



PATIENT PRESENTING CLINICAL SIGNS

Marshmallow Amaya History: Annual assessment and possible dental.

SPECIES Physical Examination: N/A.

Canine Urinalysis: 2+ protein, UPC 0.9.

CBC: N/A.

BREED Serum Biochemistry: Azotemia, mildly elevated ALT activity, elevated ALP activity.

Bichon Frise Mix Radiographic Findings: N/A.

SEX ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

MN **Urinary System**

AGE Full urinary bladder with a normal thickness and appearance of the wall. Small amount of hyperechogenic sediment present. No uroliths evident.

13 years Normal trigone area, proximal urethra, and iliac blood vessels.

WEIGHT 20.5 # Normal iliac lymph nodes. Ureters not visualized.

Normal renal size (left 4.5 cm, right 4.4 cm), with increased echogenic appearance, loss of cortico-medullary differentiation, and normal capsule. Normal left pelvis and right pyelectasia. Small renolith (0.5 cm) in the right pelvis.

INTERPRETED BY Remo Lobetti, BVSc, MMedVet (Med), PhD, Dipl. ECVIM

Reproductive System
Small hypoechogenic prostate (1.1 cm).

IMAGING PERFORMED BY Dr Paul Kim **Adrenal Glands**

Normal shape, echogenic appearance, position, and size. Left 1.69 x 0.43 cm, right 1.79 x 0.56 cm.

HOSPITAL NAME Ridgefield Park Animal Hospital **Spleen**

Normal size and echogenic appearance. Smooth homogenous parenchyma, regular curvilinear capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes evident.

REFERRING VET Dr Paul Kim **Liver**

INVOICE 304186 Normal size with a coarse echogenic appearance, some loss of portal markings, and regular curvilinear capsule. No nodules or masses evident.

Gall bladder

DATE 5/3/23 Small gall bladder containing normal anechoic bile. Normal thickness and appearance of the gall bladder wall. Normal bile duct.



PATIENT *Gastrointestinal*

Marshmallow Amaya Normal appearance of the stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness, and no distension of the lumen. Fluid within the stomach. Fecal material within the colon.

SPECIES

Canine *Pancreas*

Normal size (left 0.7 cm, right 1.1 cm) and echogenic appearance. Regular capsule. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

BREED

Bichon Frise Mix *Free Abdomen*

SEX No mesenteric lymphadenomegaly.
No ascites evident.

MN

AGE

13 years

ULTRASONOGRAPHIC FINDINGS

Primary Findings:

- Renal disease.
- Hepatopathy.

WEIGHT

20.5 #

Secondary Findings:

- Urinary bladder sediment.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The appearance of the kidneys is typical for chronic disease with bacterial nephritis and pyelonephritis differential or contributing diagnoses.

IMAGING PERFORMED BY

Dr Paul Kim

Etiologies for the liver would be reactive, hyperplasia, vacuolar, early nodular hyperplasia, chronic hepatitis, granulomatous disease, and infiltrative neoplasia.

HOSPITAL NAME

Further assessment would be urine culture, blood pressure, and FNA cytology of the liver.

Ridgefield Park Animal
Hospital

Specific therapy would be dependent on an etiological diagnosis. Symptomatic management would be renal diet, enteric phosphate binders (as needed), and ursodiol.

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PATIENT

Marshmallow Amaya

SPECIES

Canine

BREED

Bichon Frise Mix

SEX

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13 years

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IMAGES

Left kidney



Right kidney





PATIENT Liver

Marshmallow Amaya

SPECIES

Canine

BREED

Bichon Frise Mix

SEX

MN

AGE

13 years

WEIGHT

20.5 #



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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.

Remo Lobetti, BVSc, MMedVet (Med), PhD, Dipl. ECVIM (Internal Medicine)
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