



PATIENT

Peppa Johnson

SPECIES

Canine

BREED

Pomeranian Cross

SEX

Spayed Female

AGE

12 years

WEIGHT

10.7 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Celine Ward

HOSPITAL NAME

Kenora VC

REFERRING VET

Dr. Ward

INVOICE

96304

DATE

2/24/22

PRESENTING CLINICAL SIGNS

Presented Feb 18 2022 for first time - vomiting, inappropriate defecation. Patient listless and severely anemic on PE, owner declined diagnostics. Represented Feb 22 2022 - improved as per owner, moderate anemia, neutropenia, moderate thrombocytopenia ALT too high to read, AIKp mildly elevated cPL abnormal

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.

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. Slight pyelectasia was noted. The left kidney measured 4.5 cm. The right kidney measured 4.5 cm.

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 left adrenal gland measured 0.5 cm. The right adrenal gland measured 0.6 cm.

Spleen

The **spleen** revealed a large parenchymal mass with heterogenous parenchymal changes noted elsewhere in the spleen. Minor areas of cavitation were noted within the mass. One mass measured 4.0 cm. The second mass measured 7.0 cm. A mild amount of free fluid was noted adjacent to the larger mass.

Liver

The **liver** presented similar, mixed echogenic, complex masses. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

Gastrointestinal

The gastrointestinal tract was deviated. Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic



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activity. Small and large intestine 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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Pancreas

The pancreas was enveloped in portions of the splenohepatic pathology.

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ULTRASONOGRAPHIC FINDINGS

Splenohepatic masses. Sarcoma is suspected. This is not surgical. The right and left liver were effected.

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Free fluid, likely hemorrhage.

Pancreas enveloped in pathology.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Ultrasound-guided FNA of the parenchymal portions of the masses could be considered with immediate chemotherapeutic intervention from a palliative perspective. However, the prognosis is poor. This is a particularly aggressive presentation.

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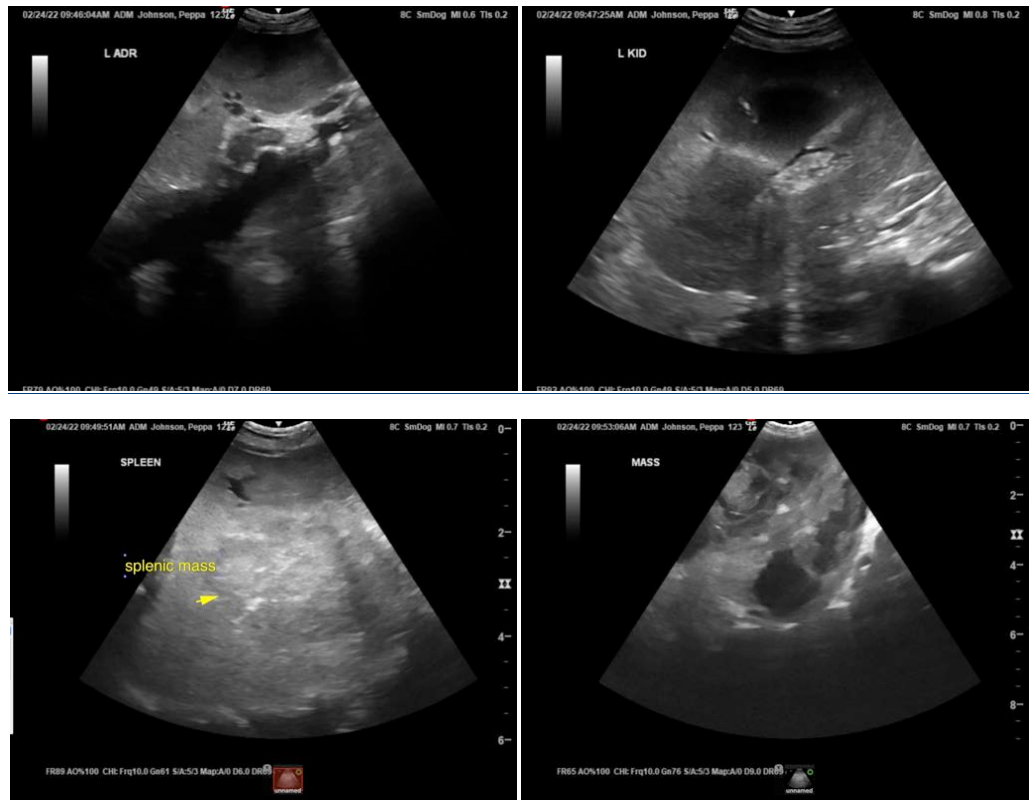
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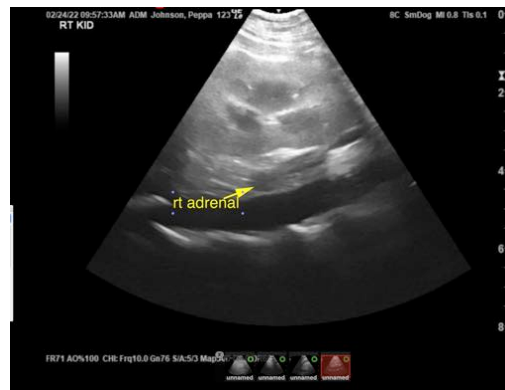
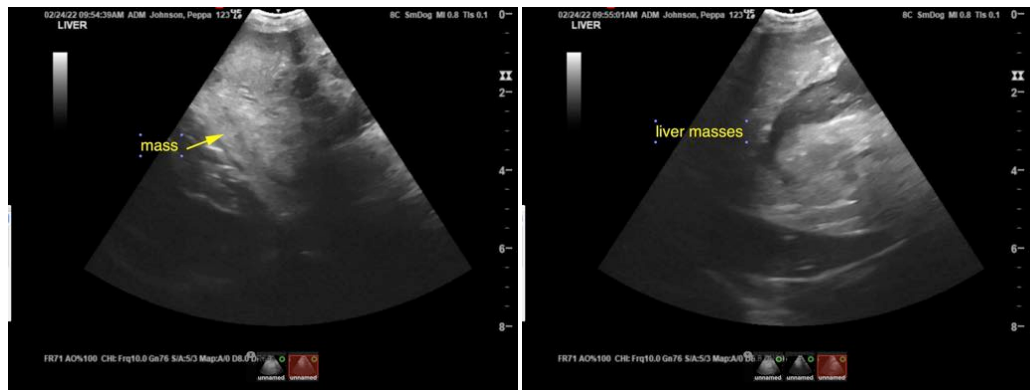
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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