



PATIENT PRESENTING CLINICAL SIGNS

Mia Pena
Pet has had an elevated alk phos for the last 2 years. It has been gradually increasing. She is not symptomatic. It was discovered on routine pre dental blood work. Owner is a vet tech at our hospital. She has been monitoring chemistry profiles every 6 months. The rest of the profile and CBC is WNL. Pet is not showing any symptoms of Cushings disease.

Canine

Abnormal PE/Chem/CBC/UA Results: Normal physical exam. Alk phos 862 on August 10th.

BREED

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Maltese

Urinary System

SEX

The bladder, trigone and visible pelvic urethra were normal in tone and thickness. The bladder contents were mainly anechoic with mild echogenic sediment, without visible discrete urolith formation. There was no visible inflammation in the bladder or urethra. The ureters were not visible, which is normal. The urethra was visualized to a distance of 1.0 cm beyond the cystourethral junction.

Spayed Female

AGE

Both kidneys were of a normal size, shape, and position. The capsule was mildly irregular with no capsular expansion. There was mild to moderate increase in cortical echotexture. A slightly asymmetrical 1:3 cortex to medulla ratio was present, with a mild loss of corticomedullary distinction. These changes are largely as expected for the age of the patient. There were variably sized, nonobstructive medullary mineralization without pelvic dilation. The left kidney measured 3.6 cm in length. The right kidney measured 4.2 cm in length.

9 Years

WEIGHT

13.4 Pounds

INTERPRETED BY

The iliac trifurcation was visualized and evaluated with color doppler. There was normal vascular perfusion with no evidence of thrombus formation. There was no iliac lymphadenopathy.

**Karen Ebersole, DVM,
DABVP (Canine and
Feline)**

Adrenal Glands

**IMAGING
PERFORMED BY**

The right adrenal gland was enlarged with an irregular capsule contour. There were heterogenous parenchymal changes that were expansive yet without capsular escape or visible vascular invasion. The right adrenal gland measured 0.8 cm at the caudal pole and 1.4 cm at the cranial pole x 2.4 cm in length.

Laurel Logas

HOSPITAL NAME

The region of the left adrenal gland was free of pathology, the left adrenal gland was indistinctly visualized.

Bradentown VH

Spleen

REFERRING VET

The spleen was normal in size, shape, and position. There was a smooth capsule contour. The parenchyma was finely textured and homogeneous. There were no visible masses, nodules or evidence of infiltrative disease. The vasculature showed no evidence of thrombus and good vascularity with power doppler.

Laurel Logas

INVOICE

23968

Liver/Gallbladder

DATE

The liver was increased in size with a rounded capsule contour. The parenchyma was normal in echogenicity, with a mildly coarse echotexture. The hepatic and portal veins were normal in size and structure, with no visible congestion. The gall bladder was mildly overdistended in size with a moderate amount of echogenic dependent sediment, non-mucocele. The cystic and common bile ducts were free of visible obstruction or inflammation.

8/18/23



PATIENT *Gastrointestinal*

Mia Pena
SPECIES
 Canine
BREED
 Maltese
SEX
 Spayed Female
AGE
 9 Years
WEIGHT
 13.4 Pounds

The stomach was largely empty with normal size shape and position. The stomach wall was normal in thickness and maintained appropriate layering. The small intestine displayed normal curvilinear patterns throughout. Subjectively normal wall thickness and layering was maintained. Normal peristalsis was present. The visible colon wall was normal in thickness and layering, there were no visible masses or focal lesions.

Pancreas

The pancreas was isoechoic to the surrounding mesentery with normal size, shape and capsule contour. There was no evidence of inflammation or masses within the right and left limbs or body of the pancreas. The pancreatic duct was curvilinear without notable deviation.

ULTRASONOGRAPHIC FINDINGS

- Vacuolar hepatopathy pattern in the liver
- Right adrenal cranial pole nodule
- Cortical mineralizations and moderate aging changes in both kidneys
- Gallbladder mild to moderate sludge, non-mucocele

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

If there are any signs of Cushing's disease, then work up for potential adrenal dependent Cushing's disease is recommended. A blood pressure measurement is indicated, and if it is high, then run urine catecholamines to check for possible pheochromocytoma. The changes in the right adrenal could be benign, or functional mass. Adenocarcinoma, pheochromocytoma and adenoma are all possible. Given the mild urinary bladder sediment and renal cortical mineralizations, I would recommend a screening urinalysis and recheck ultrasound in one month, consider mild sedation, if needed, to be able to clearly visualize both adrenals to see if there have been changes.

INTERPRETED BY

Karen Ebersole, DVM,
 DABVP (Canine and
 Feline)

IMAGING PERFORMED BY

Laurel Logas

HOSPITAL NAME

Bradentown VH

REFERRING VET

Laurel Logas

INVOICE

23968

DATE

8/18/23





PATIENT

Mia Pena

SPECIES

Canine

BREED

Maltese

SEX

Spayed Female

AGE

9 Years

WEIGHT

13.4 Pounds

INTERPRETED BY

Karen Ebersole, DVM,
DABVP (Canine and
Feline)

**IMAGING
PERFORMED BY**

Laurel Logas

HOSPITAL NAME

Bradentown VH

REFERRING VET

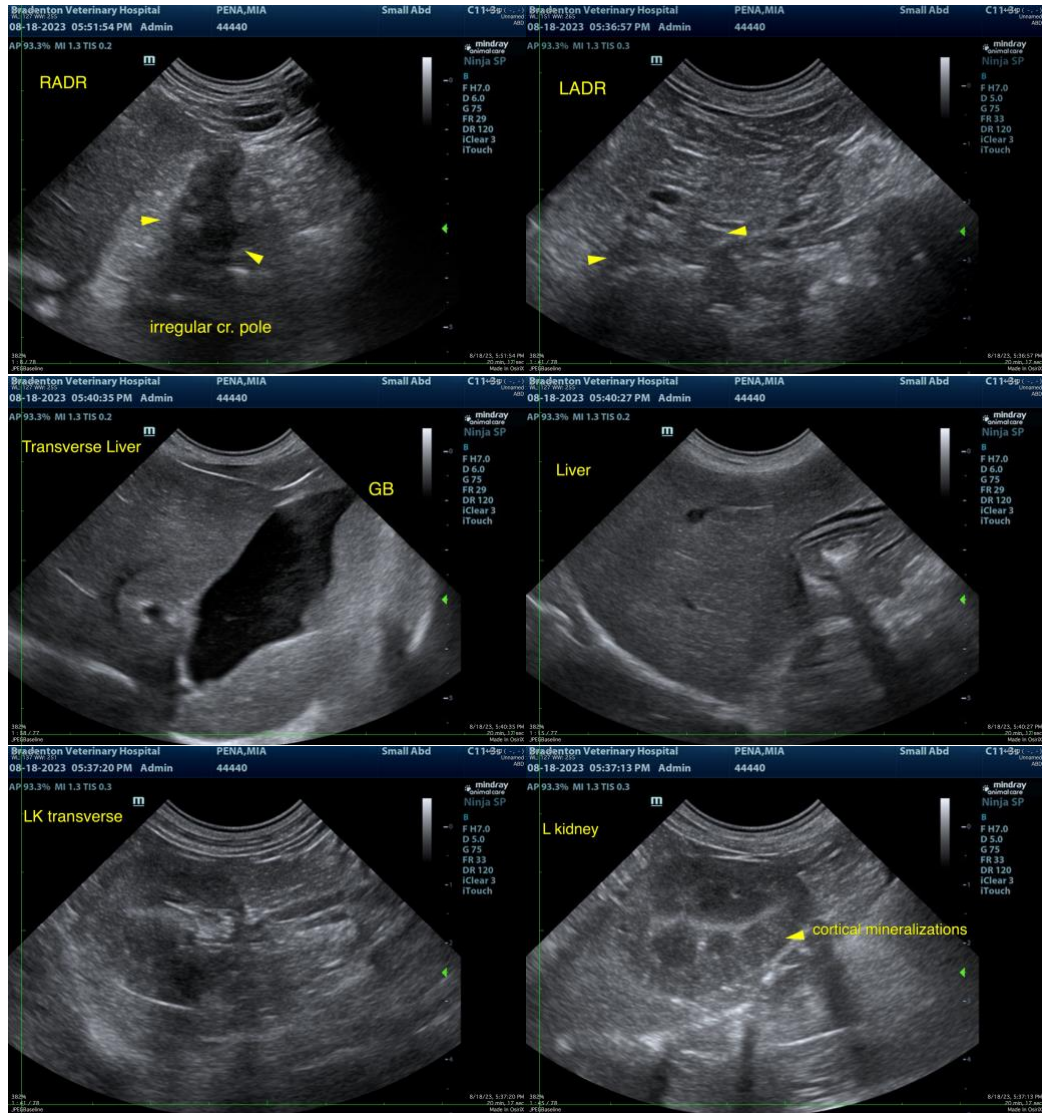
Laurel Logas

INVOICE

23968

DATE

8/18/23



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.

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.

Karen Ebersole, DVM, DABVP (Canine and Feline practice)
info@SonoPath.com