



PATIENT

Spike Menshaw

SPECIES

Canine

BREED

French Bulldog

SEX

M

AGE

5yr

WEIGHT

25.7

INTERPRETED BY

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

IMAGING PERFORMED BY

Christina Wagner

HOSPITAL NAME

Angeles Clinic for
Animals

REFERRING VET

Christina Wagner

INVOICE

24247

DATE

03/17/2026

PRESENTING CLINICAL SIGNS

- eval for ALT elevation. First noted in Aug 2025.
- Cryptorchid - left testicle in inguinal area
- Currently being managed for IVDD
- Abnormal PE/Chem/CBC/UA Results: CBC - recent neutrophilia 16376 with lymphocytopenia 712 Chem - BUN most recently 0.8 but was 12 in august; ALT currently 3761; was 781 in Oct at 584 in August.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no evidence of urine/lumen sediment, mineral, or calculi. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes was noted.

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 5.3 cm in length. The right kidney measured 6.0 cm in length.

The area of the aortic trifurcation was free of pathology.

The prostate was enlarged in size with intact, symmetrical capsule contour. The margins of the gland were intact and able to be differentiated from the surrounding tissue. The prostatic parenchyma was mildly echogenic to heteroechoic without parenchymal mineralization. The prostate measured 3.5 cm in diameter.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.57 cm width at the caudal pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.60 cm width at the caudal pole.

Spleen

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.

Liver/Gallbladder

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. Normal vascular volume. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and mild gravity dependent, non-organized debris. The cystic and common bile ducts were normal.



PATIENT

Spike Menshaw

SPECIES

Canine

BREED

French Bulldog

SEX

M

AGE

5yr

WEIGHT

25.7

INTERPRETED BY

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

IMAGING PERFORMED BY

Christina Wagner

HOSPITAL NAME

Angeles Clinic for
Animals

REFERRING VET

Christina Wagner

INVOICE

24247

DATE

03/17/2026

Gastrointestinal

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.

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 mechanical/metabolic ileus, obstruction or foreign material.

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

Pancreas

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

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

ULTRASONOGRAPHIC FINDINGS

Primary

- Hepatopathy with subjective adequate vascular volume
- Mild non-organized gallbladder debris (non-mucocele)
- Normal bilateral adrenal glands
- Normal kidneys/urinary bladder -no evidence of renal/bladder mineral or calculi
- Benign prostatic hyperplasia

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No overt evidence of intrahepatic or extrahepatic macroscopic shunt was visualized. Primary hepatic parenchymal disease i.e. non-specific inflammatory hepatopathy or hepatotoxicosis in conjunction with ALT elevation with potential for microvascular dysplasia/portal hypoplasia is possible. Assuming normal clotting status and using a 25g needle, a hepatic FNA for screening cytology and bile acid profile may be considered for further assessment.

Definitive diagnosis would require hepatic biopsies for histopathology and copper assessment. If significant elevated post prandial bile acids, gold standard CT with contrast would be ideal. Hepatosupportive medications may prove beneficial.



PATIENT

Spike Menshaw

SPECIES

Canine

BREED

French Bulldog

SEX

M

AGE

5yr

WEIGHT

25.7

INTERPRETED BY

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

IMAGING PERFORMED BY

Christina Wagner

HOSPITAL NAME

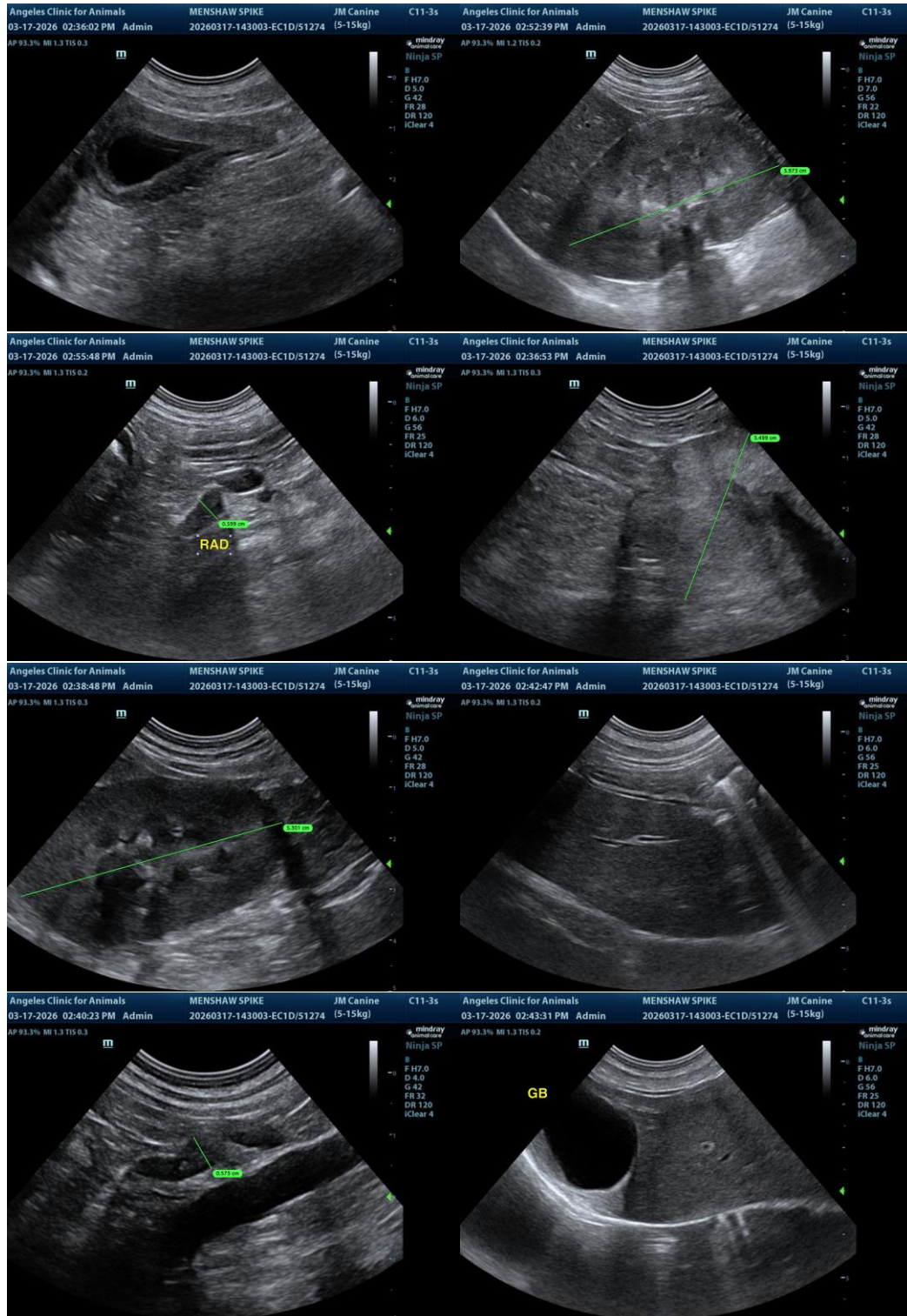
Angeles Clinic for
Animals

REFERRING VET

Christina Wagner

INVOICE
24247

DATE
03/17/2026



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



PATIENT

Spike Menshaw

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.

SPECIES

Canine

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

BREED

French Bulldog

SEX

M

AGE

5yr

WEIGHT

25.7

INTERPRETED BY

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

IMAGING PERFORMED BY

Christina Wagner

HOSPITAL NAME

Angeles Clinic for
Animals

REFERRING VET

Christina Wagner

INVOICE 24247

DATE
03/17/2026