



PATIENT

PRESENTING CLINICAL SIGNS

Mia Ortiz-Waschman

Rule out pancreatitis. Elevated Spec CPL.

SPECIES

Canine

BREED

Min Pin

SEX

F/S

AGE

11 years

WEIGHT

4.1 kg

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 cm 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 was noted.

The area of the aortic trifurcation was free of pathology.

Normal size and margination were present in the left kidney. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. Mild nonobstructive medullary mineral was noted. The left kidney measured 4.7 cm in length.

The right kidney was not visualized owing to a previous right nephrectomy. No evidence of pathology was noted in the area of the previous right kidney.

Adrenal Glands

The left adrenal gland was normal in size. Mild parenchyma heterogeneity and mild capsule asymmetry were present without suspicion for overt neoplasia. The left adrenal gland measured 0.56 cm width in the cranial pole and 0.60 cm width in the caudal pole.

The right adrenal gland exhibited mildly enlarged caudal pole secondary to indistinct mild nonhomogeneous to hyperechoic nodule present in the mid to caudal right adrenal gland, measuring approximately 0.60 cm in diameter. The overall right adrenal gland measured 0.71 cm width at the caudal pole and 0.57 cm width at the cranial pole. The indistinct nodule did not distort the right adrenal capsule and without evidence of mineralization or vascular invasion.

Spleen

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.

Liver/ Gallbladder

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.

INTERPRETED BY

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

IMAGING PERFORMED BY

Dave Stasiuk RDMS,
RDMS

HOSPITAL NAME

Resolution Veterinary
Ultrasound LTD

REFERRING VET

Alpine AH

INVOICE

14310

DATE

7/19/22



PATIENT

Gastrointestinal

Mia Ortiz-Waschman

The stomach presented wall thickening secondary to echogenic mucosa hypertrophy. Intact wall layering was maintained and distinct. Mild to moderate retained anechoic fluid was present. No evidence of mechanical pyloric outflow obstruction, retained ingesta, or gastric foreign material was noted. The gastric body wall width measured 0.47 cm. The pylorus wall width measured 0.42 cm.

SPECIES

Canine

BREED

Min Pin

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. The duodenum wall measured 0.25 cm width.

SEX

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

F/S

Pancreas

AGE

11 years

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

WEIGHT

4.1 kg

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

INTERPRETED BY

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

ULTRASONOGRAPHIC FINDINGS

- Left kidney mild chronic renal changes with pinpoint to minor medullary mineral
- Hypomotile gastritis
- Heterogeneous pancreas
- Nonspecific mildly nodular right adrenal gland - suspect adenomatous change

IMAGING PERFORMED BY

Dave Stasiuk RDMS,
RDMS

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

HOSPITAL NAME

Resolution Veterinary
Ultrasound LTD

Sonographically, the appearance of the pancreas was not consistent with significant or active pancreatitis, yet low-grade or chronic pancreatitis, which may present as essentially sonographically normal, is possible. Likewise, the elevated Spec cPL may be reactive, secondary to gastritis, especially if current or recent episodes of vomiting, inappetence or similar. If clinically indicated, therapy for gastritis and low-grade pancreatitis is recommended.

REFERRING VET

Alpine AH

INVOICE

14310

Technically, the possibility of emerging right adrenal neoplasia, i.e., pheochromocytoma, adenocarcinoma, or other cannot be definitively excluded. Screening blood pressure is suggested to assess for evidence of hypertension, which may allude to an emerging right adrenal pheochromocytoma.

DATE

7/19/22

Sonographic monitoring of the stomach, pancreas and right adrenal nodule for evidence of progressive changes is recommended, especially if persistent signs of pancreatitis despite supportive care.



PATIENT

Mia Ortiz-Waschman

SPECIES

Canine

BREED

Min Pin

SEX

F/S

AGE

11 years

WEIGHT

4.1 kg

INTERPRETED BY

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

IMAGING PERFORMED BY

Dave Stasiuk RDMS,
RDCS

HOSPITAL NAME

Resolution Veterinary
Ultrasound LTD

REFERRING VET

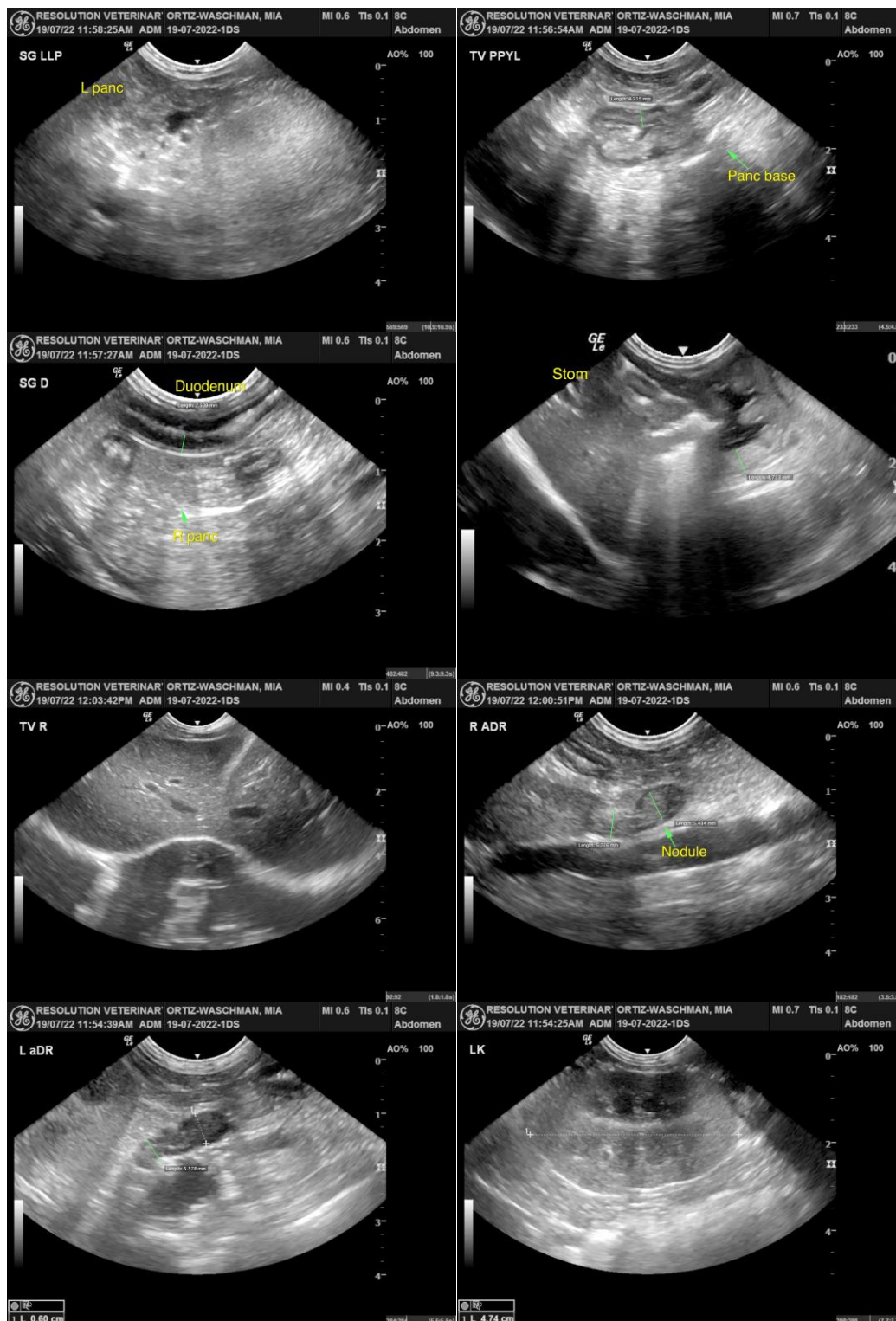
Alpine AH

INVOICE

14310

DATE

7/19/22



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.



PATIENT

Mia Ortiz-Waschman

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.

SPECIES

Canine

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)
info@SonoPath.com

BREED

Min Pin

SEX

F/S

AGE

11 years

WEIGHT

4.1 kg

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Dave Stasiuk RDMS,
RDMS

HOSPITAL NAME

Resolution Veterinary
Ultrasound LTD

REFERRING VET

Alpine AH

INVOICE

14310

DATE

7/19/22