



PATIENT

Sandy Masure

SPECIES

Canine

BREED

Chihuahua X

SEX

Spayed Female

AGE

14 Years

WEIGHT

4.2 kg

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dallas Reynolds, LVT

HOSPITAL NAME

Lone Mountain AH

REFERRING VET

Dr. Taylor Parker

INVOICE

17153

DATE

9/2/22

PRESENTING CLINICAL SIGNS

History of emerging gallbladder mucocele. Kidney disease and incontinence. Taking ursodiol and incurin

Abnormal PE/Chem/CBC/UA Results: 8/26/22 BUN 59 CRE 4.1 Magnesium 3.4

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

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 **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some moderate 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.

Adrenal Glands

Both **adrenal glands** were 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.

Spleen

The **spleen** revealed a hyperechoic lipogranulomatous nodule, measuring 0.46 cm.

Liver

The left lateral **liver** revealed a hypoechoic nodule, measuring 0.78 cm. Mild disruption of architecture was noted. This should be monitored or sampled. The gallbladder was mildly overdistended with both dependent and suspended echogenic debris without striation noted, consistent with immature mucocele. The gallbladder was echogenic. Other hepatic nodules were noted.

Gastrointestinal

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

Pancreas

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.

Free Abdomen



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The mid abdomen revealed an intraabdominal isoechoic 4.0 cm **lipoma**.

Sandy Masure

ULTRASONOGRAPHIC FINDINGS

SPECIES

- Hepatic nodular hyperplasia with immature mucocoele formation
- Splenic nodule
- Caudal abdominal lipomas, likely benign
- Age-related renal changes

Canine

BREED

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Chihuahua X

A gallbladder motility study would be ideal. FNA of the hepatic nodules recommended. Ursodiol therapy should be continued if being currently utilized. The kidneys do not appear end stage. Complicating factors, such as leptospirosis, toxin exposure, hypertension and UTI should all be considered.

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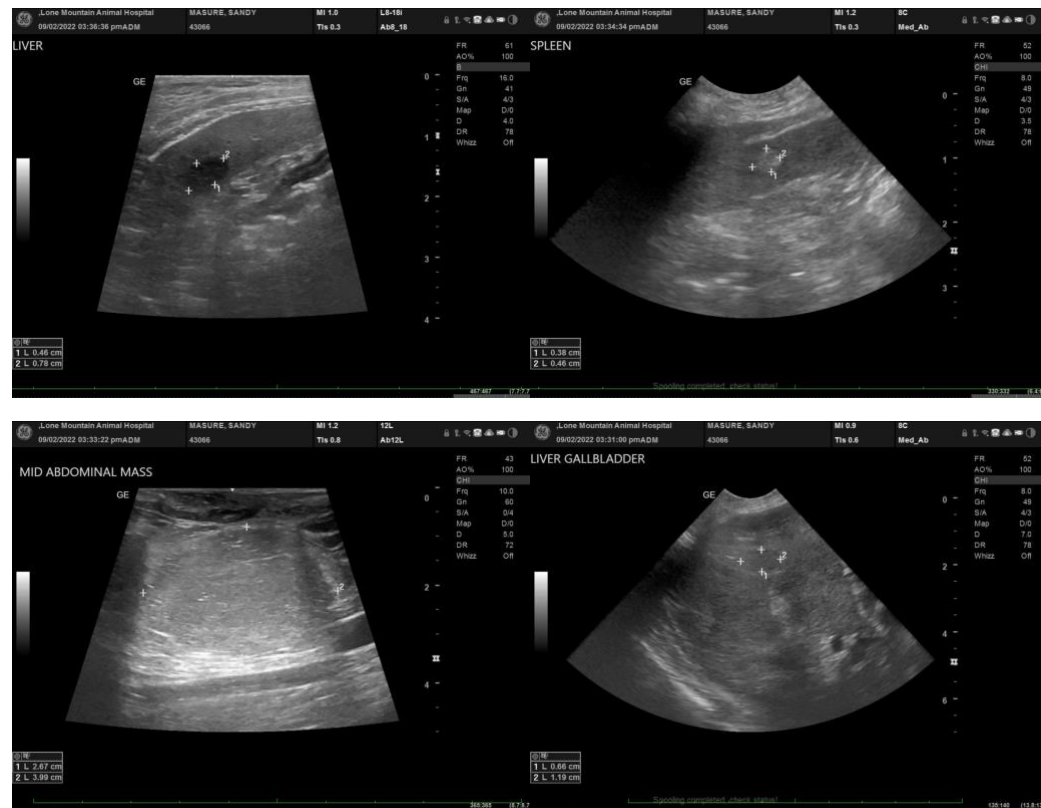
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or I can be of any further assistance please contact me.

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com

info@SonoPath.com