



PATIENT PRESENTING CLINICAL SIGNS

Emma Bunn Elevated ALT.
 Medication: Cetirizine, phenylpropanolamine

SPECIES
 ALT 130

Canine

BREED ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Golden Retriever Mix

SEX Urinary System

FS The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 5.0 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. No evidence of mineral or calculi was noted. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes was noted.

AGE The area of the aortic trifurcation was free of pathology.

2011 Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation. The left kidney measured 6.3 cm in length. The right kidney measured 6.7 cm in length.

WEIGHT
 55.4

Adrenal Glands

INTERPRETED BY The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.65 cm width at the caudal pole and 0.72 cm width at the cranial pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.52 cm width at the caudal pole.
 R. McKenzie Daniel, DVM, DABVP (Canine and Feline)

IMAGING PERFORMED BY Spleen

Rebekah Jakum, CVT ARDMS/RVT The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. 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. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted.

HOSPITAL NAME Liver/ Gallbladder
 Alburdis AH

REFERRING VET The liver was subjectively normal in size. Subjective mildly rounded caudate liver lobe was noted. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were normal in appearance without signs of congestion. Normal hepatic vascular volume was noted.
 Dr. Smith

INVOICE The gallbladder was non-distended in size containing primarily anechoic content with mild gallbladder debris. The cystic and common bile ducts were normal.
 16792

DATE
 5/10/23



PATIENT *Gastrointestinal*

Emma Bunn 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.

SPECIES The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction, or foreign material.

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

BREED *Pancreas*

Golden Retriever Mix 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 were evident.

SEX *Free Abdomen*
FS

AGE No overt lymphadenopathy or peritoneal effusion was present.

2011 **ULTRASONOGRAPHIC FINDINGS**

- Low-grade hepatopathy - benign
- Mild gallbladder sludge (non mucocele)
- Mild age-related renal changes

WEIGHT **INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

55.4 Overall, there was no sonographic evidence of significant visceral pathology with mild age-related intraabdominal changes present. Although nonspecific, the liver may suggest low-grade nonspecific inflammatory hepatopathy, given the mild elevated ALT, yet no evidence of structural hepatic pathology or decreased vascular volume.

INTERPRETED BY

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

IMAGING PERFORMED BY

Rebekah Jakum, CVT
ARDMS/RVT

Screening hepatic FNA cytology could be considered, assuming normal clotting status primarily to assess for evidence of inflammatory criteria. Hepatosupportive medications including Denamarin and Ursodiol may prove beneficial. Sonographic reassessment of the liver and gallbladder is suggested if progressive hepatic enzyme elevations are noted.

HOSPITAL NAME

Alburtis AH

REFERRING VET

Dr. Smith

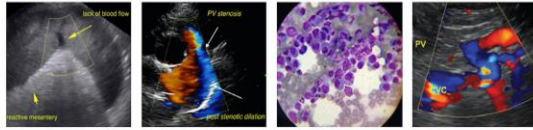
INVOICE

16792

DATE

5/10/23





PATIENT

Emma Bunn

SPECIES

Canine

BREED

Golden Retriever Mix

SEX

FS

AGE

2011

WEIGHT

55.4

INTERPRETED BY

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

IMAGING PERFORMED BY

Rebekah Jakum, CVT
ARDMS/RVT

HOSPITAL NAME

Alburtis AH

REFERRING VET

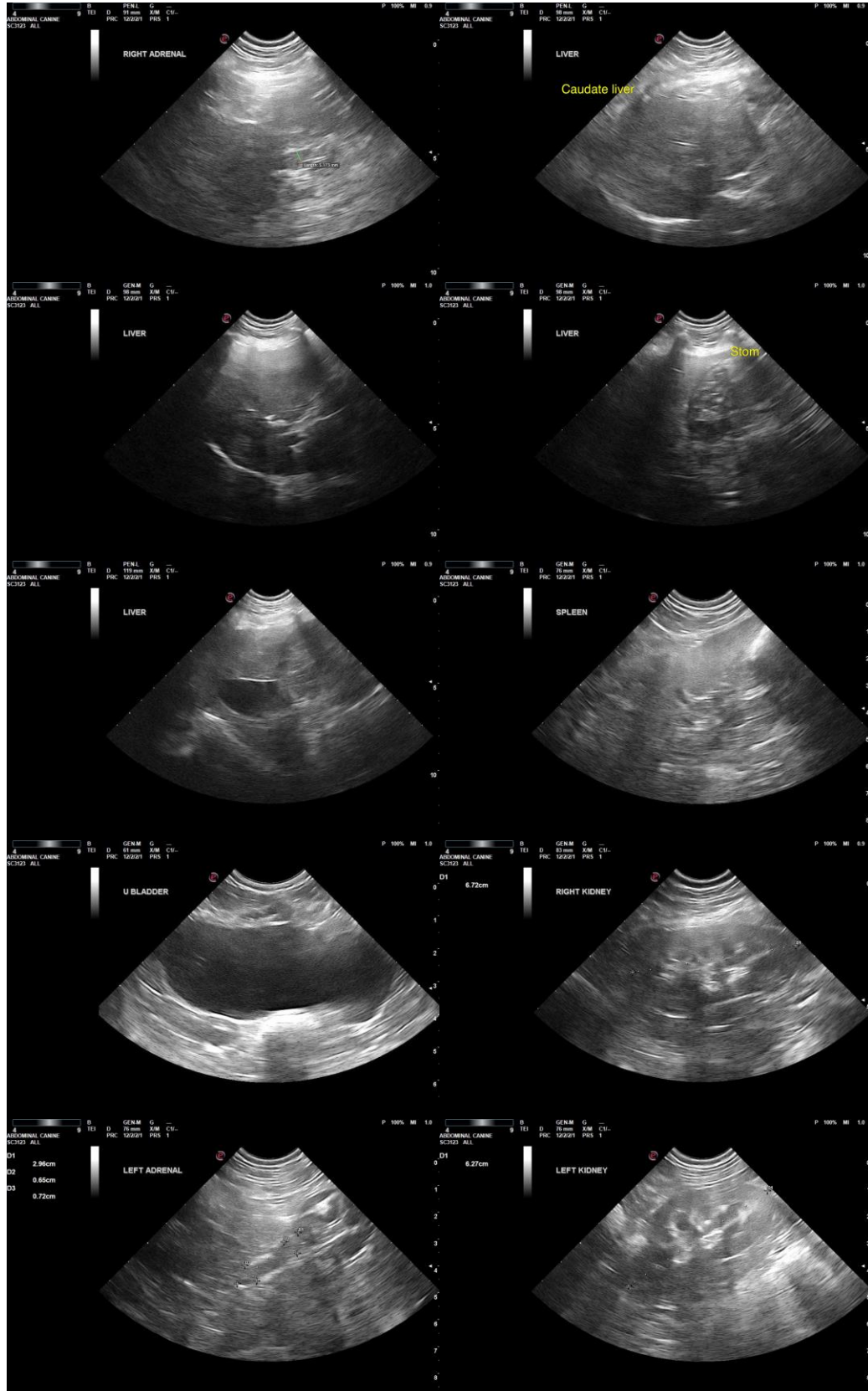
Dr. Smith

INVOICE

16792

DATE

5/10/23





PATIENT

Emma Bunn

SPECIES

Canine

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.

BREED

Golden Retriever Mix

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.

SEX

R. McKenzie Daniel, DVM, DABVP (Canine/Feline Practice)
mac.daniel@sonopath.com

FS

AGE

2011

WEIGHT

55.4

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Rebekah Jakum, CVT
ARDMS/RVT

HOSPITAL NAME

Alburtis AH

REFERRING VET

Dr. Smith

INVOICE

16792

DATE

5/10/23