



PATIENT PRESENTING CLINICAL SIGNS

Reba Elia Gindin History: Elevated ALT, ALKP and GGT. Pre dental.

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine

Urinary System

BREED 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.

Aussiedoodle Mix

SEX Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. 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 4.3 cm in length. The right kidney measured 4.3 cm in length.

Spayed female

AGE The area of the aortic trifurcation was free of pathology.

4 years

Adrenal Glands

WEIGHT The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.30 cm width at the caudal pole and 0.36 cm width at the cranial pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.43 cm width at the caudal pole and 0.43 cm width at the cranial pole.

8.5 kg

INTERPRETED BY Spleen

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

IMAGING PERFORMED BY
Dave Stasiuk

Liver

HOSPITAL NAME The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

Resolution Veterinary
Ultrasound

REFERRING VET Gastrointestinal

Dr. Kim Barclay The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.

INVOICE 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.

10430ag Normal visible colon wall layers were present with apparent formed feces in lumen.

DATE

04/19/2022



PATIENT *Pancreas*

Reba Elia Gindin The parenchyma of the left limb, body and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease was evident.

SPECIES *Free Abdomen*

Canine No overt lymphadenopathy or peritoneal effusion was present.

BREED **ULTRASONOGRAPHIC FINDINGS**

Aussiedoodle Mix

- Nonspecific hepatopathy.
- Otherwise sonographically unremarkable abdomen.

SEX

Spayed female

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

AGE No evidence of significant abdominal visceral pathology including overall sonographically normal liver. Although nonspecific the liver presentation was consistent with benign hepatopathy with considerations including vacuolar hepatopathy and mild hepatic cholestasis given the elevated ALP, GGT combination with potential for primary or concurrent inflammatory hepatopathy (viral, bacterial, leptospirosis, toxin, etc.) given the ALT elevation. Further assessment may include an ultrasound guided FNA of the liver for screening cytology primarily to assess for or identify inflammatory cell type if present +/- leptospirosis titers/PCR if endemic to the area. No overt evidence of a portosystemic shunt. No anesthetic contraindications assuming normal hepatic functionality. Empirically hepatosupportive medications including Denamarin and Ursodiol may prove beneficial.

4 years

WEIGHT

8.5 kg

INTERPRETED BY

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

IMAGING PERFORMED BY
Dave Stasiuk

HOSPITAL NAME

Resolution Veterinary
Ultrasound

REFERRING VET

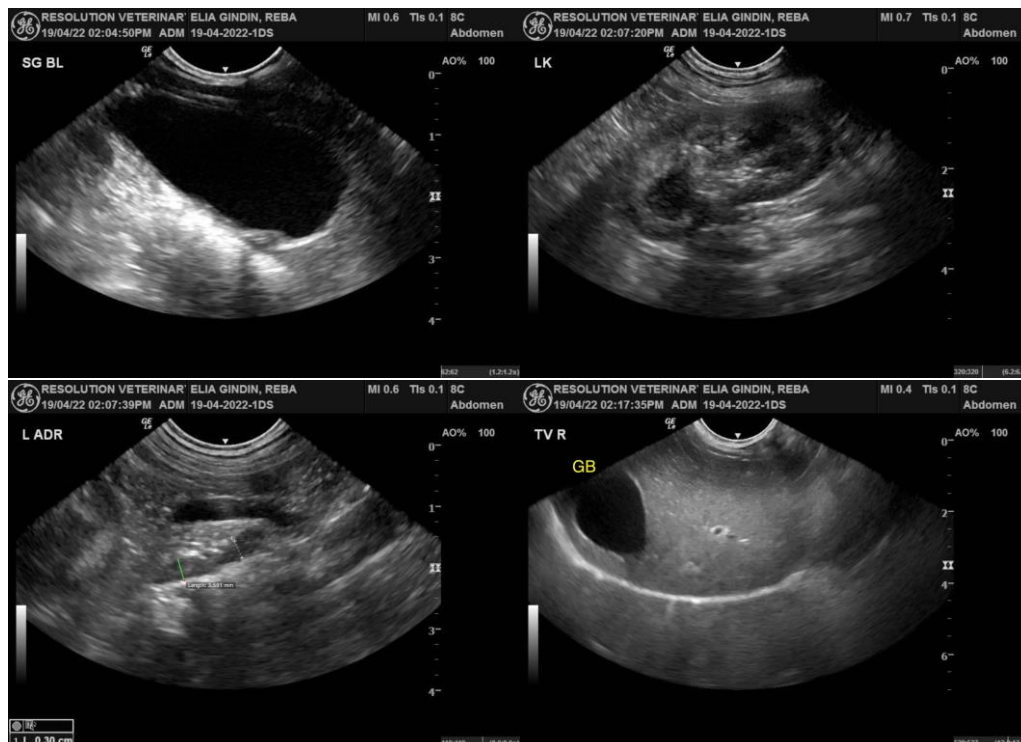
Dr. Kim Barclay

INVOICE

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PATIENT

Reba Elia Gindin

SPECIES

Canine

BREED

Aussiedoodle Mix

SEX

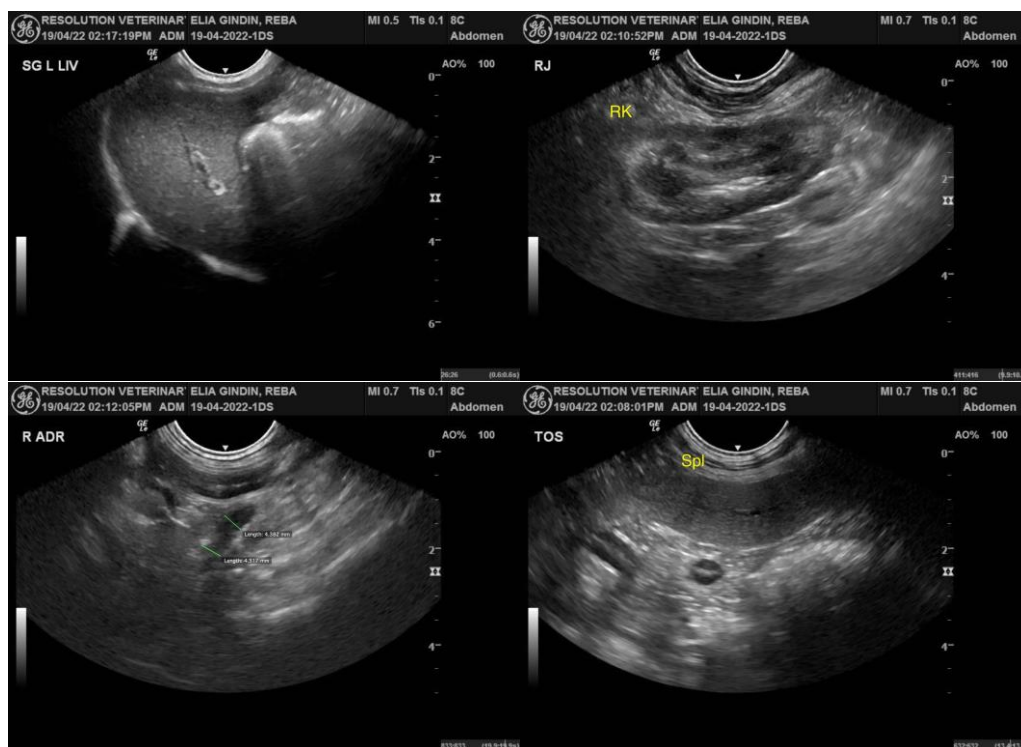
Spayed female

AGE

4 years

WEIGHT

8.5 kg



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R. McKenzie Daniel,
DVM, DABVP
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**IMAGING
PERFORMED BY**
Dave Stasiuk

HOSPITAL NAME

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REFERRING VET

Dr. Kim Barclay

INVOICE

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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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)

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