



PATIENT

Brandy Gerard

SPECIES

Canine

BREED

Border Collie

SEX

Spayed Female

AGE

10 Years

WEIGHT

50 Pounds

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

HOSPITAL NAME

All Creatures Great & Small Denville

REFERRING VET

Dr. Mitrovic

INVOICE

41411

DATE

9/16/22

PRESENTING CLINICAL SIGNS

Concern for chronic kidney disease.

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 pelvic urethra was imaged 3.0 cm beyond the cystourethral junction.

The **kidneys** presented moderate degenerative changes with increased cortical echogenicity and irregular contour with subnormal power doppler assessment. Slight pyelectasia noted with corticomedullary and pelvic calculi, non-obstructive at the time of the sonogram. The kidneys measured 5.22 cm each.

Adrenal Glands

The **right adrenal gland** was normal in size to slightly enlarged, measuring 2.3 cm x 1.34 cm at the cranial pole and 0.94 cm at the caudal pole. Slight heterogeneous hyperechoic nodular change noted at the cranial pole.

The **left adrenal gland** presented normal size and contour and measured 2.52 cm x 0.69 cm at the cranial pole and 0.66 cm at the caudal pole.

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** 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.

Gastrointestinal

Minor **gastric** thickening noted. The small intestine and colon were unremarkable.

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

- Moderate degenerative renal changes, non-specific with pyelectasia and mineralization



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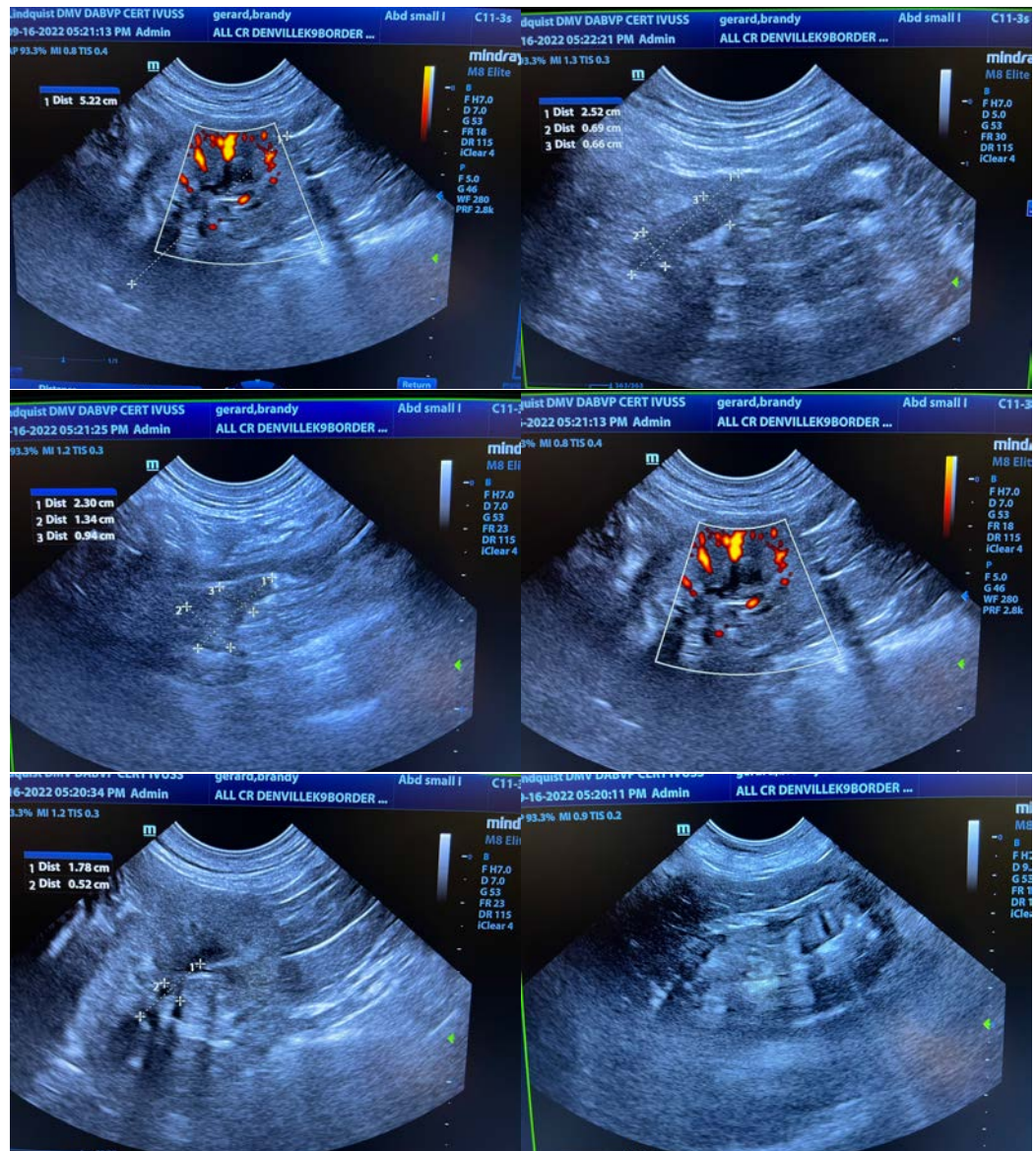
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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Assessment for UTI +/- culture warranted. Blood pressures indicated. Renal oriented diet warranted. Otherwise, no evidence of pathology. GI protectants might be indicated depending on azotemia and if the patient is anorexic, given the minor gastric hypertrophy.





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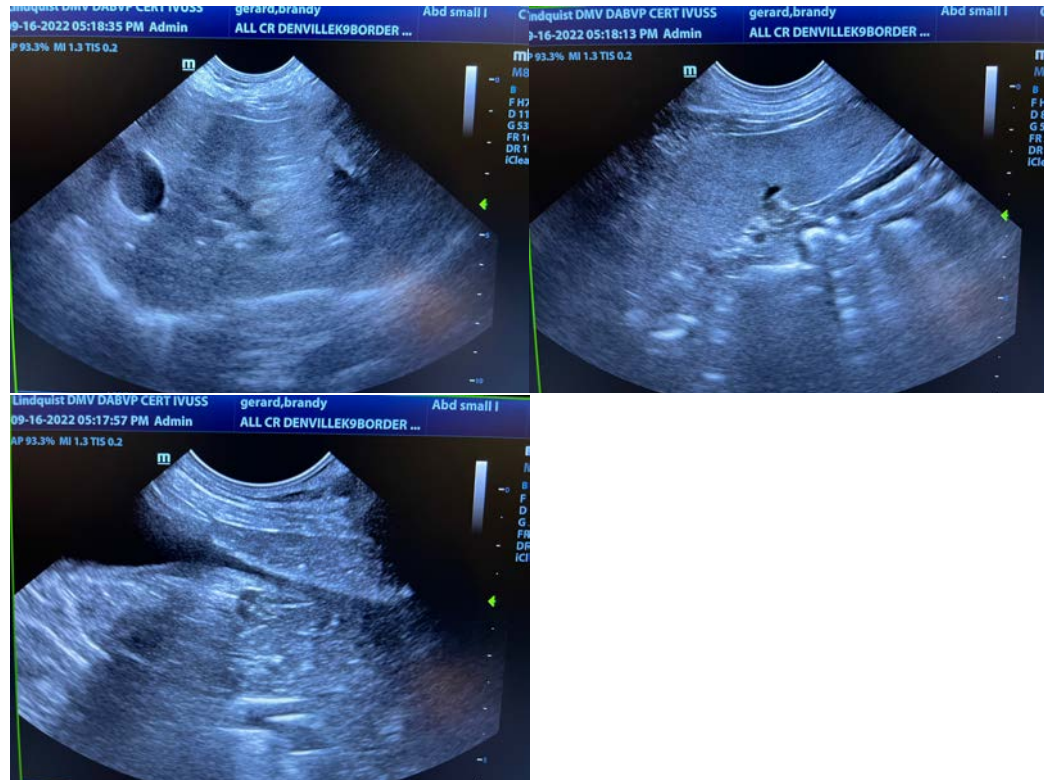
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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