



**PATIENT PRESENTING CLINICAL SIGNS**

Whiskers Yates Urinating blood for months. Was at previous vet getting treatment until yesterday when he presenting to our clinic. Very firm irregular bladder  
**SPECIES** Abnormal PE/Chem/CBC/UA Results: Slightly increased BUN and Creat in 2020, O wanting US first before performing more bw. No infection seen in urine per last clinic

Feline

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**BREED *Urinary System***

DSH

A large, expansive, non-homogeneous mass occupying the majority of the dorsal urinary bladder wall was present. The mass measured approximately 3.7 cm x 2.4 cm. Blood flow within the mass was confirmed on color doppler. The mass appeared to extend into the urinary bladder lumen, occupying at least 50% of the urinary bladder lumen, as well as extending into the dorsal pericystic space. Anechoic urine was present. No overt calculi. The urethra was normal in structure and tone to a depth of 2.0 cm.

**SEX**

Neutered Male

**AGE**

18 Years

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 loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. Pinpoint medullary mineralization was present. The left kidney measured 3.2 cm. The right kidney measured 3.4 cm.

**WEIGHT**

8.9 Pounds

***Adrenal Glands***

**INTERPRETED BY**

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

The adrenal glands were uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.52 cm in width. The right adrenal gland measured 0.46 cm in width.

***Spleen***

**IMAGING PERFORMED BY**

Heidi Putnam

The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present without evidence of nodular changes. 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. The parenchymal heterogeneity is likely consistent with benign changes such as extramedullary hematopoiesis or age related remodeling with minor potential for inflammatory or neoplastic disease. The spleen was normal in size measuring 0.54 cm in width.

**HOSPITAL NAME**

Pawsitive Wellness VC

***Liver***

**REFERRING VET**

Dr. Hardy

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 subnormal in size, likely owing to the presence of gastric ingesta. Potential for minor hyperechoic luminal debris present. The common bile duct was normal.

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24516

***Gastrointestinal***

**DATE**

8/10/21

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained echogenic, nonshadowing ingesta most consistent with post prandial presentation without signs of ileus, obstruction or foreign material. Gastric body wall measured 0.25 cm.



## PATIENT

Whiskers Yates

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine contained echogenic, nonshadowing ingesta consistent with normal food without signs of ileus, obstruction or foreign material. Jejunum wall measured 0.26 cm.

## SPECIES

Feline

Ileocolic wall measured 0.35 cm. Normal visible colon wall layers were present with apparent formed feces in lumen.

## Pancreas

## BREED

DSH

The pancreas was normal in size with asymmetrical contour and subtle hypoechoic to heterogeneous parenchyma compared to adjacent omentum.

## SEX

Neutered Male

## Free Abdomen

A solitary, mild to moderately enlarged, non-homogeneous to focally cystic medial iliac lymph node was present adjacent to the aortic trifurcation, measuring 1.8 cm x 1.0 cm.

## AGE

18 Years

No effusion.

## ULTRASONOGRAPHIC FINDINGS

## WEIGHT

8.9 Pounds

- Large, expansive urinary bladder mass – consistent with neoplasia, transitional cell carcinoma, squamous cell carcinoma, adenocarcinoma, or other possible.
- Non-homogeneous to focally cystic medial iliac lymphadenopathy – strong suspicion for focal metastasis.
- Hypoechoic to non-homogeneous pancreas – age related pancreatic changes suspected, minor potential for mild chronic active inflammation.
- Bilateral moderate chronic renal changes with pinpoint dystrophic medullary mineral

## INTERPRETED BY

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(Canine and Feline)

## IMAGING PERFORMED BY

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## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

This study confirms the presence of primary urinary bladder neoplasia with strongly suspected medial iliac lymphatic metastasis. This case is non-surgical. Palliative care, which may include as-needed analgesic +/- anti-inflammatory medications with monitoring of renal parameters and/or oncology consult, could be considered.

## HOSPITAL NAME

Pawsitive Wellness VC

## REFERRING VET

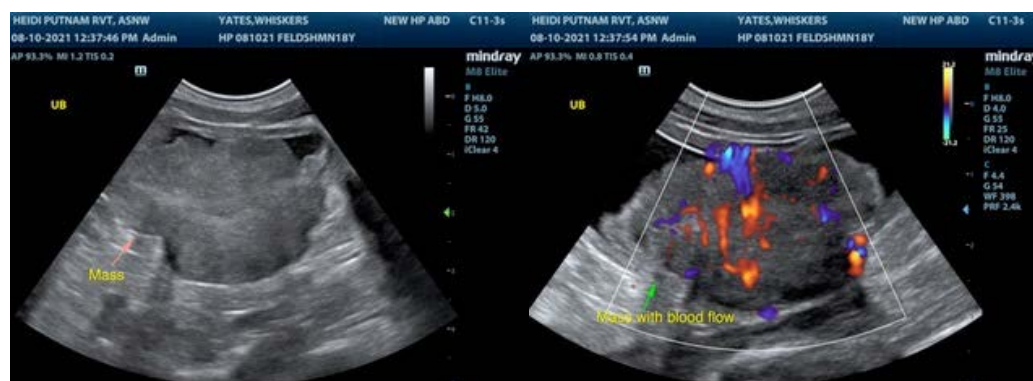
Dr. Hardy

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**PATIENT**

Whiskers Yates

**SPECIES**

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**BREED**

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**SEX**

Neutered Male

**AGE**

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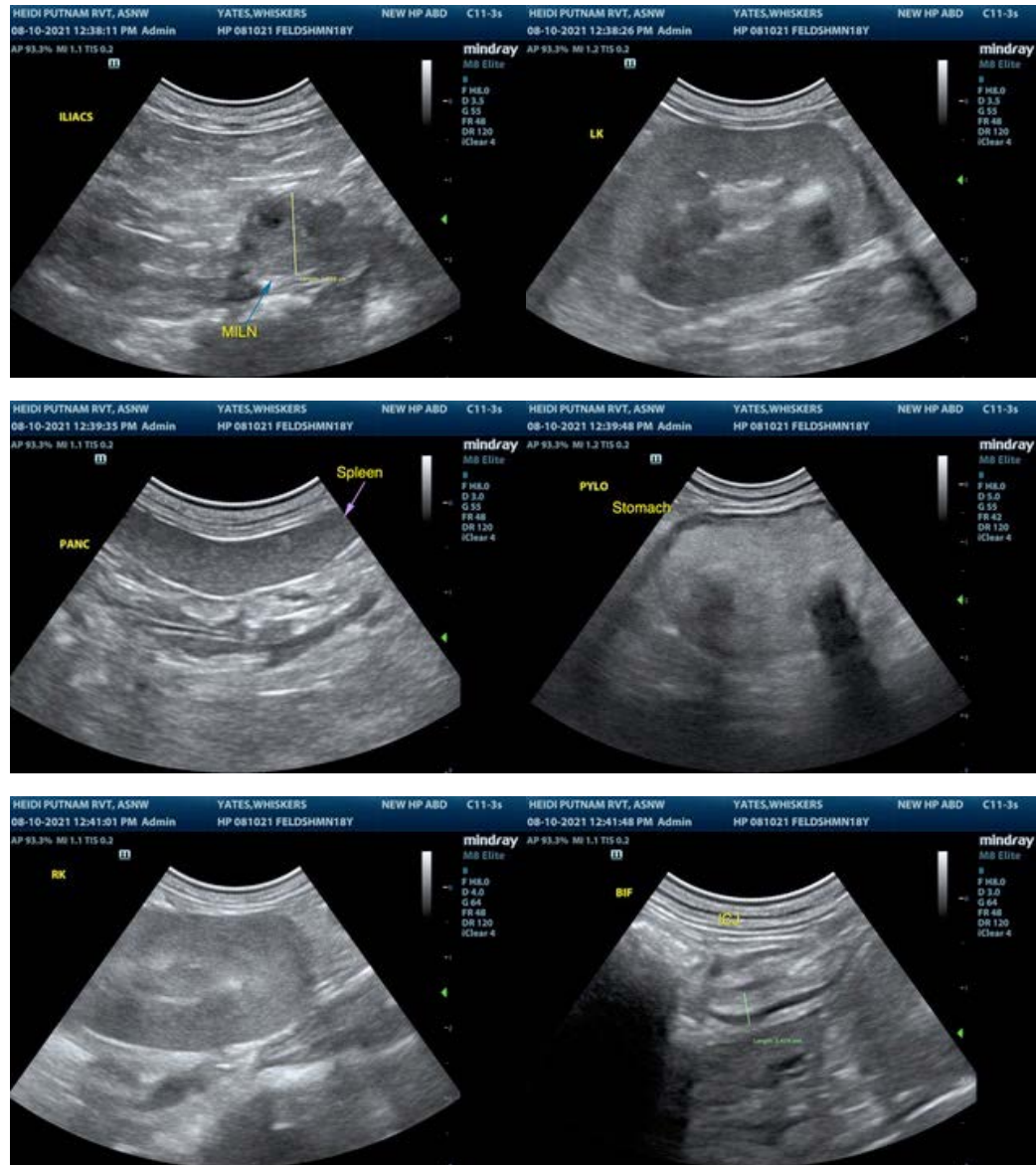
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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