



**PATIENT**

Ozzy Bhatt

**SPECIES**

Canine

**BREED**

Golden Retriever

**SEX**

Neutered Male

**AGE**

9 Years 10 Months

**WEIGHT**

105 Lbs.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Kelly Vazquez

**HOSPITAL NAME**

Ridgewood VH

**REFERRING VET**

Dr. Rajani Tyagi

**INVOICE**

13580

**DATE**

1/24/22

**PRESENTING CLINICAL SIGNS**

History: Patient presents for ALK. Phos. of 436, WBC 20.64, neuts. 18.04, RBC 5.48, HGB 10.5, HCT 32.85%, plts. 19.00. Had On Gabapentin 300mgs, last dose given yesterday. Elevated respiratory rate today, light pink MM.

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The **bladder** in this patient was mildly thickened with slight echogenic mural changes. No calculi or masses were noted. Slight micropolypoid changes were noted. This is a frequent finding in older animals and may be linked to a history of chronic urinary tract infection or active urinary tract infection. Urinalysis would be recommended with culture if any evidence of inflammatory sediment is present. The region of the trigone and visible pelvic urethra were normal. The pelvic urethra was imaged 3.0 cm beyond the cystourethral junction.

Both **kidneys** revealed subcapsular and cortical masses, one of which measured 5.38 cm x 2.0 cm. This change is strongly suggestive for hemangiosarcoma. The left kidney revealed distorted architecture. The right kidney measured 7.99 cm.

**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 right adrenal gland measured 2.95 cm x 0.89 cm at the caudal pole and 1.09 cm at the cranial pole. The left adrenal gland measured 2.82 cm x 0.37 cm at the caudal pole and 0.35 cm at the cranial pole.

**Spleen**

The **spleen** was slightly heterogeneous. Caudal folding of the spleen was noted.

**Liver**

The **liver** revealed moderate disruption of architecture with multifocal target-type nodular lesions. The liver was riddled with multiple disruptive nodular changes. The gallbladder and common bile duct were unremarkable.

**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.

**Other**



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The transdiaphragmatic view revealed pleural effusion and lung masses in the visible caudal thorax.

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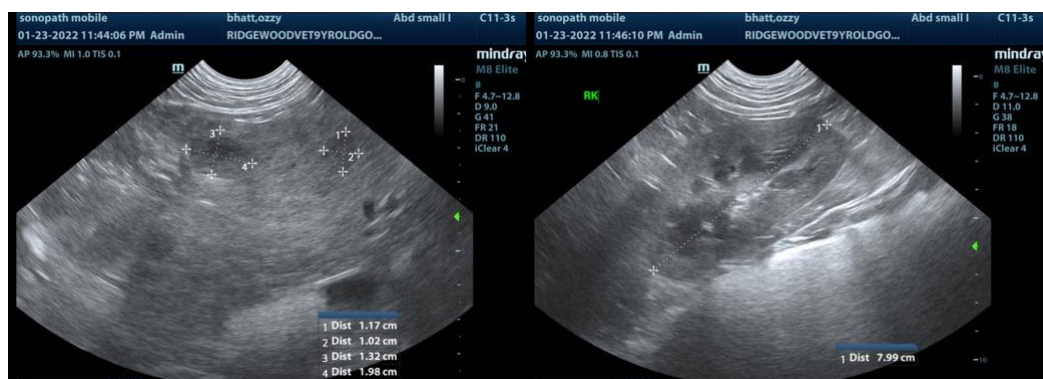
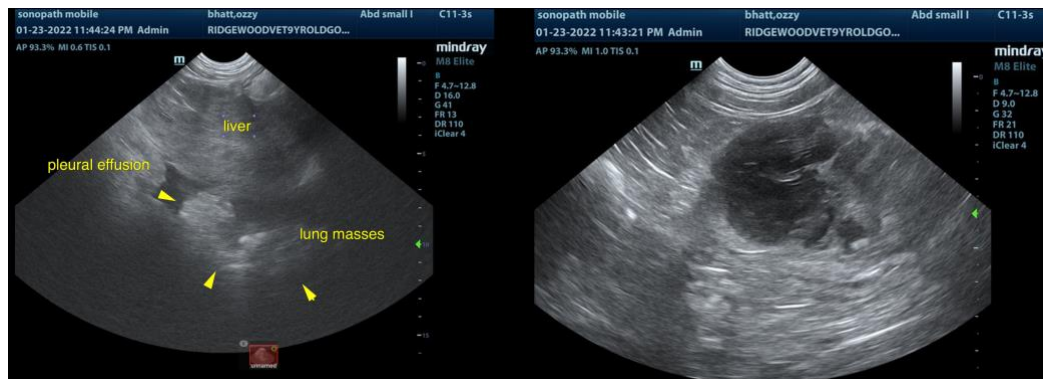
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**ULTRASONOGRAPHIC FINDINGS**

- Multicentric hemangiosarcoma pattern, involving kidneys and liver
- Pleural effusion spread with lung masses
- Heterogenous spleen with splenic fold
- Age-related urinary bladder changes

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Multicentric hemangiosarcoma likely or similar neoplasia. Prognosis is poor.





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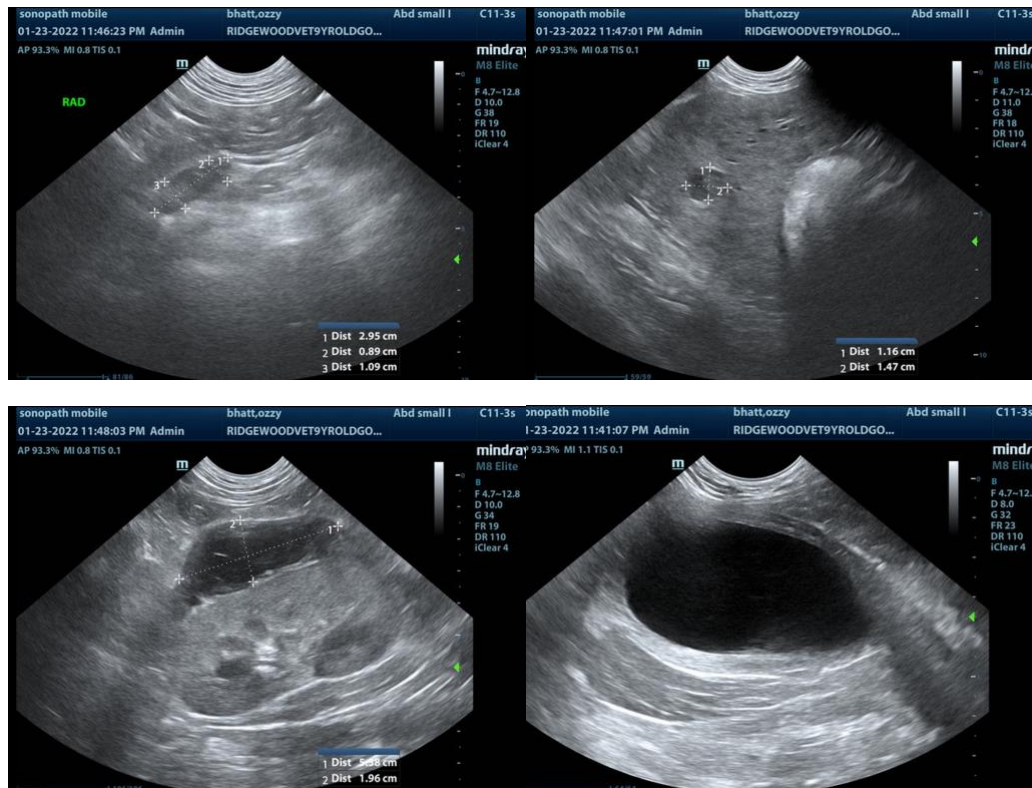
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

**Eric Lindquist**, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com  
info@SonoPath.com