



**PATIENT**

Bella Jimenez

**SPECIES**

Canine

**BREED**

Yorkshire Terrier

**SEX**

Female

**AGE**

8 Years 9 Months

**WEIGHT**

6.5 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV

DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Carissa Rhoades

**HOSPITAL NAME**

Elizabeth AH

**REFERRING VET**

Dr. Kim Allyn

**INVOICE**

37185

**DATE**

4/26/22

**PRESENTING CLINICAL SIGNS**

A couple days ago Bella stopped eating and not wanting to play. She has been hiding and not wanting to be around them. Tried to take her outside cause she loves that but didn't really enjoy it. Usually she is a very good eater but Henry had to give her a syrup to get something in her. She is always in heat - she is going every 2 months and it's a bad heat usually and she just went into heat 3 or 4 days ago. Cyst on her side and she has a cataract in her right eye. Also drinking a lot - urinating a lot. Also starting to have some soft stools.

Abnormal PE/Chem/CBC/UA Results: PE: DEHYDRATED TENSE, FULL FEEL CRANIALLY, LOOSE FECAL MATERIAL ON REAR EARLY CATARACT SWOLLEN VULVA, BLOODY DISCHARGE .5 CM FIRM MAMMARY MASS X2 ON LEFT MAMMARY CHAIN GRADE 4 DENTAL DISEASE CBC: Monocytes 3.72K/ul Chem: Glucose 582mg/dL BUN 77mg/dL Phosphorus 6.9mg/dL Calcium 7.8 mg/dL Sodium 128mmol/L Chloride 84mmol/L Globulin 4.6 g/dL Bilirubin - Total 1.0 mg/dL Cholesterol 389mg/dL Amylase 1,960 U/L

**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. The pelvic urethra was imaged 3.0 cm beyond the cystourethral junction.

The **kidneys** presented a relatively uniform cortical hyperechogenicity when compared to the renal medulla, spleen and liver. No overt masses were noted. Corticomedullary definition was nebulous and the ratio favored the cortex slightly. The ureters were not visible and assumed to be normal. These changes are most consistent with chronic interstitial nephritis yet infiltrative disease could not be entirely ruled out without biopsy though neoplasia is not suspected. The right kidney measured 4.3 cm. The left kidney measured 4.08 cm. Slight pyelectasia noted in both kidneys.

**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 1.31 cm x 0.49 cm at the cranial pole and 0.59 cm at the caudal pole. The right adrenal gland measured 1.22 cm x 0.63 cm.

**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** in this patient was mildly enlarged and uniform with hyperechoic parenchymal changes. There were subtle, hypoechoic heterogenous nodular changes. The gallbladder and common bile duct were unremarkable other than a minor amount of gallbladder sludge/debris.



**PATIENT**

**Gastrointestinal**

Bella Jimenez

The **stomach** presented concentric hypertrophy with echogenic mucosal remodeling. The small intestine and colon were unremarkable.

**SPECIES**

**Pancreas**

Canine

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.

**BREED**

**Other**

Yorkshire Terrier

The uterus was empty and presented minor excessive thickening at 1.0 cm. The regions of the ovaries were unremarkable.

**SEX**

**ULTRASONOGRAPHIC FINDINGS**

Female

- Chronic gastritis pattern – minor potential for underlying neoplasia.
- Diabetic hepatopathy
- Chronic renal changes with slight pyelectasia

**AGE**

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

8 Years 9 Months

FNA of the liver indicated for further definition. Possible suppurative hepatitis. Treatment for gastritis, supportive care for diffuse liver disease, and ovariohysterectomy/mastectomy all indicated.

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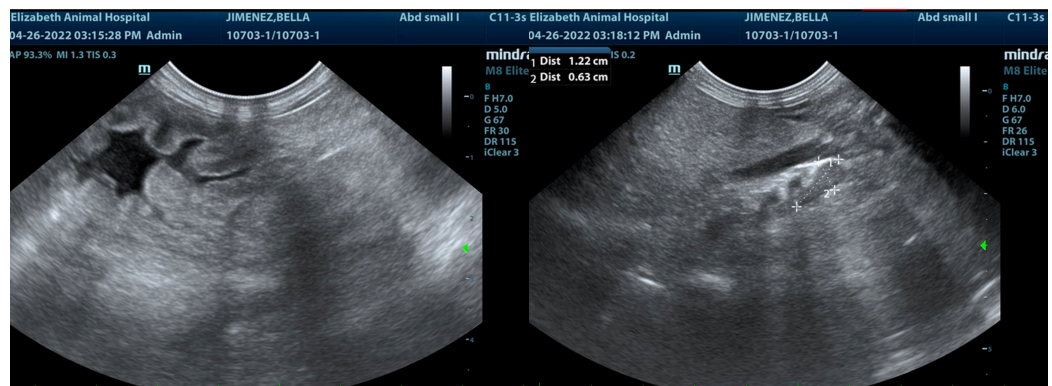
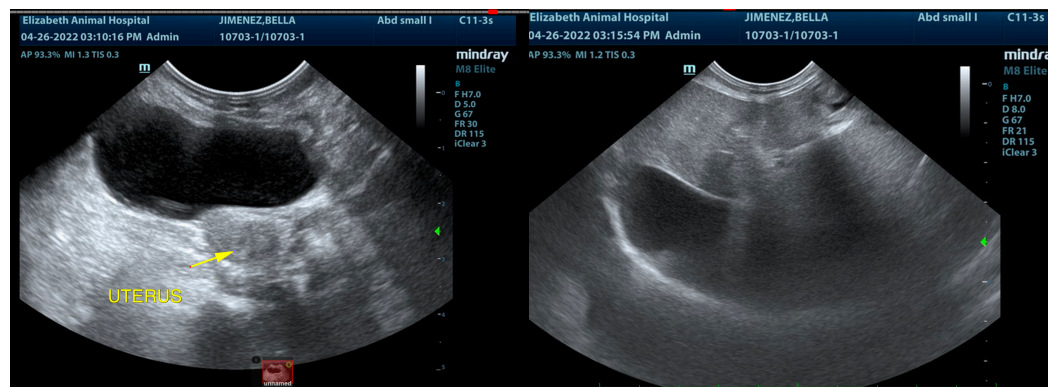
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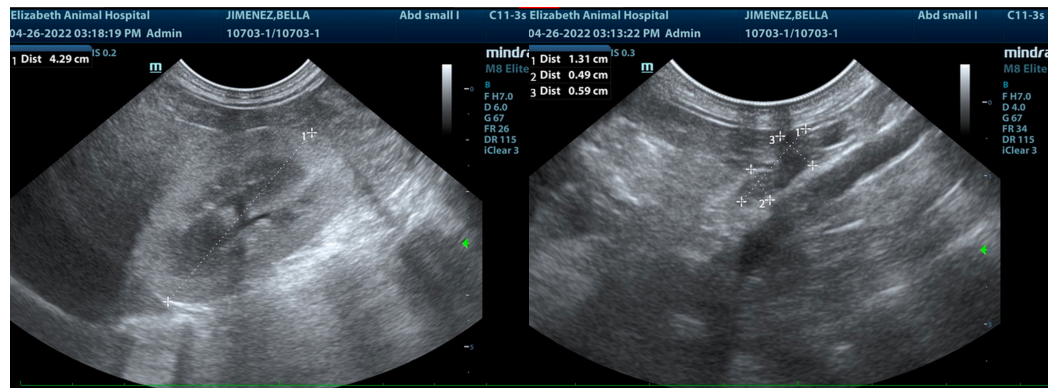
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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, Cert. IVUSS, CEO of SonoPath.com

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