no evidence of peritoneal effusion or peritonitis.

SEX Both kidneys present within normal limits for size, shape and organ architecture. After contrast administration a bilaterally symmetric and uniform nephro- and pyelogram is noted.

MN The adrenal glands are within normal limits for size, shape and organ architecture.

AGE The spleen presents with normal shape, even surface, uniformly attenuating parenchyma and homogeneous contrast enhancement, unremarkable.

1 Year, 2 Months The portal vein presents a normal order of its tributary veins. The right lateral intrahepatic branch of the portal vein presents with a moderate decreased diameter.. The left intrahepatic branch of the portal vein presents with an anomalous tortuous vascular loop coursing caudodorsally, connecting the left intrahepatic branch of the portal vein to a caudal left hepatic vein; the anomalous vascular loop is measuring 11 mm in diameter and presents an isthmus before draining into a left hepatic vein. Multiple small venous collateral are seen in the periphery of the large anomalous vessel, possibly located within the quadrate and left medial liver lobe.

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

HOSPITAL NAME

Animal Health Partners

The hepatic volume is mild to moderately decreased.

The pancreas is evenly contoured, the pancreatic parenchyma is homogeneous and presents uniform contrast enhancement.

The position, delineation, wall and content of the gastrointestinal tract are considered within normal limits throughout.

REFERRING VET

Dr. Greg Kilburn

The bony and surrounding soft tissue structures reveal no abnormalities.

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Left divisional intrahepatic portosystemic shunt with multiple collaterals
- Mild microhepatica

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The findings are consistent with a congenital left divisional single intrahepatic portosystemic shunt with multiple venous collaterals that merge again before the anomalous vessel enters a caudal left hepatic vein, connecting the left branch of the portal vein to a left hepatic vein. Hepatic encephalopathy is a plausible cause for the neurological clinical signs.

DATE

9-7-22

Either an intervention or surgical i by a slow progressive closure technique (ameroid constrictor, coil embolization) is the therapy of choice. Empirical treatment until



PATIENT surgery along with feeding of a hepatic diet is recommended.

Blue Owen

SPECIES

Canine

BREED

Golden Retriever

SEX

MN

AGE

1 Year, 2 Months

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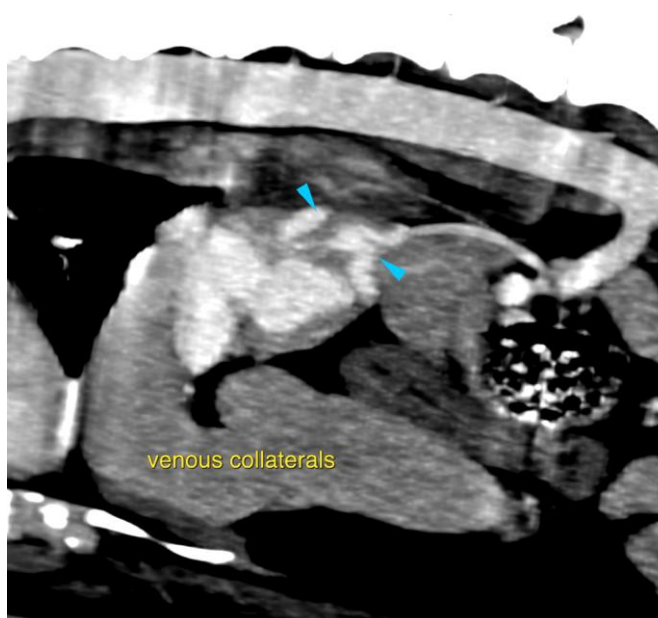
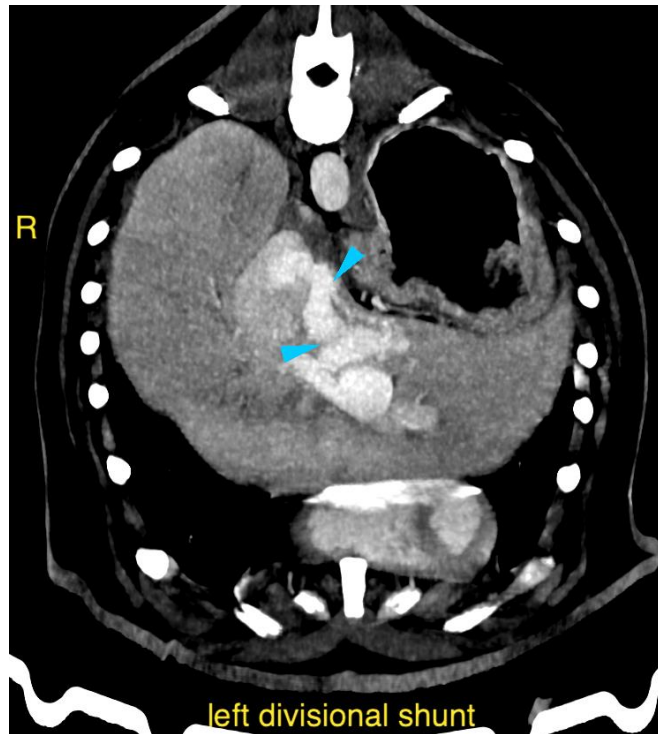
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PATIENT

Blue Owen

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.

SPECIES

Canine

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.

BREED

Golden Retriever

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SEX

MN

AGE

1 Year, 2 Months

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