



PATIENT

Sophie Warwaruk

SPECIES

Canine

BREED

Yorkie Cross

SEX

Spayed female

AGE

10 months

WEIGHT

6.45 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Belan

HOSPITAL NAME

McKnight VC

REFERRING VET

Dr. Malaguti

INVOICE

32098

DATE

8/3/22

PRESENTING CLINICAL SIGNS

History: Referred from outlying clinic on Sunday lethargic not eating or drinking non specific symptoms. Febrile OVH on July 4 2022

Abnormal PE/Chem/CBC/UA Results: Moderate neutrophilia. Chemistry normal

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 uterine base measured 0.6 cm in width. Regional inflammation was noted. There was separation from the bladder, yet not clear. There is concern for adhesions. A hypoechoic structure was noted in the region of the right ovary and measured 0.6 cm. Ovarian remnant may be an issue.

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The right kidney measured 5.06 cm. The left kidney measured 4.44 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 right adrenal gland measured 0.52 cm at the cranial pole and 0.32 cm at the caudal pole. The left adrenal gland measured 0.37 cm at the cranial pole and 0.33 cm at the caudal pole.

Spleen

The **spleen** in this patient was mildly enlarged with uniform parenchyma and was folded upon itself caudally. This is a positional variant and is not pathological. There was no evidence of significant disease.

Liver

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder was mildly over distended with suspended and dependent debris, yet not to the level of emerging mucocele, yet sludge appears to be mildly excessive. No adjunctive inflammation was noted.



PATIENT

Sophie Warwaruk

SPECIES

Canine

BREED

Yorkie Cross

SEX

Spayed female

AGE

10 months

WEIGHT

6.45 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Belan

HOSPITAL NAME

McKnight VC

REFERRING VET

Dr. Malaguti

INVOICE

32098

DATE

8/3/22

Gastrointestinal

The **stomach** was over distended with fluid. Gastric wall thickening measured 0.77 cm. The pylorus was free of evident pathology. The small intestines and colon were unremarkable. The mesenteric lymph nodes were reactive.

Pancreas

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

Free Abdomen

The sublumbar lymph node was mildly enlarged and measured 0.6 cm and was reactive. A hypoechoic structure was noted in the region of the uterine base and measured 0.6 cm in width.

ULTRASONOGRAPHIC FINDINGS

Mesenteric lymphadenopathy.

Gastritis pattern.

Thickened residual uterine stump, possible stump pyometra.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

I recommend stabilization of this patient with broad spectrum antibiotics and GI protectants. Tick borne disease panel is warranted. A recheck sonogram is recommended in 48-72 hours to assess if exploratory surgery is necessary to remove the potential right ovarian remnant and uterine stump.





PATIENT

Sophie Warwaruk

SPECIES

Canine

BREED

Yorkie Cross

SEX

Spayed female

AGE

10 months

WEIGHT

6.45 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Belan

HOSPITAL NAME

McKnight VC

REFERRING VET

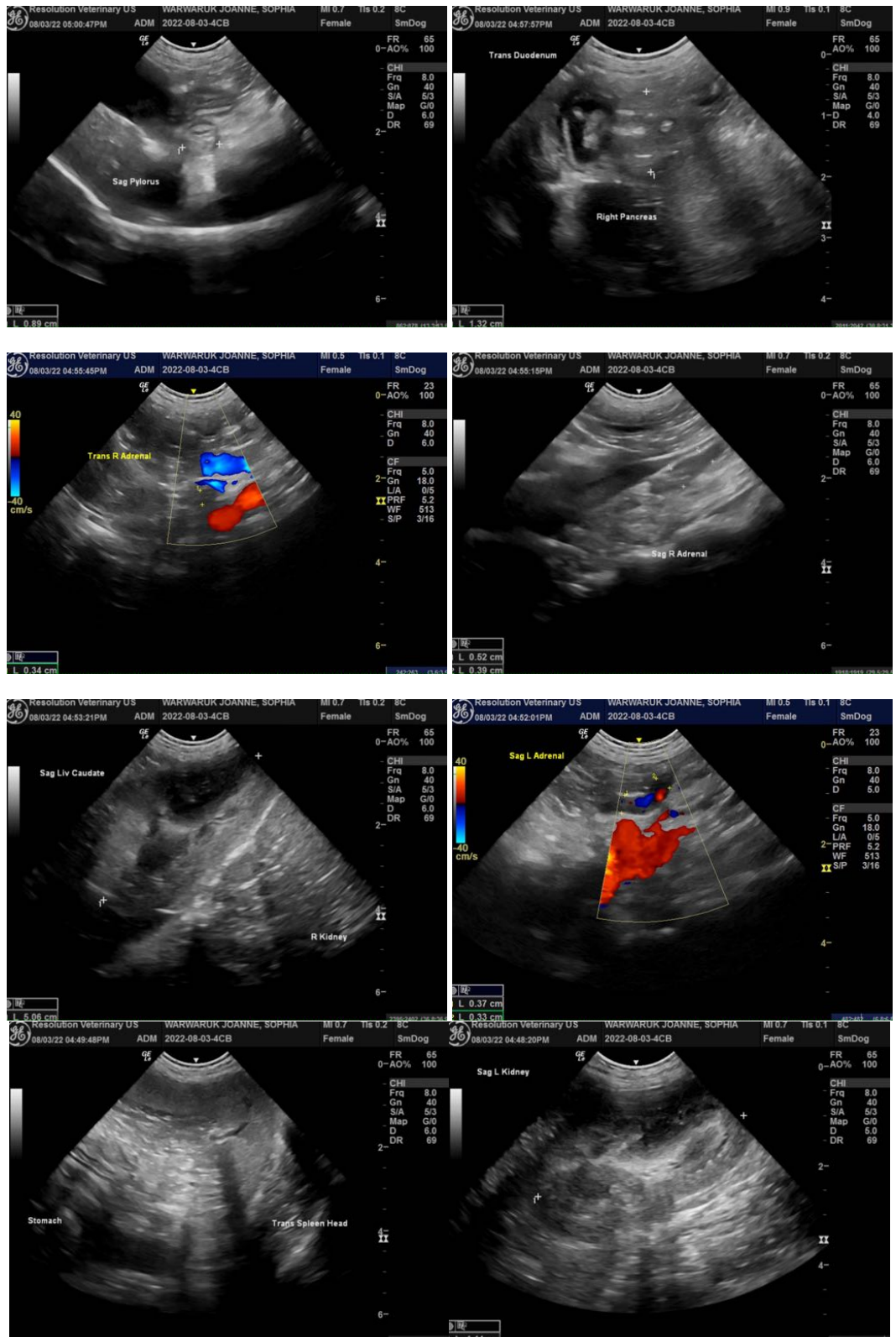
Dr. Malaguti

INVOICE

32098

DATE

8/3/22





PATIENT

Sophie Warwaruk

SPECIES

Canine

BREED

Yorkie Cross

SEX

Spayed female

AGE

10 months

WEIGHT

6.45 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Belan

HOSPITAL NAME

McKnight VC

REFERRING VET

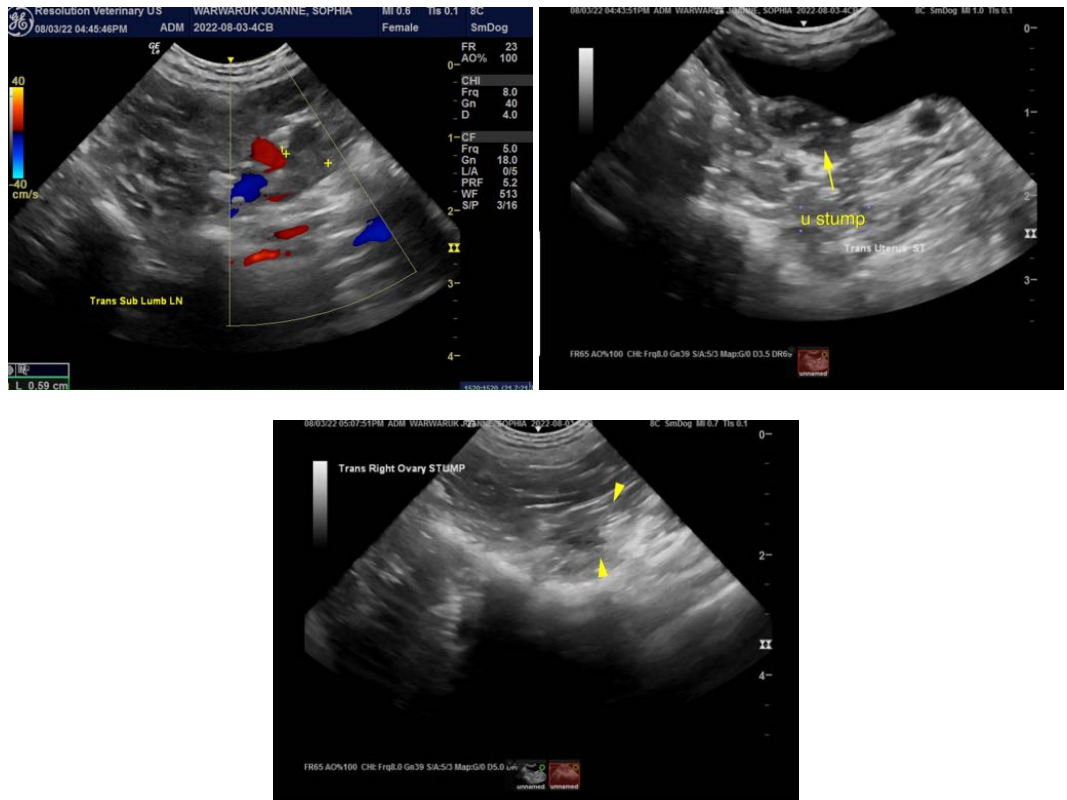
Dr. Malaguti

INVOICE

32098

DATE

8/3/22



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.

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.

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com
info@SonoPath.com