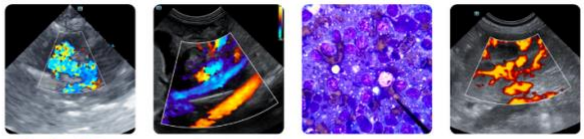

PATIENT

Max May

SPECIES

Canine

BREED

Dachsund Mix

SEX

Neutered Male

AGE

11 Years 2 Months

WEIGHT

24.2 pounds

INTERPRETED BY

Eric Lindquist, DMV, DABVP(CFM), Cert. IVUSS

IMAGING PERFORMED BY

Shari Reffi CVT

HOSPITAL NAME

Nazareth Veterinary Center

REFERRING VET

Dr. Bankowski

INVOICE

15112

DATE

04/14/26

PRESENTING CLINICAL SIGNS

Scheduled for cutaneous mass removals, overweight, dermal masses-open (likely benign) but interdigital lesion annoying to pet & owner. Prev. AUS 5/25 (attached) gb dz, possible polyp. Echo for preop-grade 2-3/6 heart murmur, asymptomatic, no meds.

Abnormal PE/Chem/CBC/UA Results: Ca-12.9; TP-8.2; Glob-4.2; ALT-180; ALKP-3241; conj. bili-0.1; Chol-1534; HCT-40.6; PLT-686k; Hx of increased ionized, suggestive of parathyroid dz.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder**, trigone, and pelvic urethra to a depth of 3.0 cm 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.

The **residual prostate** was uniform and measured 1.1 cm.

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some minor age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The left kidney measured 5.38 cm in length. The right kidney measured 6.4 cm in length.

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 2.1 cm x 0.62 cm width att he cranial pole and 0.71 cm width at the caudal pole. The right adrenal gland measured 2.67 cm x 1.06 cm width at the cranial pole and 0.61 cm width at the caudal pole.

Spleen

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 were noted.

Liver

The **liver** was uniformly swollen with moderate, excessive gallbladder debris and over distension with dependent and suspended bile without evidence of overt mucocele formation. However, excessive sludge was present. The liver presented coarse architecture with mildly increased portal markings and subtle, mixed echogenic changes. This is consistent with vacuolar hepatopathy and some level of remodeling and history of inflammatory component. There was no overt suspicion of neoplasia. Minor

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gallbladder polyp was noted yet appears nonpathological measuring approximately 1.5 cm. The caudate process was particularly enlarged in this patient creating a hepatomatous type pattern.

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.

Thyroid

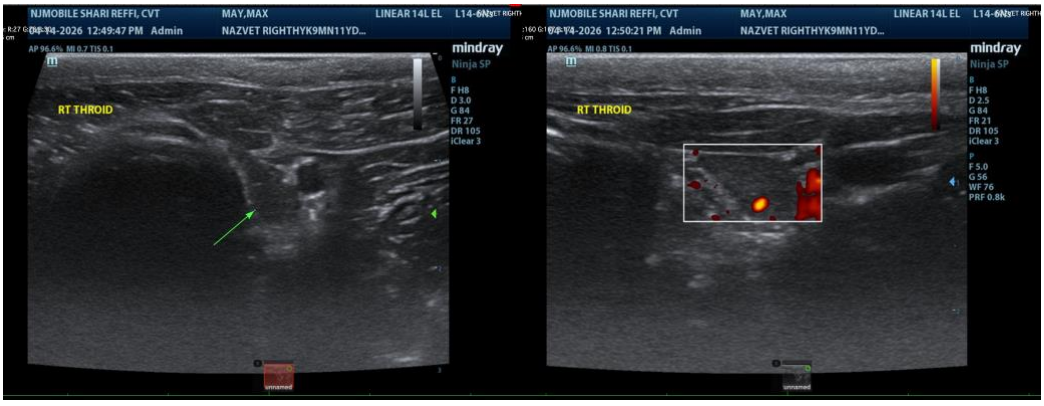
The right thyroid lobe was uniform measuring approximately 7.0 mm in width. Regional tissues, esophagus, trachea, carotid, salivary glands are all unremarkable. No evidence of parathyroid pathology on the right lobe. The largest visible parathyroid is cranial parathyroid and measured approximately 2.0 mm x 1.0 mm. The remainder of the thyroid lobe was unremarkable.

ULTRASONOGRAPHIC FINDINGS

- Subjectively benign hepatopathy with hepatomatous type caudate process- not overtly pathological.
- Benign gallbladder polyp.
- Unremarkable geriatric abdomen otherwise.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No evidence of thyroid disease or parathyroid adenoma at this time. If the ionized calcium progressively elevates and PTH hormone is mid to high level, then recheck sonogram in one month of the thyroid lobes to ensure an emerging disease is not present.



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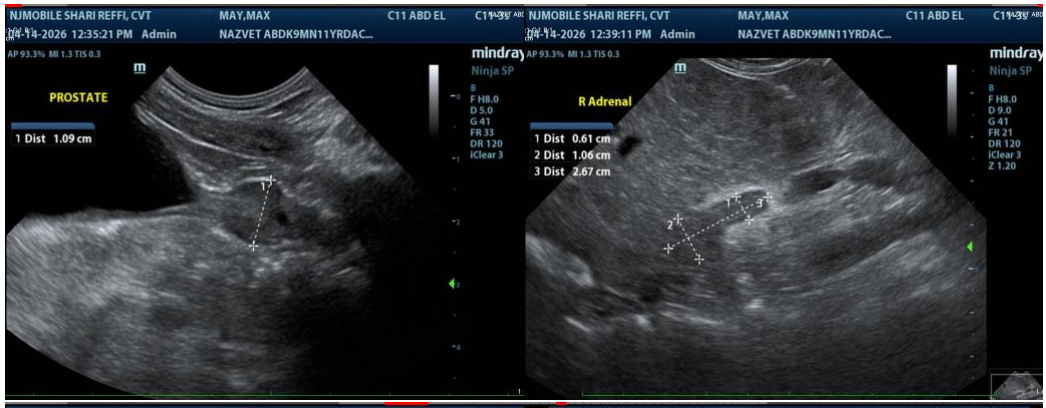

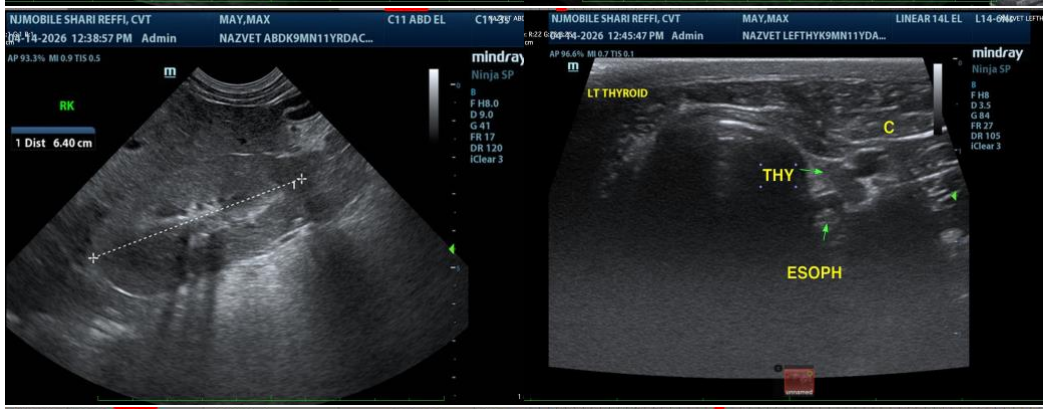

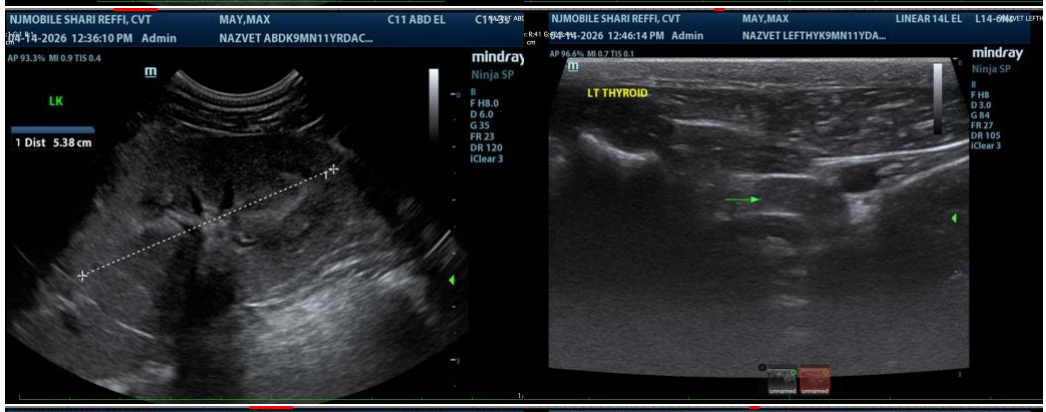

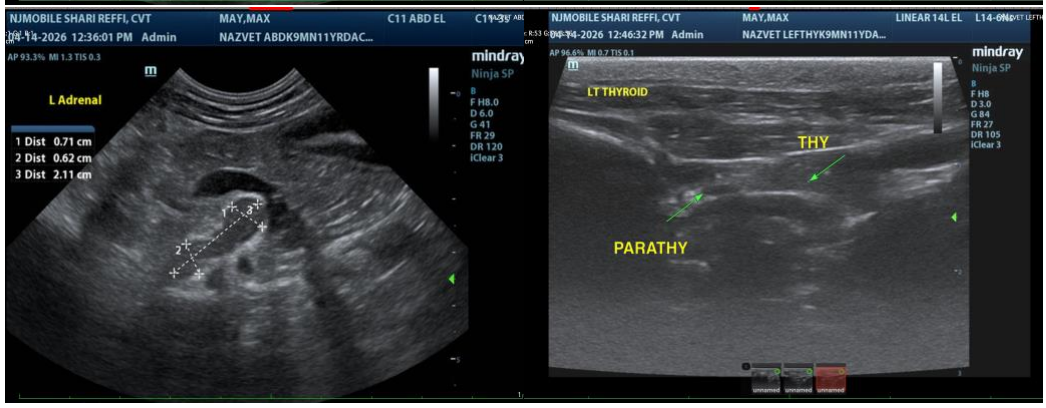

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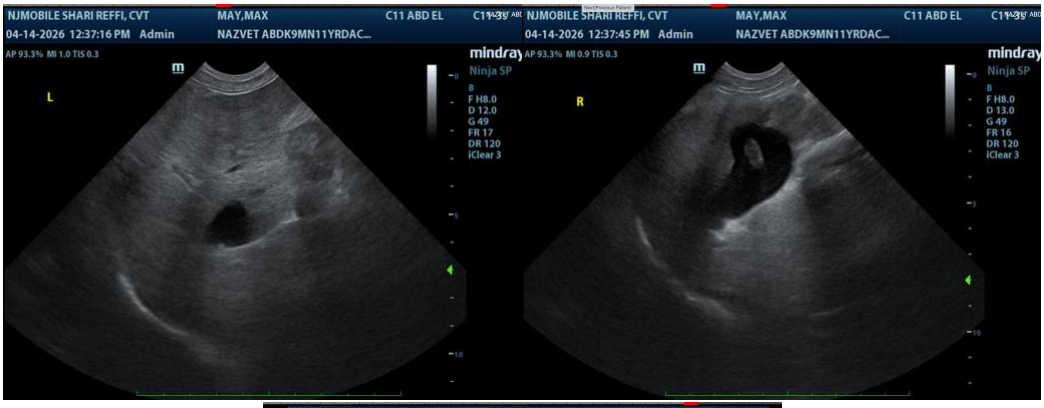

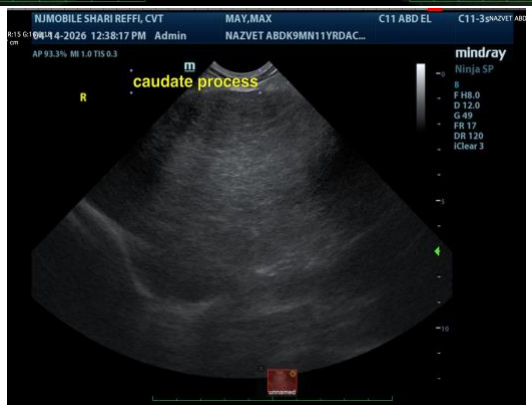

The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Eric Lindquist, DMV, DABVP(CFM), Cert. IVUSS,

CEO, Owner, Founder -- SonoPath.com

info@SonoPath.com