



PATIENT PRESENTING CLINICAL SIGNS

Kobe Ryan Hematuria. Prev. Hx PU sx.

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Feline Urinary System

The urinary bladder is moderately distended with anechoic urine. The Bladder wall, trigone, ureteral papillae and visible urethra (to a depth of 2cm) appear normal with no evidence of wall thickening, mucosal irregularities, or masses. There is a focal hyperechoic shadowing structure measuring approximately 0.33 cm, which is most consistent with a focal calculus in the dependent portion of the urinary bladder.

BREED

Maine Coon X

SEX

Neutered Male

The left kidney has a normal shape and size (3.51 cm). Overall echogenicity is normal with adequate corticomedullary distinction and a typical 1:3 cortex:medulla ratio. There is no evidence of perinephric inflammation or effusion. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

AGE

6 Years 7 Months

The right kidney has a normal shape and size (3.71 cm). Overall echogenicity is normal with adequate corticomedullary distinction and a typical 1:3 cortex:medulla ratio. There is no evidence of perinephric inflammation or effusion. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

WEIGHT

No Provided

Adrenal Glands

The left adrenal gland is normal in size measuring 0.37 cm at the caudal pole. It is observed in its normal position cranial to the left renal artery. It is normal in appearance (uniformly hypoechoic) and shape with no evidence of a mass effect.

INTERPRETED BY

Kathleen Sennello DVM,
MS, Diplomate ACVIM
(Small Animal Internal
Medicine)

The right adrenal gland is normal in size measuring 0.57 cm at the caudal pole. It is observed in its normal position between the cranial aspect of the right kidney and the caudal vena cava. It is normal in appearance (uniformly hypoechoic) and shape with no evidence of a mass effect.

Spleen

The spleen is subjectively normal in size (0.66 cm in height at the level of the hilus), echotexture is homogenous, and the splenic capsule is smooth with no irregularities. The blood flow through the hilus and splenic parenchyma appears normal. No focal parenchymal abnormalities are visualized.

IMAGING PERFORMED BY

Shari Reffi, CVT

Liver

The liver is subjectively normal in size, and echogenicity with smooth peripheral margins. The parenchyma is homogenous echotexture. The visible portions of the vasculature and biliary tract appear normal. No focal nodules or cystic lesions are observed.

HOSPITAL NAME

Bergen Passaic AH

REFERRING VET

Dr. Spitz

The gallbladder lumen is moderately distended. The wall of the gall bladder is not thickened and has a smooth mucosal surface. Luminal contents are primarily anechoic. The cystic and common bile ducts are normal/not visible.

INVOICE

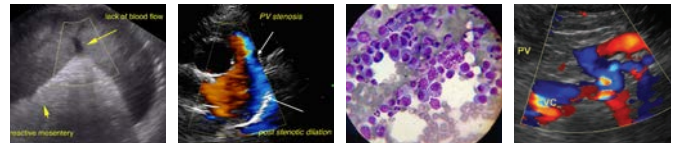
40362

Gastrointestinal

The stomach contains minimal luminal contents. It measures at a normal thickness of <0.36cm with some variability due to the presence of rugal folds. The distinction of the gastric wall layers is adequate and there is no impression of reduced peristaltic activity. No masses or focal lesions were observed.

DATE

8/11/22



PATIENT

Kobe Ryan

The visualized areas of duodenum, jejunum and ileum have a relatively uniform diameter with minimal fluid distension. Wall thickness is normal. Bowel loops follow a curvilinear path with distinct wall layering maintaining the typical 1:3 muscularis:mucosa layer ratio. The duodenum measured as normal (between 0.13-0.38cm in wall thickness) and the jejunum measured as normal (between 0.15-0.36cm.) Visualized peristalsis appears appropriate. There were no focal lesions consistent with obstruction or a mass effect observed.

SPECIES

Feline

The ileocecal junction was visualized and exhibited normal intact wall layering and is subjectively of normal thickness. Sections of colon are visualized with formed fecal material and gas shadowing distally. There is no observed focal or generalized colon wall thickening or loss of layering.

BREED

Maine Coon X

Pancreas

The pancreas is normal and isoechoic to surrounding mesentery. There is no evidence of nodules or cystic lesions. There is no evidence of regional mesenteric inflammation or fluid.

SEX

Neutered Male

Free Abdomen

Evaluation of the peritoneal cavity did not reveal any evidence of effusion, or subjective lymphadenomegaly. The Medial iliac nodes appear normal and there was no evidence of a caudal aortic thrombus at the bifurcation. The omentum is of normal uniform echogenicity.

AGE

6 Years 7 Months

ULTRASONOGRAPHIC FINDINGS

WEIGHT

No Provided

- Shadowing hyperechoic focus in the dependent portion of the urinary bladder – most consistent with a bladder stone. Correlate with abdominal radiographs, urinalysis and culture.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INTERPRETED BY

Kathleen Sennello DVM,
MS, Diplomate ACVIM
(Small Animal Internal
Medicine)

There appears to be a focal stone in the dependent portion of the urinary bladder, measuring approximately 0.33 cm. Correlate the number of stones present and the size of the stones with radiographs, as ultrasound can sometimes misinterpret clumps of stones, and measurements are less accurate. As a rule of thumb, you could consider the possibility of voiding hydropulsion in female cats with stones <5.0 mm, and in male cats with stones <1.0 mm. I suspect you could go larger than that in a male cat with a perineal urethrostomy, but I would worry that this size of a stone is at risk for obstruction (very borderline in size).

IMAGING PERFORMED BY

Shari Reffi, CVT

If there is an infection present on culture, this could be a struvite stone, and you could consider dissolution with hopes that it will pass, but if no infection is present it is likely oxalate, and surgery may be necessary. I strongly recommend you confirm the presence of the stone preoperatively to make sure it did not pass on its own.

HOSPITAL NAME

Bergen Passaic AH

REFERRING VET

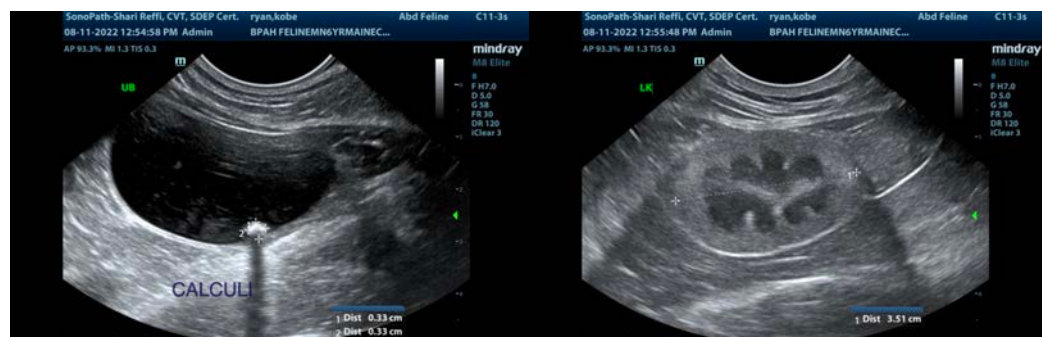
Dr. Spitz

INVOICE

40362

DATE

8/11/22





PATIENT

Kobe Ryan

SPECIES

Feline

BREED

Maine Coon X

SEX

Neutered Male

AGE

6 Years 7 Months

WEIGHT

No Provided

INTERPRETED BY

Kathleen Sennello DVM,
MS, Diplomate ACVIM
(Small Animal Internal
Medicine)

**IMAGING
PERFORMED BY**

Shari Reffi, CVT

HOSPITAL NAME

Bergen Passaic AH

REFERRING VET

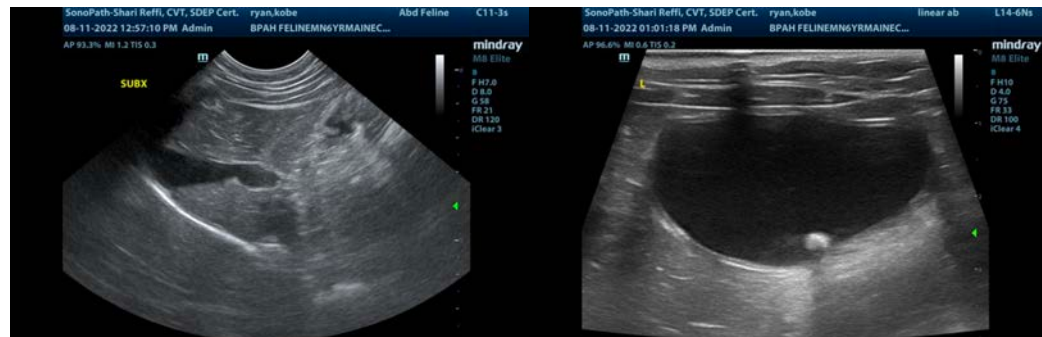
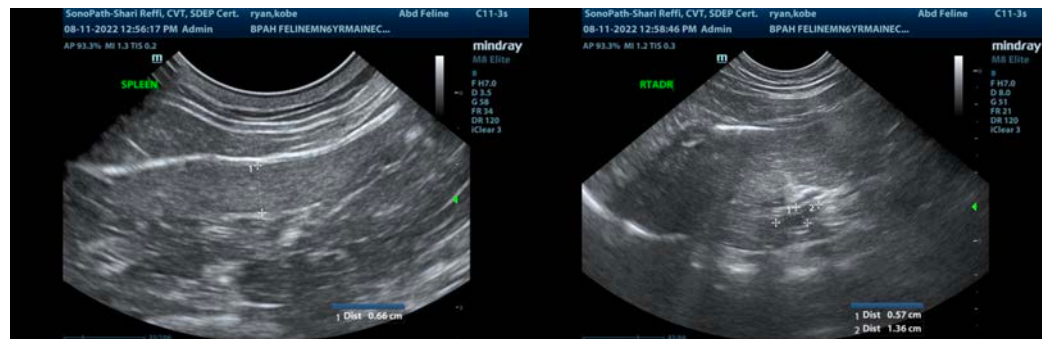
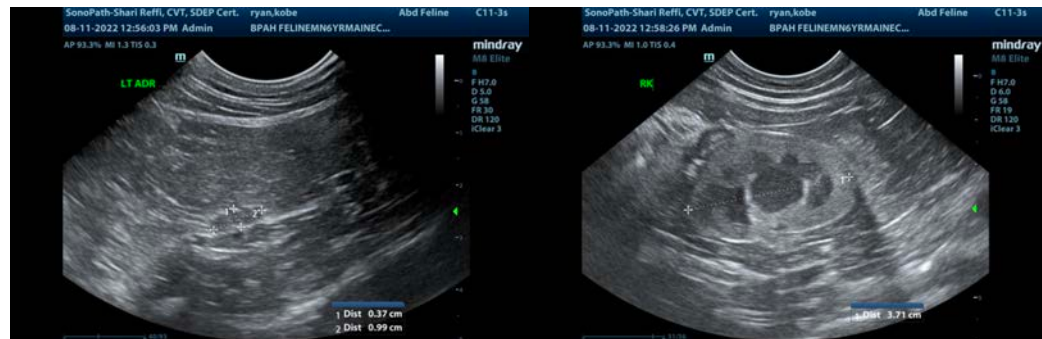
Dr. Spitz

INVOICE

40362

DATE

8/11/22



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.

Kathleen Sennello DVM,MS, Diplomate ACVIM (Small animal Internal Medicine)

kathleen.sennello@sonopath.com