



PATIENT PRESENTING CLINICAL SIGNS

Daisy Swayne Feldman

History: weight loss (very thin dog) anorexia right now but has been intermittent (periods of wt gain and then wt loss), chronic intermittent vomiting; hx of elevated BUN, Crea and SDMA. On amoxi , Enrofloxacin, cerenia

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: 9/9/21: amyl 1345, BUN 30, glu 130, K+ decr 3.3, WBC 32,000 with neutrophilia; HCT 57%, HGB 19, MCH 25, platelets increased 570. Most recent USPG 1.025; ACTH stim WNL.

BREED

Pointer Cross Border Collie

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Urinary System

SEX

Spayed Female

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.

AGE

3 years

The **kidneys** revealed significant disrupted architecture, thickened, irregular cortices and disorganized pelvises. The kidneys revealed cortical infarcts and remodeling. The kidneys were subnormal in size, mild on the right and moderate to severe on the left. This is most consistent with primary renal dystrophy with secondary degenerative changes. The breeding line should be evaluated for similar changes in the kidney architecture. The right kidney measured 5.52 cm. The left kidney measured 3.2 cm.

WEIGHT

35 lbs

INTERPRETED BY

Eric Lindquist, DMV DABVP, Cert. IVUSS

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 left adrenal gland measured 2.26 x 0.54 cm at the caudal pole and 0.62 cm at the cranial pole. The right adrenal gland measured 2.28 x 0.56 cm at the caudal pole and 1.5 cm at the cranial pole.

IMAGING PERFORMED BY

Diane McFadden, RVT

HOSPITAL NAME

Branchville County Vet

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.

INVOICE

91770

DATE

9/13/21

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



PATIENT

lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

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SPECIES

Gastrointestinal

Canine

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

BREED

Pointer Cross Border Collie

SEX

Spayed Female

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.

AGE

3 years

ULTRASONOGRAPHIC FINDINGS

WEIGHT

35 lbs

Primary renal dystrophy pattern with secondary degenerative changes. End stage degenerative renal disease.

INTERPRETED BY

Eric Lindquist, DMV DABVP, Cert. IVUS

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Supportive care is recommended; however, the prognosis long term is poor. Renal biopsies would be necessary for a definitive diagnosis.

IMAGING PERFORMED BY

Diane McFadden, RVT

HOSPITAL NAME

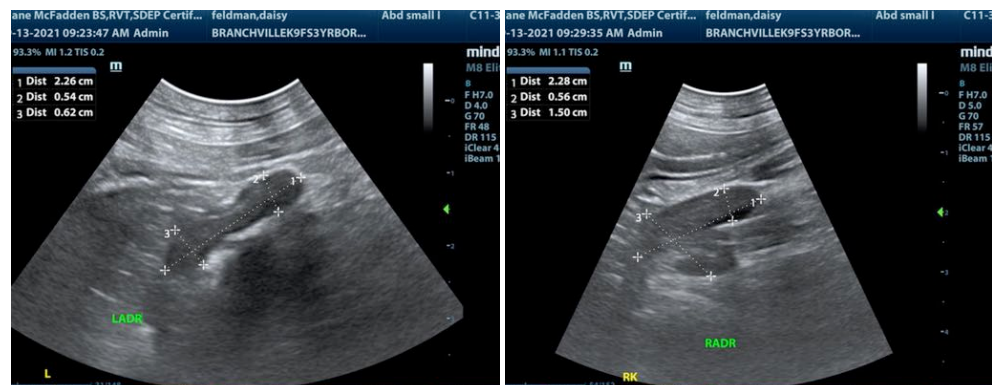
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SPECIES

Canine

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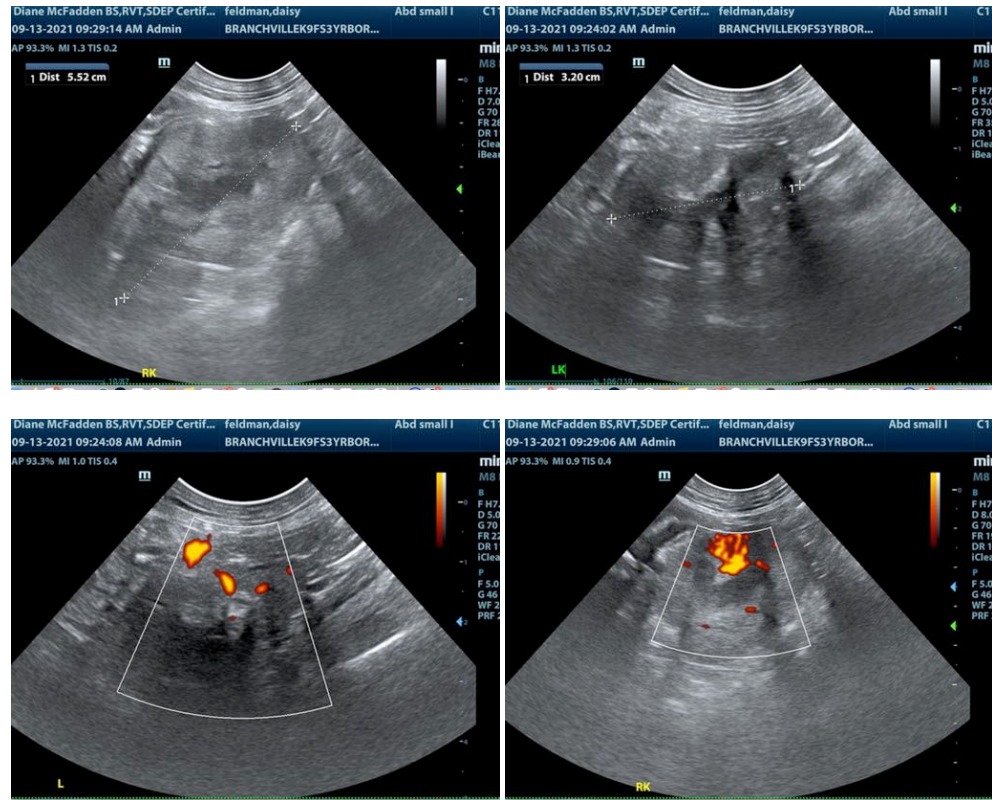
Spayed Female

AGE

3 years

WEIGHT

35 lbs



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The information and recommendations provided are based on the images presented by the referring veterinarian. 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