

**PATIENT**

Bella Kraig

**SPECIES**

Canine

**BREED**

Italian Greyhound  
Mix

**SEX**

FS

**AGE**

14 years

**WEIGHT**

20 lbs.

**INTERPRETED BY**

R. McKenzie Daniel,  
DVM, DABVP  
(Canine and Feline)

**IMAGING PERFORMED BY**

Jenna Walsh, CVT

**HOSPITAL NAME**

Q Street AH

**REFERRING VET**

Dr. Cone

**INVOICE**

48311

**DATE**

11/12/21

**PRESENTING CLINICAL SIGNS**

Presented for "difficulty breathing" for 2 days. Reverse sneezing, not coughing. Very weak and lethargic, unable to walk outside to use the bathroom. Poor appetite initially, now eating better. Physical exam: 2/6 systolic heart murmur, normal lung auscultation, generalized weakness (unable to stand/walk without support), absent CP left hind, reverse sneezing, severe dental disease. Current Medications Baytril 68 mg

Abnormal PE/Chem/CBC/UA Results: Marked leukocytosis (neutrophils 30,118, lymphocytes 5291, monocytes 3256, bands 1221, mild toxic changes), hyperglobulinemia (4.7), hypoalbuminemia (2.6), mild ALP elevation (236), 2+ proteinuria.

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

*Urinary System*

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes was noted.

The area of the aortic trifurcation was free of pathology.

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained, however, both kidneys exhibited moderate loss of corticomedullary border demarcation along with subjective mild cortical hypertrophy and nonuniform cortex echotexture. No evidence of pyelectasia was noted in either kidney. The left kidney measured 4.7 cm in length. The right kidney measured 5.1 cm in length.

*Adrenal Glands*

The bilateral adrenal glands were normal in size; however, the right adrenal gland was indistinctly visualized subjectively measuring 0.53 cm width at the cranial pole and 0.51 cm width at the caudal pole. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia. The left adrenal gland measured 0.75 cm width in the cranial pole and 0.45 cm width in the caudal pole.

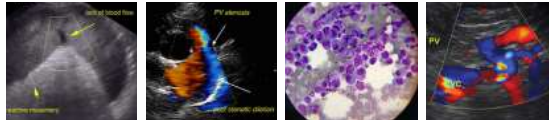
*Spleen*

The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted.

*Liver/ Gallbladder*

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. The hepatic and portal vasculature were normal in appearance without signs of congestion.

The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.



**PATIENT**

***Gastrointestinal***

Bella Kraig

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction, or foreign material. The gastric body wall measured 0.33 cm width.

**SPECIES**

Canine

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction, or foreign material. The jejunum wall measured 0.33 cm width.

**BREED**

Italian Greyhound  
Mix

Normal visible colon wall layers were present with apparent formed feces in lumen.

**SEX**

FS

***Pancreas***

The parenchyma of the left limb, body, and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease were evident.

**AGE**

14 years

***Free Abdomen***

Unspecified elongated to tubular-like tissue exhibiting subjective multifocal to mildly cystic appearance was present in the ventral to ventrocaudal abdomen and cranial to the urinary bladder measuring approximately 1.2 cm width. No evidence of associated inflammation noted.

**WEIGHT**

20 lbs.

No overt evidence of significant lymphadenopathy or peritoneal effusion was present.

**INTERPRETED BY**

R. McKenzie Daniel,  
DVM, DABVP  
(Canine and Feline)

**ULTRASONOGRAPHIC FINDINGS**

- Bilateral chronic renal changes.
- Mild vacuolar hepatopathy pattern.
- Unspecified elongated subjectively multifocal to mildly cystic tissue in ventral to ventrocaudal abdomen cranial to the urinary bladder.
- Sonographically unremarkable gastrointestinal tract.

**IMAGING PERFORMED BY**

Jenna Walsh, CVT

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**HOSPITAL NAME**

Q Street AH

Although unspecified, the subjective cystic appearing tissue noted in the ventral to ventrocaudal abdomen and cranial to the urinary bladder may suggest retained uterine tissue exhibiting evidence of cystic endometrial hyperplasia. Other considerations may include atypical chronic to cystic lymphadenopathy or unspecified omental lesion not overly indicative of neoplastic criteria. Overt evidence of stump pyometra or abscessation associated with this unspecified tissue was not obvious.

**REFERRING VET**

Dr. Cone

Otherwise, largely geriatric abdomen without evidence of additional or significant visceral pathology as an obvious cause of the patient's clinical signs. Potential for primary musculoskeletal or neurological disease may be considered.

**INVOICE**

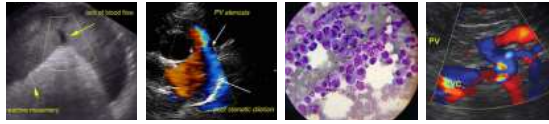
48311

Likewise, an obvious cause of the significant CBC abnormalities was not definitively evident within the abdominal cavity. CBC pathology review may be considered.

**DATE**

11/12/21

Further renal staging to include urine C/S and protein: creatinine ratio on sterile urine sample may be considered.



**PATIENT**

Bella Kraig

**SPECIES**

Canine

**BREED**

Italian Greyhound Mix

**SEX**

FS

**AGE**

14 years

**WEIGHT**

20 lbs.

**INTERPRETED BY**

R. McKenzie Daniel,  
DVM, DABVP  
(Canine and Feline)

**IMAGING PERFORMED BY**

Jenna Walsh, CVT

**HOSPITAL NAME**

Q Street AH

**REFERRING VET**

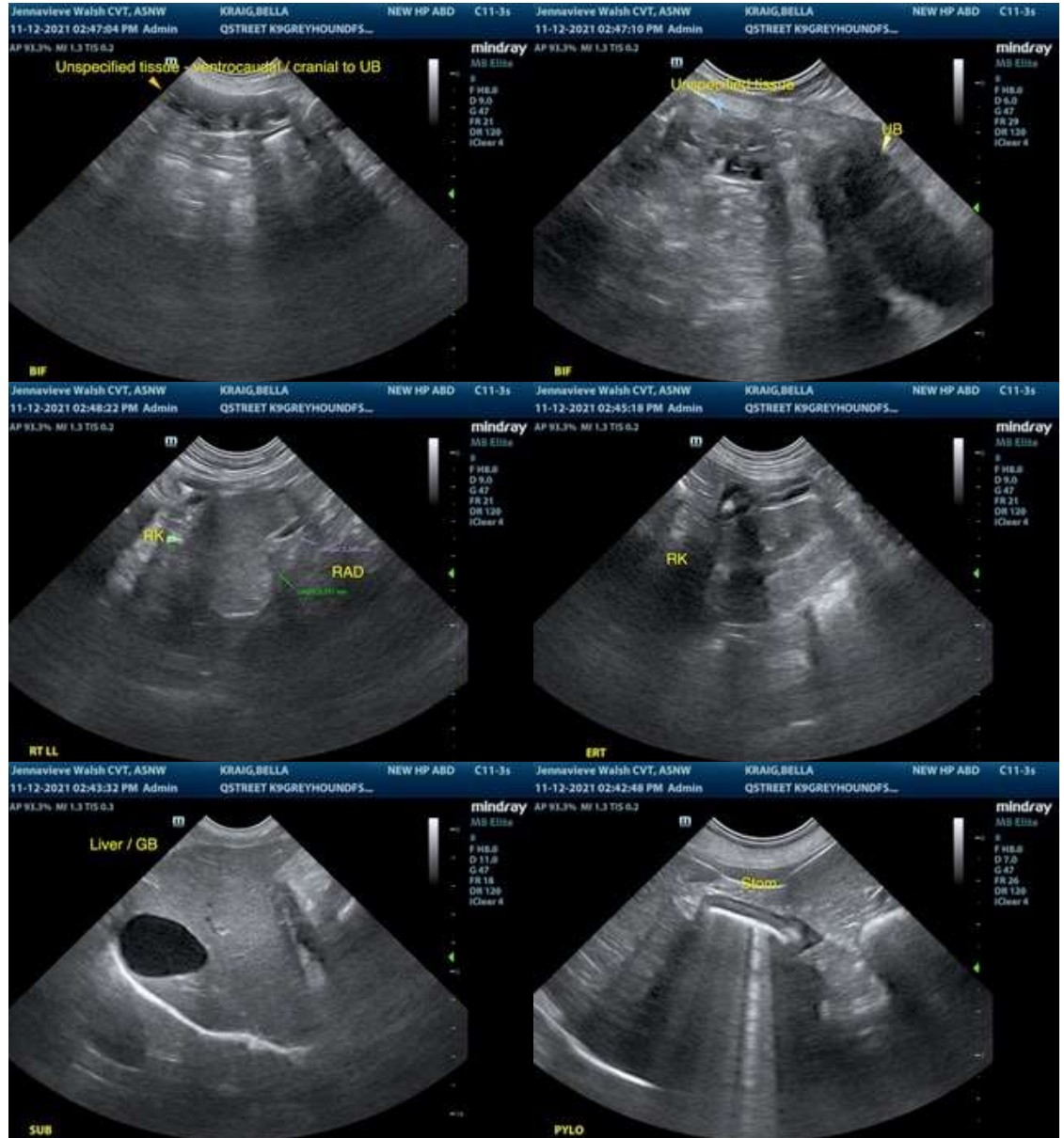
Dr. Cone

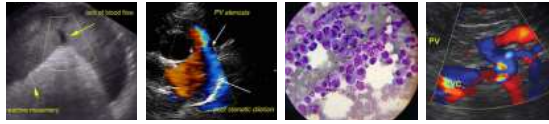
**INVOICE**

48311

**DATE**

11/12/21





**PATIENT**

Bella Kraig

**SPECIES**

Canine

**BREED**

Italian Greyhound Mix

**SEX**

FS

**AGE**

14 years

**WEIGHT**

20 lbs.

**INTERPRETED BY**

R. McKenzie Daniel,  
DVM, DABVP  
(Canine and Feline)

**IMAGING PERFORMED BY**

Jenna Walsh, CVT

**HOSPITAL NAME**

Q Street AH

**REFERRING VET**

Dr. Cone

**INVOICE**

48311

**DATE**

11/12/21



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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)  
info@SonoPath.com