



PATIENT PRESENTING CLINICAL SIGNS

Winnie Mozart
 Mass seen on U/S for cysto incidental finding (at other vet hospital) o debating whether it is "worth" going to surgery
 Abnormal PE/Chem/CBC/UA Results: WBC 3.6, alkphos 520, UA 1.027 trace protein. severe hip OA but exam otherwise unremarkable

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED *Urinary System*

Pomeranian X
 The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes were noted. Ureteral papillae were normal. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction.

SEX

Spayed Female
 The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The left kidney measured 4.26 cm. The right kidney measured 4.53 cm. Pinpoint mineralizations noted in both kidneys.

AGE

10 Years

Adrenal Glands

WEIGHT

27 Pounds

The **left adrenal gland** was visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The left adrenal gland measured 0.50 cm.

INTERPRETED BY

Eric Lindquist, DMV

The region of the **right adrenal gland** was imaged, no evident pathology.

DABVP, Cert. IVUSS

Spleen

IMAGING PERFORMED BY

Dr. Michelle Roche

The **spleen** presented subtle micronodular changes and was folded upon itself caudally. An overt splenic mass was noted measuring 2.8 cm x 4.2 cm. Regional inflammation noted around the spleen. No evidence of metastatic disease.

Liver

HOSPITAL NAME

Fredon AH

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some age-related parenchymal remodeling was noted but likely not clinically significant at this time. The caudal aspect of the left liver presented a pronounced swelling measuring 2.0 cm x 3.0 cm, yet uniform, consistent with a benign lesion. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. The gallbladder presented some dependent debris with essentially normal contour. The cystic and common bile ducts were normal. No overt evidence of active inflammatory, infiltrative or regenerative pathology was noted but should be paired with current or past LE elevations regarding any clinical significance to this presentation. The hepatic lymph nodes were unremarkable.

REFERRING VET

Dr. Michelle Roche

INVOICE

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Gastrointestinal

A minor amount of non-shadowing, non-obstructive ingesta was noted in the **stomach**. Transit of chyme into the small intestine was normal. Curvilinear patterns were maintained throughout the GI tract. No evidence of pathology. Small and large intestine demonstrated normal luminal chyme and stool

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PATIENT

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consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

Pancreas

SPECIES

Canine

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

BREED

Pomeranian X

Free Abdomen

No free fluid noted.

SEX

Spayed Female

- Solitary splenic mass with subtle micronodular changes and regional inflammation – hemangiosarcoma versus round cell neoplasia or possibly benign tumor, yet the mass is precarious, given the regional inflammation.

AGE

10 Years

- Pronounced swelling left caudal liver

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Recommend chest radiographs and rapid echocardiogram to assess for metastatic disease. Splenectomy and liver biopsy indicated. This is a surgical urgency.

WEIGHT

27 Pounds

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SPECIES

Canine

BREED

Pomeranian X

SEX

Spayed Female

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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.

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