



## PATIENT

Zelda Anton

## SPECIES

Feline

## BREED

DSH

## SEX

Spayed Female

## AGE

13 Years

## WEIGHT

6.1 kg

## INTERPRETED BY

Tam Mengine, DVM,  
DABVP (canine/feline  
practice)

## IMAGING PERFORMED BY

Dr. Sarah Barthelemy

## HOSPITAL NAME

Fish Creek Pet Hospital

## REFERRING VET

Dr. McKay

## INVOICE

74208

## DATE

4/5/26

## PRESENTING CLINICAL SIGNS

Hyporexia, lethargy and jaundice on presentation. Has started eating in hospital. Currently on IVF, ampicillin, metronidazole, denamarin, analgesia

Abnormal PE/Chem/CBC/UA Results: Elevations in ALT, ALP, GGT which are improving Non-regen anemia at 28% Mild neutrophilia and monocytosis

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

### Urinary System

The urinary bladder is moderately distended with anechoic urine, and no luminal sediment is present. The ureteral papillae, trigone and pelvic urethra (visible to 3.0 cm) are of normal appearance, and the ureters are not visible (normal). No masses, calculi or mucosal irregularities are noted.

The kidneys are of normal size and shape, with mildly irregular margins, but appropriate corticomedullary differentiation with a normal 1:3 cortex to medulla ratio. There is no evidence of nephrolithiasis, mineralization, pyelectasia, cystic change or hydronephrosis. The proximal ureter is not visible (normal). The kidneys measures 4.4 cm each.

### Adrenal Glands

The adrenal glands are both identified in their normal locations. They are normal in size and shape with appropriate parenchymal echogenicity and normal phrenic vasculature. Left measures 3.6 mm. Right measures 4.9 mm.

### Spleen

The spleen is diffusely thickened, measuring 1.1 cm at the hilus. The capsular margins are regular and the parenchyma is normal. The splenic vasculature is normal with no evidence of congestion or thrombosis, and blood flow through the splenic hilus appears normal.

### Liver

The liver is diffusely hyperechoic, subtly heterogeneous, and subjectively enlarged, with rounded margins. The portal and hepatic vasculature are of normal size and appearance with no evidence of congestion or thrombosis.

The gallbladder is moderately distended with anechoic contents. The wall is thickened to 1.7 mm without evidence of rupture. The cystic and common bile ducts are normal.

### Gastrointestinal

The stomach is moderately distended with ingesta. The gastric wall is 2.5 mm with normal deviations due to rugal folds, and exhibits appropriate wall layering. The pylorus is of normal appearance.

The visualized portions of the duodenum, jejunum, and ileum are of normal thickness with intact wall layering that exhibits the appropriate 1:3 muscularis to mucosa ratio. Intestinal motility appears normal. Duodenum wall measures 2.0 mm. Jejunum wall measures 2.4 mm.

The visible portions of the colon are of normal thickness (1.1 mm) with intact wall layering. The ileocecal junction is normal.



## PATIENT

Zelda Anton

## SPECIES

Feline

## BREED

DSH

## SEX

Spayed Female

## AGE

13 Years

## WEIGHT

6.1 kg

## INTERPRETED BY

Tam Mengine, DVM,  
DABVP (canine/feline  
practice)

## IMAGING PERFORMED BY

Dr. Sarah Barthelemy

## HOSPITAL NAME

Fish Creek Pet Hospital

## REFERRING VET

Dr. McKay

## INVOICE

74208

## DATE

4/5/26

## Pancreas

The pancreas is swollen and mottled, surrounded by hyperechoic mesenteric fat. The pancreatic ducts appear normal.

## Free Abdomen

There is focal free fluid present with the abdomen in the region of the liver and pancreas. The associated omentum and intra-abdominal fat are hyperechoic. Enlarged abdominal lymph nodes are not observed. The aortic trifurcation has normal blood flow with no evidence of thrombosis.

## PRIMARY FINDINGS

- Diffusely hyperechoic, heterogeneous and rounded liver with steatite - this could be seen with diffuse inflammatory disease (cholangiohepatitis), infiltrative neoplasia, and hepatic lipidosis
- Thickened gallbladder wall - typical of cholecystitis
- Hypoechoic mottled pancreas with steatitis - typical of pancreatitis
- Scant free fluid throughout the abdomen, consistent with peritonitis

## SECONDARY FINDINGS

- Borderline thickened spleen with normal parenchyma
- Mild chronic renal changes

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The concurrent changes in liver, gallbladder and pancreas would be a typical presentation for a cat with concurrent cholangiohepatitis and pancreatitis. Sampling of the liver and pancreas would be needed to rule out pathology such as infiltrative neoplasia, but this is deemed less likely. The minorly thickened spleen is likely normal for this large patient, or secondary to surrounding inflammation, but infiltrative neoplasia such as lymphoma cannot be completely excluded without sampling - if sampling is performed, a diphenhydramine premedication would be recommended.

Additional recommendations include:

- A complete GI panel or pancreatic-specific lipase level.
- Supportive care including fluid therapy, antiemetics, analgesics, appetite stimulants (if needed) and cobalamin supplementation are warranted.
- Continuing the current treatment for cholangiohepatitis, including Denamarin and ursodiol and broad-spectrum antibiotics.
- If sampling is not pursued, and the patient does not respond to initial empiric treatments, then prednisolone at 2-4 mg/kg/day could be considered.



**PATIENT**

Zelda Anton

**SPECIES**

Feline

**BREED**

DSH

**SEX**

Spayed Female

**AGE**

13 Years

**WEIGHT**

6.1 kg

**INTERPRETED BY**

Tam Mengine, DVM,  
DABVP (canine/feline  
practice)

**IMAGING  
PERFORMED BY**

Dr. Sarah Barthelemy

**HOSPITAL NAME**

Fish Creek Pet Hospital

**REFERRING VET**

Dr. McKay

**INVOICE**

74208

**DATE**

4/5/26



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.

Tam Mengine, DVM, DABVP (canine/feline practice)

info@SonoPath.com