

**DATE PRESENTING CLINICAL SIGNS**

9/17/21

History: 8 days of lethargy, malaise. No notable favorable response to pain medications (Rimadyl, Gabapentin). Previous history of bilateral TPO, appears stable at this time. Newly diagnosed significant discospondylitis (painful when attempted VD x-ray positioning)

PATIENT

Reuben Helfrich

Current Medications: Rimadyl 100mg po q 12 hours for 6 days (started 9/8/21, discontinued 9/14/21), Gabapentin 300mg po q 8-12 hours (started 9/8/2021, continuing), Bravecto 88-123 Lbs.

Lab Results: CBC Chemistry WNL.

Radiographs: Abdominal x-ray suggests possible soft tissue density mid abdomen.

Date of Previous IntraPet Ultrasound: No previous IntraPet scans.

SPECIES

Canine

Sedation: not needed

Stat Report: not requested / declined

BREED

American Bulldog

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.

SEX

Intact male

The **prostate** was uniformly enlarged with lobar swelling appeared to impinge upon the urethra and mildly deviate the descending colon. The prostatic tissue was hyperechoic containing focal areas of minor decreased echogenicity. These changes are suggestive of either chronic inflammatory episodes, benign cystic pathology or both. Underlying neoplasia cannot be completely ruled-out but is lower on the differential list. This presentation is most consistent with benign prostatic hyperplasia with possible active prostatitis. Neutering or off-label Finasteride (Propecia) (0.1-0.5 mg/kg Sid) treatment is indicated +/- FNA or prostatic wash cytology and culture. The prostate measured 3.43 cm width.

AGE

6/12/15

WEIGHT

99.5 lbs

The **testicles** were imaged and found to be fairly uniform with minor parenchymal remodeling.

INTERPRETED BYEric Lindquist, DMV
DABVP, Cert. IVUSS

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. The capsules were acceptably uniform without significant irregularities. The left kidney measured 7.5 cm. The right kidney measured 7.25 cm. Slight pyelectasia noted in the right kidney.

HOSPITAL NAME

Greenbrier VC

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 3.18 cm x 0.72 cm at the caudal pole and 0.68 cm at the cranial pole. The right adrenal gland measured 2.67 cm x 0.75 cm at the caudal pole and 0.8 cm at the cranial pole.

REFERRING VET

Dr. Holloway

Spleen

The **spleen** was volume contracted yet uniform.

INVOICE

13129

Liver

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some minor age-related parenchymal remodeling was noted but likely not clinically significant at this time. The gallbladder presented some dependent debris with essentially normal contour. The cystic and common bile ducts were normal. The hepatic lymph nodes were unremarkable. Minor passive congestion liver pattern noted.

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.

Heart

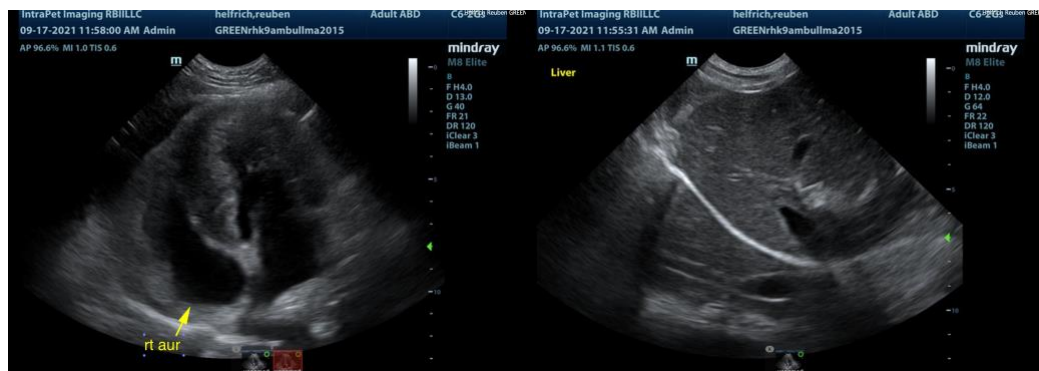
A rapid view of the **heart** revealed tachyarrhythmia and pericardial effusion. No overt masses noted, however could not be ruled out.

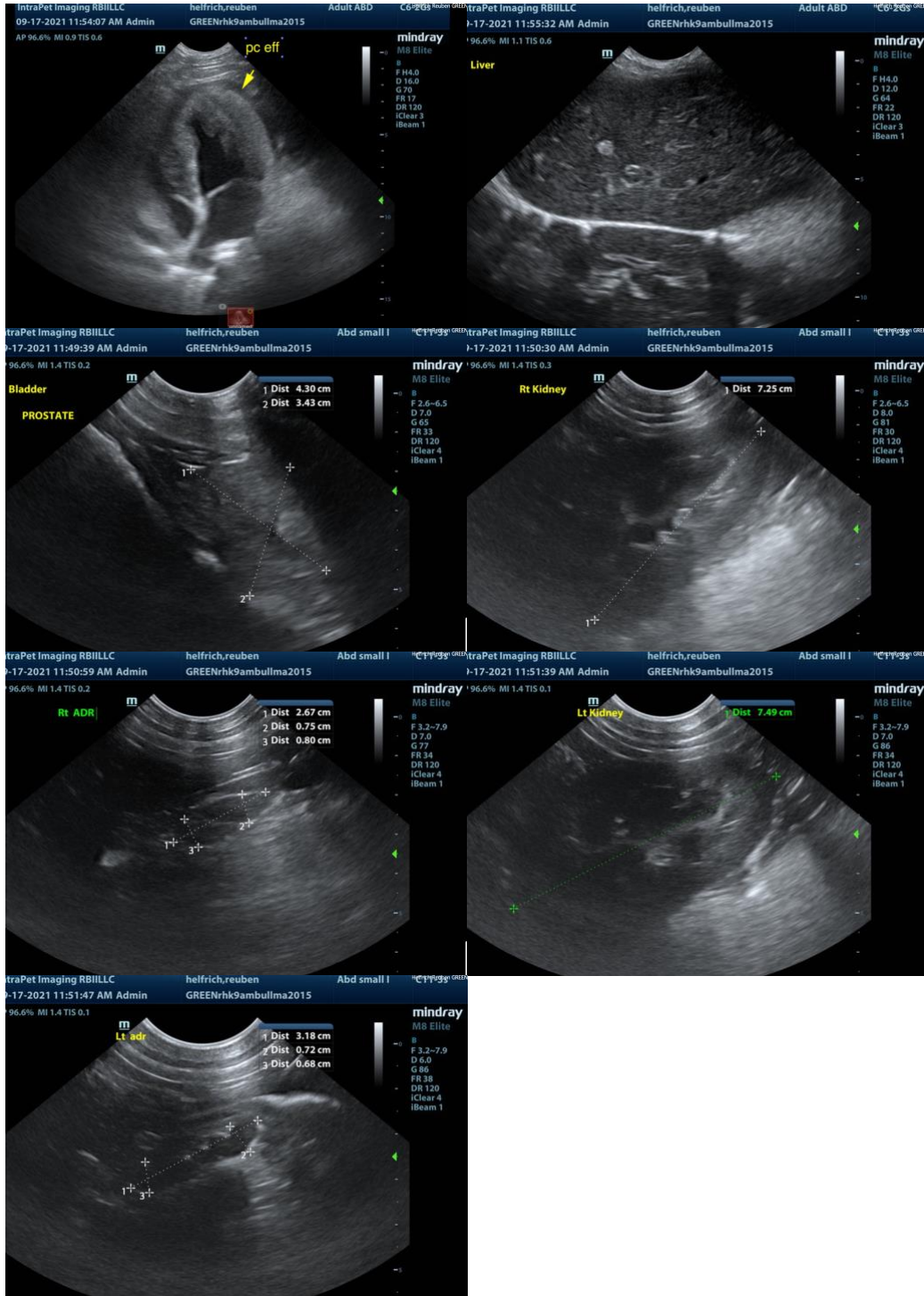
ULTRASONOGRAPHIC FINDINGS

- Age-related hepatic changes
- Minor PBH prostate
- Testicles, minor parenchymal remodeling
- Volume contracted spleen
- Heart, tachyarrhythmia and pericardial effusion- full echocardiogram recommended as well as EKG

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The heart is likely the cause of the clinical signs in this patient. No internal volume overload noted in this patient, however, pericardial effusion was evident. The right auricle was free of overt pathology. Idiopathic pericardial effusion versus occult neoplasia or vasculitis are all potentials.





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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