

PATIENT

Billie Jean Popvitch

SPECIES

Canine

BREED

Pitbull Mix

SEX

Spayed Female

AGE

14

WEIGHT

54.2

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Jenn

HOSPITAL NAME

Rockaway Animal
Hospital

REFERRING VET

Dr. Maniar

INVOICE

14169

DATE

03/10/26

PRESENTING CLINICAL SIGNS

- Elevated liver enzymes

Abnormal PE/Chem/CBC/UA Results: Na >180 K 8.7 ALT 186 ALP 412

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

Urinary bladder is adequately distended with anechoic contents. No masses, inflammatory changes, echogenic sediment or cystoliths are observed. The urinary bladder, trigone and visible pelvic urethra are normal in thickness with a smooth mucosal surface.

Left kidney is normal in size (5.05 cm), shape and echogenicity. It has smooth peripheral margination. There is a normal 1:3 cortex to medulla ratio with appropriate corticomedullary distinction. There is no evidence of pyelectasia, mineral or infarcts observed.

Right kidney is normal in size (5.3 cm), shape and echogenicity. It has smooth peripheral margination. There is a normal 1:3 cortex to medulla ratio with appropriate corticomedullary distinction. There is no evidence of pyelectasia, mineral or infarcts observed.

Adrenal Glands

The left adrenal gland is plump/swollen in size. Normal shape and contour are maintained without evidence of capsular invasion. Corticomedullary structure is unremarkable. Visible surrounding vasculature appears normal. The left adrenal gland measures 0.94 cm at the cranial pole and 0.86 cm at the caudal pole.

The area of the right adrenal gland is examined but the adrenal gland is unable to be well visualized/isolated for measurement which could indicate a flat adrenal gland although that can't be said definitively.

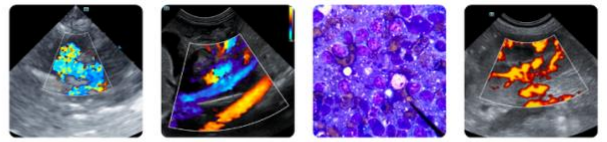
Spleen

Spleen is subjectively normal in size with a normal smooth capsular contour. Parenchyma is appropriately finely textured and homogenous with normal echogenicity relative to surrounding tissue (hyperechoic to liver). No focal nodules or masses are observed. Splenic vasculature appears normal.

Liver

Liver is subjectively normal in size with normal smooth curvilinear peripheral contour. Parenchyma is appropriately hypoechoic to the spleen in echogenicity and appropriately mildly coarse and homogenous in echotexture. Visible vasculature and biliary tree appear normal without distension or congestion. In the mid-cranial liver, there's a discrete homogenous hypoechoic nodule/mass lesion measuring approximately 2.8 by 4.1 cm in size.

Gallbladder is moderately distended with anechoic bile as well as suspended and gravity dependent echogenic debris. The wall is smooth without visible thickening. There is no evidence of cystic or CBD dilation. There is no evidence of effusion or inflammation.



PATIENT

Billie Jean Popvitch

SPECIES

Canine

BREED

Pitbull Mix

SEX

Spayed Female

AGE

14

WEIGHT

54.2

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Jenn

HOSPITAL NAME

Rockaway Animal
Hospital

REFERRING VET

Dr. Maniar

INVOICE

14169

DATE

03/10/26

Gastrointestinal

The visible stomach wall is normal in thickness and layering. The lumen of the stomach is empty with no evidence of obstruction, foreign material or infiltrative disease. Pyloric outflow tract appears patent.

The visible small intestines are normal in wall thickness and layering. Small intestinal motility appears adequate (1-3 contractions per min). The lumen of the small intestine is empty with no evidence of obstruction, foreign material or infiltrative disease.

The visible colon is normal in wall thickness (< 0.2 cm) and layering. Contents are consistent with normal formed feces and gas.

Pancreas

The pancreas that is observed appears appropriately isoechoic to surrounding omental fat. Visible capsule is smooth and normal in contour. Visible pancreatic parenchyma is homogenous and unremarkable. There is no visible pancreatic duct dilation. There is no evidence of active peripancreatic inflammation.

Free Abdomen

There is no visible free peritoneal effusion noted in these images.

There is no apparent pathologic lymphadenopathy noted in these images.

ULTRASONOGRAPHIC FINDINGS

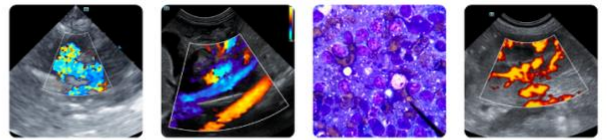
- The mild left adrenomegaly and difficulty seeing the right adrenal gland should be interpreted in combination with patient's clinical history as normal patient variant can't be ruled out. If indicated based on clinical signs, however, further diagnostic testing to further investigate possible adrenal disease may be warranted.
- The liver nodule/mass could represent a benign process such as the hepatoma/adenoma nodular hyperplasia, steroid or vacuolar hepatopathy or other although early or emerging well differentiated infiltrative neoplasia such as the hepatocellular carcinoma versus round cell neoplasia versus other can't be ruled out without tissue sampling.
- Mild gallbladder debris- Cholecystic debris is of unknown clinical significance. It can be seen with biliary stasis from fasting or illness. Cholecystic debris is not necessarily related to hepatobiliary disease. Echogenic bile is most commonly an incidental finding in dogs and should be interpreted in combination with clinical signs such as nausea, inappetence, cranial abdominal discomfort and/or laboratory changes such as increased ALP and/or increased Tbili.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Three view thoracic radiographs are recommended for further assessment of cardio-pulmonary status as well as to further evaluate for any evidence of metastatic disease, if not recently evaluated.

Fine needle aspirates of the liver nodule/mass described above could be considered if patient's coagulation status is appropriate.

In the meantime, a blood pressure is recommended if not recently evaluated.



PATIENT

Billie Jean Popvitch

SPECIES

Canine

BREED

Pitbull Mix

SEX

Spayed Female

AGE

14

WEIGHT

54.2

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Jenn

HOSPITAL NAME

Rockaway Animal
Hospital

REFERRING VET

Dr. Maniar

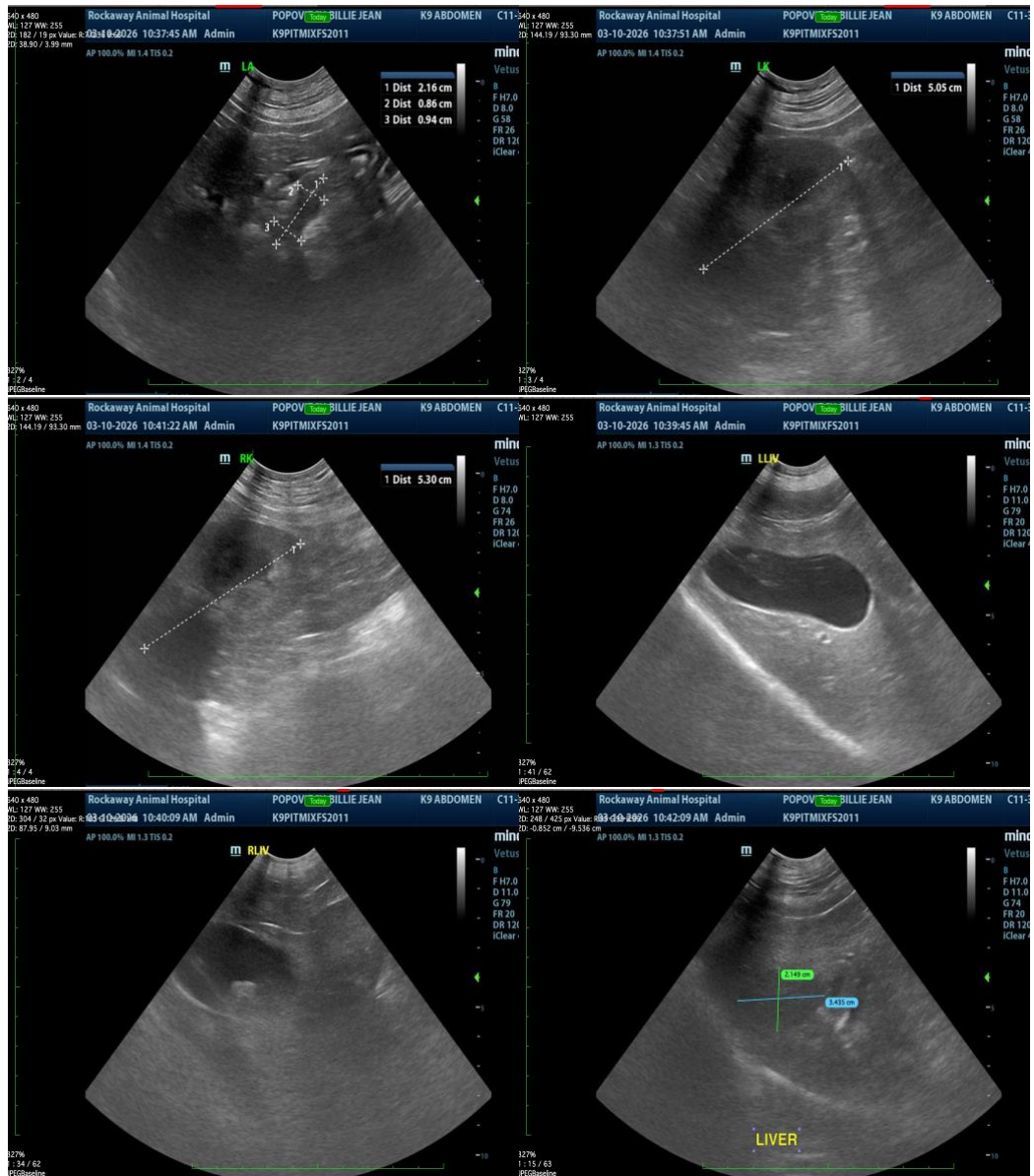
INVOICE

14169

DATE

03/10/26

Given patient's provided laboratory abnormalities, further investigation/monitoring and/or even treatment of the significant electrolyte abnormalities may also be indicated with unknown if any relation to the above changes in the ultrasound.





PATIENT

Billie Jean Popvitch

SPECIES

Canine

BREED

Pitbull Mix

SEX

Spayed Female

AGE

14

WEIGHT

54.2

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Jenn

HOSPITAL NAME

Rockaway Animal
Hospital

REFERRING VET

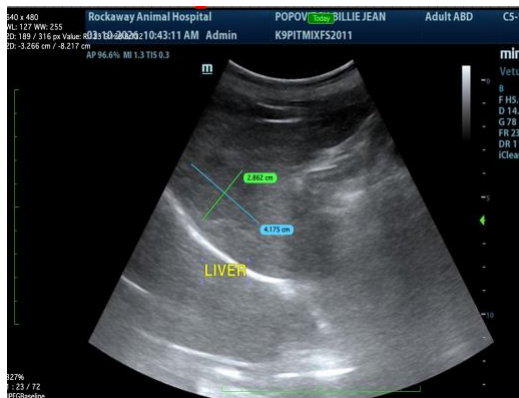
Dr. Maniar

INVOICE

14169

DATE

03/10/26



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.

Beth Johnson, DVM DACVIM

info@sonopath.com