



**PATIENT PRESENTING CLINICAL SIGNS**

Fancy Yoder Significant weight loss and loss of appetite. Pet was previously 20 pounds.

**COMPUTED TOMOGRAPHIC STUDY OF THE ABDOMEN & THORAX**

**SPECIES**  
Canine Plain and post contrast studies of the abdomen and post contrast study of the thorax available for review.

**COMPUTED TOMOGRAPHIC FINDINGS**

**BREED**  
Sheltie **Abdomen**  
Small subcutaneous soft tissue nodules are seen in the right lateral abdominal wall.

**SEX**  
FS Mild generalized enlargement of the gallbladder is seen. A large amount of randomly distributed mineral attenuating material is seen within the gallbladder along with gallbladder wall thickening, hyperattenuating non-contrast enhancing material which appears to adhere to the mineralizations or vice versa, and dilation of the cystic duct. The common bile duct is mildly dilated and measures 3mm in diameter. No evidence of mineral attenuating material within the common bile duct is seen. The intrahepatic biliary ducts are non-dilated.

**AGE**  
10 Years Moderate generalized enlargement of the liver with slightly rounded lobar margins and mild diffuse heterogeneous enhancement is seen.

**INTERPRETED BY**

Nele Eley (Ondreka),  
DVM Dr. med. vet.,  
DipECVDI

There is mild generalized enlargement of the pancreas with mild regional mesenteropathy.

The portal lymph nodes present within normal limits.

The nephrogram of both kidneys is slightly irregular. Mineral attenuating material is present within the renal diverticuli of the right kidney. There is no evidence of pyelectasia.

The spleen and adrenal glands present within normal limits.

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CFL

Occasional early spondyloses are seen.

**Thorax**

**REFERRING VET**

Borecky

The bony and surrounding soft tissue structures are within normal limits.

The sternal, cranial mediastinal and tracheobronchial lymph nodes are small elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern are uniform and considered within normal limits.

**INVOICE**

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The cardiovascular structures including the pulmonary vasculature are within normal limits.

The bronchial tree presents with regular branching and tapers uniformly towards the periphery as expected, the bronchial walls are thin and smooth. The bronchus-to-artery ratio is within normal limits.

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The lung parenchyma presents the expected architecture and attenuation behavior.



**PATIENT**

Fancy Yoder

Small incidental gas pockets are seen within the esophageal lumen, there is no evidence of abnormal dilation.

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

**SPECIES**

Canine

- Dilation of the gallbladder with non-attenuating and mineral attenuating material with gallbladder wall thickening and dilation of the cystic duct.
- Diffuse hepatopathy with mild hepatomegaly and diffuse heterogeneous contrast enhancement.

**BREED**

Sheltie

- Pancreatopathy with regional mesenteropathy.
- Chronic hypercalcemic nephropathy.

**INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS**

**SEX**

FS

Differential diagnosis for the gallbladder changes included mineralizing gallbladder mucocele, chronic mineralizing cholecystitis, and less likely mineralizing neoplasia and microlithiasis.

**AGE**

10 Years

Concurrent hepatopathy such as cholangiohepatitis, other hepatitis, and less likely metabolic, or endocrine hepatopathy. A diffuse neoplastic infiltrate cannot be ruled out entirely but is thought less likely.

Consider the presence of concurrent pancreatitis.

Renal staging should be considered.

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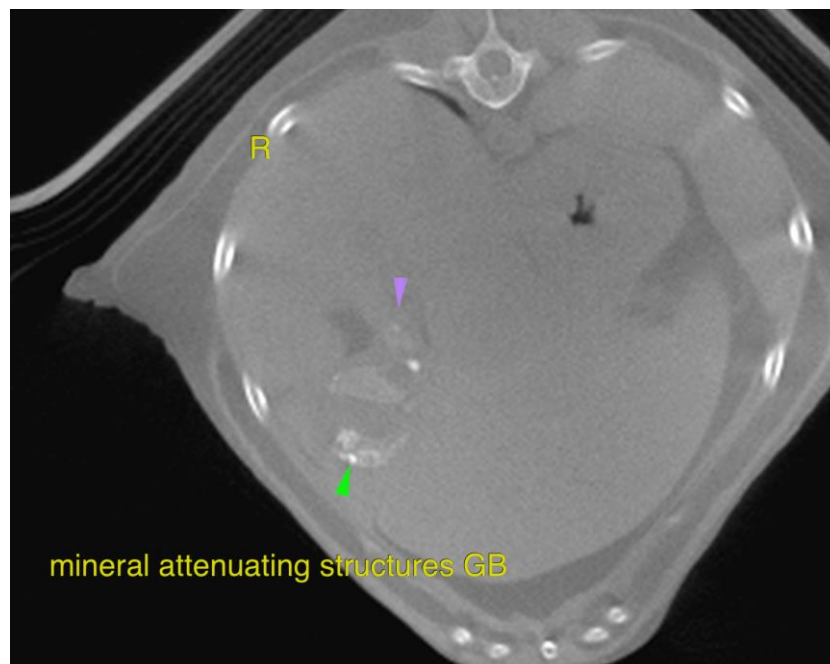
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**PATIENT**

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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.

**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**

Sheltie

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**SEX**

FS

**AGE**

10 Years

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Borecky

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