



PATIENT

PRESENTING CLINICAL SIGNS

Bentley Dunn

History: Lethargic 2 days, Quiet

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: Dog is walking about eating, quieter than normal. Pale pink MM Reg anemia, HCT 17.1 %Low HGB, RBC, Increased Retic , WBC 23 (N 5-16), Neuts 19, Mono 2.2 , Plt Normal

BREED

Bernese Mtn. Dog

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

SEX

Male

Urinary System

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. No uroliths or sediment were visualized, and anechoic urine was present. No evidence of inflammatory or neoplastic changes were noted. Ureteral papillae were normal.

AGE

6 Years 2 Months

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The right kidney measured 7.75 cm. The left kidney measured 7.75 cm.

WEIGHT

45.65 kg

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 left adrenal gland measured 3.92 cm x 0.55 cm at the cranial pole and 0.55 cm at the caudal pole. The right adrenal gland measured 0.6 cm maximum width.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Spleen

The **spleen** was fairly normal in size and revealed subtle heterogenous parenchymal changes. Caudal folding of the spleen was noted yet cannot be connected to the mid abdominal mass. Inflammation and undifferentiated tissue proliferation was noted in the splenic hilus, consistent with a multicentric round cell neoplastic pattern. Concurrent thrombosis is also noted in the splenic vein.

IMAGING PERFORMED BY

Dr. Brian Barnes

Liver

The **liver** was mildly swollen and slightly irregular. The gallbladder and common bile duct were unremarkable. A comet tail lung pattern was noted through the diaphragm, may be indicative of thoracic spread. Slight microconsolidations of the caudal alveoli were noted.

HOSPITAL NAME

West VH

REFERRING VET

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Gastrointestinal

The **stomach** wall was thickened with an infiltrative pattern, creating a mass in the pyloric antrum. Enhanced surrounding mesentery was present. The small intestine and colon were unremarkable.

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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.

DATE

1/7/23



PATIENT

Free Abdomen

Bentley Dunn

A mixed expansive hypoechoic undifferentiated **mesenteric lymph node mass** was noted, measuring 5.8 cm, strongly suggestive for round cell neoplasia. The mass could not be undifferentiated from the intestine.

SPECIES

Canine

ULTRASONOGRAPHIC FINDINGS

BREED

Bernese Mtn. Dog

- Micronodular spleen, distorted splenic lymphadenopathy and thrombosis in the splenic vein - multicentric round cell neoplastic pattern involving the mesenteric mass and gastric mass
- Mildly swollen, slightly irregular liver (possible early hepatic involvement)
- Comet tail lung pattern through the diaphragm (may be indicative of thoracic spread) and slight microconsolidations of the caudal alveoli

SEX

Male

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

AGE

6 Years 2 Months

FNA of the spleen, mesenteric mass and gastric mass all indicated. CBC path review warranted with bone marrow aspirate. The anemia may be deriving from GI blood loss or possible bone marrow disease.

WEIGHT

45.65 kg

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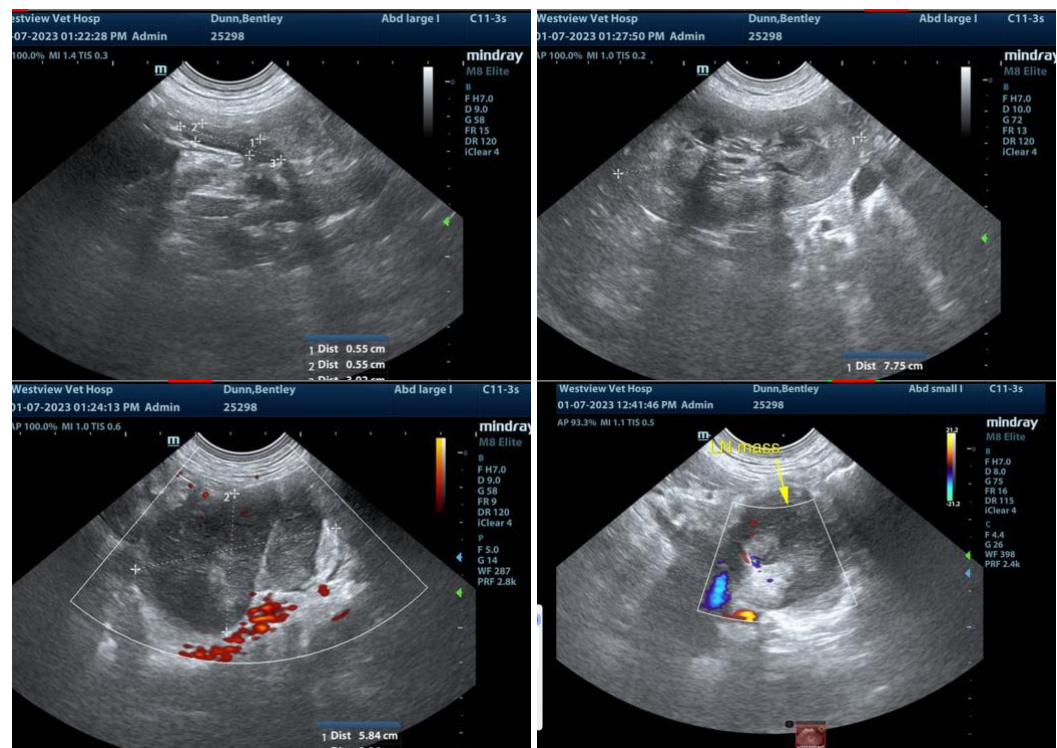
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SPECIES

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BREED

Bernese Mtn. Dog

SEX

Male

AGE

6 Years 2 Months

WEIGHT

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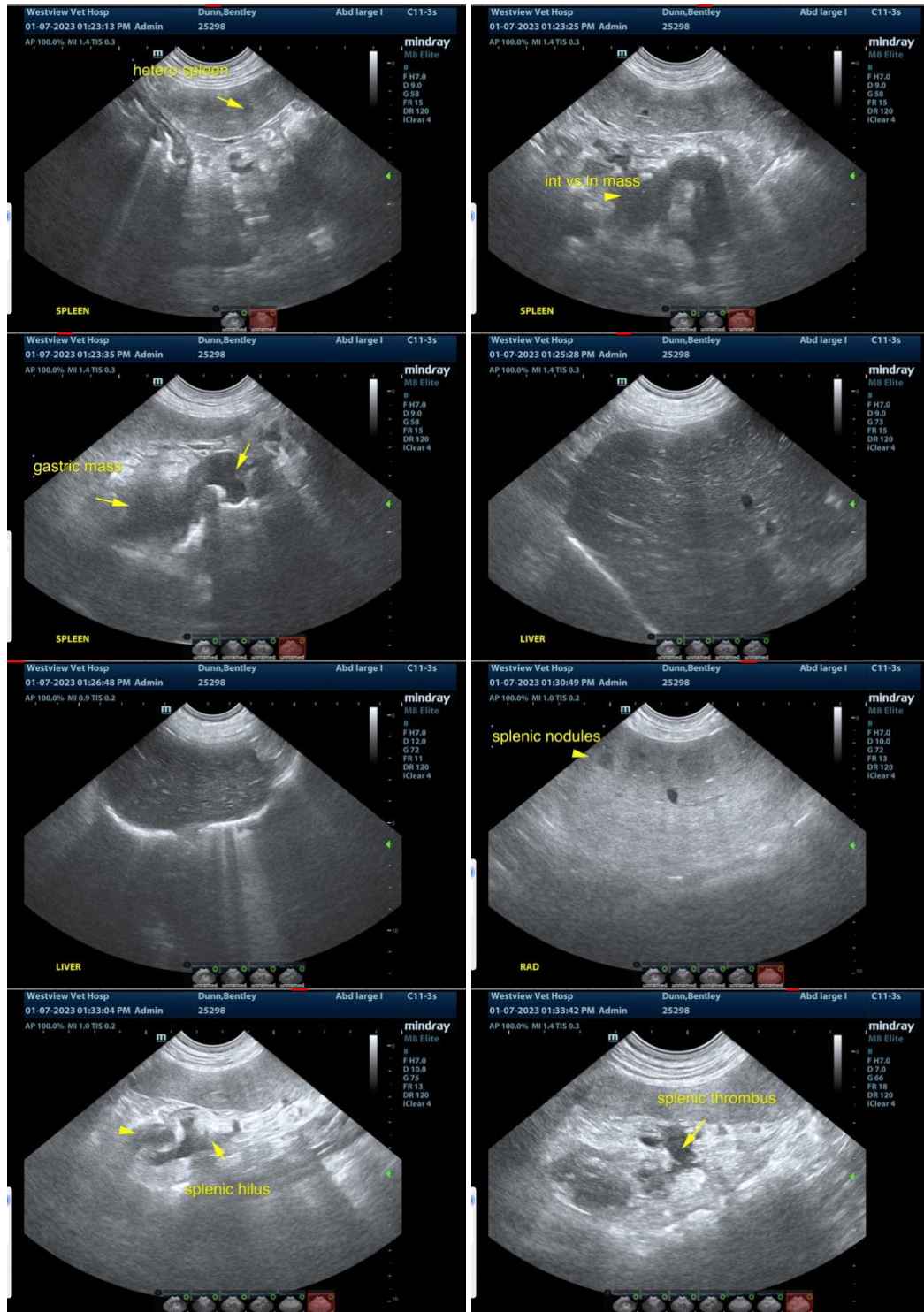
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I



PATIENT

can be of any further assistance please contact me.

Bentley Dunn

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BREED

Bernese Mtn. Dog

SEX

Male

AGE

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WEIGHT

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