

PATIENT PRESENTING CLINICAL SIGNS

Mongo Chesnick History: Collapse, decreased appetite, lethargic, panting Keflex 1500 BID

SPECIES Abnormal PE/Chem/CBC/UA Results: CBC HCT 36.2 WBC 26.5 neutrophilia and monocytosis, unremarkable Chem panel

Canine **ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

BREED *Urinary System*

English Mastiff The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 5 cm 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.

SEX The prostate was mildly 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 7 cm x 5 cm.

AGE 10 years No overt pathology associated with the left or right testicles.

WEIGHT 190 pounds The area of the aortic trifurcation was free of pathology.

Normal size and margination was 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. The left kidney measured 8.6 cm in length. The right kidney measured 8.8 cm in length.

INTERPRETED BY

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

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.70 cm width at the caudal pole and 0.60 cm width at the cranial pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.62 cm width at the caudal pole and 0.95 cm width at the cranial pole.

IMAGING PERFORMED BY
 Rebekah Jakum, CVT
 ARDMS/RVT

Spleen

A mass involving the cranial spleen with secondary asymmetrical capsule expansion and disruption was present and measured 10 cm x 9 cm. The parenchyma of the mass was heterogeneous to mixed echogenic with areas of cavitation. The non-affected spleen exhibited subtle parenchymal heterogeneity. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Regional perisplenic mildly nonuniform mesentery and scant free fluid primarily around the splenic mass.

HOSPITAL NAME

Littlestown VH

REFERRING VET

Dr. Kubala

Liver/ Gallbladder

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. No overt evidence of hepatic masses or nodules.

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The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.



PATIENT *Gastrointestinal*

Mongo Chesnick 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.

SPECIES 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.

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

BREED *Pancreas*

English Mastiff 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.

SEX *Free Abdomen*

Male No evidence of overt intra-abdominal lymphadenopathy.

AGE *Cardiac*

10 years Rapid right auricle view of the heart revealed no evidence of pericardial masses or effusion in the visible window.

WEIGHT

190 pounds

ULTRASONOGRAPHIC FINDINGS

- Cavitated to nonhomogeneous splenic mass, associated regional mildly nonuniform perisplenic mesentery and likely minor free fluid.
- Mild hepatic parenchymal remodeling.
- Mild age-related kidneys.
- Benign prostatic hyperplasia.

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(Canine and Feline)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

This study confirms the presence of a solitary splenic mass as the likely cause of the patient's lab work abnormalities and clinical signs. Considerations include hyperplasia, hematopoiesis, granuloma, necrosis/infection/abscess, splenitis with primary concern for neoplasia such as sarcoma or other. Overt evidence of major organ metastasis was not sonographically evident yet potential for regional omental seeding and/or micro metastasis cannot be excluded. Without evidence of cardiac pathology and assuming no evidence of thoracic pathology on three view chest radiographs, laparotomy with expectation of splenectomy, gross inspection of the peri splenic omentum and liver could be considered.

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PATIENT

Mongo Chesnick

SPECIES

Canine

BREED

English Mastiff

SEX

Male

AGE

10 years

WEIGHT

190 pounds

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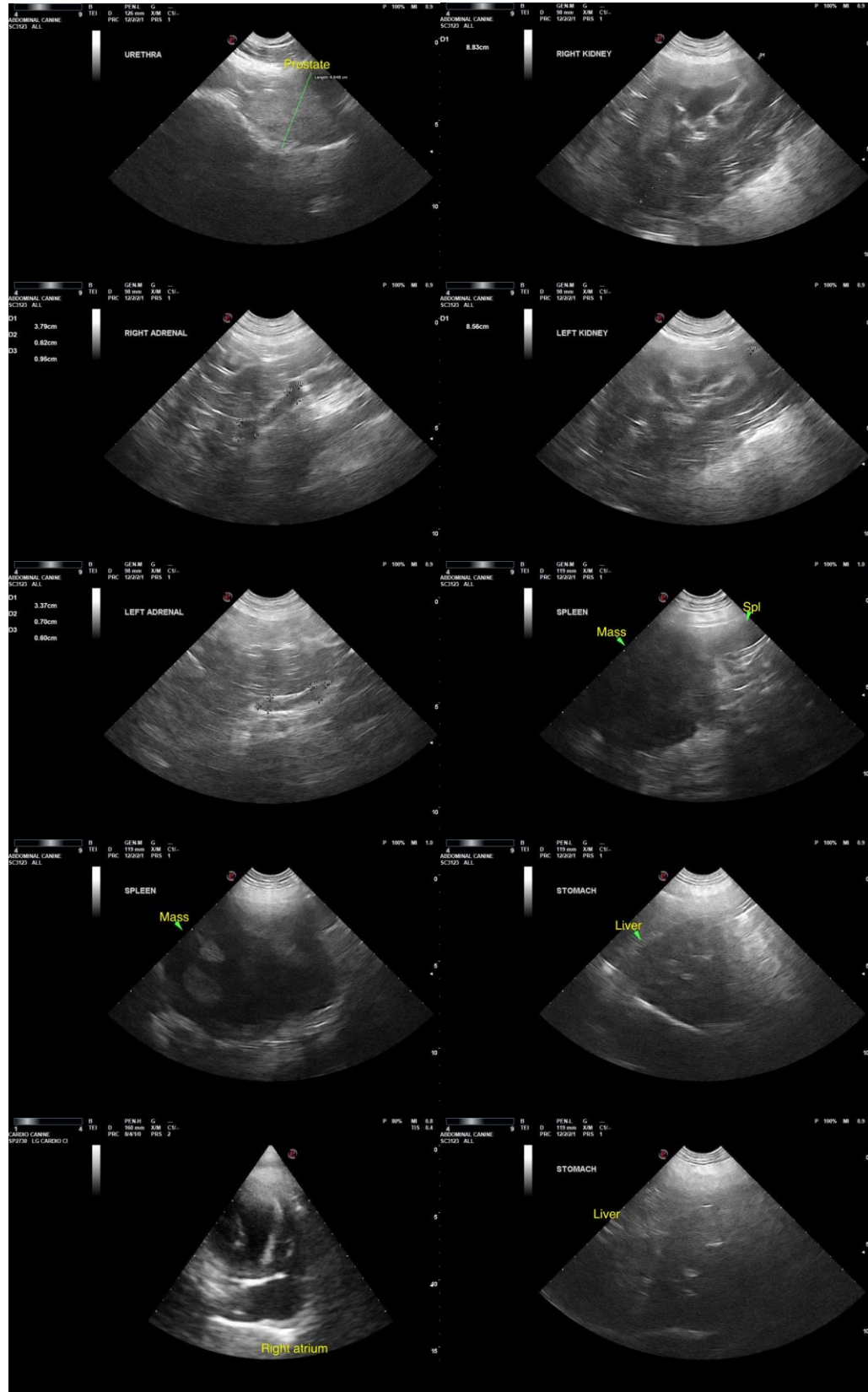
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PATIENT

Mongo Chesnick

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.

SPECIES

Canine

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.

BREED

English Mastiff

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SEX

Male

AGE

10 years

WEIGHT

190 pounds

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