



PATIENT PRESENTING CLINICAL SIGNS

Tami Stone elevated ALP
Abnormal PE/Chem/CBC/UA Results: 8/3/21 Recheck ALP = 305 (5-131) 5/5/21 previously ALP = 158 (5-131)

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED

Pekingese

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 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

Spayed Female

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 right kidney measured 4.2 cm. The left kidney measured 3.6 cm.

AGE

5.5 Years

The area of the aortic trifurcation was free of pathology.

WEIGHT

12.4 Pounds

Adrenal Glands

Focal, well defined, hyperechoic nodules were present in the mid to cranial pole of both the left and right adrenal glands with mild associated symmetrical capsule expansion. The nodules did not exhibit signs of mineralization or vascular invasion. These are likely suggestive of a benign process such as adenoma, granuloma or myelolipoma if no clinical signs of adrenal disease are currently present. Potential emerging aggressive neoplasia cannot be ruled out. Therefore, recheck ultrasound every 3-6 months is suggested to monitor for changes in size or appearance. A screening blood pressure is suggested. The left adrenal gland measured 0.85 cm at the cranial pole and 0.52 cm at the caudal pole. The left adrenal nodule in the mid to cranial aspect measuring 0.96 cm x 0.85 cm. The right adrenal gland measured 0.89 cm at the cranial pole and 0.67 cm at the caudal pole. The right adrenal nodule in the mid to cranial aspect measuring 0.67 cm x 0.47 cm.

INTERPRETED BY

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

IMAGING PERFORMED BY

Heidi Putnam

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.

HOSPITAL NAME

VCA McKenzie AH

REFERRING VET

Dr. Arpaia

Liver

The liver exhibited subjective mild generalized enlargement. 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 mild, echogenic, nonmineralized biliary sludge. The cystic duct and common bile ducts were normal without evidence of dilation.

INVOICE

25172

DATE

9/3/21



PATIENT *Gastrointestinal*

Tami Stone The stomach presented intact wall layering with a normal wall layer ratio. Minor retained echogenic ingesta and chyme present.

SPECIES

Canine

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.

BREED

Pekingese

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

SEX

Spayed Female

Pancreas

The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia.

AGE

5.5 Years

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

WEIGHT

12.4 Pounds

ULTRASONOGRAPHIC FINDINGS

- Benign hepatopathy
- Bilateral non-specific adrenal nodules
- Minor gallbladder debris
- Subtle heterogeneous pancreas

INTERPRETED BY

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

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The overall appearance of the liver is consistent with benign hepatopathy. Primary consideration for potential idiopathic vacuolar hepatopathy or minor non-clinical cholestasis (given the ALP elevation and presence of minor gallbladder debris). Potential for inflammatory hepatic parenchymal disease also possible. No overt indication of neoplasia. Hepatosupportive medications and Ursodiol with recheck hepatic enzyme levels in 30 days may prove beneficial.

IMAGING PERFORMED BY

Heidi Putnam

HOSPITAL NAME

VCA McKenzie AH

The bilateral adrenal nodules may suggest bilateral adenomas. However, the possibility of emerging neoplasia (although considered less likely) such as pheochromocytoma, adenocarcinoma or other cannot be definitively excluded. Serial sonographic monitoring of the adrenal nodules with initial recheck in 4-6 weeks for evidence of progression would be appropriate. The possibility of functional adrenal nodules is considered less likely given the lack of reported clinical signs suggestive of adrenal disease.

REFERRING VET

Dr. Arpaia

INVOICE

25172

DATE

9/3/21



PATIENT

Tami Stone

SPECIES

Canine

BREED

Pekingese

SEX

Spayed Female

AGE

5.5 Years

WEIGHT

12.4 Pounds

INTERPRETED BY

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

IMAGING PERFORMED BY

Heidi Putnam

HOSPITAL NAME

VCA McKenzie AH

REFERRING VET

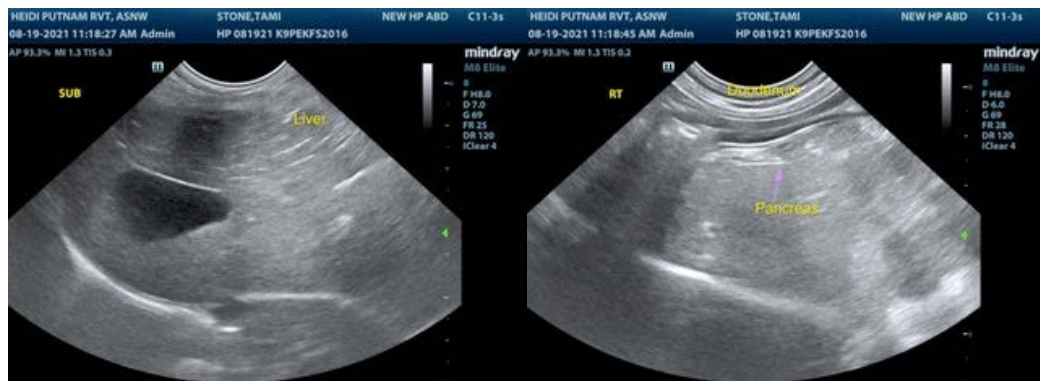
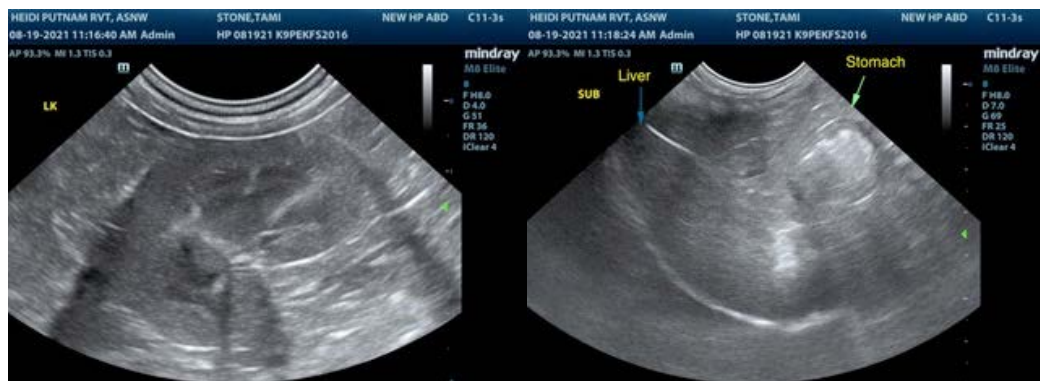
Dr. Arpaia

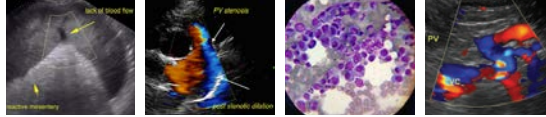
INVOICE

25172

DATE

9/3/21





PATIENT

Tami Stone

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.

SPECIES

Canine

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.

BREED

Pekingese

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

SEX

Spayed Female

AGE

5.5 Years

WEIGHT

12.4 Pounds

INTERPRETED BY

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

IMAGING PERFORMED BY

Heidi Putnam

HOSPITAL NAME

VCA McKenzie AH

REFERRING VET

Dr. Arpaia

INVOICE

25172

DATE

9/3/21