



PATIENT

Lady McKenzie

PRESENTING CLINICAL SIGNS

History: Weight loss anorexic and anorexia. Patient has had a bloody vaginal discharge
Abnormal PE/Chem/CBC/UA Results: Non pending

SPECIES

Feline

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Ragdoll

The urinary bladder, trigone and cystourethral junction exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted. The proximal urethra was indistinctly visualized.

SEX

Spayed Female

Mild irregular non-homogenous mass lesion was present in the area of the uterine remnant dorsal to the area of the caudal urinary bladder and cystourethral junction and ventral to the distal colon and colorectum, measuring 1.6 cm in diameter. The mass lesion in the area of the uterine remnant exhibited mild vascularity on color doppler.

AGE

17 Years

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 3.1 cm in length. The right kidney measured 3.7 cm in length.

WEIGHT

2.1 kg

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.33 cm.

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.27 cm.

IMAGING PERFORMED BY

Dr. Belan

Spleen

The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present without evidence of nodular changes. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. The parenchymal heterogeneity is likely consistent with benign changes such as extramedullary hematopoiesis or age-related remodeling with minor potential for inflammatory or neoplastic disease.

HOSPITAL NAME

Britannia Kingsland VC

REFERRING VET

Dr. Hamill

Liver

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. The hepatic and portal vasculature were normal in appearance without signs of congestion.

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The gallbladder was non-distended in size with primarily anechoic content and echogenic, nonorganized luminal debris. No evidence of gallbladder or peripheral gallbladder inflammation. The common bile duct was mildly dilated and tortuous, not overtly consistent with post hepatic obstructive criteria given the normal size.

DATE

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Gastrointestinal

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The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.

SPECIES

Feline

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material.

Normal visible colon wall layers were present with apparent formed feces in lumen.

BREED

Ragdoll

Pancreas

SEX

Spayed Female

The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia. Mild pancreatic duct dilation was present in the left pancreatic limb. Asymmetrical non-homogenous mass was present in the area of the subjective pancreas base or potential proximal left pancreatic limb, exhibiting areas of pinpoint mineralization. The mass in the area of the pancreas base measured approximately 2.4 cm in diameter.

AGE

17 Years

Free Abdomen

Intermittent small pockets of scant peritoneal free fluid were noted. No evidence of significant lymphadenopathy was noted. No omental masses noted.

WEIGHT

2.1 kg

ULTRASONOGRAPHIC FINDINGS

- Pinpoint mineralized non-homogenous pancreatic mass in the area of the pancreatic base with suspect generalized chronic pancreatitis pattern
- Suspect uterine remnant mass lesion- uterine granuloma, primary concern for possible uterine remnant neoplasia. Less likely potential for colonic or urinary bladder/urethral origin.
- Bilateral chronic renal changes
- Hepatic parenchymal remodeling with minor gallbladder debris
- Intermittent small pockets of scant peritoneal free fluid

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

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Given the presence of pinpoint mineralization associated with the mass in the area of the pancreas base, pancreatic neoplasia is considered likely. Assuming normal clotting status, ultrasound guided FNA cytology of the pancreatic mass +/- mass in the area of the uterine remnant could be considered for further assessment. Spec FPL +/- cobalamin and folate levels to rule out occult intestinal disease as a contributing factor to the patients weight loss and gastrointestinal signs could be considered. Three view chest radiographs are suggested.

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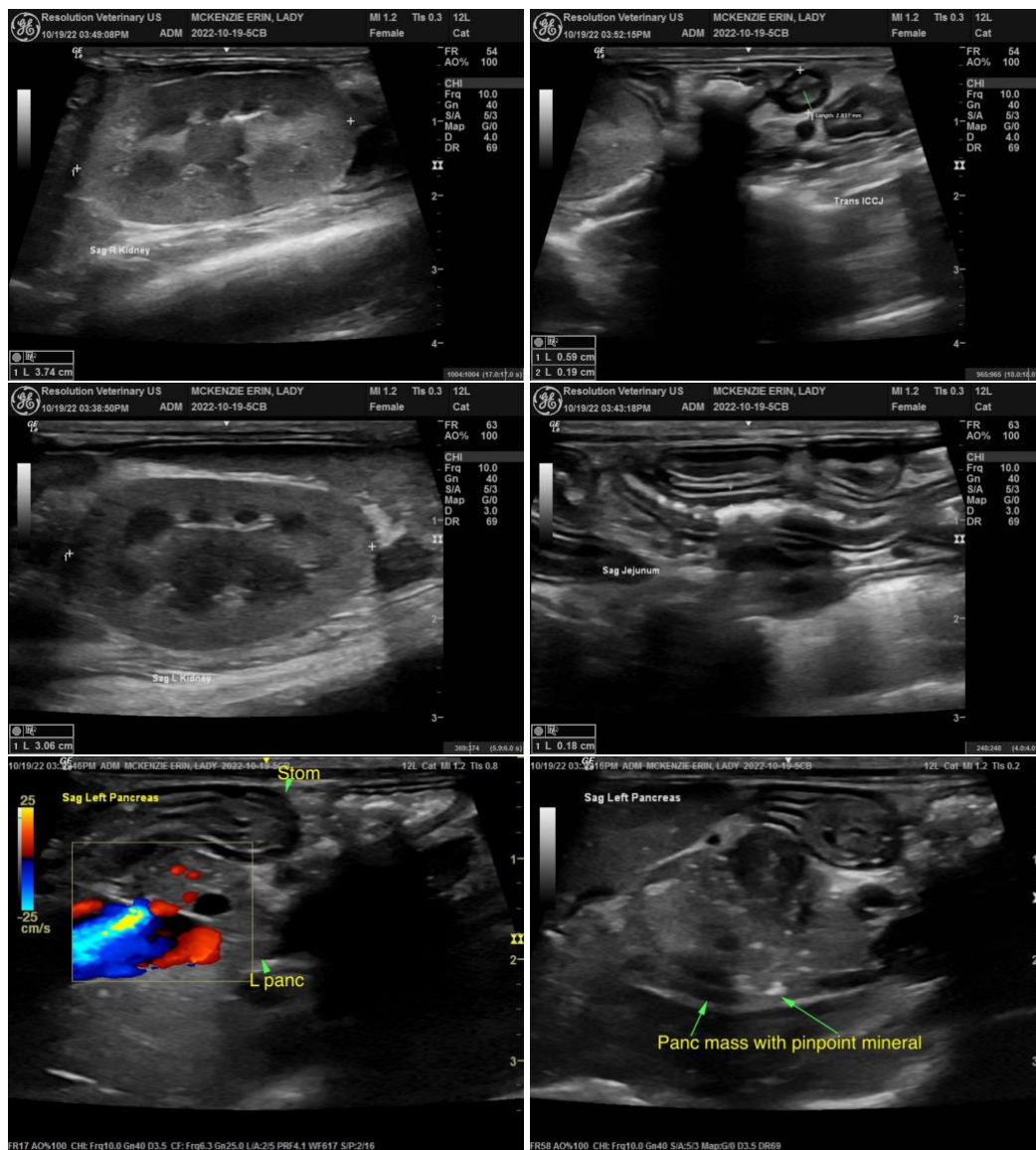
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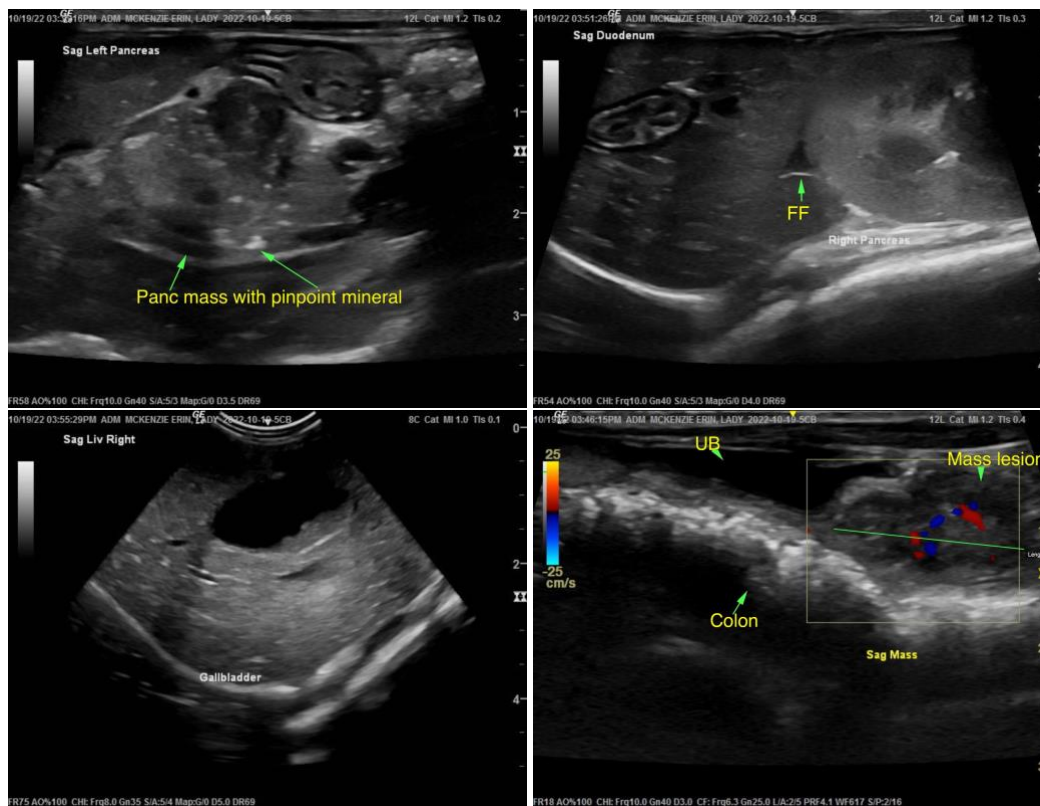
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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