



PATIENT

Holly Juliano

PRESENTING CLINICAL SIGNS

History: vomiting, decreased appetite, wt loss, possible abd mass noted on rads.
Abnormal PE/Chem/CBC/UA Results: incr ALT, ALKP and bilirubin; elevated T4
Radiographs revealed irregular renal contour.

SPECIES

Feline

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.

BREED

Domestic Shorthair

SEX

Spayed Female

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. The left kidney revealed a hyperechoic, medullary rim sign with cortical infarcts. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The left kidney measured 3.32 cm. The right kidney measured 3.06 cm with irregular contour. Blood flow to the kidneys appeared to be adequate except in the regions of infarcts.

AGE

13 years

WEIGHT

9.1 lbs

Adrenal Glands

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The right adrenal gland measured 0.54 cm. The left adrenal gland measured 0.4 cm.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Diane McFadden, RVT

HOSPITAL NAME

Wantage VH

Spleen

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes was noted.

INVOICE

96652

Liver

The **liver** was mildly hyperechoic to the falciform fat. The gallbladder and common bile duct were unremarkable.

DATE

3/8/22

Gastrointestinal

The upper **gastrointestinal tract** was unremarkable, yet the distal small intestine was slightly thickened. A mesenteric lymph node mass was noted. A grouping of the lymph nodes measured 3.0 x 2.5 cm and was comprised of a cluster of lymph nodes. Regional inflammation was noted.



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Pancreas

Holly Juliano

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Some parenchymal remodeling, however, with mild deviation from curvilinear normalcy was observed. Pancreatic duct and capsular irregularities were present consistent with age related changes. If pain upon imaging (+ Murphy sign) was present or if the patient is focally painful in subxiphoid palpation then low-grade smoldering chronic pancreatitis should be suspected.

SPECIES

Feline

BREED

Free Abdomen

Domestic Shorthair

There was a large amount of abdominal fat noted in this patient.

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ULTRASONOGRAPHIC FINDINGS

Mesenteric lymph node mass with variable distal small intestinal thickening.

AGE

13 years

Renal infarcts, medullary rim sign.

Hepatic lipidosis pattern with possible emerging hepatic neoplasia.

WEIGHT

9.1 lbs

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

FNA of the mesenteric lymph nodes and liver is recommended after coagulation panel. Lymphoma versus mast cell disease and dry form FIP are all potentials. The prognosis is guarded depending upon responsiveness to chemotherapy.

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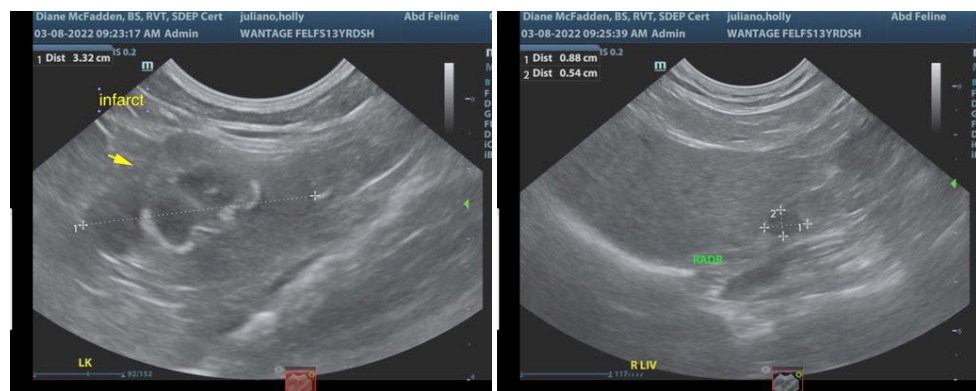
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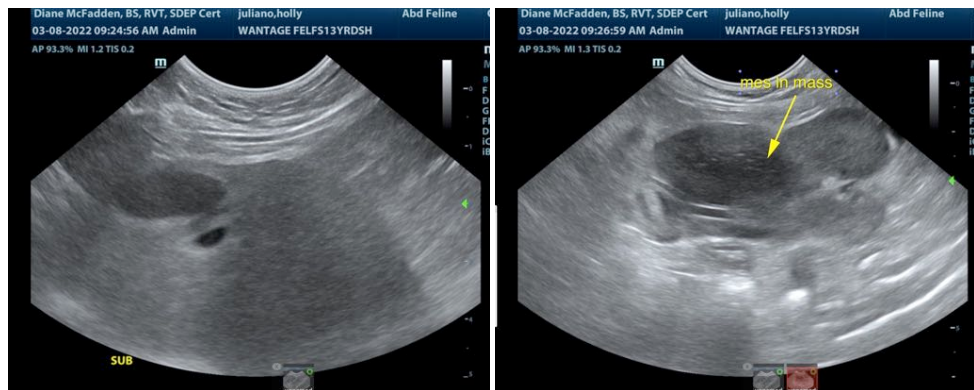
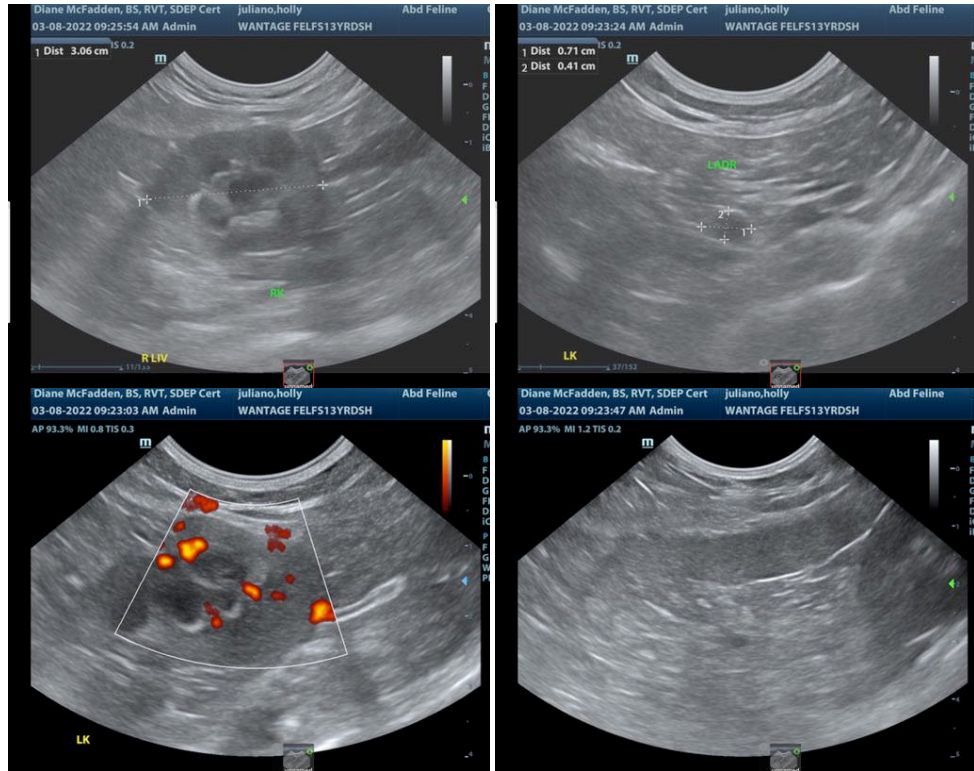
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

SPECIES

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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.

BREED

Domestic Shorthair

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SEX

Spayed Female

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