



PATIENT

Macie Mashel

PRESENTING CLINICAL SIGNS

hx of plasma cell neoplasia -hepatic 7/20 vomiting anorexia elevated BUN/Creat

SPECIES

Canine

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.

BREED

Maltese X

The **kidneys** presented a relatively uniform cortical hyperechogenicity when compared to the renal medulla, spleen and liver. No overt masses were noted. Corticomedullary definition was nebulous and the ratio favored the cortex slightly. The ureters were not visible and assumed to be normal. These changes are most consistent with chronic interstitial nephritis yet infiltrative disease could not be entirely ruled out without biopsy though neoplasia is not suspected. The right kidney measured 4.44 cm. The left kidney measured 4.5 cm. Blood flow to the kidneys appeared to be adequate on power doppler assessment.

SEX

Spayed Female

AGE

10 Years

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. The left adrenal gland measured 1.63 cm x 0.6 cm at the caudal pole and 0.68 cm at the cranial pole.

WEIGHT

11

Spleen

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes were noted.

IMAGING PERFORMED BY

Jenn

Liver

HOSPITAL NAME

Rockaway AH

The **liver** in this patient was riddled with multiple nodules and moderately complex masses. Increased portal markings noted. Hepatic masses measured 3.0 cm and 5.0 cm. The gallbladder was unremarkable. A right liver mass measured 4.0 cm. The larger masses derived from the caudomedial liver lobes, non-resectable.

REFERRING VET

Dr. Maniar

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. Soft stool noted in the colon. The gastrointestinal tract was deviated owing to hepatic masses.

INVOICE

24573

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.

DATE

8/12/21



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Macie Mashel

ULTRASONOGRAPHIC FINDINGS

- Multiple hepatic masses – carcinoma versus metastatic disease
- Geriatric abdomen otherwise with interstitial nephrosis renal pattern

SPECIES

Canine

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

FNA of the liver masses warranted for further definition.

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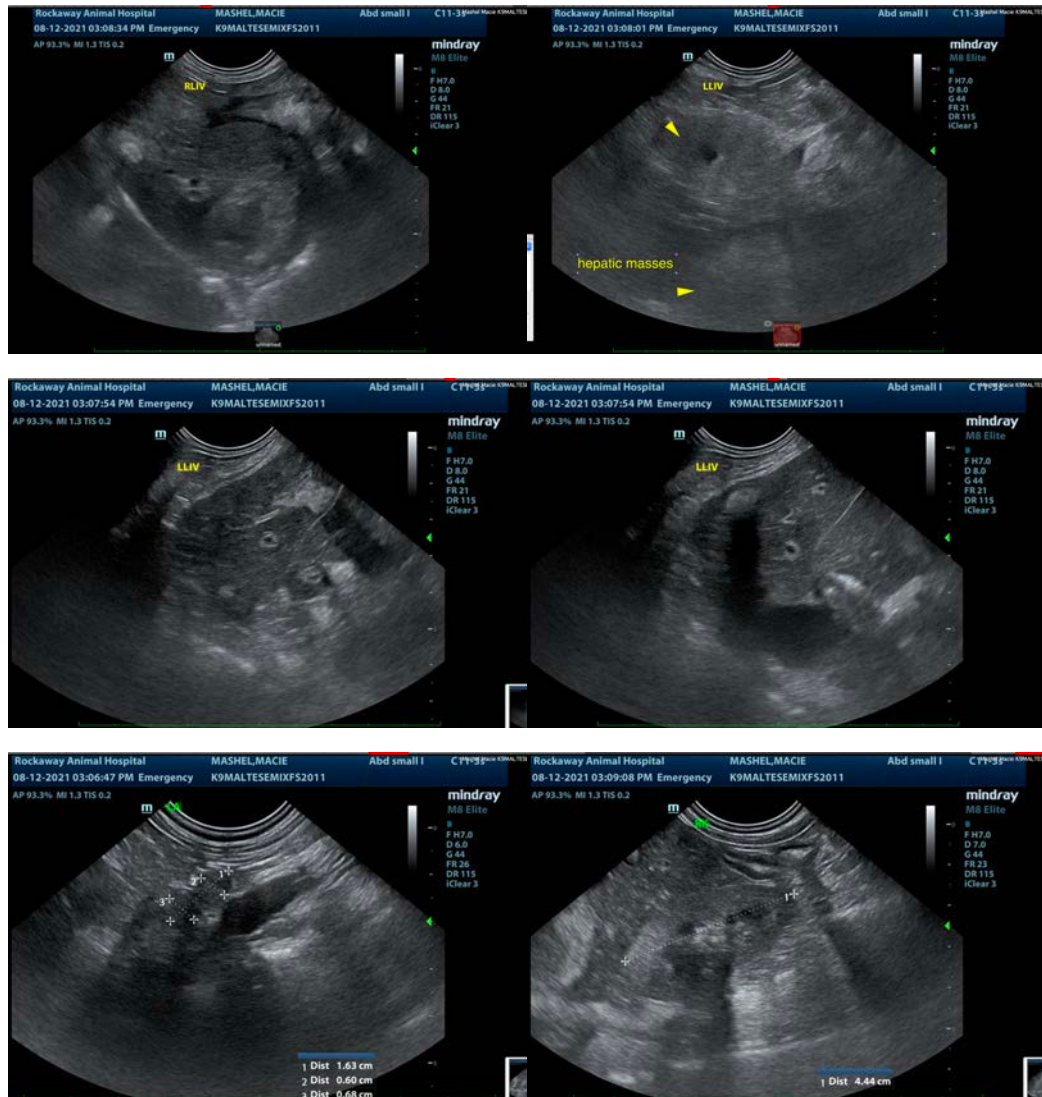
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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