



PATIENT	PRESENTING CLINICAL SIGNS
Zoey Fortucci	Suddenly blind 1 month ago. Increased panting with cough that sounds like goose honk after drinking water. PU/PD 1 month.
SPECIES	Abnormal PE/Chem/CBC/UA Results: PE: Menace and PLR's absent OU. Facial n WNL. Panting excessively, lungs auscult WNL, no palpable tracheal cough. Very pot bellied with doughy abdomen. Labs: ALP 1535 U/L (5-160), all other LE's WNL. Cholesterol 427 mg/dl (131-345). T4 1.2 ug/dl. Hct 38%. USG 1.031 with quiet sediment.
Canine	
BREED	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Morkie	Urinary System
SEX	The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.
FS	
AGE	Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and minor indistinct corticomedullary definition were present. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation. The left kidney measured 4.1 cm in length. The right kidney measured 4.6 cm in length.
9yr	
WEIGHT	The area of the aortic trifurcation was free of pathology.
5.7kg	Adrenal Glands
INTERPRETED BY	The left adrenal gland was within normal limits for size with symmetrical contour and a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.51 cm width at the caudal pole and 1.6 cm length. The right adrenal gland was mildly prominent in size with symmetrical capsule contour and subtle non-homogenous parenchyma. The right adrenal gland measured 0.60 cm width at the caudal pole and 1.3 cm length.
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	
IMAGING PERFORMED BY	Spleen
Wendy Turner	The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted.
HOSPITAL NAME	Liver/Gallbladder
Pennsauken Animal Hospital and Urgent Care	The liver presented enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with primarily anechoic luminal content and moderate non-organized mildly hyperechoic debris. No evidence of gallbladder or peripheral gallbladder inflammation was present. The cystic and common bile ducts were normal.
REFERRING VET	
Wendy Turner	
INVOICE	
12962ag	
DATE	
02/14/2023	



PATIENT

Zoey Fortucci

Transdiaphragmatic view revealed possible comet tail lung pattern, which is echogenic sound wave interface with microconsolidations within the caudal lung field. The lung field should not be visualized by sonogram unless pathology is present. Chest radiographs are recommended to rule out alveolar/lung disease such as neoplasia, thromboembolic disease, chronic inflammatory disease with microconsolidation.

SPECIES

Canine

Gastrointestinal

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained minor retained anechoic fluid with no signs of ileus, obstruction or foreign material.

BREED

Morkie

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material.

SEX

FS

Normal visible colon wall layers were present with apparent formed feces in lumen.

Pancreas

The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia.

AGE

9yr

Free Abdomen

No omental masses, overt lymphadenopathy or peritoneal effusion was present.

WEIGHT

5.7kg

ULTRASONOGRAPHIC FINDINGS

- Vacuolar hepatopathy pattern-subjectively benign
- Gallbladder debris-not consistent with mucocele criteria
- Early to minor age related renal changes
- Mildly prominent right adrenal gland-no evidence of adrenal tumors
- Possible subtle transdiaphragmatic comet tail artefact-nonspecific

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Adrenal work up could be a consideration given reported PU/PD, hypercholesterolemia, hepatic presentation and excessing panting although the USG >1.020 is not overtly suggestive of significant polyuria. Three view chest radiographs are recommended if not done to assess for occult thoracic pathology.

IMAGING PERFORMED BY

Wendy Turner

No overt evidence of intra-abdominal neoplastic criteria present. Hepatosupportive medications such as Denamarin and Ursodiol may prove beneficial.

HOSPITAL NAME

Pennsauken Animal
Hospital and Urgent
Care

A screening BP is advised to assess for evidence of hypertension as a contributing factor to sudden blindness.

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SPECIES

Canine

BREED

Morkie

SEX

FS

AGE

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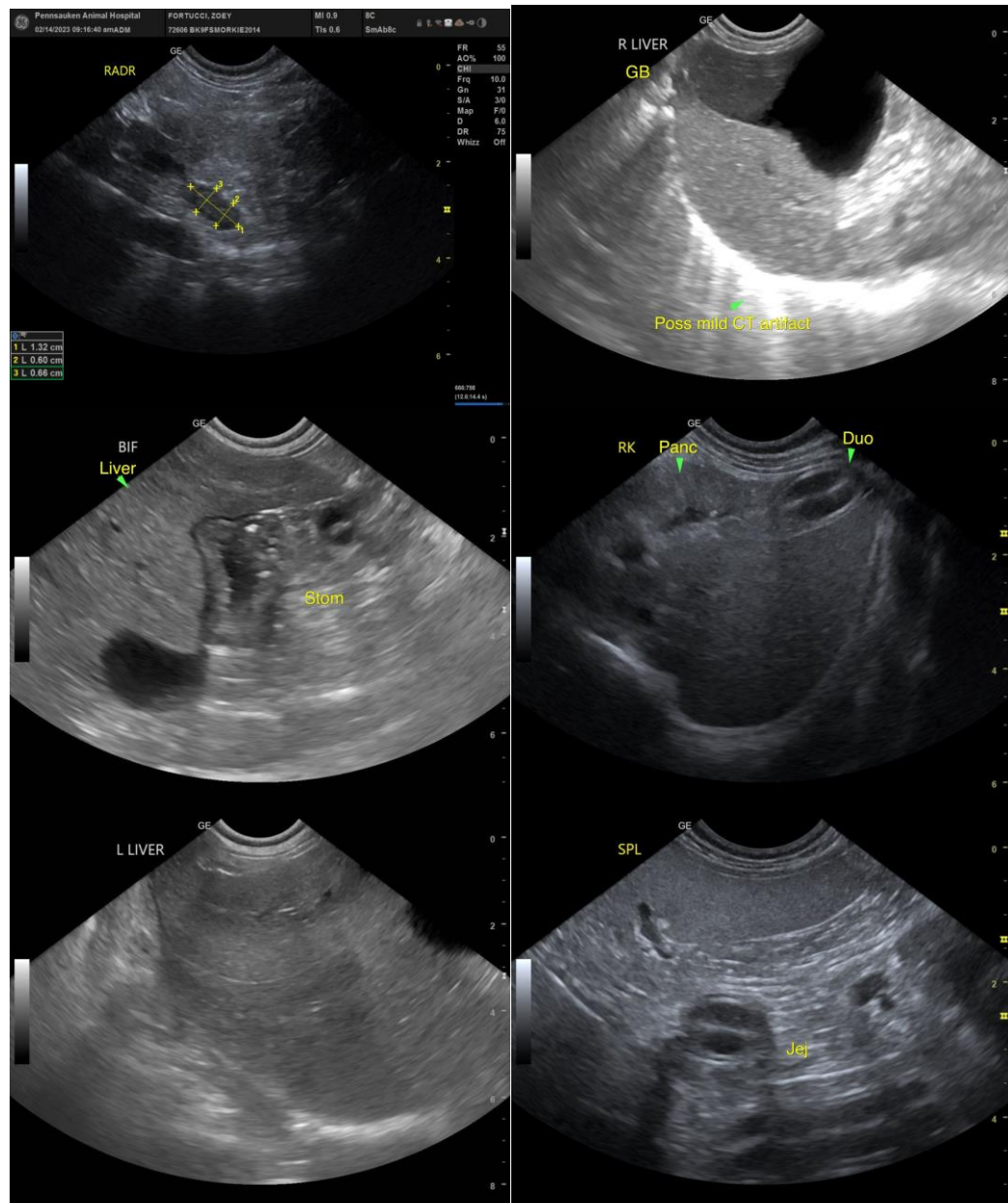
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SPECIES

Canine

BREED

Morkie

SEX

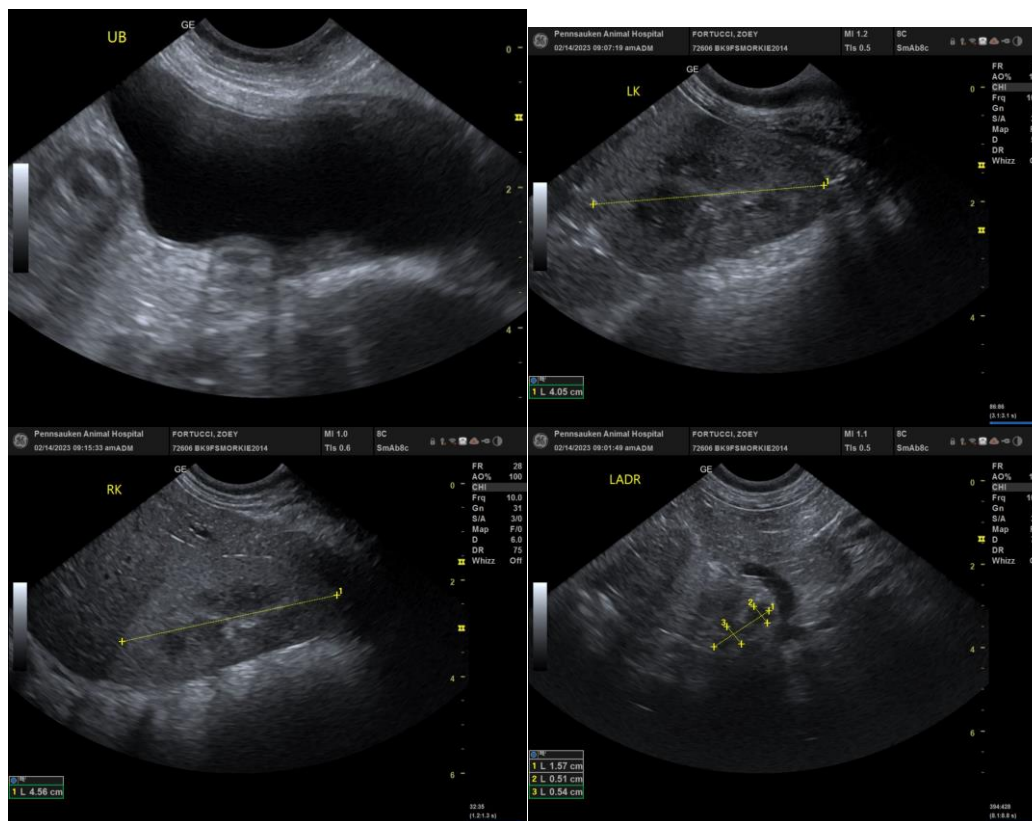
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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