



PATIENT

PRESENTING CLINICAL SIGNS

Junior Koay Ai Phing

Patient come in with complains of weakness and lethargic. Intermittent drunken behaviour noted by owner once or twice a month, vomiting of food twice daily, dull behaviour and not gaining weight (undersize puppy). Pet was dewormed.

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: Blood test revealed hyperammonemia with elevated ALT and ALKP and hypoalbuminemia - 2.1 to 1.8. Xray of abdomen – suspect of microhepatica. Ultrasound abdomen showed liver is mildly reduced size but not significant small size as seen in PSS and bilateral abdominal cryptocid. Portosystemic shunt was suspected.

BREED

Shih Tzu

COMPUTED TOMOGRAPHIC STUDY OF THE ABDOMEN

Plain and post contrast studies available for review in soft tissue windows.

COMPUTED TOMOGRAPHIC FINDINGS

SEX

Male

The liver is mildly reduced in size.

AGE

6 Months

An extrahepatic portosystemic shunt emerging from the splenic vein and connecting with the caudal vena cava in a short dorsal course from the lefthand side level with the cranial pole of the right kidney is seen. The maximum shunt diameter is 6mm and it tapers down to 2mm directly before entering the caudal vena cava. The portal vein diameter decreased abruptly cranial to the shunt origin.

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

Mild generalized enlargement of both kidneys is seen. Multiple mineral attenuating foci are seen within the renal diverticuli and renal pelvis with no evidence of obstruction, pyelectasia, or hydroureter.

The urinary bladder is mildly distended. A small mineral attenuating calculus is seen within the urinary bladder.

HOSPITAL NAME

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The right and left testicle are not completely descended and seen to the right and left of the urinary bladder within the caudal abdomen.

COMPUTED TOMOGRAPHIC DIAGNOSIS

REFERRING VET

Dr. Sivan

- Single congenital extrahepatic portosystemic shunt of the spleno-caval type.
- Microhepatica.
- Mild compensatory bilateral renomegaly.
- Renal and urinary bladder microlithiasis – likely ammonium urates.
- Bilateral cryptorchid abdominal testicles

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT study confirms presence of a portosystemic bypass. A single congenital extrahepatic spleno-caval shunt is seen. Consider shunt attenuation by means of a slowly attenuating technique along with dietetic and medical management.

DATE

1-7-23

The testicular descendence is incomplete bilaterally. Two abdominal cryptorchid testicles are seen. Consider surgical excision.



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REFERRING VET

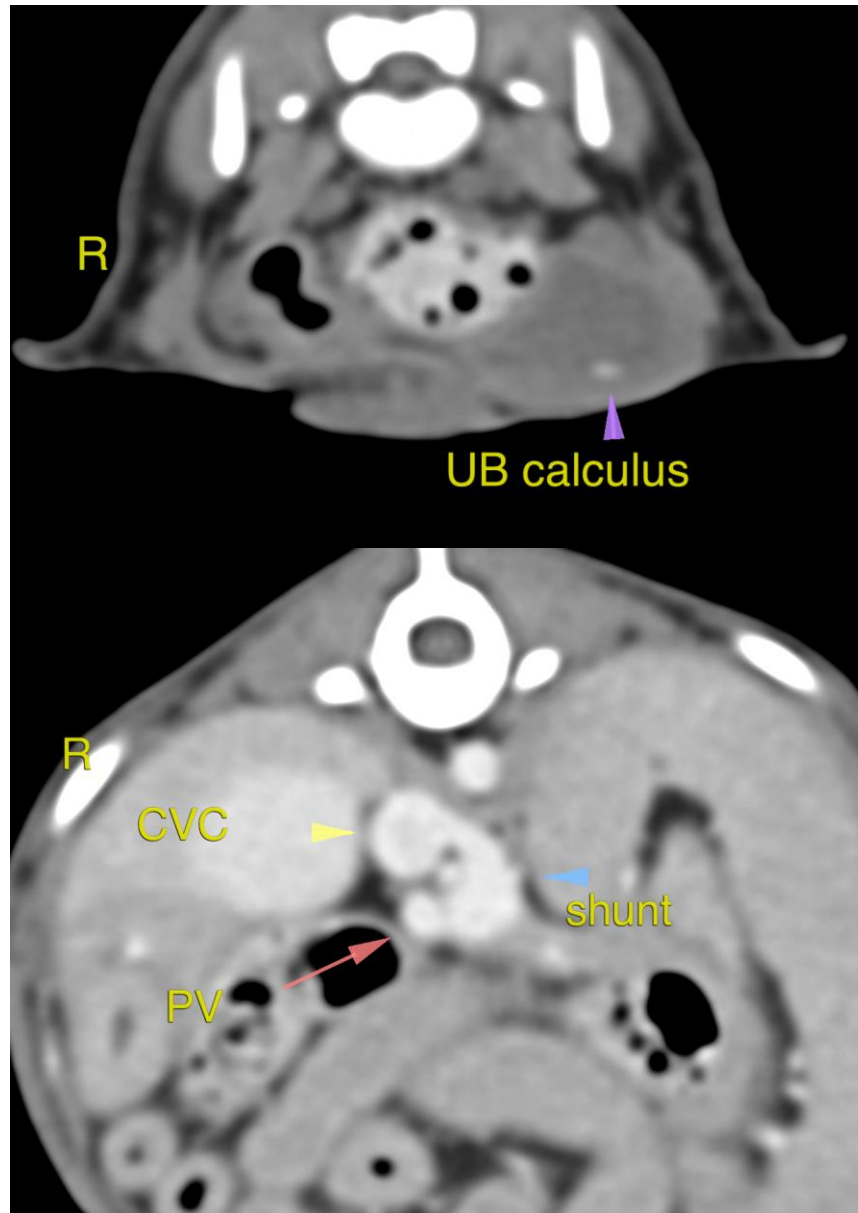
Dr. Sivan

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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

Shih Tzu

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