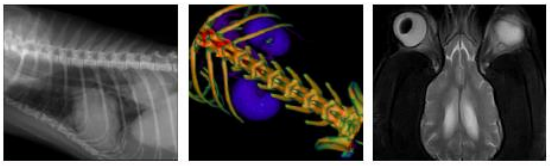
SonoPath Teleradiology

EDUCATIONAL TELECONSULTATION SERVICES™



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

PATIENT

Abbey Flaga

SPECIES

Canine

BREED

Chihuahua Mix

SEX

FS

AGE

7 Years

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

HOSPITAL NAME

Wilson Veterinary Hospital

REFERRING VET

Dr. John Wilson

INVOICE

52970

DATE

7-19-22

PRESENTING CLINICAL SIGNS

Pet was diagnosed with a congenital PSS and had surgery (ameroid constrictor) at another clinic in 2016. Since that time, pet has been in and out of the hospital for bladder stones/ UTO, renoliths w/ various degrees of hydronephrosis that seemed to respond to medical management, episodes of hypoglycemia and episodes of sig increased NH3 causing hepatic encephalopathy. A CT was recommended to assess liver for possible acquired shunt, pancreas and kidneys. Abnormal PE/Chem/CBC/UA Results: Currently all WNL, but intermittently increased LE, NH3, hypoglycemia, UTI's, azotemia

COMPUTED TOMOGRAPHIC STUDY OF THE ABDOMEN

Plain and post contrast studies available for review.

COMPUTED TOMOGRAPHIC FINDINGS

Patient has a history of prior portosystemic shunt attenuation with an ameroid constrictor.

The ameroid constrictor is seen in the right craniodorsal abdomen to the right and lateral of the portosystemic shunt.

A patent single extrahepatic porto-azygos shunt is emerging from the portal vein level with the splenic vein entrance and coursing dorsally to feed into the dilated azygos vein level with the diaphragm. Portal vein diameter decreased abruptly cranial to the shunt origin. Intrahepatic portal vein branching appears to be reduced. The liver is relatively small.

Both kidneys present a heterogeneous nephrogram and irregular surface with multiple concave surface retractions. The pyelogram of both kidneys is delayed. The renal pelvises are dilated with mineral attenuating conglomerates of approximately 2.0 x 1.0 cm. Proximal ureteral dilation is seen bilaterally. No mineral attenuating material can be seen in the ureters further distally.

The pancreas presents within normal limits.

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Patent single extrahepatic congenital portosystemic shunt of the porto-azygos type after unsuccessful placement of an ameroid constrictor.
- Bilateral chronic nephropathy with partially obstructive renal calculi and pyelectasia as well as mild bilateral hydroureters.
- Microhepatica.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The portosystemic shunt connecting the portal vein with the dilated right azygos vein is still patent. The ameroid constrictor is located right next to the shunt vessel.

The renal calculi do cause pyelectasia and at least partial obstruction of the renal pelvis. They likely represent ammonium urates. Decreased renal excretion and nephritis appear to be a potential.

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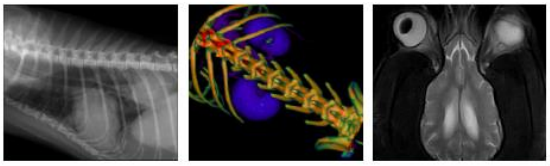

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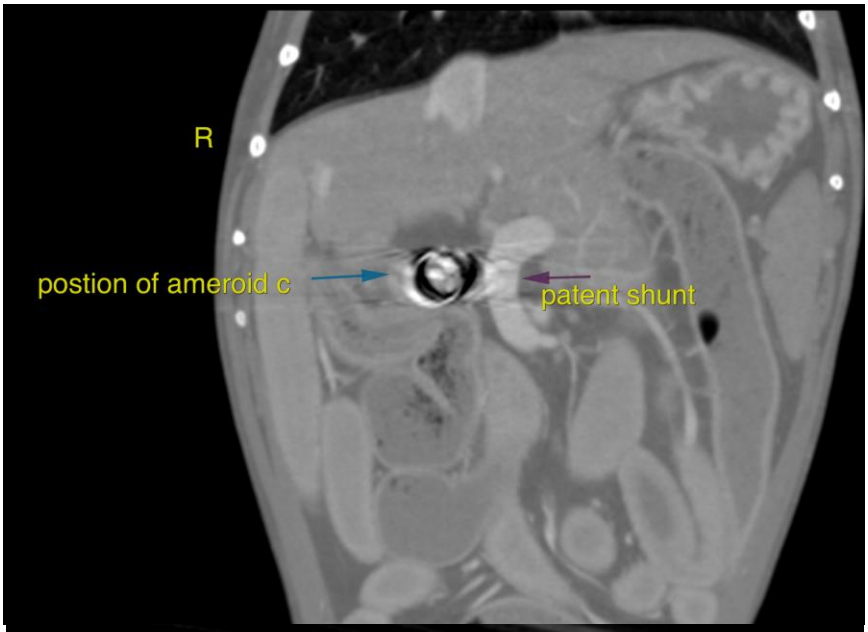

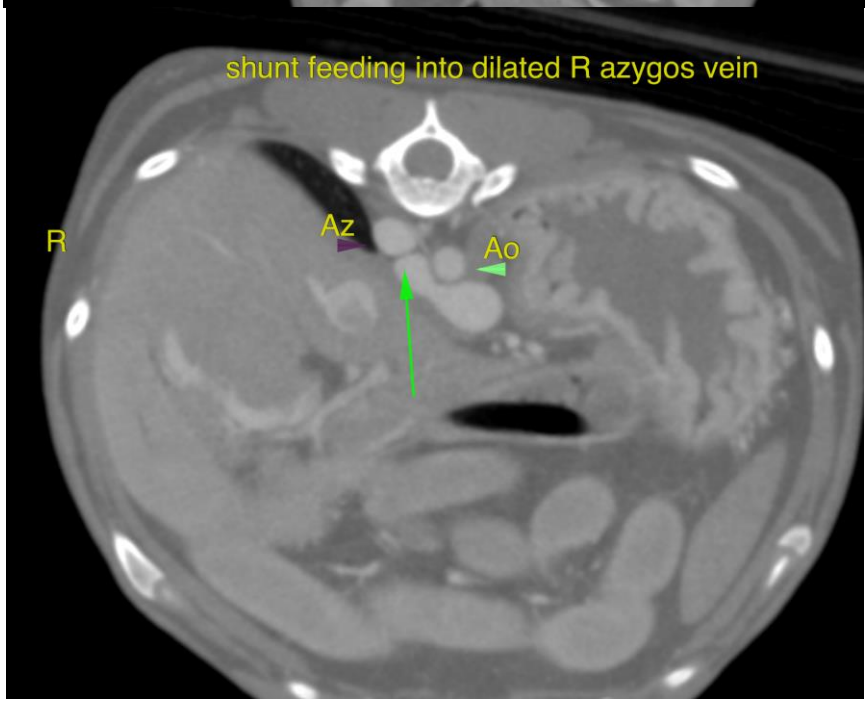

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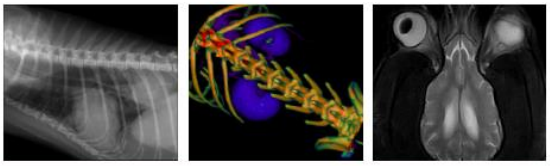

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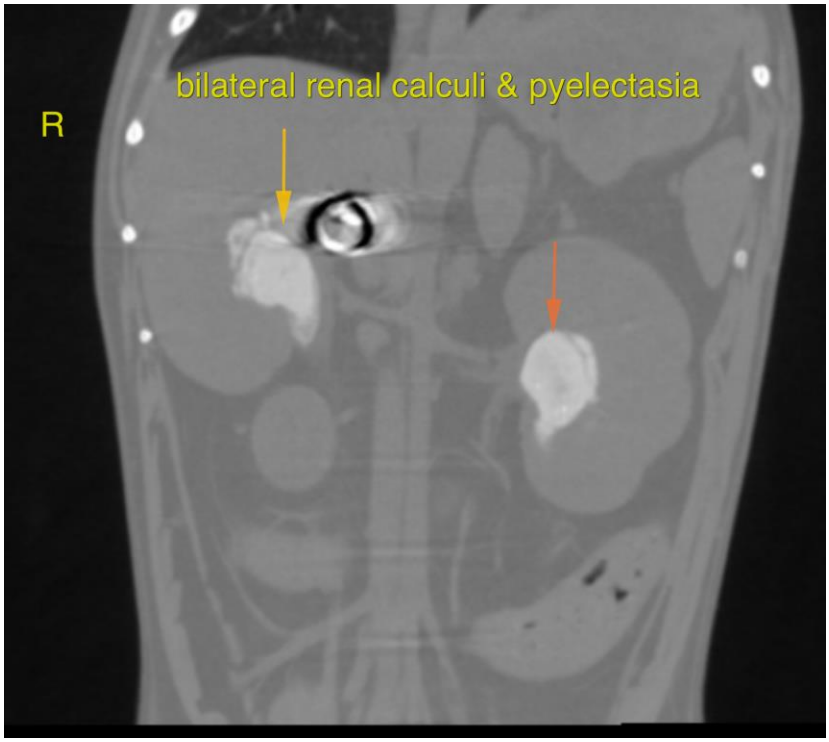

The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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