



PATIENT

Aubrey Billings

PRESENTING CLINICAL SIGNS

Hypoalbuminemia, elevated SDMA.

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: BW (4/28/23) Alb 2.1, TP 5.2, SDMA 17. UA (1/6/2023): SG 1.018, Prot Neg. BW (1/6/2023) Alb 2.3, TP 5.3, SDMA 17. UA and UPC currently pending.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED

Pitbull

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 4 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

SEX

FS

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 5.3 cm in length. The right kidney measured 6.3 cm in length.

AGE

14yr

The area of the aortic trifurcation was free of pathology.

WEIGHT

53lb

Adrenal Glands

The bilateral adrenal glands were normal in size. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia. The left adrenal gland measured 3.2 cm length and 0.83 cm width in the caudal pole. The right adrenal gland measured 1.9 cm length and 0.76 cm width in the caudal pole.

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

Spleen

The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present without evidence of nodular changes. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. The parenchymal heterogeneity is likely consistent with benign changes such as extramedullary hematopoiesis or age related remodeling with minor potential for inflammatory or neoplastic disease.

IMAGING

PERFORMED BY

Karen Ebersole, DVM,
DABVP
(Canine/Feline
Practice)

Liver/Gallbladder

The liver presented enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with primarily anechoic luminal content. No evidence of gallbladder or peripheral gallbladder inflammation was present. The cystic and common bile ducts were normal.

HOSPITAL NAME

Scanvet

REFERRING VET

Dr. Chadbourne

Gastrointestinal

INVOICE

13667ag

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.

DATE

05/01/2023



PATIENT

Aubrey Billings

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. Mild segmental hyperechoic jejunal mucosal speckling was present with minor areas of possible jejunal ileus. No loss of intestinal wall layering or intestinal masses. The lumen of the small intestine was empty with no signs of obstruction or foreign material.

SPECIES

Canine

Normal visible colon wall layers were present with apparent formed feces in lumen.

Pancreas

BREED

Pitbull

The parenchyma of the left limb, body and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease was evident.

Free Abdomen

SEX

FS

No omental masses, overt lymphadenopathy or peritoneal effusion was present.

AGE

14yr

ULTRASONOGRAPHIC FINDINGS

- Sonographically normal urinary bladder.
- Mild expected age related renal changes.
- Mild hepatic parenchymal remodeling.
- Gallbladder debris (non-mucocele).
- Intact GI wall layering with mild non-specific hyperechoic jejunal mucosal speckling.

WEIGHT

53lb

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Largely a geriatric abdomen with no overt evidence of significant abdominal visceral pathology. No evidence of intra-abdominal neoplastic criteria. Correlation with pending UA and UPC level is recommended to assess for evidence of proteinuria.

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

The jejunal mucosal speckling is of unclear clinical significance given lack of reported GI signs/weight loss. Given no sonographic evidence of hepatic pathology and if no evidence of renal protein loss, potential early or mild chronic intestinal protein loss could be a consideration. A GI panel to include PLI/TLI/Cobalamin/Folate could be considered to assess for occult intestinal disease.

IMAGING PERFORMED BY

Karen Ebersole, DVM,
DABVP
(Canine/Feline
Practice)

Pending additional diagnostics, minoring of ALB and for evidence of GI signs/weight loss would be reasonable.

HOSPITAL NAME

Scanvet

REFERRING VET

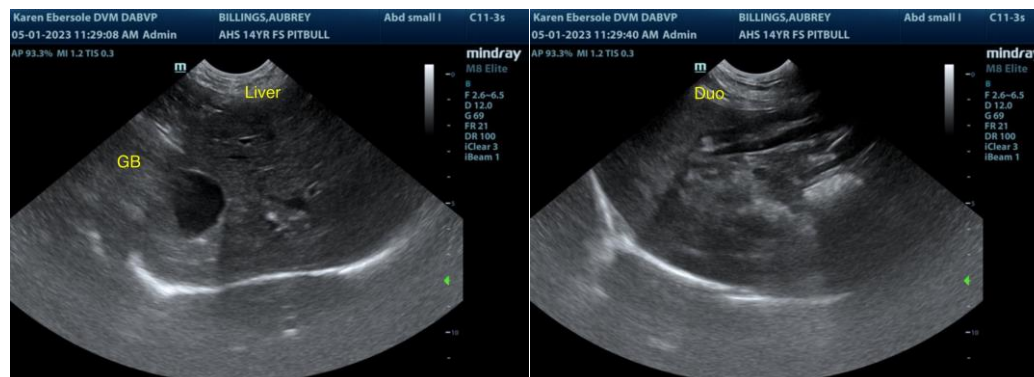
Dr. Chadbourne

INVOICE

13667ag

DATE

05/01/2023





PATIENT

Aubrey Billings

SPECIES

Canine

BREED

Pitbull

SEX

FS

AGE

14yr

WEIGHT

53lb

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

IMAGING PERFORMED BY

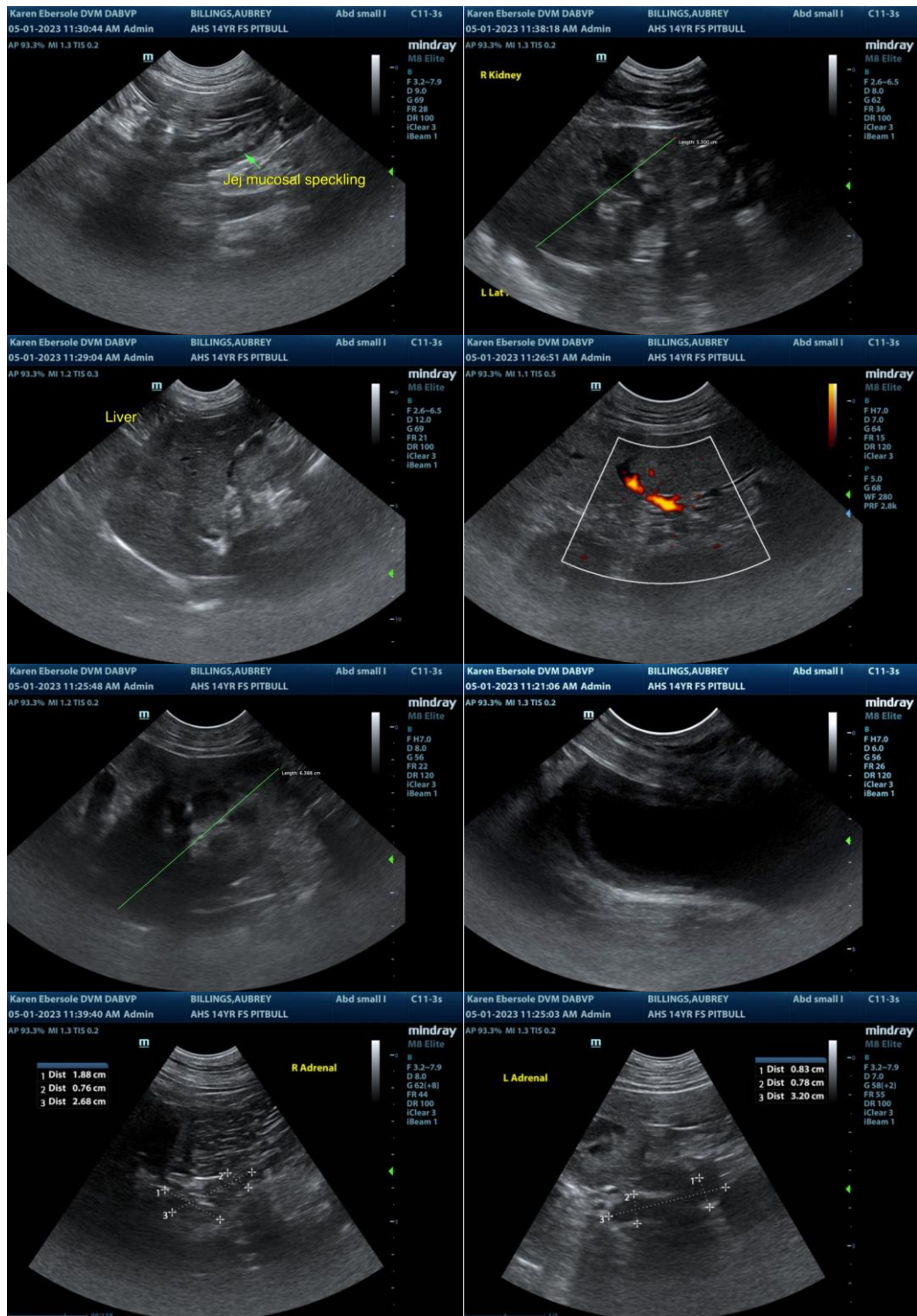
Karen Ebersole, DVM,
DABVP
(Canine/Feline Practice)

HOSPITAL NAME

Scanvet

REFERRING VET

Dr. Chadbourne



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.

INVOICE

13667ag

DATE

05/01/2023



PATIENT

Aubrey Billings

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.

SPECIES

Canine

R. McKenzie Daniel, DVM, DABVP (Canine/Feline Practice)

mac.daniel@sonopath.com

BREED

Pitbull

SEX

FS

AGE

14yr

WEIGHT

53lb

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

**IMAGING
PERFORMED BY**

Karen Ebersole, DVM,
DABVP
(Canine/Feline
Practice)

HOSPITAL NAME

Scanvet

REFERRING VET

Dr. Chadbourne

INVOICE

13667ag

DATE

05/01/2023