



**PATIENT**

Pip Guggenheim

**SPECIES**

Feline

**BREED**

Calico

**SEX**

Spayed female

**AGE**

8 years

**WEIGHT**

5.7 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. Sorbo

**HOSPITAL NAME**

Mill Brook Animal  
Clinic

**REFERRING VET**

Dr. Sorbo

**INVOICE**

40037

**DATE**

10/11/22

**PRESENTING CLINICAL SIGNS**

History: Fairly young adult, Weight loss, periuria, possibly hematuria. No v/d, eating okay. Abnormal PE/Chem/CBC/UA Results: Irregular palpation of the abdomen. PSL (Antech cPL) moderately elevated. BCS 3/9. Extreme caution on exam. Chest rads clear. tT4 2.5 (N to borderline per Antech), fT4ED 55 (H). R/O: bladder cancer, pancreatic lesions. Will start methimazole.

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The **urinary bladder** revealed a polypoid mass that was deriving from the apical ventral bladder wall. The mass was significantly vascular. Suspended debris was also noted in the bladder. Cystourethral junction and proximal urethra were unremarkable.

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. Renal mineralization was noted. The left and right kidney measured 3.0 cm. The changes in the right kidney are mild. The changes in the left kidney are moderate.

**Adrenal Glands**

The adrenal glands were visualized and normal in size, yet were mineralized.

**Spleen**

The **spleen** in this patient was uniform, yet volume contracted. Hydration status should be assessed.

**Liver**

The **liver** revealed increased portal markings with lobar biliary mineralization. The gallbladder and common bile duct were unremarkable. The common bile duct measured 0.3 cm in width.

**Gastrointestinal**

The **gastrointestinal tract** revealed minor variable thickening and echogenic submucosal changes most consistent with low grade end result of chronic GI disease such as IBD and may be related to malassimilation of nutrients if any weight loss is present. No obvious neoplastic patterns were noted and luminal content as unremarkable.



**PATIENT**

Pip Guggenheim

**SPECIES**

Feline

**BREED**

Calico

**SEX**

Spayed female

**AGE**

8 years

**WEIGHT**

5.7 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. Sorbo

**HOSPITAL NAME**

Mill Brook Animal  
Clinic

**REFERRING VET**

Dr. Sorbo

**INVOICE**

40037

**DATE**

10/11/22

**Pancreas**

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

**ULTRASONOGRAPHIC FINDINGS**

Chronic cholangitis/hepatic remodeling with dystrophic parenchymal mineralization, non-obstructive.

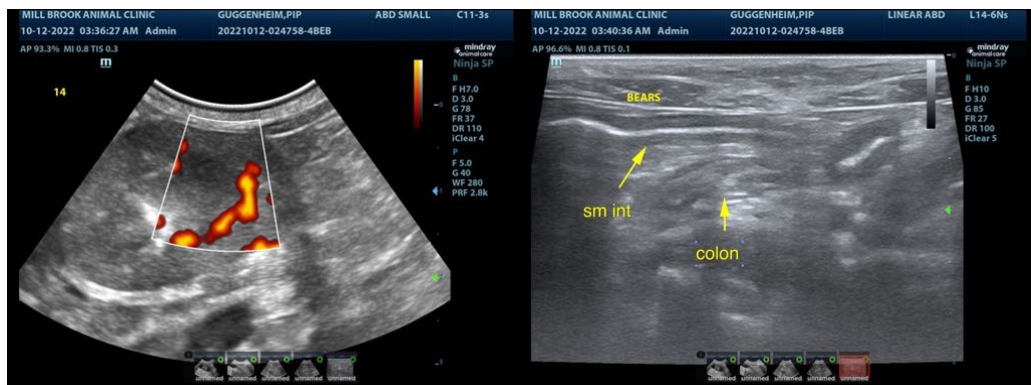
Bladder mass, appears resectable. Strong concern for transitional cell carcinoma, pronounced polypoid hyperplasia is possible.

Age related renal changes with mineralization.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Given the age of the patient there is a strong potential that the bladder mass may be benign polypoid hyperplasia; however, surgical intervention with resection of the apical ventral bladder wall is recommended. There was no evidence of metastatic disease. Liver biopsy can be considered at that time. There was no overt evidence of neoplasia noted. The weight loss is likely unrelated to the bladder lesion.

Maldigestion panel, three view chest radiographs and full CNS examination is recommended to examine for occult disease that could be responsible for the weight loss. Evaluation for competitive eating environments should also be considered.





**PATIENT**

Pip Guggenheim

**SPECIES**

Feline

**BREED**

Calico

**SEX**

Spayed female

**AGE**

8 years

**WEIGHT**

5.7 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. Sorbo

**HOSPITAL NAME**

Mill Brook Animal  
Clinic

**REFERRING VET**

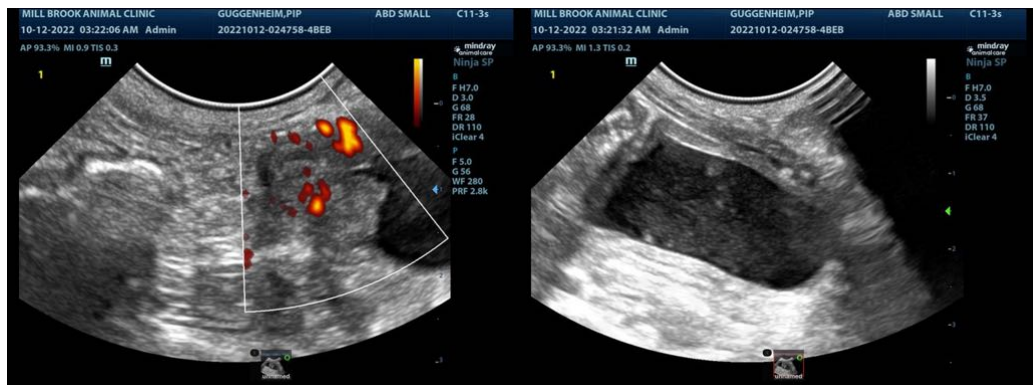
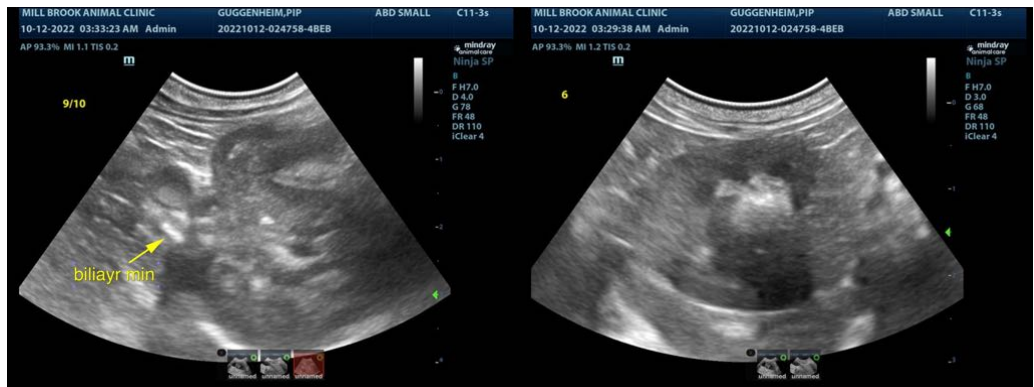
Dr. Sorbo

**INVOICE**

40037

**DATE**

10/11/22





**PATIENT**

Pip Guggenheim

**SPECIES**

Feline

**BREED**

Calico

**SEX**

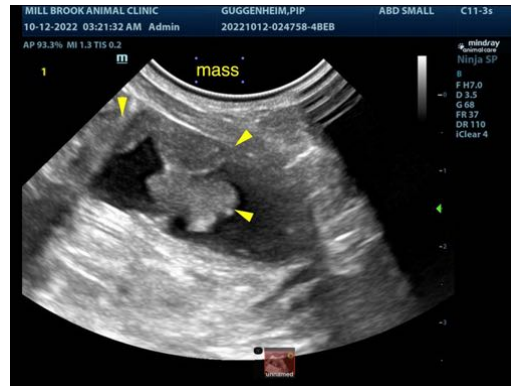
Spayed female

**AGE**

8 years

**WEIGHT**

5.7 lbs



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.

**Eric Lindquist**, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com  
info@SonoPath.com

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. Sorbo

**HOSPITAL NAME**

Mill Brook Animal  
Clinic

**REFERRING VET**

Dr. Sorbo

**INVOICE**

40037

**DATE**

10/11/22