

**PATIENT**

Cami Gunter

SPECIES

Canine

BREED

Schnauzer

SEX

Spayed Female

AGE

2 Years

WEIGHT

3.2 lbs

INTERPRETED BYEric Lindquist, DMV,
DABVP (CFM), Cert.
IVUSS**IMAGING
PERFORMED BY**

Dr. Amanda Favis

HOSPITAL NAME

Ruidoso Animal Clinic

REFERRING VET

Dr. Amanda Favis

INVOICE

74404

DATE

4/10/26

PRESENTING CLINICAL SIGNS

Occasional issues with circling. Runt of litter. Circling may be behavioral.
Abnormal PE/Chem/CBC/UA Results: Pre Bile Acids 10.3 Post Bile Acids 64.9

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 were noted. Ureteral papillae were normal.

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 left kidney measured approximately 3.0 cm. The right kidney measured approximately 3.0 cm and presented hyperechoic medullary rim sign.

Adrenal Glands

The **adrenal glands** are not visualized.

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 were noted.

Liver

The **liver** was mildly subnormal in size with slight increased portal markings. The gallbladder and common bile duct were unremarkable. Intrahepatic vascularity was of normal volume. Hepatic veins and vena cava appeared to have normal contour, flow, and volumes.

Gastrointestinal

There was some residual chyme and gas was noted in the **stomach**, yet not pathological. This is consistent with end post prandial presentation. Transit of chyme into the small intestine was normal. Curvilinear patterns were maintained throughout the GI tract. No evidence of pathology. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

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.



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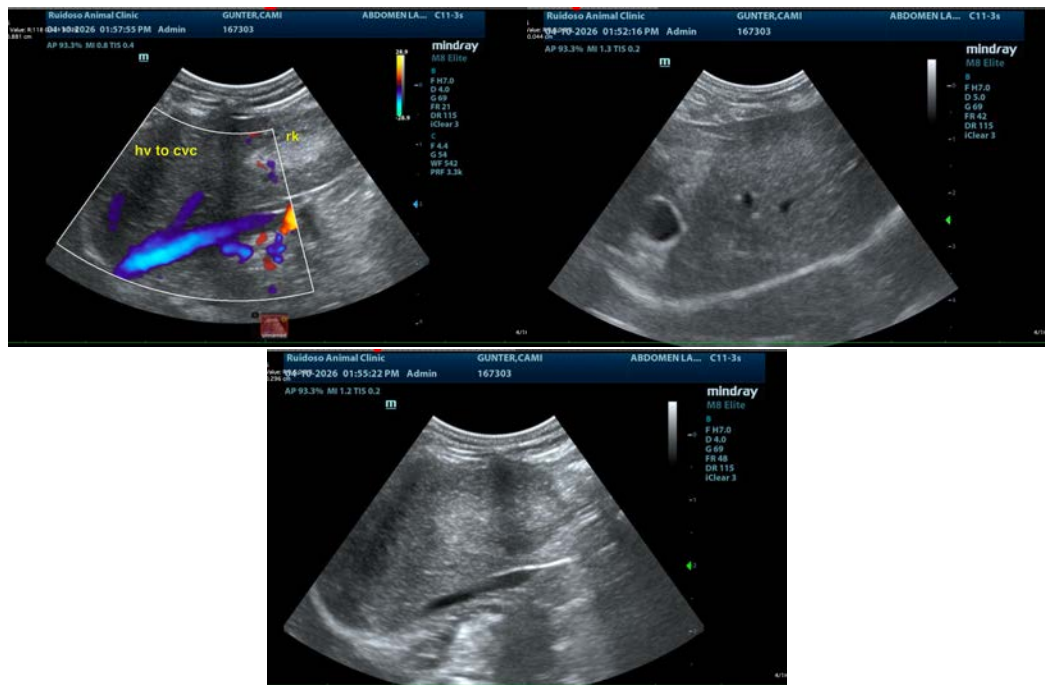
4/10/26

ULTRASONOGRAPHIC FINDINGS

- Hyperechoic medullary rim sign right kidney.
- Mildly subnormal liver size.
- Partially full stomach.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No obvious portosystemic shunting. I can completely rule out intrahepatic shunting. However, I cannot completely rule out extrahepatic shunting, as the clear views of the portal vein were not evident. Microvascular dysplasia/portal hypoplasia most likely, given the bile acid profile and the liver presentation. However, I cannot completely rule out the potential of gastro-azygos or spleno-azygos shunting. Further views are necessary.



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(CFM), Cert. IVUSS,
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