



PATIENT

Farrah Medic

PRESENTING CLINICAL SIGNS

History: Enlarged liver on X-rays

SPECIES

Canine

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

Pomeranian

SEX

Spayed Female

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for this age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The right kidney measured 4.12 cm. The left kidney measured 4.01 cm.

AGE

12 years

WEIGHT

11.12 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 1.82 x 0.55 cm at the caudal pole and 0.36 cm at the cranial pole. The left adrenal gland was slightly enlarged at the caudal pole and measured 0.6 cm, 0.36 cm at the cranial pole and 1.58 cm in length.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Denise Bruno, LVT,
RDMS

Spleen

The **spleen** revealed expansive, mixed, hypoechoic 2.6 cm mass that was deriving from the mid caudal body. The remainder of the spleen was mildly heterogenous, yet unremarkable.

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Liver

The **liver** was uniformly enlarged with mild hepatic vein congestion. Slight coarse architecture was noted in the liver. There was no evidence of significant disease. Age remodeling was noted. The gallbladder was mildly over distended with suspended and dependent debris, yet not to the level of emerging mucocele. However, the sludge appears to be mildly excessive. No adjunctive inflammation was noted.

REFERRING VET

Dr. Mosaad

INVOICE

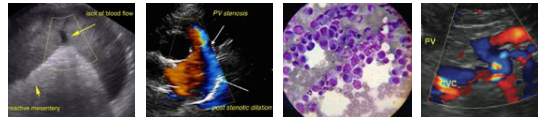
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Gastrointestinal

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine

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demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

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Canine

Pancreas

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

BREED

Pomeranian

ULTRASONOGRAPHIC FINDINGS

SEX

Spayed Female

Splenic mass.

Passive congestion liver pattern with age related changes.

Age related renal changes with minor mineralization.

AGE

12 years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

WEIGHT

11.12 lbs

I am concerned for splenic hemangiosarcoma and round cell neoplasia. An echocardiogram is warranted to assess if any pulmonary hypertension or causes of passive congestion are present as well as right auricular and pericardial pathology related to the splenic mass. Chest radiographs followed by splenectomy is indicated.

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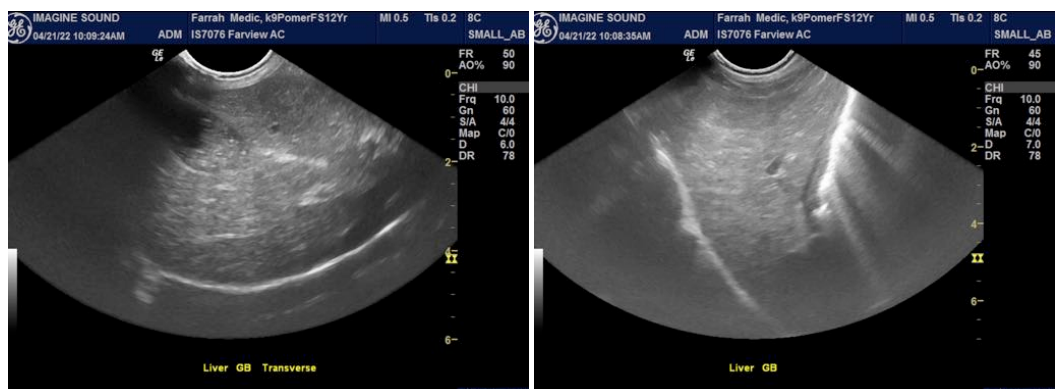
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SPECIES

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BREED

Pomeranian

SEX

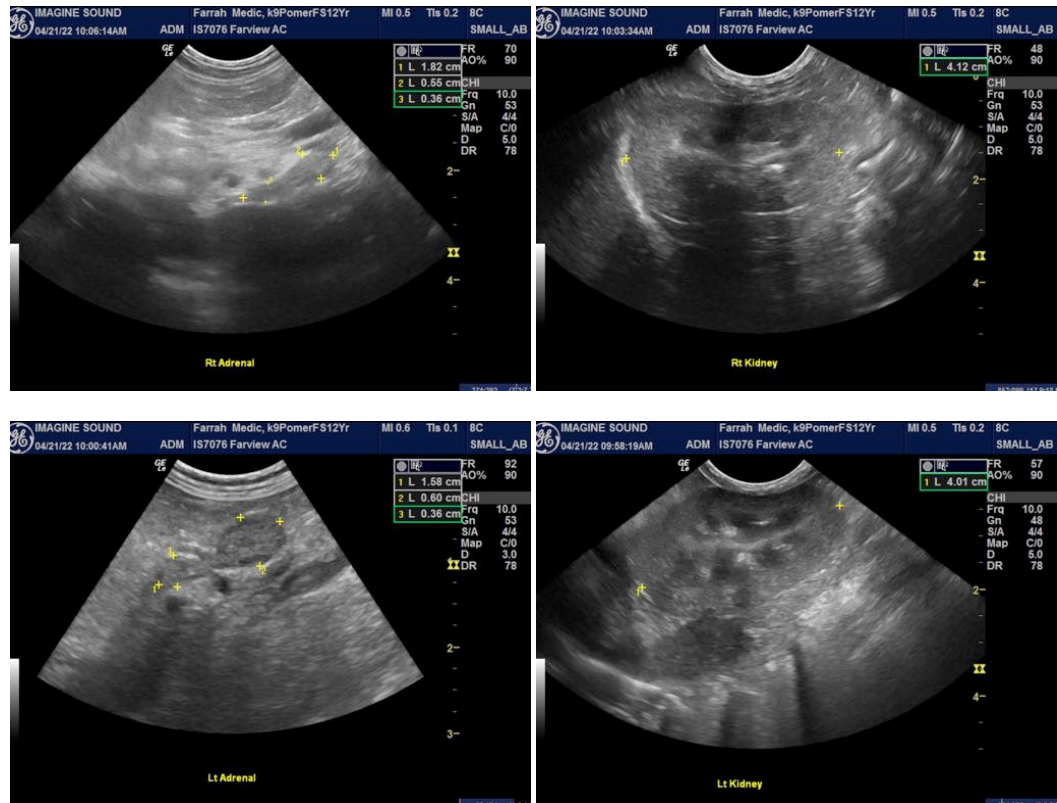
Spayed Female

AGE

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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.

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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.

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