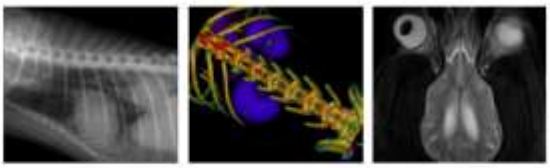
SonoPath Teleradiology

EDUCATIONAL TELECONSULTATION SERVICES™



SonoPath.com
1-800-838-4268 info@sonopath.com

PATIENT

Ollie Sookraj

SPECIES

Canine

BREED

Yorkshire Terrier

SEX

Male Neutered

AGE

1 Year, 4 Months

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

HOSPITAL NAME

Mobile Pet Imaging

REFERRING VET

Meaux

INVOICE

47759

DATE

10-12-21

PRESENTING CLINICAL SIGNS

Elevated bile acids, strongly suspect liver shunt. CT for surgical planning. Abnormal PE/Chem/CBC/UA Results: Pre Bile Acids 187.8 & Post Bile Acids >420 small liver on x-rays,

COMPUTED TOMOGRAPHIC STUDY OF THE ABDOMEN

2 post-contrast studies, one early and one delayed of the abdomen, available for review.

COMPUTED TOMOGRAPHIC FINDINGS

An extrahepatic shunt vessel is seen originating from the splenic vein and feeding into the caudal vena cava via a long loop into the dilated phrenic vein. Shunt diameter is 5mm. The portal vein diameter decreases abruptly cranial of the shunt origin and is significantly reduced compared to the aorta.

The liver is small in size. Intrahepatic portal vascular branching is sparce. The gallbladder is dilated with a large amount of uniformly fluid attenuating bile.

Fluid and a small ovoid mineral attenuating structure are seen within the stomach.

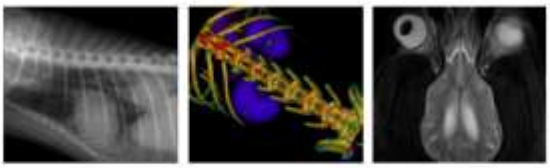
Both kidneys present mild generalized enlargement. There appears to be a moderate amount of mineral attenuating material within the renal pelvis of both kidneys. No evidence of ureteral obstruction is seen. A moderate amount of mineral attenuating material appears to be present within the urinary bladder.

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Single congenital extrahepatic portosystemic shunt of the portophrenico-type.
- Microhepatica.
- Compensatory renomegaly.
- Renal and urinary bladder sand - likely ammonium urate.
- Small foreign object in the stomach.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT study confirms the presence of an abnormal vascular bypass between the extrahepatic portal system and the systemic veins. A single extrahepatic portophrenico shunt is seen. Consider shunt closure via a slowly attenuating technique after taking the patient under dietetic management. Lactulose and antimicrobial treatment could be considered in the pre- and peri-operative phase as well.



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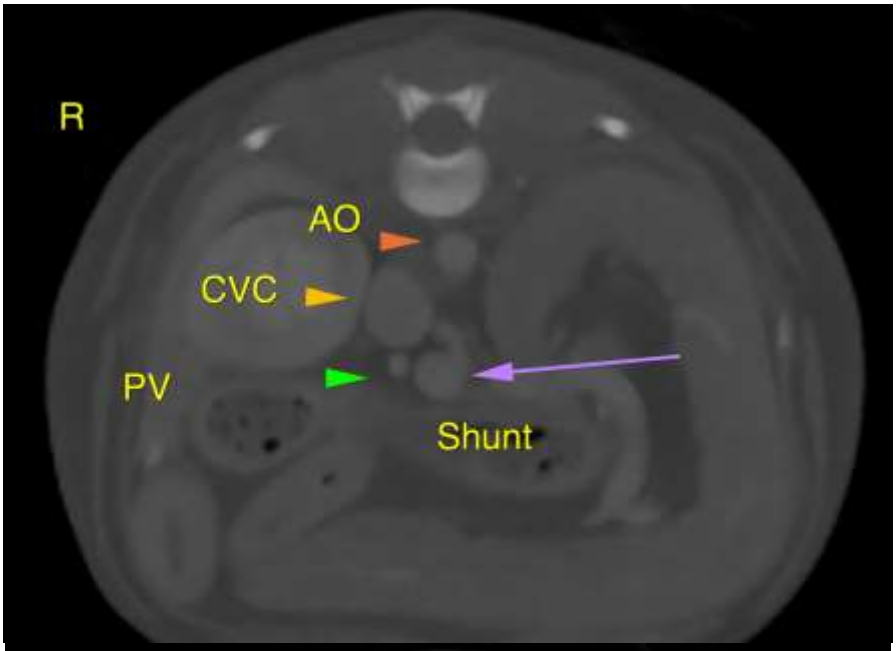

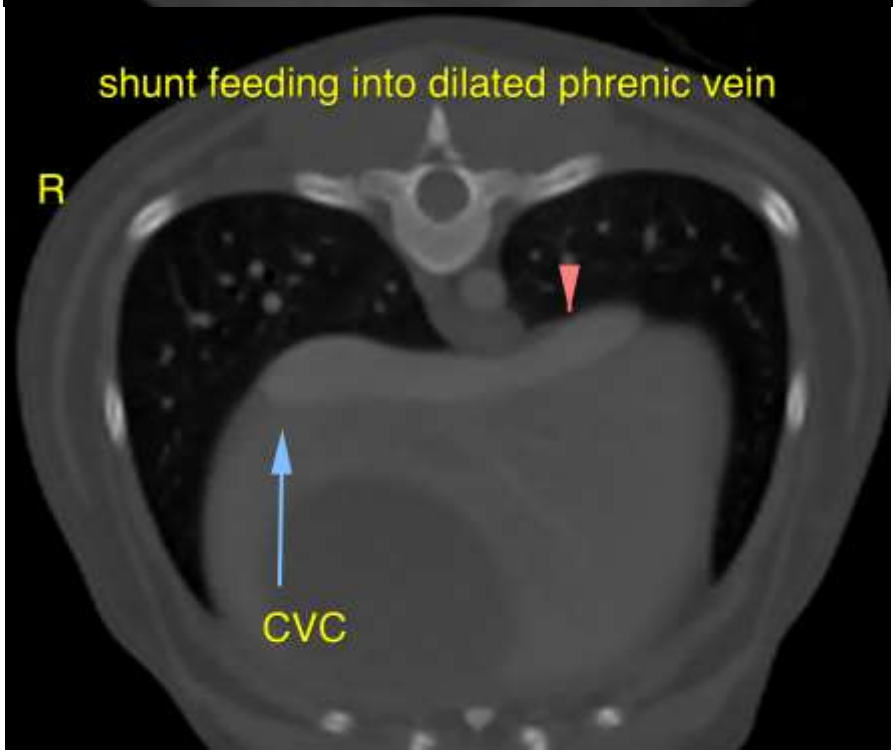

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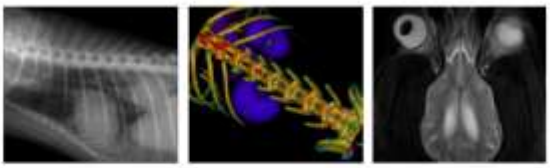

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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Nele Eley, DVM, Dr. med. vet., DipECVDI
European Specialist in Veterinary Diagnostic Imaging, Cert. Radiology,
Senior lecturer University of Giessen, Germany, Veterinary Faculty, Department of Radiology
Nele.Eley@sonopath.com