



PATIENT PRESENTING CLINICAL SIGNS

PATIENT Lexi Greenwell
SPECIES Pet has a history of liver shunt repaired elsewhere several years ago, doing well clinically. Recently in for orthopedic surgery consult, and on preop bloodwork the bile acids were significantly elevated. CT scan performed to look for acquired shunt(s) that may have developed since the original surgery.

CANINE Abnormal PE/Chem/CBC/UA Results: Bile acids (single sample, 3-4 hours post-prandial) 357.4 (0-14.9)

COMPUTED TOMOGRAPHIC STUDY OF THE ABDOMEN

BREED Plain and post contrast studies available for review.

YORKIE MIX **COMPUTED TOMOGRAPHIC FINDINGS**

SEX The patient has a history of attenuation of an extrahepatic portosystemic shunt.

FS An ameroid constrictor is seen level with the entrance of the portal vein. Streak artifacts emanate from the ameroid constrictor which limit the assessment of the vasculature in this area. However, the portal vein diameter is slightly reduced cranial to the attenuated shunt. The gastroduodenal vein junction presents within normal limits. Intrahepatic portal vein branching presents within normal limits as well. No additional extrahepatic portosystemic shunts are seen.

6 Years, 9 Months The liver is small in size. Occasional intrahepatic biliary duct dilation can be seen. The parenchymal attenuation is slightly heterogeneous.

INTERPRETED BY The gallbladder is distended. A large amount of partially mineralized material is seen within the gallbladder.

Nele Eley, DVM
 Dr. med. Vet. DipECVDI

A moderate amount of mineral attenuating material is seen in the slightly dilated renal pelvis of both kidneys. The renal surface is slightly irregular bilaterally.

HOSPITAL NAME **COMPUTED TOMOGRAPHIC DIAGNOSIS**

- History of extrahepatic portosystemic shunt attenuated by means of an ameroid constrictor.
- Microhepatica and hepatopathy with mild intrahepatic biliary duct dilation.
- Gallbladder microlithiasis versus emerging gallbladder mucocele.
- Bilateral hypercalcemic nephropathy with mild pyelectasia.

REFERRING VET **INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Dr. Burge The CT study does not reveal evidence of acquired extrahepatic portosystemic collaterals. The former splenic vein shunt appears to be closed successfully. Mild residual shunt fraction cannot be ruled out entirely.

INVOICE 59691
 The findings of the liver suggest potential for hepatopathy with intrahepatic biliary duct dilation such as fibrosis, chronic hepatitis, and primary biliary cirrhosis. Further definition by means of biopsy could be considered.

DATE 8-14-23
 The findings of the gallbladder suggest potential for emerging gallbladder mucocele versus cholecystitis and uncomplicated microlithiasis.



PATIENT

Lexi Greenwell

The renal mineral material may well represent ammonium urate. Partial obstruction of the renal pelvis appears to be present. Polyuric dilation of the renal pelvis is, however, a potential differential diagnosis. Full urinalysis could be considered as well as bloodwork in order to further assess the renal function.

SPECIES

Canine

BREED

Yorkie Mix

SEX

FS

AGE

6 Years, 9 Months

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

HOSPITAL NAME

Wilson Veterinary
Hospital

REFERRING VET

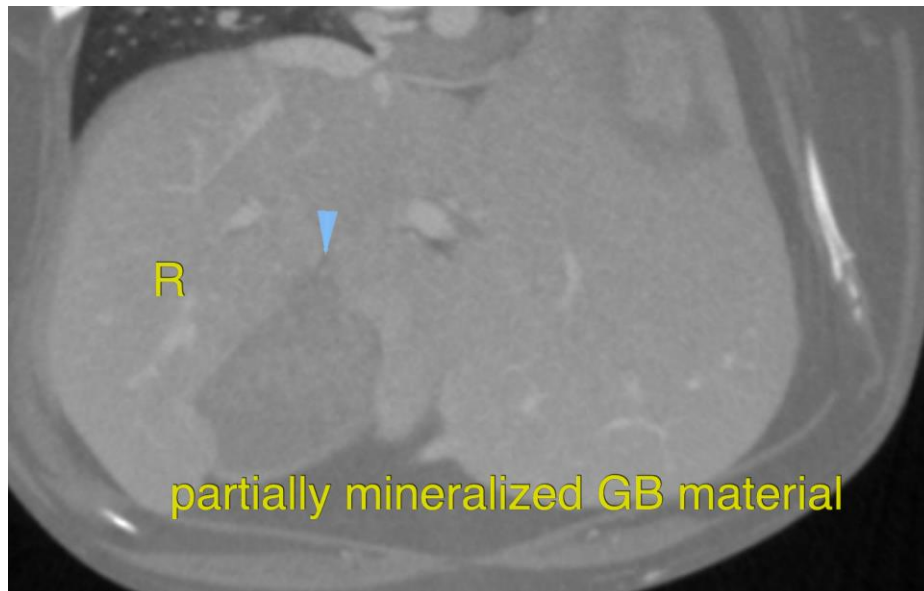
Dr. Burge

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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.

SPECIES

Canine

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
info@sonopath.com

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