



PATIENT PRESENTING CLINICAL SIGNS

Molly Tedrow

Was treated for kennel cough with abx and prednisone 1/24, should have just finished pred. Vomited once over weekend and has not eaten for 2-3 days, weak, not drinking today. Temp 102.6
Abnormal PE/Chem/CBC/UA Results: Painful abdomen, more cranial. CBC high WBC (25,000), mostly neutrophilic. Chem High ALP (1092), ALT (177), >2500 amylase, >6000 lipase. K+ 3.2, All else normal.

SPECIES

Canine

BREED ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Pug

Urinary System

SEX

Spayed Female

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction. 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.

AGE

12 years

The iliac trifurcation was unremarkable.

WEIGHT

27 lbs

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 left kidney measured 3.5 cm.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Adrenal Glands

Both **adrenal glands** were visualized obliquely and recognized as having normal shape, 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. Subjectively the right adrenal gland appears small.

IMAGING PERFORMED BY

Dr. Reser

Spleen

HOSPITAL NAME

Harvest Hills VH

The **spleen** was folded upon itself caudally and was uniform with no evidence of pathology.

REFERRING VET

Dr. Reser

Liver

The **liver** parenchyma was swollen with increased portal markings. Hypoechoic nodular changes were noted. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. Minor gallbladder congestion was present. Minor gallbladder polyps were present and were benign. Comet tail lung pattern was noted through the diaphragm.

INVOICE

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DATE

2/1/22

Gastrointestinal



PATIENT

Molly Tedrow

The **gastrointestinal tract** was empty and unremarkable. There was no evidence of foreign bodies. The pyloric outflow was free of evident pathology. The upper duodenum was mildly thickened and enveloped by the pancreatic pathology.

SPECIES

Canine

Pancreas

The **pancreas** revealed heterogenous parenchymal changes with mixed hypoechoic and hyperechoic parenchyma. The right limb of the pancreas revealed particularly mixed hypoechoic parenchymal changes with partial entrapment of the common bile duct. Regional inflammation was noted. Larger areas of hypoechoic, irregular pancreatic tissue with enhanced, ill-defined, surrounding fat was noted. This is consistent with chronic active pancreatitis in the right and left limbs.

BREED

Pug

SEX

Spayed Female

Free Abdomen

Areas of free fluid were noted.

AGE

12 years

ULTRASONOGRAPHIC FINDINGS

Acute on chronic pancreatitis pattern with potential for emerging post hepatic obstruction with entrapped common bile duct and mild gallbladder congestion.

WEIGHT

27 lbs

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Chest radiographs and respiratory rate should be monitored carefully. Ideally ultrasound-guided FNA of the hypoechoic portion of the pancreatic parenchyma and the hepatic nodules would be performed if accessible. Aggressive treatment for pancreatitis is warranted with specific attention to rising ALKP and potential bilirubin values. Plasma expanders, broad spectrum antibiotics, pain management and GI protectants are all indicated. Recheck sonogram is recommended in 48-72 hours.

INTERPRETED BY

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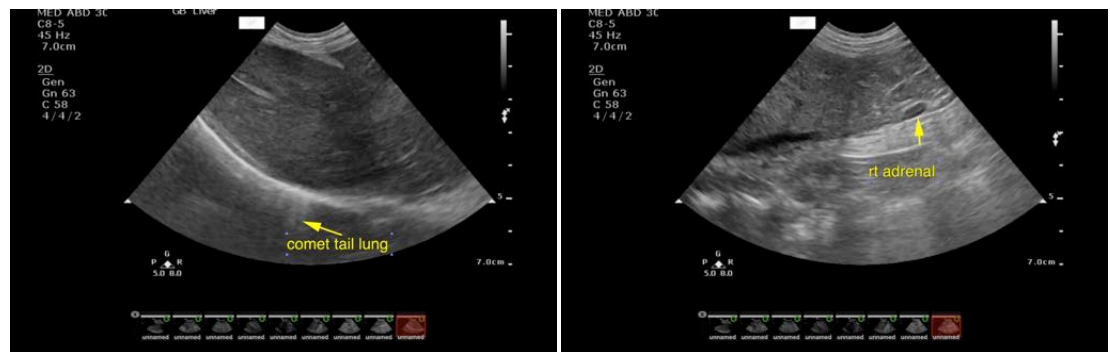
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Spayed Female

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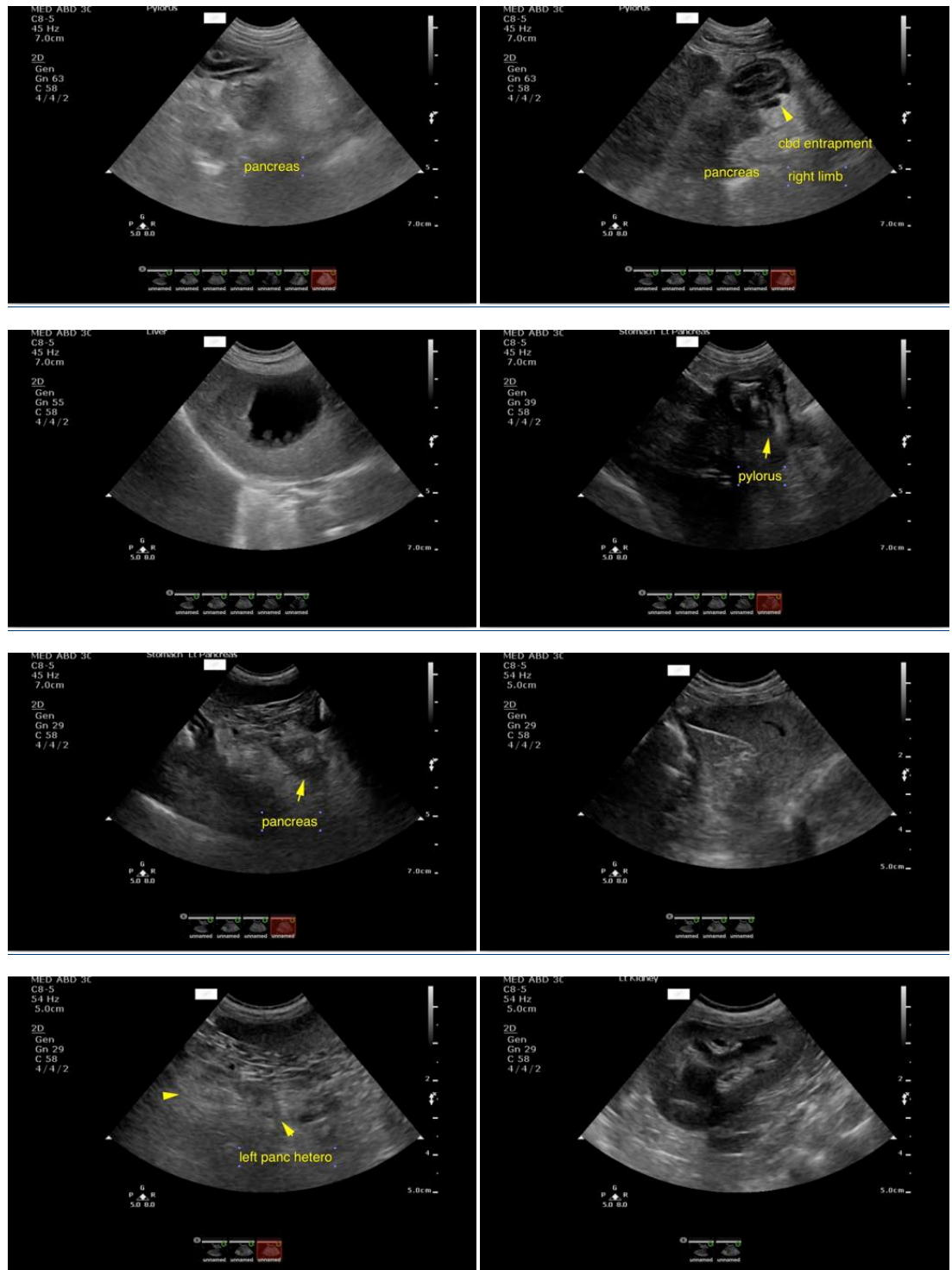
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Molly Tedrow

SPECIES

Canine

BREED

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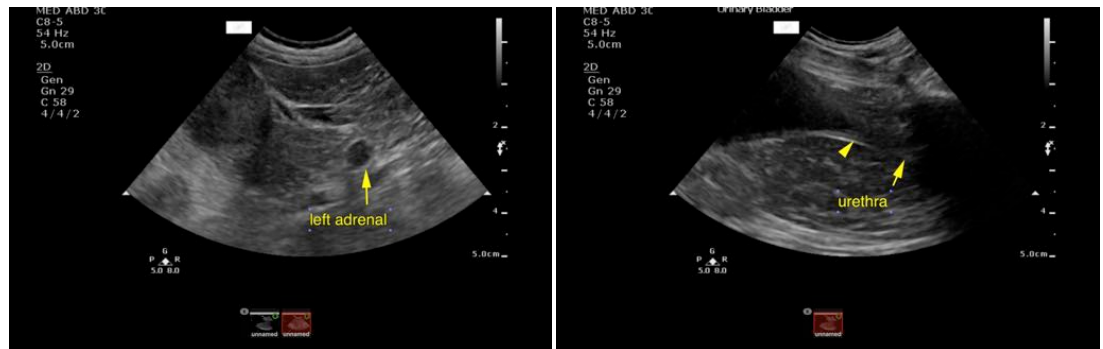
Spayed Female

AGE

12 years

WEIGHT

27 lbs



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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.