



PATIENT

Sadie Girard

SPECIES

Canine

BREED

Shih Tzu

SEX

Spayed female

AGE

11 years

WEIGHT

8.1 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Belan

HOSPITAL NAME

Alpine 24/7

REFERRING VET

Dr. Drohan

INVOICE

42251

DATE

1/19/23

PRESENTING CLINICAL SIGNS

History: History of a right adrenal mass for 18 months been monitoring Blood pressure and getting normal readings. Also diagnosed diabetic and well managed On veteryl for last 60 days .
Abnormal PE/Chem/CBC/UA Results: Urine specific gravity 1012 and protienuria

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 **kidneys** were normal in size and contour; however, a minor hyperechoic ring was noted at the corticomedullary junction. This is consistent with diabetic nephropathy. This is likely from glucosuria. However, assessment for proteinuria is also warranted. This is an idiopathic finding, but an expected finding in diabetic patients. The right kidney measured 5.15 cm. The left kidney measured 4.36 cm.

Adrenal Glands

The right **adrenal gland** revealed an expansive, persistent mass that measured 2.46 x 2.28 cm and was similar to the prior sonogram. Multi-focal, hyperechoic nodular changes were noted. This is most consistent with adenoma, myelolipoma or possible adenocarcinoma. Pheochromocytoma is unlikely yet possible. The left adrenal gland was mildly heterogenous and measured 0.83 cm at the caudal pole and 0.53 cm at the cranial pole. A hyperechoic nodule was noted at the caudal pole.

Spleen

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

Liver

The **liver** was uniformly swollen with minor, excessive gallbladder debris and over distension with dependent and suspended bile without evidence of overt mucocele formation. However, excessive sludge was present. Occasional, hypoechoic nodular change was noted in the liver as well. The liver presented coarse architecture with mildly increased portal markings and subtle, mixed echogenic changes. This is consistent with vacuolar hepatopathy and some level of remodeling and history of inflammatory component. There was no overt suspicion of neoplasia.

Gastrointestinal

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine



PATIENT

Sadie Girard

demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

SPECIES

Canine

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.

BREED

Shih Tzu

ULTRASONOGRAPHIC FINDINGS

SEX

Spayed female

Benign diabetic hepatopathy.

AGE

11 years

Right adrenal mass, consistent with adenoma, appears resectable. Subjectively benign, may be unrelated to the clinical history. Functional adenoma, myelolipoma, adenocarcinoma or less likely pheochromocytoma are all possible. Myelolipoma is also possible. This appears to be stable and it has not grown from the prior report.

Nodular left adrenal gland.

WEIGHT

8.1 kg

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Medical management for the diabetic status is warranted if the patient is stable. Otherwise, right adrenalectomy can be considered and justified.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Belan

HOSPITAL NAME

Alpine 24/7

REFERRING VET

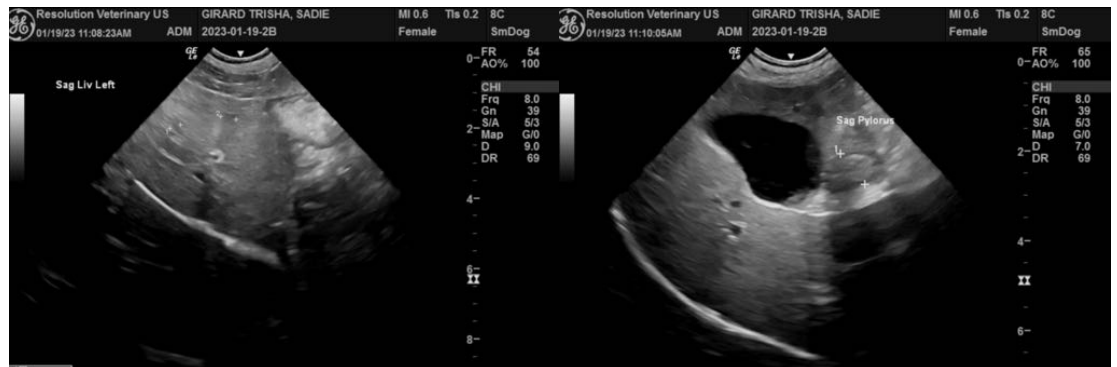
Dr. Drohan

INVOICE

42251

DATE

1/19/23





PATIENT

Sadie Girard

SPECIES

Canine

BREED

Shih Tzu

SEX

Spayed female

AGE

11 years

WEIGHT

8.1 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Belan

HOSPITAL NAME

Alpine 24/7

REFERRING VET

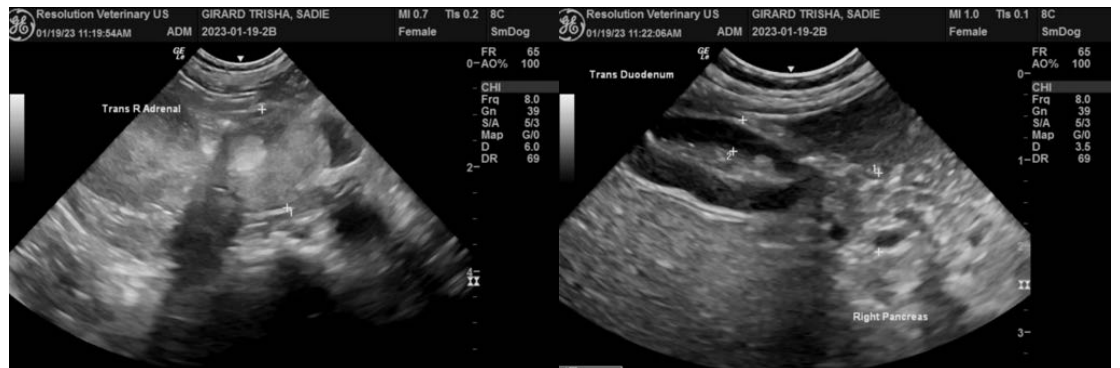
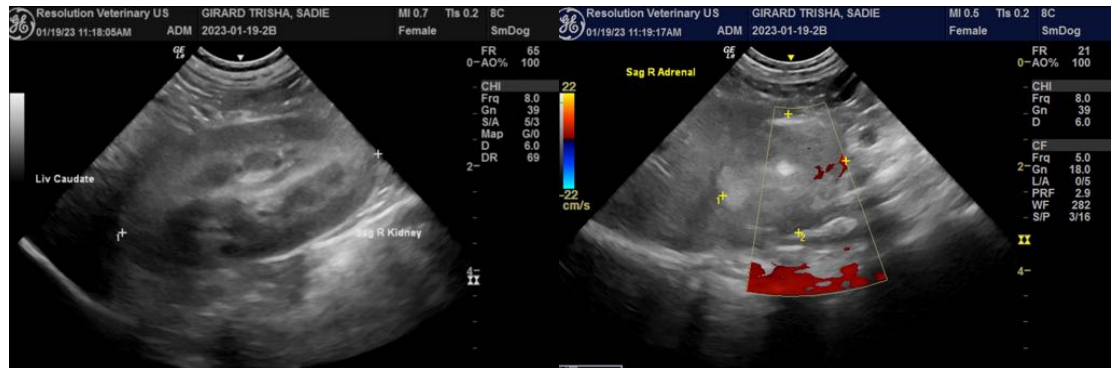
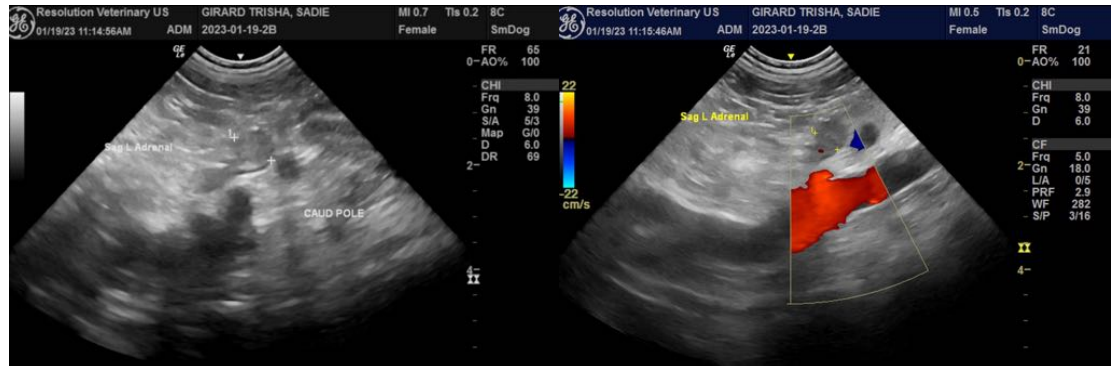
Dr. Drohan

INVOICE

42251

DATE

1/19/23





PATIENT

Sadie Girard

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.

SPECIES

Canine

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.

BREED

Shih Tzu

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

SEX

Spayed female

AGE

11 years

WEIGHT

8.1 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Dr. Belan

HOSPITAL NAME

Alpine 24/7

REFERRING VET

Dr. Drohan

INVOICE

42251

DATE

1/19/23