



PATIENT PRESENTING CLINICAL SIGNS

Barney Clemons History: CKD, elevated liver values, soft stool, UTI

SPECIES Medication: Rimadyl, Gabapentin, Clavamox, Ursodial

Canine HCT 29.5, Reticulocytes 9.3, WBC 8.5 with normal differential, BUN 94, Creatinine 1.8, PHOS 7.2

ALP 264, ALT 156

BREED ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Schnauzer **Urinary System**

SEX The urinary bladder, trigone, and cystourethral junction 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.

AGE The prostate was enlarged in size with intact, symmetrical capsule contour. The margins of the gland were intact and able to be differentiated from the surrounding tissue. The prostatic parenchyma was mildly echogenic to heteroechoic without parenchymal mineralization. The prostate measured 5.3 cm x 3.1 cm.

WEIGHT The area of the aortic trifurcation was free of pathology.

21 Pounds 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 to moderate loss of corticomedullary symmetry and definition expected for the age of the patient. Subtle cortical hypertrophy was noted in both kidneys along with focal nonobstructive areas of medullary mineral. A focal cortical cyst was present in the left kidney. No evidence of pelvic dilation was present. The left kidney measured 5.6 cm in length. The right kidney measured 5.1 cm in length.

INTERPRETED BY

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

IMAGING PERFORMED BY

Rebekah Jakum, CVT
ARDMS/RVT

HOSPITAL NAME

Maple Hills VH

REFERRING VET

Dr. Eckman

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Adrenal Glands

The bilateral adrenal glands were normal in size. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia. The left adrenal gland measured 1.78 cm length x 0.65 cm width in the caudal pole. The right adrenal gland measured 2.0 cm length x 0.64 cm width in the caudal pole.

Spleen

The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present. Pinpoint, hyperechoic parenchyma foci, suggestive of pinpoint areas of microinfarction, fibrosis, or emerging mineralization, were present. These are considered benign splenic 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.



PATIENT *Liver/ Gallbladder*

Barney Clemons 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. Moderate, nondependent, mildly congealed gallbladder debris with suspected areas of luminal mucus, was present. No evidence of peripheral inflammation was noted. The cystic and common bile ducts were normal.

SPECIES

Canine

BREED

Gastrointestinal

Schnauzer

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 width measured 0.32 cm.

SEX

Male

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. Segmental jejunal mucosal speckling was present. The lumen of the small intestine was empty with no signs of ileus, obstruction, or foreign material. The jejunum wall width measured 0.38 cm.

AGE

11 years

Normal visible colon wall layers were present with subjective semi-formed feces in lumen.

Pancreas

WEIGHT

21 Pounds

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.

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Free Abdomen

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No overt lymphadenopathy or peritoneal effusion was present.

ULTRASONOGRAPHIC FINDINGS

IMAGING PERFORMED BY

Primary Findings

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- Benign prostatic hyperplasia, minor potential for prostatitis
- Bilateral chronic renal changes with nonobstructive medullary mineral and left kidney cyst
- Hepatopathy with generalized parenchymal remodeling - subjectively benign
- Moderate gallbladder debris - possible early / emerging gallbladder mucocele
- Suspect segmental enteritis

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

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Baseline renal staging to include UPC level on a sterile urine sample is recommended. Recheck urine C/S 7 days post completion of the current antibiotic would be appropriate. In addition to Ursodiol, hepatosupportive medications including Denamarin may prove beneficial with monitoring of liver parameters or for evidence of increasing cholestasis. A limited antigen or hydrolyzed diet trial and high colony count probiotics such as Provable may prove beneficial.

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PATIENT

Barney Clemons

SPECIES

Canine

BREED

Schnauzer

SEX

Male

AGE

11 years

WEIGHT

21 Pounds

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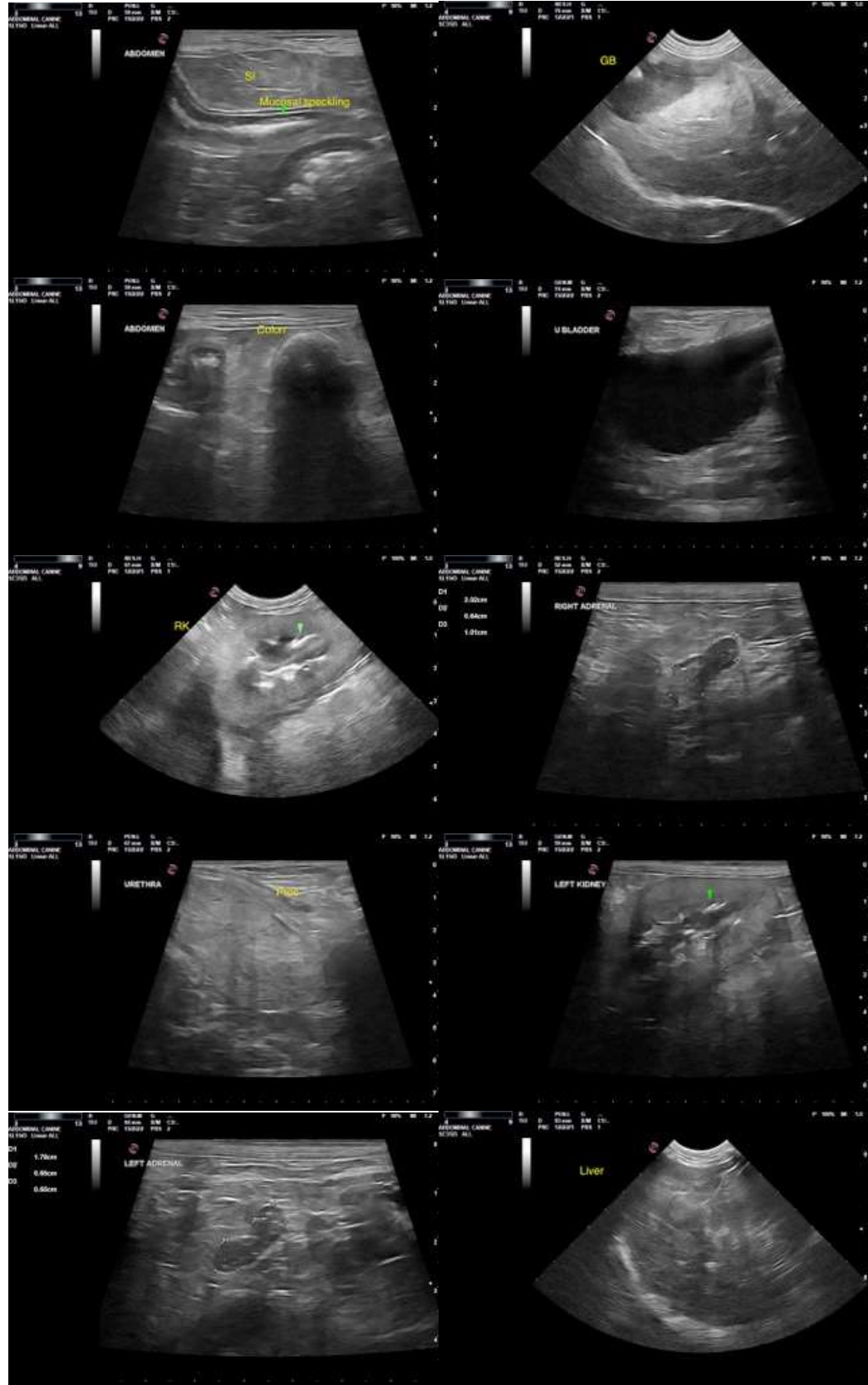
Dr. Eckman

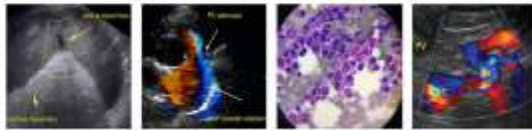
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PATIENT

Barney Clemons

SPECIES

Canine

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.

BREED

Schnauzer

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.

SEX

Male

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AGE

11 years

WEIGHT

21 Pounds

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