

PATIENT PRESENTING CLINICAL SIGNS

Jasper Miranda

History: Presents for evaluation of distended abdomen. Free fluid present in abdomen. 3,000ml of clear/yellowish fluid aspirated from abdomen via abdominocentesis. P still eating and drinking wnl. O switched food about a week ago, now feeding Merrick (unsure if grain free)
 Abnormal PE/Chem/CBC/UA Results: cbc - WBC 5.45 (6-17), LYM 0.72 (1-4.8), Mon 0.18 (0.2-1.5), Neu 4.34 (3-12), HCT 48%, PLT 194 (165-500) chem - Low normal ALB 2.6 (2.5-4.4), Low normal TP 5.4 (5.4-8.2), low normal glob 2.8 (2.3-5.2), ALP 552 (20-150), AMY 190 (200-1200), BUN 4 (7-25), PHOS 7.9 (2.9-6.6), GLU 129 (60-110) UA - pending Fluid analysis - pending Thoracic xrays appear wnl Weight on presentation 41.5lbs; weight after abdominocentesis 32.5lbs

SPECIES

Canine

BREED

Siberian Husky

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

SEX

Urinary System

Male

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The pelvic urethra was imaged 3.0 cm beyond the cystourethral junction. 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 was noted. Ureteral papillae were normal.

AGE

8 months

WEIGHT

32.5 lbs

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The kidneys measured 5.0 cm each.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

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.

IMAGING PERFORMED BY

Dallas Reynolds, LVT

HOSPITAL NAME

Spleen

Lone Mountain AH

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 was noted.

REFERRING VET

Dr. Munoz

INVOICE

Liver

97228

The **liver** revealed slightly increased portal markings with various parenchymal remodeling. The gallbladder wall was thickened and edematous with coarse architecture in the liver.

DATE

10/7/21



PATIENT

Gastrointestinal

Jasper Miranda

The gastric wall was mildly thickened with a minor amount of retained ingesta and slight free fluid. The small intestine was visualized. The mesenteric lymph nodes measured 2.0 x 1.0 cm and were reactive.

SPECIES

Canine

Pancreas

The **pancreas** was edematous with enhanced surrounding mesentery and swollen, irregular contour.

BREED

Siberian Husky

Free Abdomen

SEX

A moderate amount of ascites was noted in this patient.

Male

ULTRASONOGRAPHIC FINDINGS

AGE

Cholangiohepatitis pattern with early nodular changes. Emerging hepatic failure.

8 months

Free fluid.

Pancreatic edema.

WEIGHT

Mesenteric lymphadenopathy.

32.5 lbs

INTERPRETED BY

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Eric Lindquist, DMV
DABVP, Cert. IVUSS

I suspect portal hypertension. Leptospirosis titers are warranted. FNA or core liver biopsy is recommended. Very guarded prognosis. There was no evidence of neoplasia, yet cannot be completely ruled out. I believe the primary issue is the liver in this patient. Infectious or toxin exposure causing acute on chronic liver insult should be investigated. However, given the free fluid this is concerning as the patient is too old to have physiologic free fluid in the abdomen.

IMAGING PERFORMED BY

Dallas Reynolds, LVT

For an additional charge an internal medicine consult can be utilized through [Sonopath.com](http://sonopath.com). You can select the internal medicine drop down at <http://spa.sonopath.com/>.

HOSPITAL NAME

Lone Mountain AH

One of the world's top internists & SonoPath associate Dr. Remo Lobetti BVSc, MMedVet, PhD, DECVIM can evaluate your case through SonoPath. <https://sonopath.com/resources/sonopath-services/internal-medicine-teleconsultation-services>

REFERRING VET

Dr. Munoz

INVOICE

97228

DATE

10/7/21



PATIENT

Jasper Miranda

SPECIES

Canine

BREED

Siberian Husky

SEX

Male

AGE

8 months

WEIGHT

32.5 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dallas Reynolds, LVT

HOSPITAL NAME

Lone Mountain AH

REFERRING VET

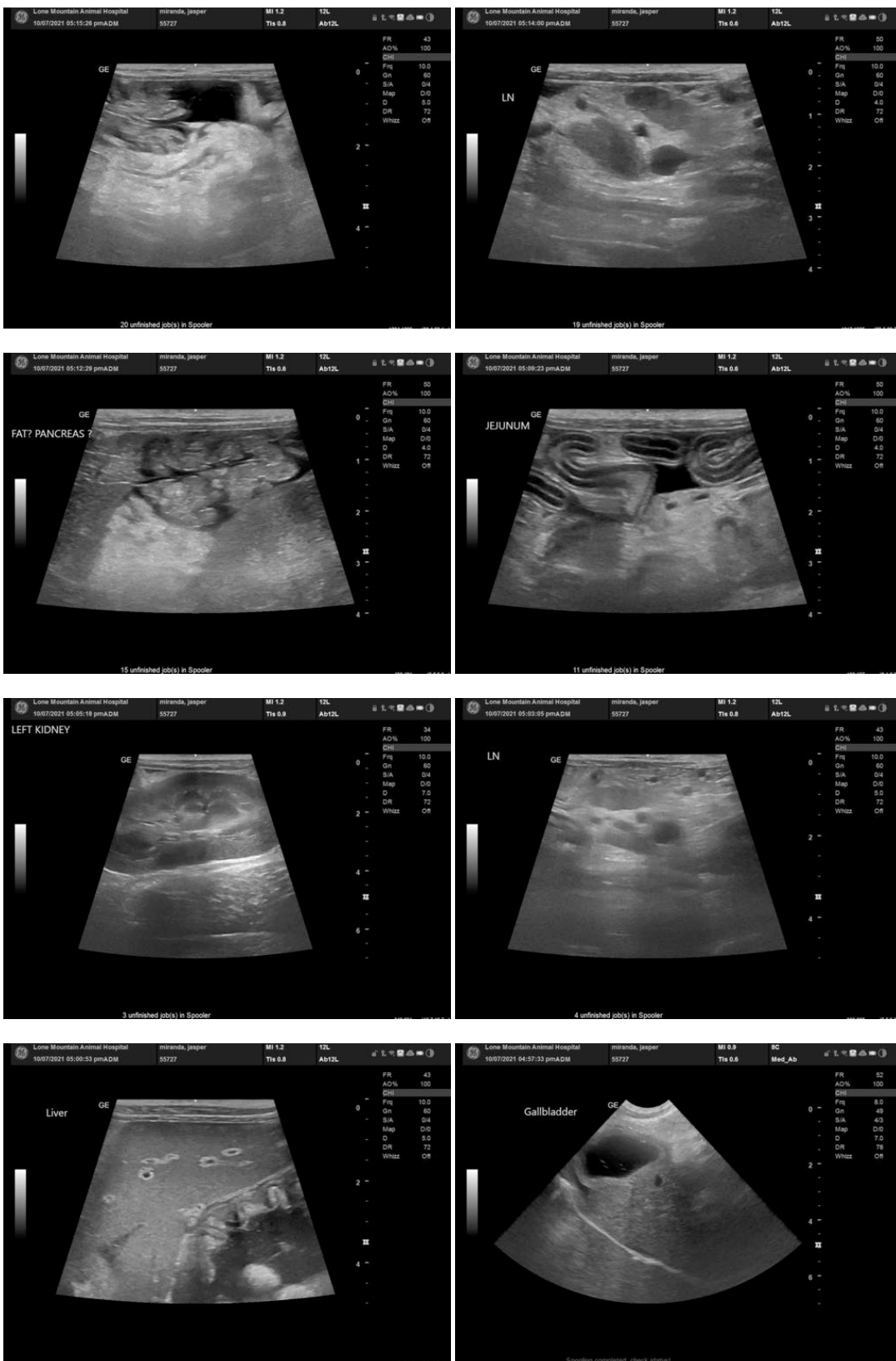
Dr. Munoz

INVOICE

97228

DATE

10/7/21





PATIENT

Jasper Miranda

SPECIES

Canine

BREED

Siberian Husky

SEX

Male

AGE

8 months

WEIGHT

32.5 lbs



INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dallas Reynolds, LVT

HOSPITAL NAME

Lone Mountain AH

REFERRING VET

Dr. Munoz

INVOICE

97228

DATE

10/7/21

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.

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