



**PATIENT**

Pepper Batley

**SPECIES**

Canine

**BREED**

Australian Cattle Dog

**SEX**

Spayed Female

**AGE**

9 Years 10 Months

**WEIGHT**

30.4 Pounds

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Jenna Walsh, CVT

**HOSPITAL NAME**

Banfield of South  
Fusion

**REFERRING VET**

Dr. Wright

**INVOICE**

15906

**DATE**

6/7/22

**PRESENTING CLINICAL SIGNS**

History: Pet presented for AUS and bile acids to investigate chronic elevated ALKP. O reports that P is doing well at home. Current Medications Galliprant 60mg 0.5 tablet q24hr. 1/2 tab Cosequin q24hr

Abnormal PE/Chem/CBC/UA Results: chronic elevated ALKP - most recently 522 U/L.

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 exhibited normal tone. Mild nonuniform thickening of the urinary bladder wall was present. Hyperechoic focal echogenicities with distal acoustic shadowing were present in the dependent lumen. The echogenicities were multiple variably sized with likely concurrent adhered mineralized sand in the ventroapical luminal surface. An example of a calculus measured 1.0 cm in diameter. The ventroapical urinary bladder wall measured 0.84 cm in width. Aortic trifurcation was normal.

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. Non-obstructive medullary mineral/small renoliths were present, primarily in the lateral diverticuli. The left kidney measured 4.8 cm in length. The right kidney measured 4.5 cm in length.

**Adrenal Glands**

Both adrenal glands were normal without evidence of hyperplasia or tumors. The left adrenal gland measured 2.0 cm in length x 0.71 cm width at the caudal pole. The right adrenal gland measured 2.0 cm in length x 0.60 cm width at the caudal pole.

**Spleen**

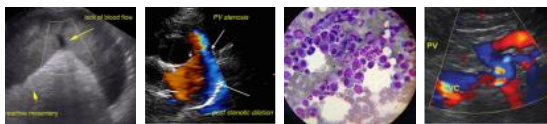
The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Acute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

**Liver**

The liver was mild to moderately enlarged. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. No overt indication for a portosystemic shunt.

The gallbladder was non-distended in size with mild gallbladder debris. The gallbladder was otherwise normal. The cystic and common bile ducts were normal.

**Gastrointestinal**



## PATIENT

Pepper Batley

## SPECIES

Canine

## BREED

Australian Cattle Dog

## SEX

Spayed Female

## AGE

9 Years 10 Months

## WEIGHT

30.4 Pounds

## INTERPRETED BY

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

## IMAGING PERFORMED BY

Jenna Walsh, CVT

## HOSPITAL NAME

Banfield of South

## REFERRING VET

Dr. Wright

## INVOICE

15906

## DATE

6/7/22

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 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.

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

## 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 was evident.

## Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

## ULTRASONOGRAPHIC FINDINGS

- Multiple urinary bladder calculi with concurrent cystitis
- Nonobstructive renal medullary mineral/small renoliths
- Vacuolar hepatopathy pattern
- Mild gallbladder debris (non-mucocele)

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Urine culture and sensitivity on sterile urine sample recommended. Hepatosupportive medications, including Denamarin and ursodiol may prove beneficial. Cushings syndrome is considered unlikely given the adrenal appearance and lack of reported clinical signs (i.e., PU/PD, polyphagia, etc.). Cystostomy with concurrent urinary bladder and hepatic biopsy for histopathology +/- urinary bladder tissue culture and sensitivity could be considered.





**PATIENT**

Pepper Batley

**SPECIES**

Canine

**BREED**

Australian Cattle Dog

**SEX**

Spayed Female

**AGE**

9 Years 10 Months

**WEIGHT**

30.4 Pounds

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Jenna Walsh, CVT

**HOSPITAL NAME**

Banfield of South  
Fusion

**REFERRING VET**

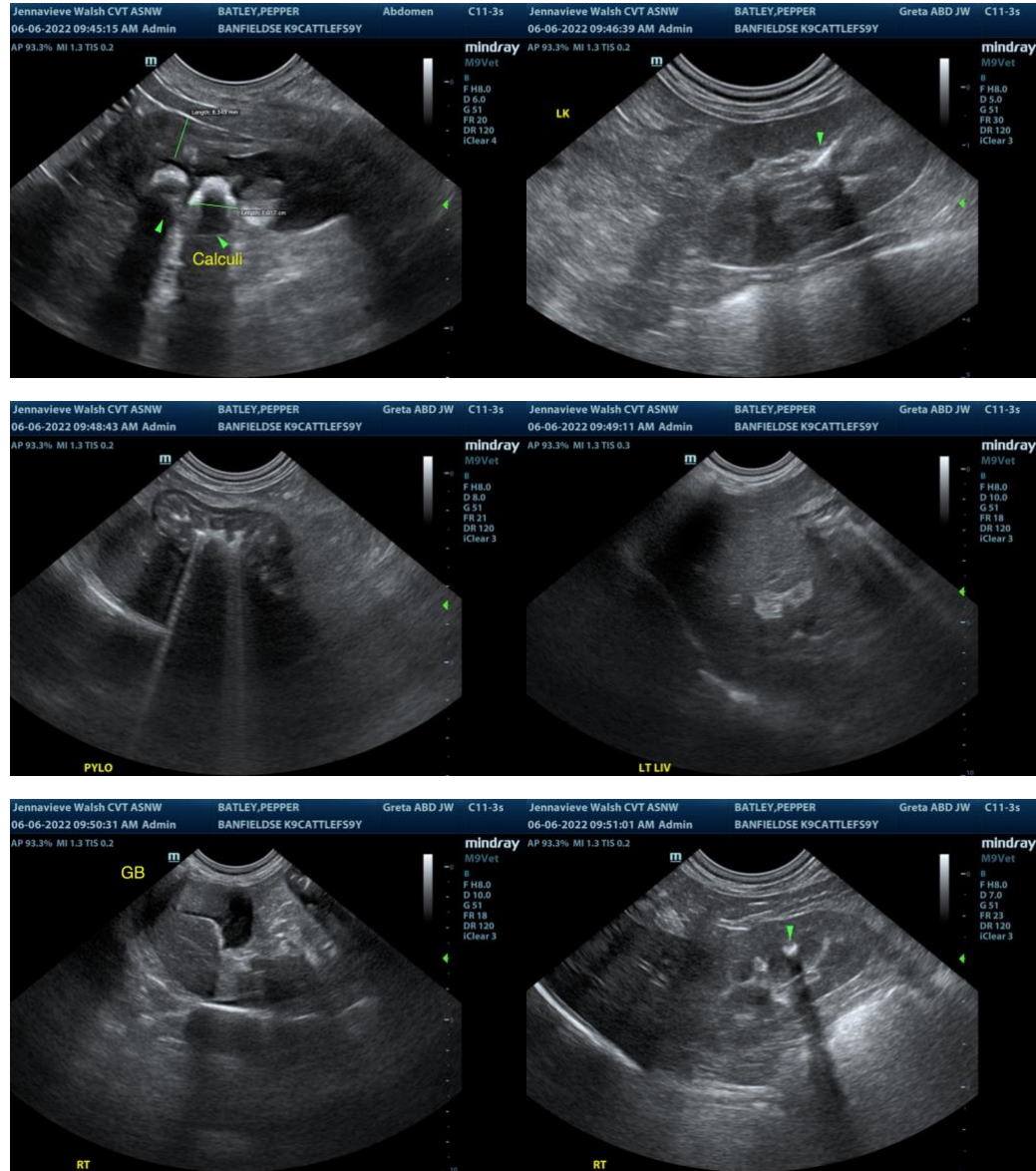
Dr. Wright

**INVOICE**

15906

**DATE**

6/7/22



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