



PATIENT PRESENTING CLINICAL SIGNS

Hank Francis

History: Weight loss, decreased appetite Moderate gingivitis, mild dental Tartar Blood pressure averages to 145/90 mmHg History of pancreatitis with DIC January of 2014, chronic active pancreatitis Abnormal PE/Chem/CBC/UA Results: Please see attached radiographs and labwork.

SPECIES

Feline

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

DSH

Urinary bladder is adequately distended. It has a normal uniform wall thickness. Contents include primarily anechoic fluid with occasional echogenic non-shadowing debris, most consistent with incidental suspended lipid in a cat, possibly combined with exfoliated cells, mucous and/or small blood clots. Both sterile inflammation as well as urinary tract infection can also present with echogenic debris. No masses or cystoliths are observed. The trigone and visible pelvic urethra are normal in thickness with a smooth mucosal surface.

SEX

Neutered Male

Left kidney is normal is size (3.55 cm), shape and echogenicity. It has smooth peripheral margination. There is a normal 1:3 cortex to medulla ratio with appropriate corticomedullary distinction. There is no evidence of pyelectasia, mineral or infarcts observed.

AGE

14 Years

Right kidney is normal is size (3.9 cm), shape and echogenicity. It has smooth peripheral margination. There is a normal 1:3 cortex to medulla ratio with appropriate corticomedullary distinction. There is no evidence of pyelectasia, mineral or infarcts observed.

WEIGHT

5.92 kg

Adrenal Glands

Left adrenal gland is normal in size (0.46 cm), shape and overall architecture, echogenicity and echotexture. Visible surrounding vasculature appears normal.

INTERPRETED BY

Beth Johnson, DVM
DACVIM

Right adrenal gland is normal in size (0.43 cm), shape and overall architecture, echogenicity and echotexture. Visible surrounding vasculature appears normal.

IMAGING PERFORMED BY

Crystal Hill

Spleen

Spleen is subjectively large in size with subtly scalloped or undulating capsular contour. Parenchyma is normal in echogenicity with a mildly coarse/heterogenous echotexture. No focal nodules or masses are observed. Splenic vasculature appears normal.

HOSPITAL NAME

Simcoe AH

Liver

Liver is subjectively normal in size with normal smooth curvilinear peripheral contour. Parenchyma is appropriately hypoechoic to the spleen in echogenicity and appropriately mildly coarse and homogenous in echotexture. An irregular 3.5 cm x 5.5 cm primarily homogeneous hypoechoic mass was noted in the mid caudal liver. Visible vasculature and biliary tree appear normal without distension or congestion.

REFERRING VET

Dr. Kennedy

INVOICE

17578

Gastrointestinal

Gallbladder is non-distended in size. The wall is smooth without visible thickening. Luminal contents are primarily anechoic. There is no evidence of cystic or common bile duct dilation.

DATE

10/3/22

The visible stomach wall is normal in thickness and layering. The lumen of the stomach is empty with no evidence of obstruction, foreign material or infiltrative disease. Pyloric outflow tract appears patent.



PATIENT

Hank Francis

The visible small intestine demonstrates areas of thick muscularis layer relative to mucosa (disruption of the normal 1:3 muscularis:mucosa ratio). Small intestinal submucosa is slightly irregular, thick and hyperechoic, without evident loss of layering appreciated. The lumen of the small intestine is empty with no evidence of obstruction or foreign material.

SPECIES

Feline

The visible colon is normal in wall thickness and layering. Contents are consistent with normal formed feces and gas.

Pancreas

BREED

DSH

The observed pancreas appears appropriately isoechoic to surrounding omental fat. Visible capsule is smooth and normal in contour. Visible pancreatic parenchyma is homogenous and unremarkable. There is no visible pancreatic duct dilation. There is no evidence of active peripancreatic inflammation.

SEX

Neutered Male

Free Abdomen

There is no evidence of peritoneal effusion. There is no apparent lymphadenopathy.

ULTRASONOGRAPHIC FINDINGS

AGE

14 Years

Primary Findings

- A homogeneous hypoechoic liver mass is concerning for infiltrative malignant neoplasia, primarily round cell neoplasia, such as possibly lymphoma. Other infiltrative disease is also possible and cannot be differentiated without tissue sampling.

WEIGHT

5.92 kg

- Scalloped spleen – can be associated with benign or malignant infiltrative disease. Common causes include a reactive spleen secondary to immune stimulus or early infiltrative round cell neoplasia such as lymphoma or mast cell tumor.

INTERPRETED BY

Beth Johnson, DVM
DACVIM

- Inflammatory bowel disease (IBD) pattern – Thick muscularis has been reported with infiltrative bowel disease including both benign inflammatory disease as well as infiltrative neoplasia such as lymphoma. No aggressive lymphadenopathy, loss of layering, etc. is noted to make lymphoma more probable, but lymphoma cannot be definitively ruled out without tissue sampling.

IMAGING PERFORMED BY

Crystal Hill

Secondary Findings

- Urinary bladder debris

HOSPITAL NAME

Simcoe AH

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

REFERRING VET

Dr. Kennedy

A fine needle aspirate of the liver mass, as well as the spleen is recommended, if patient coagulation status is appropriate. If a cytologic diagnosis is not obtained, then an exploratory laparotomy for a planned excisional biopsy of the liver mass and biopsies of the bowel may be necessary to definitively diagnose and therefore manage this infiltrative disease.

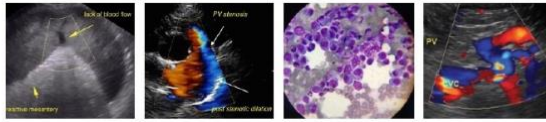
INVOICE

17578

Additionally, a gastrointestinal malabsorption panel (including cobalamin, folate, TLI and PLI) to Texas A&M GI Laboratory is recommended for further evaluation of GI and pancreatic function.

DATE

10/3/22



PATIENT

Hank Francis

SPECIES

Feline

BREED

DSH

SEX

Neutered Male

AGE

14 Years

WEIGHT

5.92 kg

INTERPRETED BY

Beth Johnson, DVM
DACVIM

**IMAGING
PERFORMED BY**

Crystal Hill

HOSPITAL NAME

Simcoe AH

REFERRING VET

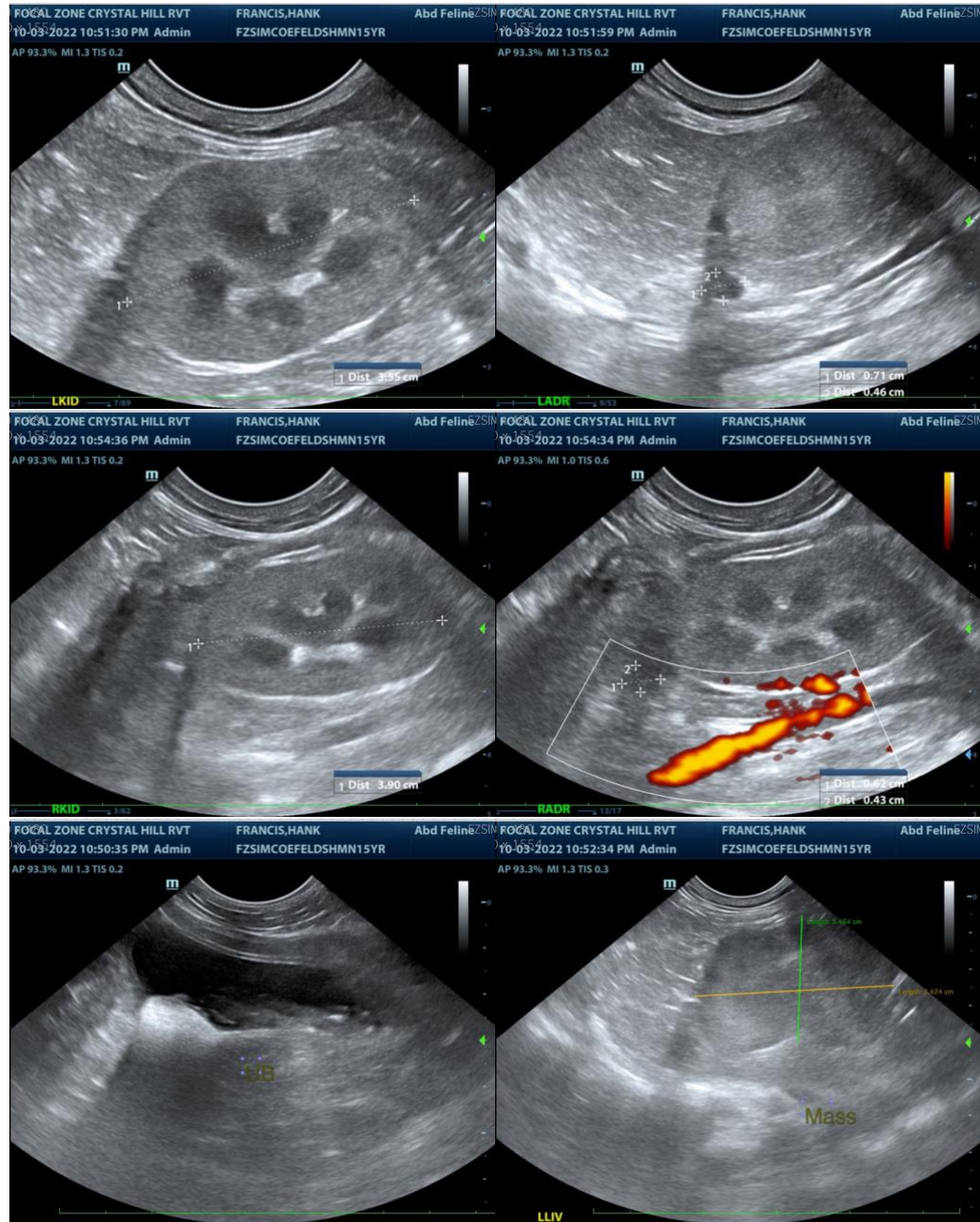
Dr. Kennedy

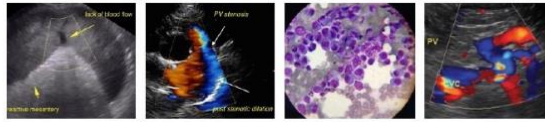
INVOICE

17578

DATE

10/3/22





PATIENT

Hank Francis

SPECIES

Feline

BREED

DSH

SEX

Neutered Male

AGE

14 Years

WEIGHT

5.92 kg

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Crystal Hill

HOSPITAL NAME

Simcoe AH

REFERRING VET

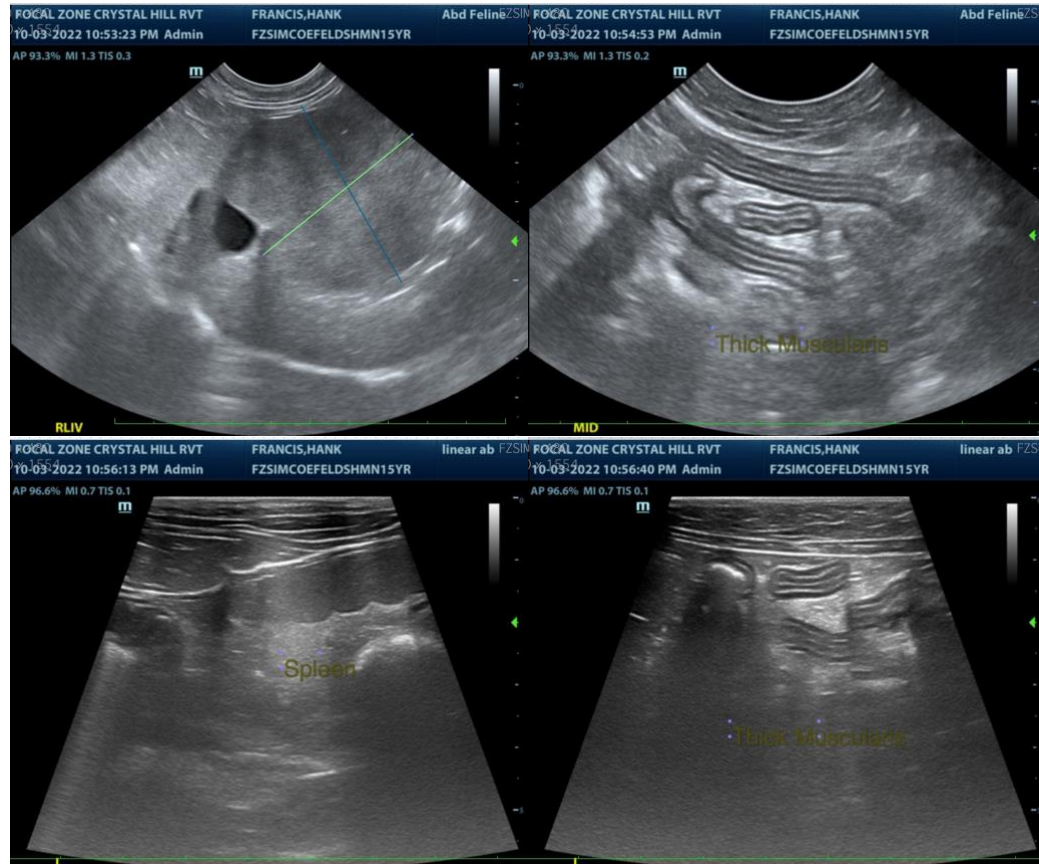
Dr. Kennedy

INVOICE

17578

DATE

10/3/22



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.

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.

Beth Johnson, DVM DACVIM

Beth.Johnson@SonoPath.com