

**DATE PRESENTING CLINICAL SIGNS**

10/19/21

Hacking, Breathing Difficulty, & Not Eating.

PATIENT

History: Date: 10-17-2021 Notes: Seen on 10/5 for coughing, rads appeared to be consistent with old dog lungs and was not coughing here.

Lilly Lanchak

was on hydrocodone, seemed to be a little better, owners stopped had RDVM general health check this week, got shots, seemed ok today-- breathing is very distressed, gagging/coughing up foamy fluids

SPECIES

Canine

Current Medications: Gabapentin, Furosemide, Baytril

Lab Results: WBC 28 w/neutrophilia, ALT 135, ALP 376, Chol 357

Radiographs: Thorax 2 view- severe generalized consolidation heart is obscured can see fine pleural fissure line.

BREED

Pit Bull X

Date of Previous IntraPet Ultrasound: No previous

Sedation: not needed

Stat Report: not requested

SEX

Spayed Female

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**AGE**

2010

Urinary SystemThe **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.**WEIGHT**

64.5 Pounds

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 left kidney measured 7.13 cm. The right kidney measured 6.43 cm.**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. The left adrenal gland measured 3.54 cm x 0.83 cm at the caudal pole and 0.8 cm at the cranial pole. The right adrenal gland measured 2.95 cm x 0.79 cm at the caudal pole and 0.84 cm at the cranial pole.**HOSPITAL NAME**Animal Emergency
Hospital**Spleen**The **spleen** was largely smooth with subtle heterogeneous parenchymal changes while maintaining normal echogenic relationship to the liver and kidney. These changes are consistent with normal age-related alteration. The capsule was smooth without noticeable impingement from within the spleen or from pathology in the adjacent abdomen. The splenic vasculature demonstrated normal volume without signs of congestion or significant contraction. No evidence of active acute or chronic inflammatory, neoplastic, or infarctual changes were noted.**REFERRING VET**

Dr. King

INVOICE

26379

LiverThe **liver** presented relatively normal size with minor irregular contour. The parenchyma did not demonstrate any overt masses, yet ill-defined hyperechoic plaques were present probably representing fibrosis or active inflammatory disease (if enzymatic elevation is present). Therefore, should the history cause suspect of significant hepatic disease, then coagulation panel and ultrasound guided biopsy would be warranted to arrive at a structural diagnosis. Otherwise such changes most likely represent prominent age-related alterations or evidence of past inflammatory episodes. Vascular structures were considered normal.

The gall bladder was of normal size and thickness with some mildly echogenic precipitate. Bile acid profile is indicated to assess current metabolic significance of these changes.

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

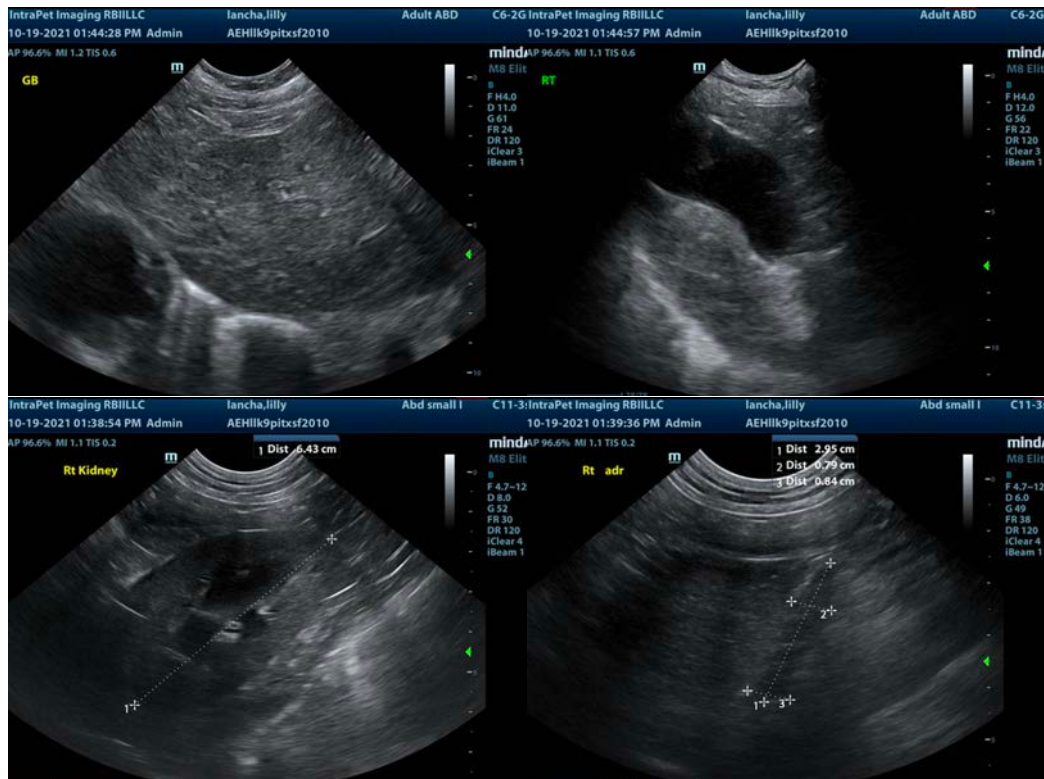
Rapid view of the heart revealed no evident pathology.

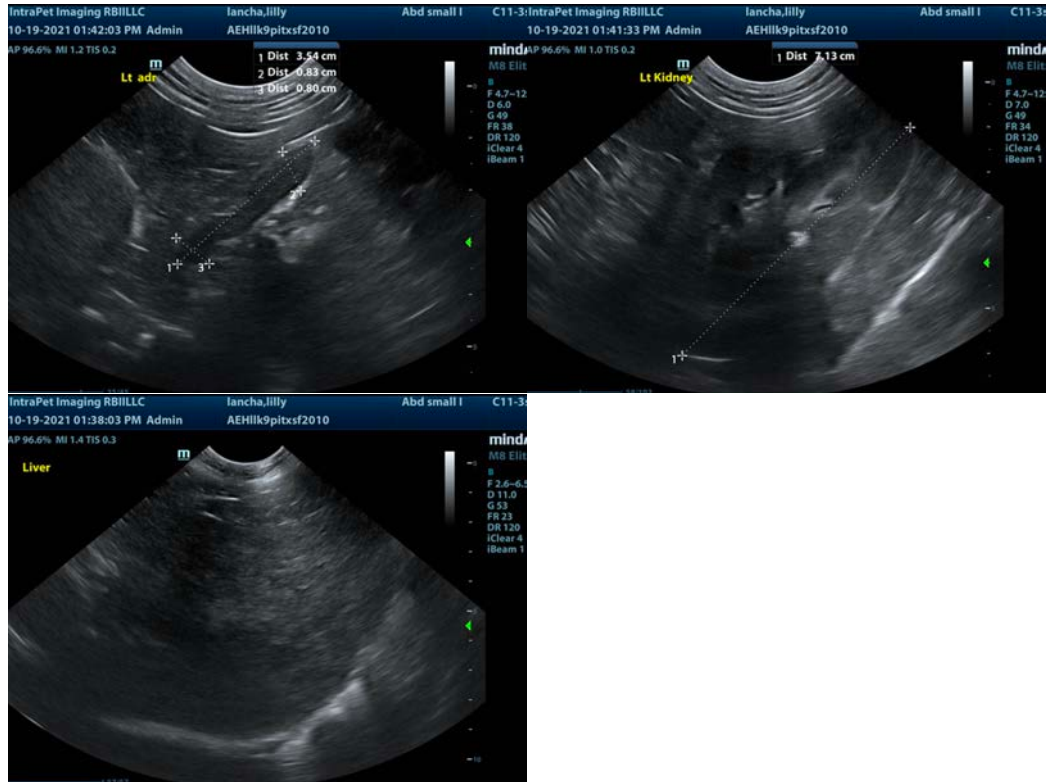
ULTRASONOGRAPHIC FINDINGS

- Hepatic remodeling
- Unremarkable abdomen otherwise

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Bile acid profile +/- FNA indicated. No evidence of significant disease. However, the liver does reveal a significant amount of remodeling. Early functional deficits may be an issue. The anorexia may be unrelated to the abdominal presentation. Assessment for orthopedic or CNS disease warranted.





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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