



PATIENT PRESENTING CLINICAL SIGNS

Millie Ferrera History: Not eating as well since 1/23 - had UTI now requires canned. x-ray Abd - enlarge spleen > poor detail. No current meds.

SPECIES Abnormal PE/Chem/CBC/UA Results: SDMA 14.4

Canine **ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

BREED *Urinary System*

Shepherd Mix The urinary bladder is moderately distended with anechoic urine, and no luminal sediment is present. The ureteral papillae, trigone and pelvic urethra are of normal appearance, and the ureters are not visible (normal). No masses, calculi or mucosal irregularities are noted. Urethra visualized to 4.0 cm.

SEX

Female Spayed The left kidney is of normal size and shape and exhibits appropriate corticomedullary differentiation with a normal 1:3 cortex to medulla ratio. The right kidney has multiple hypoechoic nodules located within the cortex (up to 1.5 cm in diameter). There is no evidence of nephrolithiasis, mineralization, pyelectasia, cystic change or hydronephrosis in either kidney. The proximal ureters are not visible (normal). The left kidney is 6.6 cm in length. The right kidney is 6.0 cm in length.

AGE

Adrenal Glands

8 years The adrenal glands are both identified in their normal locations. They are normal in size and shape with appropriate parenchymal echogenicity and normal phrenic vasculature. The left adrenal gland height is 8.2 mm at the cranial pole and 5.5 mm at the caudal pole. The right adrenal gland height is 7.2 mm at the cranial pole and 9.0 mm at the caudal pole.

WEIGHT

NP

Spleen

A 12.0 x 12.0 cm hypoechoic mass is noted in the head of the spleen, which disrupts the splenic capsule. The surrounding omentum is hyperechoic. The splenic vasculature is normal with no evidence of congestion or thrombosis, and blood flow through the splenic hilus appears normal.

INTERPRETED BY

Tam Mengine, DVM,
DABVP (canine/feline
practice)

Liver

The liver parenchyma is of normal echogenicity and subjectively normal size. There are multiple hypoechoic lesions present within the hepatic parenchyma, measuring up to 4.0 cm. The portal and hepatic vasculature are of normal size and appearance with no evidence of congestion or thrombosis. The liver is surrounded by hyperechoic omental fat.

IMAGING PERFORMED BY

Jessica Miller

The gallbladder is moderately distended with anechoic contents. The wall was thin and continuous with no focal lesions. The cystic and common bile ducts are normal / not visible.

HOSPITAL NAME

Chester AH

Gastrointestinal

The stomach is empty. The gastric wall is subjectively normal in thickness, and exhibits appropriate wall layering, but cannot be accurately measured due to normal deviations of the rugal folds. The pylorus is of normal appearance.

REFERRING VET

Dr Migliaccio

The visualized portions of the duodenum, jejunum, and ileum are of normal thickness with intact wall layering that exhibits the appropriate 1:3 muscularis to mucosa ratio. The duodenal wall measures 3.9 mm. The jejunal wall measures up to 3.4 mm. Intestinal motility appears normal.

INVOICE

12954

The visible portions of the colon are of normal thickness, up to 1.4 mm, with intact wall layering. The ileocecal junction is visualized and appears normal.

DATE

5.5.23



PATIENT *Pancreas*

Millie Ferrera The areas of the limbs and body of the pancreas are isoechoic to the surrounding mesenteric fat, with normal capsular appearance. There is no evidence of peripancreatic inflammation. The pancreatic duct appears normal.

SPECIES *Free Abdomen*

Canine There is no evidence of free fluid within the peritoneal cavity. The omentum and intra-abdominal fat are of hyperechoic. The splenic and mesenteric lymph nodes were moderately enlarged and hypoechoic with a rounded shape, measuring up to 2.0 cm. The aortic trifurcation has normal blood flow with no evidence of thrombosis. The visualized portion of the heart exhibits appropriate systolic function with no masses or effusions noted.

BREED

Shepherd Mix

ULTRASONOGRAPHIC FINDINGS

SEX Findings

Female Spayed

- Large hypoechoic splenic mass
- Multiple hypoechoic masses throughout the liver parenchyma
- Multiple hypoechoic nodules within the right kidney
- Rounded hypoechoic mesenteric and splenic lymph nodes

AGE

8 years

WEIGHT

NP

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The changes found within the abdomen are consistent with multifocal neoplasia. Differentials include lymphoma, other round cell neoplasia, histiocytic sarcoma, or metastatic neoplasia. Fine-needle aspirates are recommended for definitive diagnosis to see whether this is a type of neoplasia that would be amenable to chemotherapy. Additional supportive care could be considered with appetite stimulants and analgesics, as needed. Three-view chest radiographs would also be recommended for further staging.

INTERPRETED BY

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Jessica Miller

HOSPITAL NAME

Chester AH

REFERRING VET

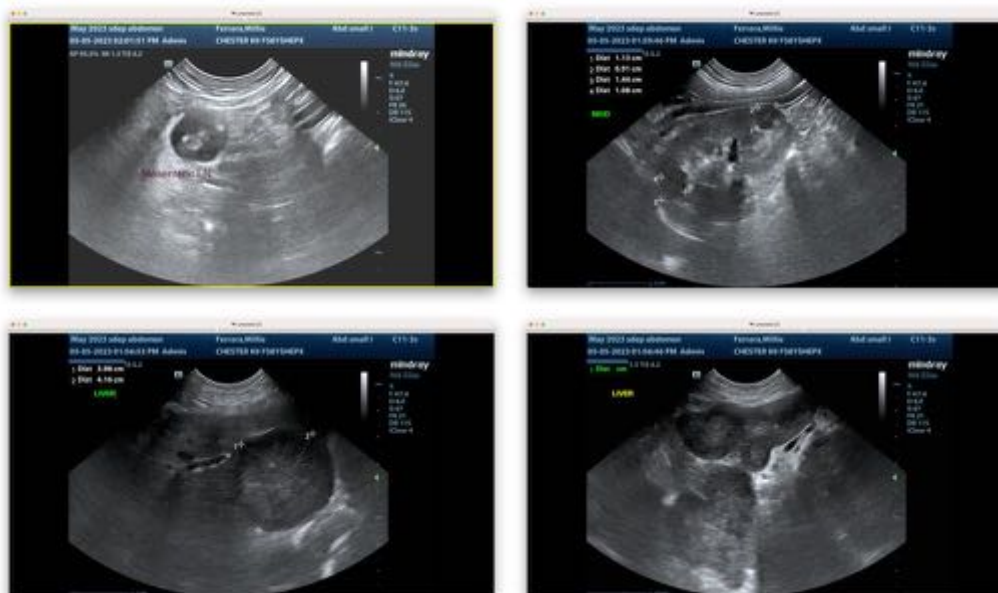
Dr Migliaccio

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PATIENT

Millie Ferrera

SPECIES

Canine

BREED

Shepherd Mix

SEX

Female Spayed

AGE

8 years

WEIGHT

NP

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**IMAGING
PERFORMED BY**

Jessica Miller

HOSPITAL NAME

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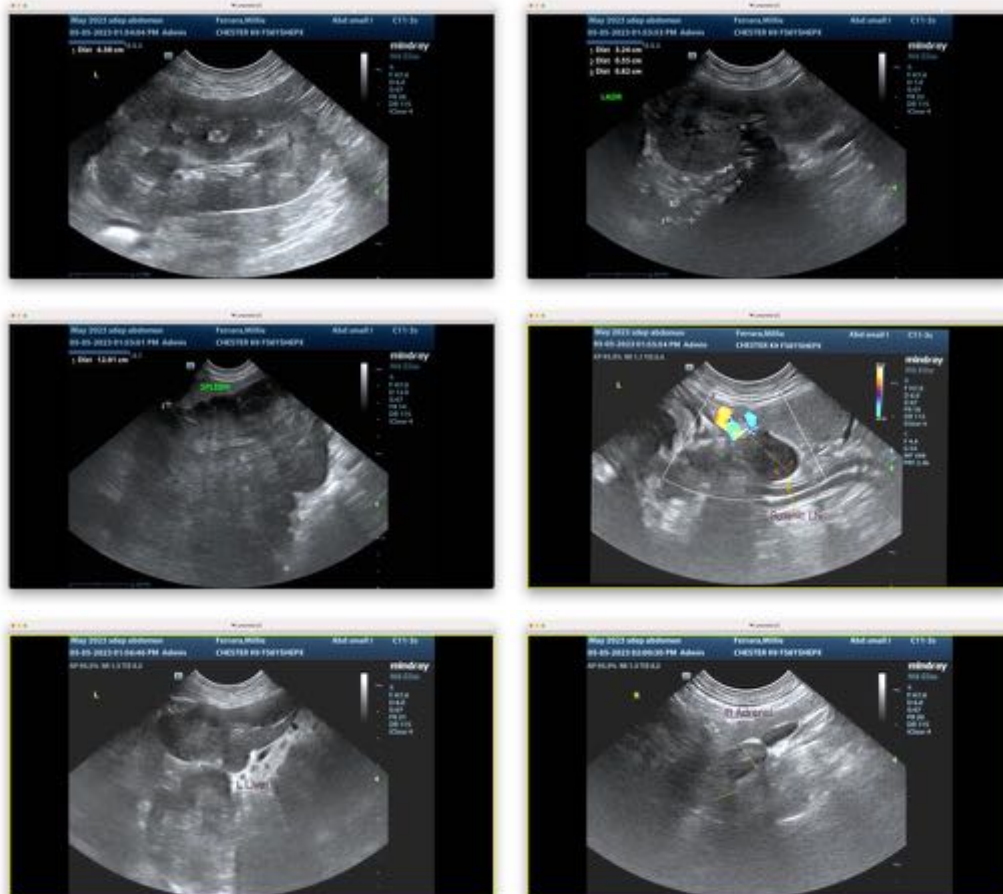
Dr Migliaccio

INVOICE

12954

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5.5.23



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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