

**PATIENT**

Chevy Barna 56064A

SPECIES

Canine

BREED

Golden Retriever

SEX

Neutered Male

AGE

10 Years 7 Months

WEIGHT

33 kg

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Tom McNeill

HOSPITAL NAME

SVS Imaging CT

REFERRING VETMason VS -
Dr. McKelvey**INVOICE**

44393

DATE

1/20/23

PRESENTING CLINICAL SIGNS

Chevy presented to the MVS Emergency Service on Jan 19, 2023, at 5:45pm, for evaluation of stranguria. Within the last 2-3 days Chevy started straining to urinate, dribbling urine, and wanting to go outside frequently. Owners brought to pcDVM and were referred to us for further care. Chevy is eating and drinking normally. Per owners, pcDVM was concerned about an obstruction in the bladder. He is still producing urine, just in small amounts. He was admitted for hospitalization overnight with a urinary catheter placed in preparation for abdominal ultrasound.

Abnormal PE/Chem/CBC/UA Results: Plasma Chemistry Profile with Electrolytes: Sodium 163 mmol/L (H) Cholesterol 325 mg/dL (H) CBC: Lymphocytes 0.75 K/uL (L) Urinalysis: Collected Via cauterization Color - orange Clarity - opaque SG - >1050 pH - 8.0 Pro - 500 mg/dL Glu - neg Ket - 15 mg/dL UBG - 1 Bil - 3 BLD - 250 ery/uL WBC - 10/HPF RBC - >50/HPF Bacteria - none Sq Epi - none Non-sq Epi - <1/HPF Casts - none Crystals - none

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**Urinary System**

The **urinary bladder** revealed a moderate amount of debris and a trace amount of sand. Foley catheter was in proper position. Minor bladder wall thickening noted. The pelvic urethra was unremarkable.

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The right kidney measured 6.85 cm. The left kidney measured 6.83 cm.

Adrenal Glands

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The right adrenal gland measured 0.75 cm at the cranial pole and 0.73 cm at the caudal pole. The left adrenal gland measured 0.81 cm at the caudal pole and 0.71 cm at the cranial pole.

Spleen

The **spleen** was mildly enlarged and presented multifocal hypoechoic nodules, the largest of which measured 3.2 cm x 1.37 cm. Other smaller nodules noted.

Liver

The **liver** was subjectively small and revealed minor hypoechoic non-disruptive nodular changes measuring up to 1.6 cm. The gallbladder and common bile duct were unremarkable other than minor overdistention and minor debris.

Gastrointestinal

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted.

IMAGING PERFORMED BY

SVS Mobile Imaging CT 262-366-5970
fredgromalak@gmail.com



EDUCATIONAL TELECONSULTATION SERVICES™
1-800-838-4268 info@sonopath.com SonoPath.com

PATIENT

Chevy Barna 56064A

SPECIES

Canine

BREED

Golden Retriever

SEX

Neutered Male

AGE

10 Years 7 Months

WEIGHT

33 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Tom McNeill

HOSPITAL NAME

SVS Imaging CT

REFERRING VET

Masison VS -
Dr. McKelvey

INVOICE

44393

DATE

1/20/23

Pancreas

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

Free Abdomen

A reactive mesenteric lymph node was noted, measuring 1.09 cm x 0.77 cm. Other lymph nodes were mildly enlarged up to 0.54 cm, rounded.

ULTRASONOGRAPHIC FINDINGS

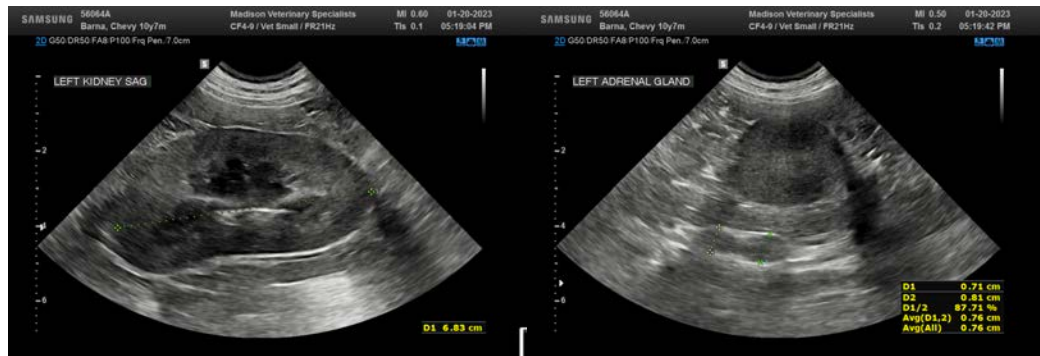
- Chronic cystitis bladder with debris
- Mildly enlarged spleen with nodular changes
- Minor heterogeneous hepatic changes
- Multifocal abdominal lymphadenopathy
- Age related renal changes

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Ultrasound guided FNA of the splenic nodules, liver nodules recommended as well as full urinary workup with culture and sensitivity and treatment for UTI. Concern for emerging round cell neoplasia in this patient versus splenitis/reactive lymph nodes and nodular hyperplasia. Sampling is essential. Prognosis is guarded depending upon cytology results.

Chronic UTI Protocol

I recommend **Enrofloxacin** (5-10 mg/kg SID PO) (In patients > 1 year of age) in late pm after urination to maximize urinary concentrations overnight. This assumes that culture supports this use. Repeat **culture** at 3-4 weeks and continue treatment at least 7-10 days post negative urinary sediment and negative culture. *Note: Negative culture does not necessarily mean lack of UTI.* Other favorite antibiotics for chronic UTI include third generation Cefa (Ceftiafur or similar s.i.d. injectable) or Clavamox. If suspicion of occult urinary incontinence is present then **phenylpropanolamine (PPA)** (1-2 mg/kg BID) can be employed long term to enhance urethral tone.



IMAGING PERFORMED BY

SVS Mobile Imaging CT 262-366-5970
fredgromalak@gmail.com



EDUCATIONAL TELECONSULTATION SERVICES™
1-800-838-4268 info@sonopath.com SonoPath.com

PATIENT

Chevy Barna 56064A

SPECIES

Canine

BREED

Golden Retriever

SEX

Neutered Male

AGE

10 Years 7 Months

WEIGHT

33 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUS

IMAGING PERFORMED BY

Tom McNeill

HOSPITAL NAME

SVS Imaging CT

REFERRING VET

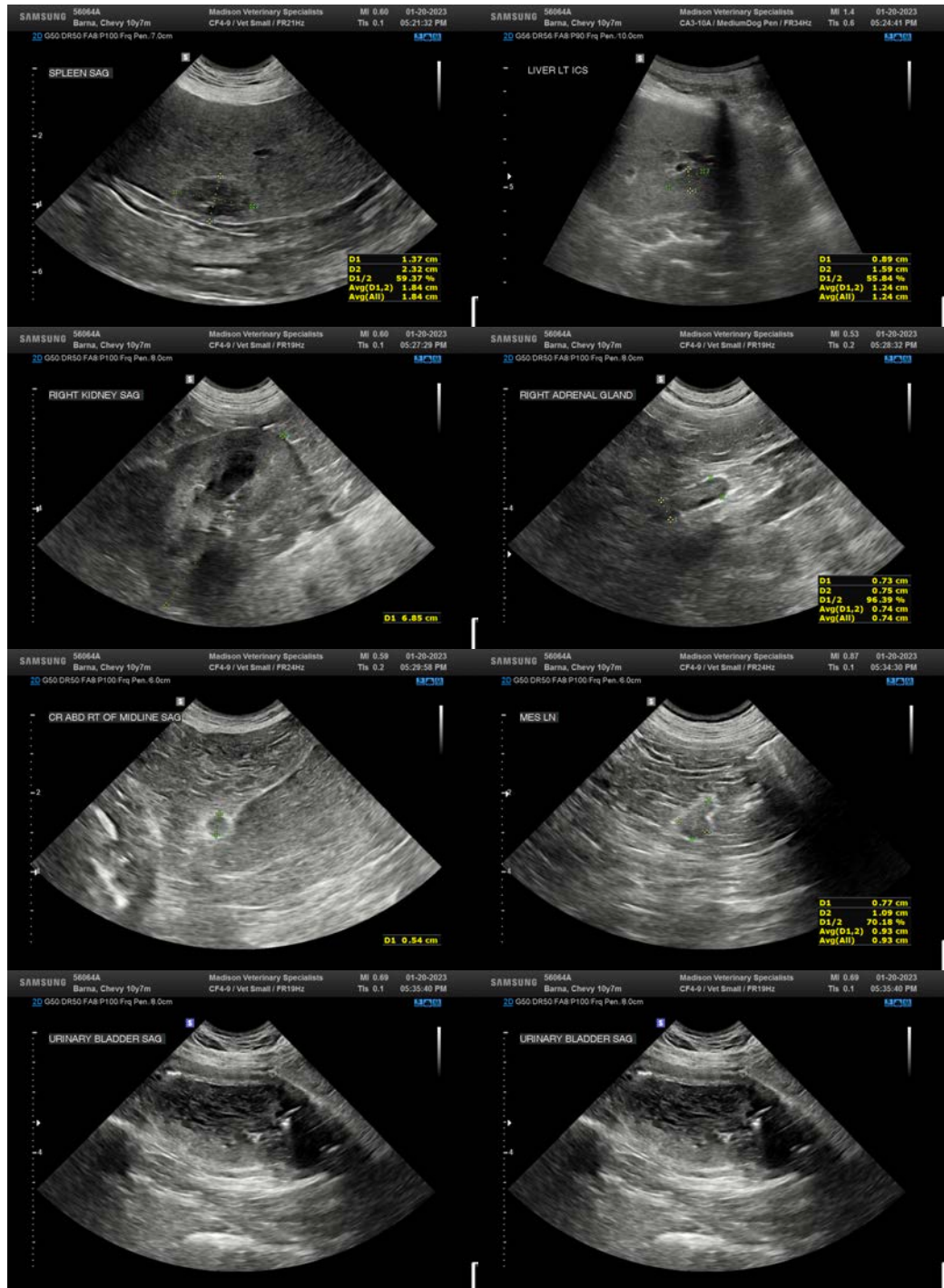
Masison VS -
Dr. McKelvey

INVOICE

44393

DATE

1/20/23



IMAGING PERFORMED BY

SVS Mobile Imaging CT 262 - 366 - 5970
fredgromalak@gmail.com



EDUCATIONAL TELECONSULTATION SERVICES™
1-800-838-4268 info@sonopath.com SonoPath.com

PATIENT

Chevy Barna 56064A

SPECIES

Canine

BREED

Golden Retriever

SEX

Neutered Male

AGE

10 Years 7 Months

WEIGHT

33 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Tom McNeill

HOSPITAL NAME

SVS Imaging CT

REFERRING VET

Masison VS -
Dr. McKelvey

INVOICE

44393

DATE

1/20/23



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.

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com

info@SonoPath.com