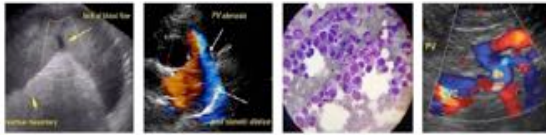


PATIENT	PRESENTING CLINICAL SIGNS
Kit Jakob	History: elevated liver enzymes, requires anesthesia for dental procedure
SPECIES	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Feline	Urinary System
BREED	The urinary bladder is not very well distended with anechoic contents. The wall is smooth and regular. No abnormalities are noted with the trigone, however, the proximal urethra is not visualized. There is no evidence of sediment, cystoliths, polyps or a mass.
Domestic Shorthair	
SEX	Kidneys
Spayed Female	The left kidney measures 3.48 cm (3.80-4.40 cm). The kidney is mildly decreased in size. The capsule is smooth. The cortex is mildly hyperechoic. A very mild loss of the normal definition of the cortico-medullary junction is present. There is no evidence of nephroliths or pyelectasia. The surrounding mesentery is not hyperechoic.
AGE	
9 years	The right kidney measures 3.75 cm (3.80-4.40 cm). The normal definition of the cortico-medullary junction is preserved. There is no evidence of nephroliths or pyelectasia. The surrounding mesentery is not hyperechoic.
WEIGHT	Aortic bifurcation/trifurcation
9.6 lbs	No abnormalities observed.
INTERPRETED BY	
Lisa Carioto, DVM, DVSc, Diplomate ACVIM	Adrenal Glands
IMAGING PERFORMED BY	The left adrenal gland measures 0.33 cm in diameter. No abnormalities are noted with the gland's overall architecture, echogenicity or echotexture. The phrenico-abdominal vein and surrounding vasculature and mesentery are unremarkable.
Kelly Reshny, RVT	The right adrenal gland measures 0.33 cm in diameter. No abnormalities are noted with the gland's overall architecture, echogenicity or echotexture. The phrenico-abdominal vein and surrounding vasculature and mesentery are unremarkable.
HOSPITAL NAME	
Tilsonburg VC	Spleen
REFERRING VET	The spleen is within normal limits in size 8.1 mm (normal = 10 mm), echotexture, and echogenicity. The capsule is smooth. No abnormalities are observed with its vasculature, i.e. congestion and thrombi are not identified.
Dr. Reed	
INVOICE	Liver
99935	There are no obvious signs of hepatomegaly and its borders are smooth and sharp. The liver's echotexture is homogeneous. It is within normal limits in echogenicity to very mildly hyperechoic, i.e. it
DATE	
4/26/22	



PATIENT

Kit Jakob

is almost isoechoic to the falciform fat in certain views. No abnormalities are observed with the hepatic vessels visualized.

SPECIES

Feline

The gallbladder wall is within normal limits in thickness and echogenicity. There is no evidence of echogenic material within the GB or edema surrounding it. The portions of the cystic and/or common bile ducts observed are not dilated or tortuous, i.e. there are no signs of an obstruction.

BREED

Domestic Shorthair

Gastrointestinal

A small amount of gas is present in the lumen of the stomach. The gastric wall is within normal limits in thickness and the wall layers are well defined. No obvious abnormalities are observed with its peristalsis.

SEX

Spayed Female

The small intestinal wall thickness, including the duodenum, is within normal limits, although some loops are at the high end of the normal reference range (0.25 cm). The definition of the wall layers is preserved. Subjectively, the submucosa is mildly more prominent than normal. Abnormally dilated loops of bowel are not observed.

AGE

9 years

The colonic wall is not thickened and mural detail is considered normal.

There are no obvious signs of a mass, foreign body, infiltrative disease or an obstruction in the gastrointestinal tract.

WEIGHT

9.6 lbs

Pancreas

No overt abnormalities are observed with the echogenicity or echotexture of the **left** limb. There is no evidence of hyperechogenicity of the surrounding mesentery, i.e., signs of active pancreatitis are not present.

The **right** limb is homogeneous. The surrounding mesentery is not hyperechoic. There are no obvious signs of pancreatitis or neoplasia.

INTERPRETED BY

Lisa Carioto, DVM,
DVSc, Diplomate
ACVIM

IMAGING PERFORMED BY

Kelly Reshny, RVT

Other

Lymph nodes No abnormalities are observed

HOSPITAL NAME

Tilsonburg VC

Abdominal effusion is not visualized.

REFERRING VET

Dr. Reed

ULTRASONOGRAPHIC FINDINGS

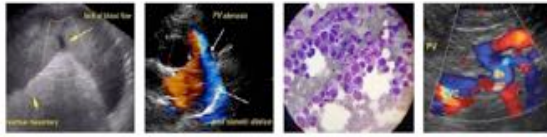
- The kidneys are mildly decreased in size, however, there are no obvious abnormalities in their architecture. The mild decrease in size may be normal for Kit.
- The liver enzymes affected and the severity of elevation are not indicated in the history. The liver is not enlarged, but is very mildly hyperechoic. Despite the absence of obvious abnormalities, certain disease processes cannot be excluded, for example, cholestasis, cholangitis/cholangiohepatitis and cholecystitis.

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DATE

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PATIENT

Kit Jakob

- Subjectively, the submucosa is mildly prominent, however, no other abnormalities are observed. This may not be clinically significant, yet some individuals with inflammatory bowel disease may develop an elevated ALT enzyme activity.

SPECIES

Feline

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Depending on which liver enzyme activities are elevated, the severity of elevation and the severity of Kit's dental disease, one could perform the dentistry and re-assess liver enzyme activities, including a GGT 4 to 6 weeks after the procedure. A fine needle aspirate could also be performed during the general anesthesia prior to performing the dentistry (i.e. bacterial dissemination).

BREED

Domestic Shorthair

Liver enzymes should be performed while fasted.

SEX

Spayed Female

A serum thyroxin concentration may also cause elevated liver enzyme activities.

Cholestasis, cholangitis/cholangiohepatitis, and cholecystitis cannot be excluded despite the absence of abnormalities with the liver, gallbladder and bile ducts. Secondary ascending bacterial infections may also occur.

AGE

9 years

A FNA of the liver may be pursued. A coagulation profile is suggested prior to performing a FNA. Administration of vitamin K (0.5 mg/kg SQ q8-12h for 1-3 doses) is suggested even if the results of the PT/PTT are within normal limits.

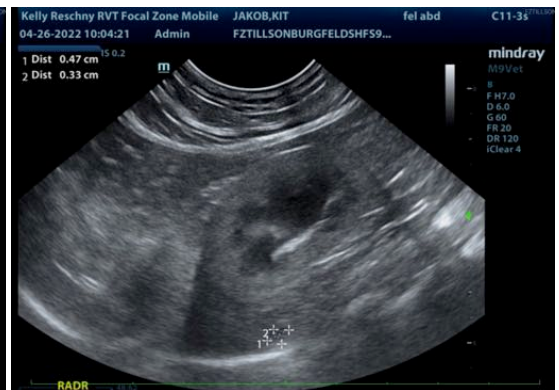
WEIGHT

9.6 lbs

Although indiscriminate use of antibiotics is not recommended, one could start treatment with a broad-spectrum antibiotic and reassess liver enzyme activities, including a GGT, in a few weeks.

INTERPRETED BY

Lisa Carioto, DVM,
DVSc, Diplomate
ACVIM

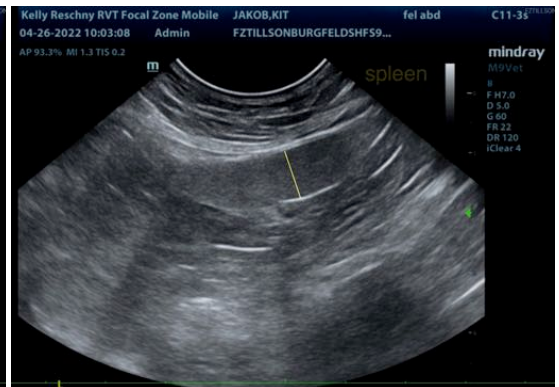
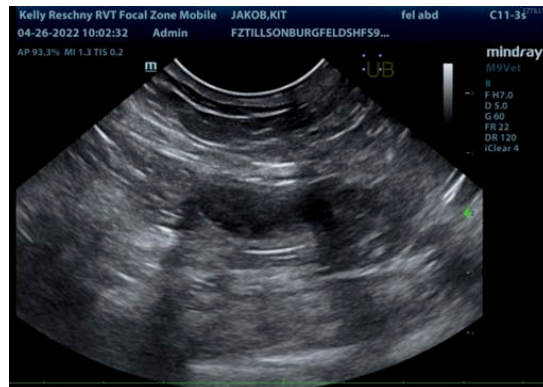


IMAGING PERFORMED BY

Kelly Reshny, RVT

HOSPITAL NAME

Tilsonburg VC



REFERRING VET

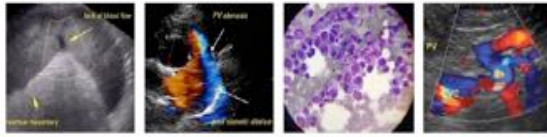
Dr. Reed

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PATIENT

Kit Jakob

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Spayed Female

AGE

9 years

WEIGHT

9.6 lbs

INTERPRETED BY

Lisa Carioto, DVM,
DVSc, Diplomate
ACVIM

**IMAGING
PERFORMED BY**

Kelly Reshny, RVT

HOSPITAL NAME

Tilsonburg VC

REFERRING VET

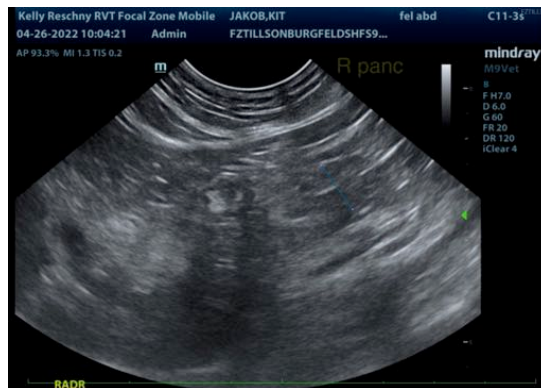
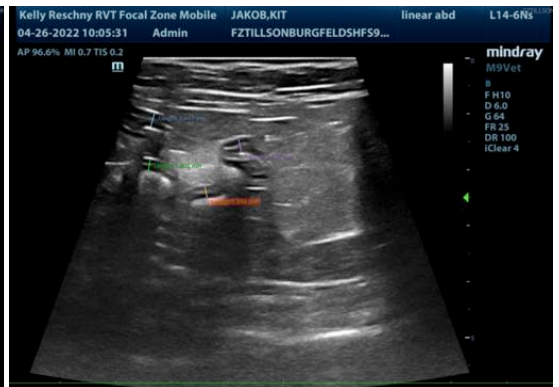
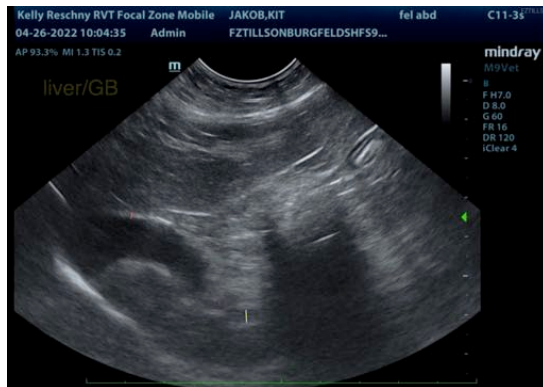
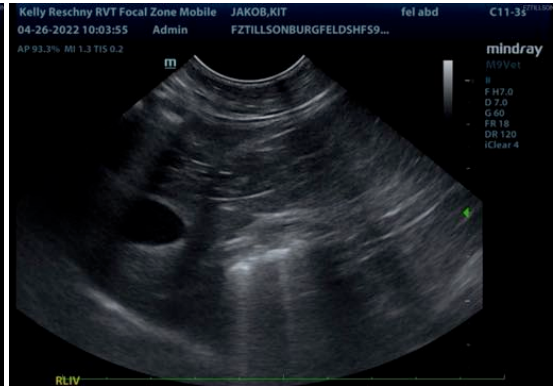
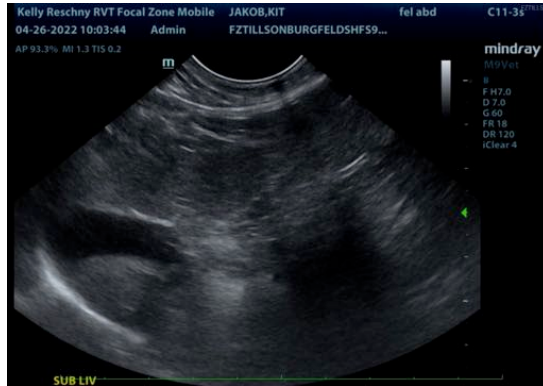
Dr. Reed

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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.

Lisa Carioto, DVM, DVSc, Diplomate ACVIM

Lisa.Carioto@sonopath.com