



PATIENT PRESENTING CLINICAL SIGNS

Rachel Parker History: elevated liver values in pre-surgical blood work

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine *Urinary System*

BREED

German Shorthair
Pointer

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.

SEX

Spayed female

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The right kidney 6.24 cm with anechoic cysts in the cranial medial cortex measuring 1.37 cm. The left kidney measured 6.18 cm.

AGE

12 ½ years

WEIGHT

50 lbs

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 2.24 x 0.58 cm at the caudal pole and 0.97 cm at the cranial pole. The left adrenal gland measured 2.39 x 0.55 cm at the cranial pole and 0.4 cm at the caudal pole.

INTERPRETED BY

Eric Lindquist, DMV,
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jenna Walsh, CVT

Spleen

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes was noted.

HOSPITAL NAME

Alpine AH

REFERRING VET

Dr. Mills

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 presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

DATE

6/26/23

Invoice

47939



PATIENT

Rachel Parker

SPECIES

Canine

BREED

German Shorthair
Pointer

SEX

Spayed female

AGE

12 ½ years

WEIGHT

50 lbs

Gastrointestinal

The upper **gastrointestinal tract** was unremarkable, yet the distal small intestine revealed areas of mucosal fogging and thickening without loss of mural detail. Reactive mesentery was noted as well. This is consistent with enteritis and likely lymphangectasia. No neoplastic criteria was present.

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.

ULTRASONOGRAPHIC FINDINGS

Mild hepatic remodeling, benign hepatopathy.

Areas of mucosal fogging, intestinal thickening and reactive mesentery.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There was no overt contraindication to anesthetic procedure. However, the albumin levels and GI signs should be monitored in this patient. These changes may be incidental and secondary to prior insult. They appear to be fairly stable; however, mid abdominal manual palpation is warranted to assess for any discomfort.

INTERPRETED BY

Eric Lindquist, DMV,
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jenna Walsh, CVT

HOSPITAL NAME

Alpine AH

REFERRING VET

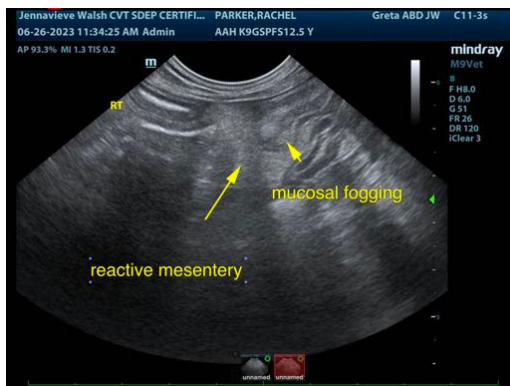
Dr. Mills

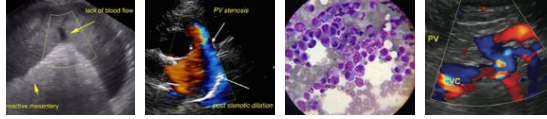
DATE

6/26/23

Invoice

47939





PATIENT

Rachel Parker

SPECIES

Canine

BREED

German Shorthair
Pointer

SEX

Spayed female

AGE

12 ½ years

WEIGHT

50 lbs

INTERPRETED BY

Eric Lindquist, DMV,
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jenna Walsh, CVT

HOSPITAL NAME

Alpine AH

REFERRING VET

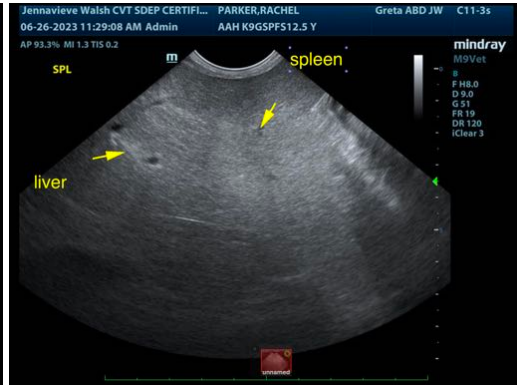
Dr. Mills

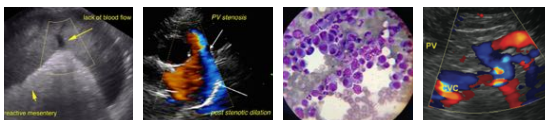
DATE

6/26/23

Invoice

47939





PATIENT

Rachel Parker

SPECIES

Canine

BREED

German Shorthair
Pointer

SEX

Spayed female

AGE

12 ½ years

WEIGHT

50 lbs

INTERPRETED BY

Eric Lindquist, DMV,
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jenna Walsh, CVT

HOSPITAL NAME

Alpine AH

REFERRING VET

Dr. Mills

DATE

6/26/23

Invoice

47939



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