

## PATIENT

Willow Fakkema

## PRESENTING CLINICAL SIGNS

## SPECIES

Canine

~urinary tract examination, incontinence for over 6 months ~  
Abnormal PE/Chem/CBC/UA Results: PE recessed vulva (june 2020) Recent Diagnostics: ~:  
~UA culture negative w/ no indication of infection (august 2022)~~

## BREED

Border Collie X

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

### Urinary System

The urinary bladder is moderately distended with anechoic urine. The Bladder wall, trigone, ureteral papillae and visible urethra (to a depth of 2cm) appear normal with no evidence of wall thickening, mucosal irregularities, masses or cystic calculi.

## SEX

Spayed Female

The left kidney has a normal shape and size (5.96 cm). Overall echogenicity is normal with adequate corticomedullary distinction and a typical 1:3 cortex:medulla ratio. There is no evidence of focal perinephric inflammation or effusion. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

## AGE

5 Years 9 Months

The right kidney has a normal shape and size (6.97 cm). Overall echogenicity is normal with adequate corticomedullary distinction and a typical 1:3 cortex:medulla ratio. There is no evidence of focal perinephric inflammation or effusion. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

## WEIGHT

72 Pounds

### Adrenal Glands

The left adrenal gland is normal in size measuring 0.67 cm at the caudal pole. It is observed in its normal position cranial to the left renal artery. It is normal in appearance (uniformly hypoechoic) and shape with no evidence of a mass effect.

## INTERPRETED BY

Kathleen Sennello DVM,  
MS, Diplomate ACVIM  
(Small Animal Internal  
Medicine)

The right adrenal gland is normal in size measuring 0.76 cm at the caudal pole. It is observed in its normal position between the cranial aspect of the right kidney and the caudal vena cava. It is normal in appearance (uniformly hypoechoic) and shape with no evidence of a mass effect.

## IMAGING BY

Loetitia Saint-Jacques,  
LVT

### Spleen

The spleen is subjectively normal in size, echotexture is homogenous, and the splenic capsule is smooth with no irregularities. The blood flow through the hilus and splenic parenchyma appears normal. No focal parenchymal abnormalities are visualized.

## HOSPITAL NAME

MountainView AH

### Liver

The liver is subjectively normal in size, and echogenicity with smooth peripheral margins. The parenchyma is homogenous echotexture. The visible portions of the vasculature and biliary tract appear normal. No focal nodules or cystic lesions are observed.

## REFERRING VET

Dr. Sarah Kalivoda

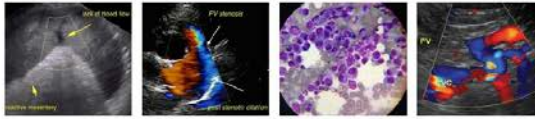
The gallbladder lumen is moderately distended. The wall of the gall bladder is not thickened and has a smooth mucosal surface. Luminal contents are mild and primarily anechoic. The cystic and common bile ducts are normal/not visible.

## INVOICE

41770

## DATE

9/29/22



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### **Gastrointestinal**

The stomach contains minimal luminal contents. It measures at a normal thickness of <0.7cm with some variability due to the presence of rugal folds. The distinction of the gastric wall layers is adequate and there is no impression of reduced peristaltic activity. No masses or focal lesions were observed.

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The visualized areas of duodenum, jejunum and ileum have a relatively uniform diameter with minimal fluid distension. Wall thickness is normal. Bowel loops follow a curvilinear path with distinct wall layering maintaining the typical 1:3 muscularis:mucosa layer ratio. The duodenum measured as normal (between 0.3-0.5cm in wall thickness) and the jejunum measured as normal (between 0.2-0.47cm.) Visualized peristalsis appears appropriate. There were no focal lesions consistent with obstruction or a mass effect observed.

## SEX

Spayed Female

The ileocecal junction was visualized and exhibited normal intact wall layering and is subjectively of normal thickness. Sections of colon are visualized with formed fecal material and gas shadowing distally. There is no observed focal or generalized colon wall thickening or loss of layering.

## AGE

5 Years 9 Months

### **Pancreas**

The pancreas is normal and isoechoic to surrounding mesentery. There is no evidence of nodules or cystic lesions. There is no evidence of regional mesenteric inflammation or fluid.

### **Free Abdomen**

There is no significant free fluid. There are prominent sublumbar lymph nodes noted measuring 0.75 cm and 0.88 cm. The omentum is of normal echogenicity.

## WEIGHT

72 Pounds

## ULTRASONOGRAPHIC FINDINGS

## INTERPRETED BY

Kathleen Sennello DVM,  
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- Moderate sublumbar lymphadenopathy

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No focal lesions are observed associated with the urinary tract. There is no obvious evidence of an ectopic ureter, diverticula, stones, mass effect, etc. Unfortunately, some of these cannot be definitively ruled out without a contrast study (contrast CT scan or IVP) but seem less likely.

## IMAGING BY

Loetitia Saint-Jacques,  
LVT

There are some prominent sublumbar lymph nodes. These are relatively isoechoic and likely inflammatory but continued monitoring is warranted.

## HOSPITAL NAME

MountainView AH

- Recommend treatment and diagnosis of urinary tract infections based solely on urinalysis, culture and sensitivity results.

- Recommend chronic probiotic therapy.

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- Recommend examination of the external anatomy, looking for juvenile vulva, etc.

- Also consider cystoscopy, vaginoscopy looking for external anatomic abnormalities contributing to these issues.

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**SEX**

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**AGE**

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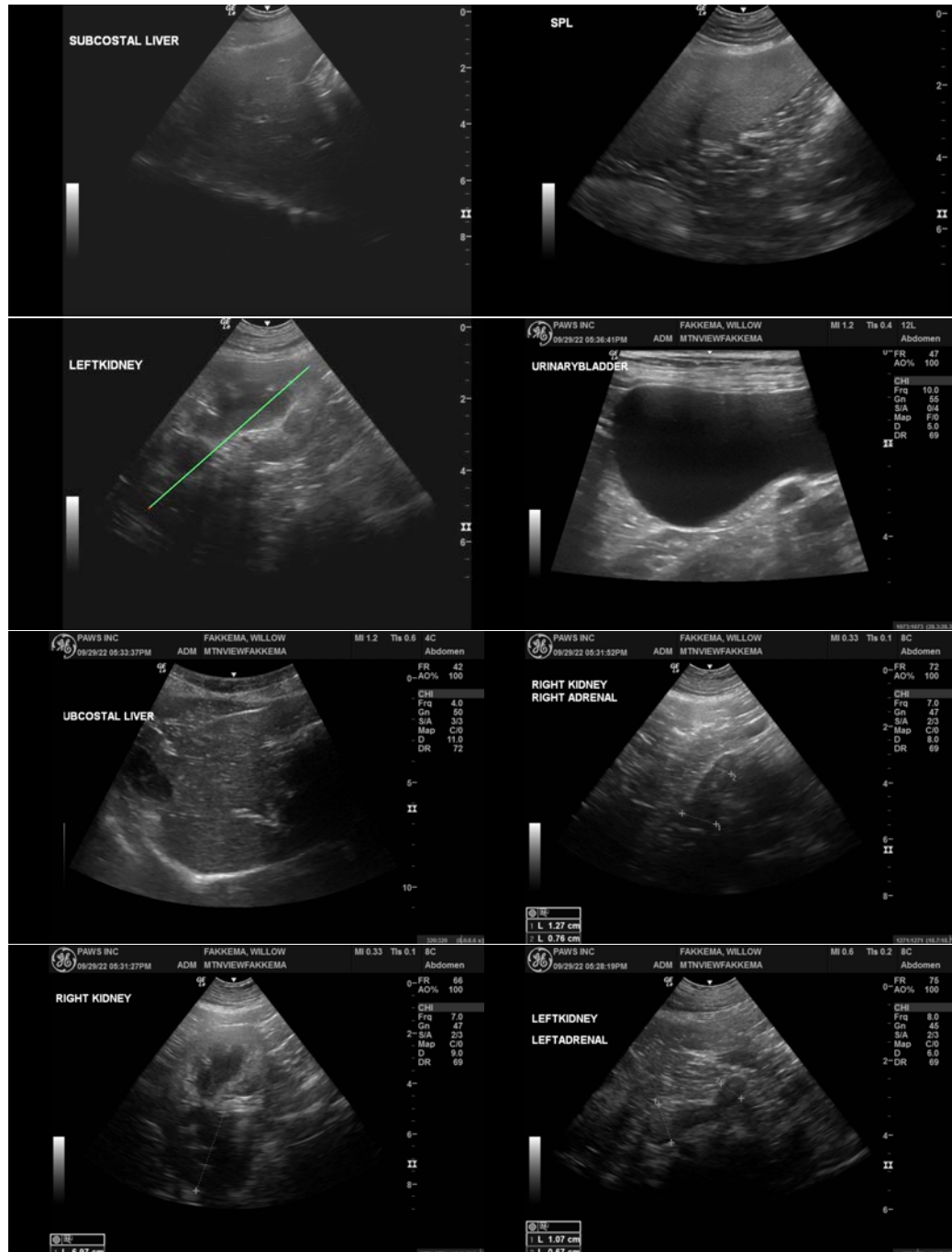
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**HOSPITAL NAME**

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**REFERRING VET**

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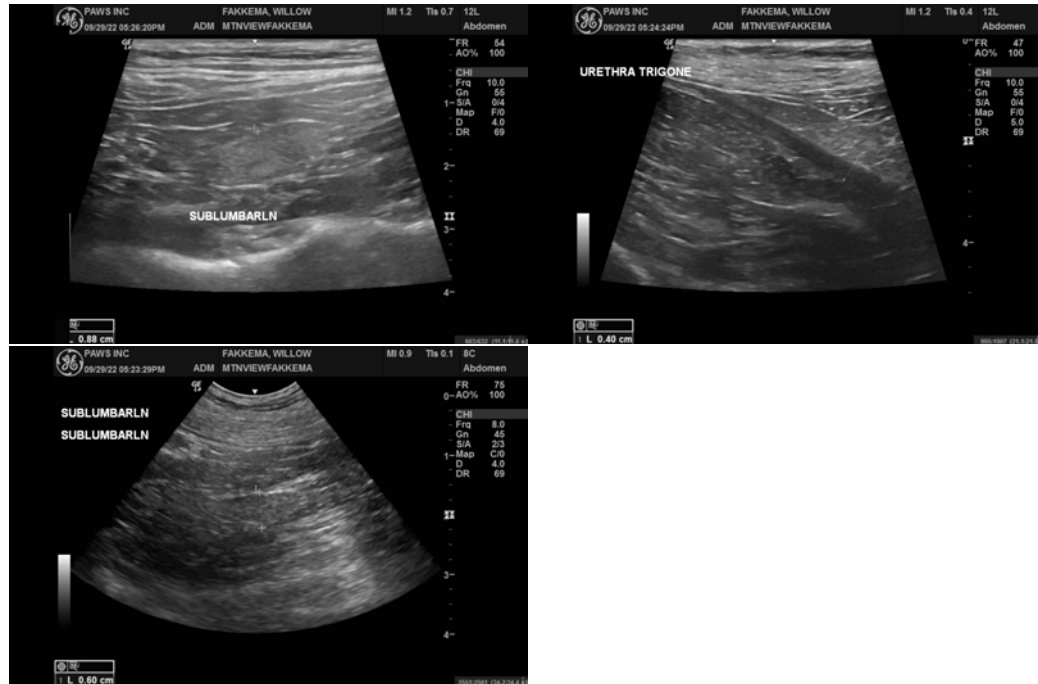
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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