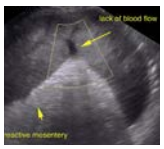
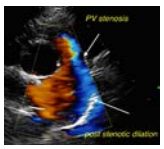
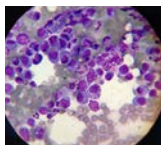
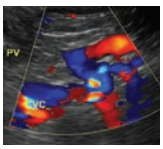
SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™

SonoPath.com
1-800-838-4268 info@sonopath.com

PATIENT
Asha Browne

SPECIES
Canine

BREED
Husky X

SEX
Spayed Female

AGE
11 Years

WEIGHT
23.9 kg

INTERPRETED BY
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)

IMAGING PERFORMED BY
Alejandro Vargas Lumbreras, RVT

HOSPITAL NAME
Central Island Vet Emergency Hospital

REFERRING VET
Dr. Nikolas Bell

INVOICE
38913

DATE
6/20/22

PRESENTING CLINICAL SIGNS

Asha presented tonight for lethargy to the point of just lying down mid walk. Came home from daycare Friday with jelly- like diarrhea. Started vomiting this morning. Has a history of pancreatitis and benign liver masses that were removed but since then has had markedly elevated liver values. Zentonil helps but was stopped as values were back down and now they are elevated again as of 3 weeks ago so zentonil started again.

Abnormal PE/Chem/CBC/UA Results: T = 40.6C. CBC: MCV = 61.5 fL (61.6-73.5), Reticulocytes = 7.1 K/uL (10.0-110.0), Lymphocytes = 0.60 x10^9/L (1.05-5.10), Eosinophils = 0.01x10^9/L (0.06-1.23), PDW = 8.8 fL (9.1-19.4). CHEM: Urea(BUN) = 10.1 mmol/L (2.5-9.6), ALT = 5707 U/L (10-125), ALP = 3868 U/L (23-212), GGT = 33 U/L (0-11), Total Bilirubin = 25 umol/L (0-15), Cholesterol = 13.28 mmol/L (2.84-8.26). Abnormal SNAP cPL.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

The area of the aortic trifurcation was free of pathology.

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The right kidney measured 5.4 cm. The left kidney measured 5.2 cm.

Adrenal Glands

The left and right adrenal glands were not definitively visualized. No overt pathology in the area of the left and right adrenal glands.

Spleen

The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present without evidence of nodular changes. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. The parenchymal heterogeneity is likely consistent with benign changes such as extramedullary hematopoiesis or age related remodeling with minor potential for inflammatory or neoplastic disease.

Liver

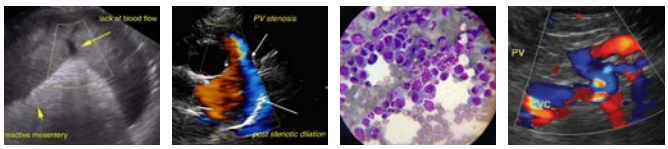
The liver presented moderate to possibly marked generalized enlargement. Areas of capsule asymmetry noted. Generalized non-uniform to mildly mixed echogenic parenchyma noted, exhibiting multifocal variably echogenic to expansive intraparenchymal masses. Example of hypoechoic mass in the subjective ventral liver measured 3.5 cm diameter. Example of larger, non-homogeneous to focally cystic mass in the subjective caudal aspect of the right lateral to caudate liver measured 6.0 cm in diameter.

The gallbladder was non distended in size with mild, echogenic, nonmineralized biliary sludge. The cystic duct and common bile ducts were normal without evidence of dilation. Subtle evidence of perihepatic reactive mesentery. No overt evidence of perihepatic or peritoneal free fluid.

Gastrointestinal

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.

SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™



SonoPath.com™
1-800-838-4268 info@sonopath.com

PATIENT

Asha Browne

SPECIES

Canine

BREED

Husky X

SEX

Spayed Female

AGE

11 Years

WEIGHT

23.9 kg

INTERPRETED BY

R. McKenzie Daniel, DVM, DABVP (Canine and Feline)

IMAGING PERFORMED BY

Alejandro Vargas Lumbreras, RVT

HOSPITAL NAME

Central Island Vet Emergency Hospital

REFERRING VET

Dr. Nikolas Bell

INVOICE

38913

DATE

6/20/22

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material.

Normal visible colon wall layers were present with apparent formed feces in lumen.

Pancreas

The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia.

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

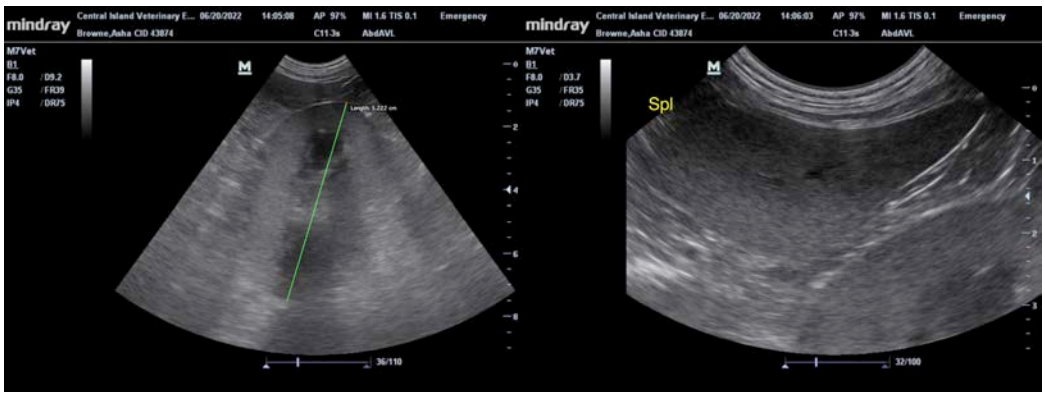
ULTRASONOGRAPHIC FINDINGS

- Mild chronic renal changes
- Non-homogeneous to irregular hepatomegaly exhibiting multifocal variably echogenic masses
- Mild gallbladder debris (non-mucocele)
- Mild heterogeneous pancreas

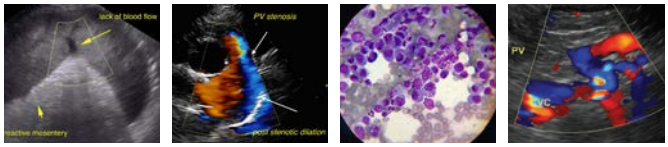
INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The overall hepatic presentation including multiple variably sized to echogenic intraparenchymal masses may indicate recurrence of previous benign masses based on previous histopathology. However, progression of these masses or additional neoplastic etiology could be possible. Resampling of the masses and hepatic parenchyma with ultrasound guided FNA recommended for cytology.

The pancreas was not overtly consistent with active pancreatitis, yet low-grade to chronic pancreatitis, which may present as sonographically normal, could be possible. Likewise, possible mild gastroenterocolitis, given the diarrhea with mucus and vomiting, could be possible. As needed gastrointestinal supportive care recommended. 3-view chest radiographs suggested if not done.



SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™



SonoPath.com
1-800-838-4268 info@sonopath.com

PATIENT

Asha Browne

SPECIES

Canine

BREED

Husky X

SEX

Spayed Female

AGE

11 Years

WEIGHT

23.9 kg

INTERPRETED BY

R. McKenzie Daniel, DVM, DABVP (Canine and Feline)

IMAGING PERFORMED BY

Alejandro Vargas Lumbreras, RVT

HOSPITAL NAME

Central Island Vet Emergency Hospital

REFERRING VET

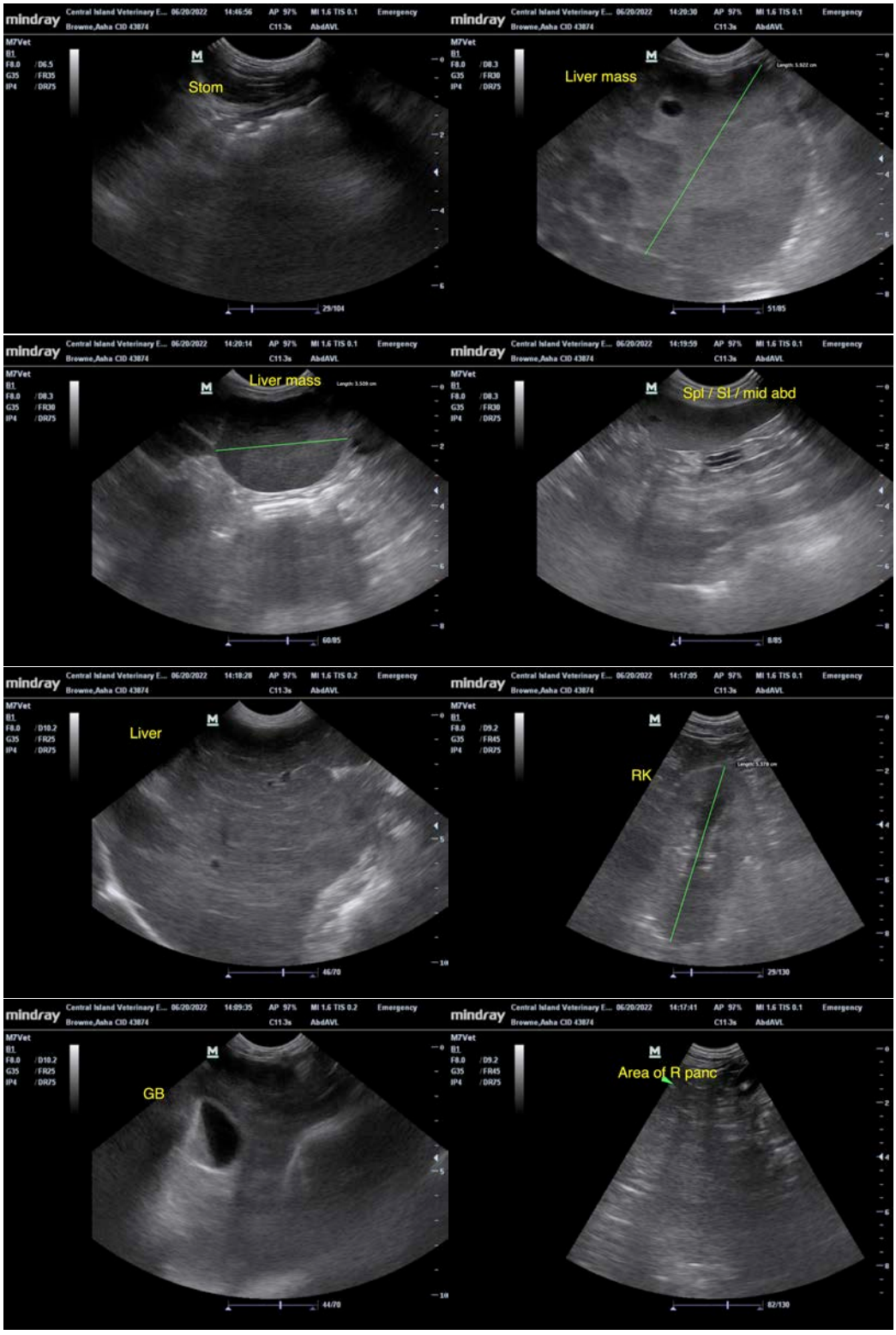
Dr. Nikolas Bell

INVOICE

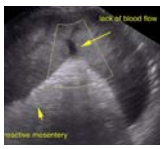
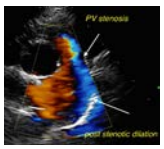
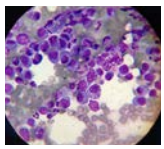
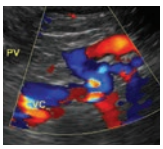
38913

DATE

6/20/22



SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™

SonoPath.com
1-800-838-4268 info@sonopath.com

PATIENT

Asha Browne

SPECIES

Canine

BREED

Husky X

SEX

Spayed Female

AGE

11 Years

WEIGHT

23.9 kg

INTERPRETED BY

R. McKenzie Daniel, DVM, DABVP (Canine and Feline)

IMAGING PERFORMED BY

Alejandro Vargas Lumbreras, RVT

HOSPITAL NAME

Central Island Vet Emergency Hospital

REFERRING VET

Dr. Nikolas Bell

INVOICE

38913

DATE

6/20/22

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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)

info@SonoPath.com