



**PATIENT PRESENTING CLINICAL SIGNS**

Cooper Dante  
Liver mass.  
Abnormal PE/Chem/CBC/UA Results: K 5.8, Na/K 26, Plt Ct 430

**SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

Canine

**Urinary System**

BREED

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. The pelvic urethra was imaged 3.0 cm beyond the cystourethral junction.

Beagle

SEX

The residual prostate measured 6.0 mm.

Neutered Male

AGE

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 5.7 cm. An anechoic cyst was noted in the left kidney measuring 0.58 cm. The left kidney measured 5.67 cm.

11

WEIGHT

**Adrenal Glands**

27 Pounds

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 2.19 cm x 1.2 cm at the cranial pole and 0.97 cm at the caudal pole. The left adrenal gland measured 2.14 cm x 0.68 cm at the caudal pole and 0.77 cm at the cranial pole.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**Spleen**

IMAGING

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes were noted.

PERFORMED BY

Jessica Miller

**HOSPITAL NAME**

Companion AH  
Parsippany

**Liver**

**REFERRING VET**

Dr. Tsai

The **liver** presented mild coarse architecture, mild generalized remodeling, and slight increased portal markings. The right medial liver revealed a 1.7 cm x 1.8 cm isoechoic nodule with minor capsular expansion. This does not appear particularly aggressive and is largely embedded in the theme of the liver. Nodular hyperplasia likely, minor potential for carcinoma. The gallbladder revealed slight echogenic wall and minor dependent debris. Portal vein to vena cava ratio was 1:1.

**INVOICE**

43824

**Gastrointestinal**

DATE

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. No associated abnormal lymphatic activity was noted.

7/6/23



**PATIENT** *Pancreas*

Cooper Dante

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Some parenchymal remodeling, however, with mild deviation from curvilinear normalcy was observed. Pancreatic duct and capsular irregularities were present consistent with age related changes. If pain upon imaging (+ Murphy sign) was present or if the patient is focally painful in subxyphoid palpation then low-grade smoldering chronic pancreatitis should be suspected.

**SPECIES**

Canine

**BREED**

Beagle

**ULTRASONOGRAPHIC FINDINGS**

- Largely age related hepatic changes with an isoechoic nodule
- Age related pancreatic changes

**SEX**

Neutered Male

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Ultrasound guided FNA could be considered or recheck in 3 months to assess for any progression. No significant disruption of architecture noted. Likely benign, however should be monitored. I would categorize this lesion as a liver nodule, likely encompassed in largely an age related process. Mild potential for emerging neoplasia.

**AGE**

11

**WEIGHT**

27 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

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**HOSPITAL NAME**

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Parsippany

**REFERRING VET**

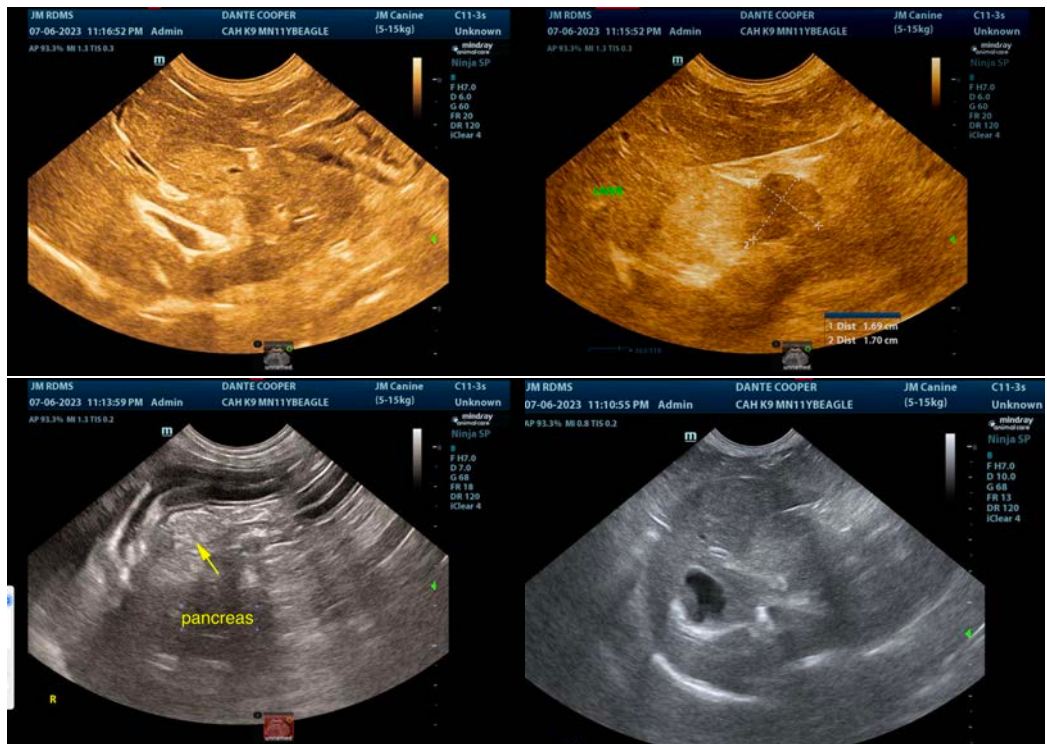
Dr. Tsai

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**PATIENT**

Cooper Dante

**SPECIES**

Canine

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**SEX**

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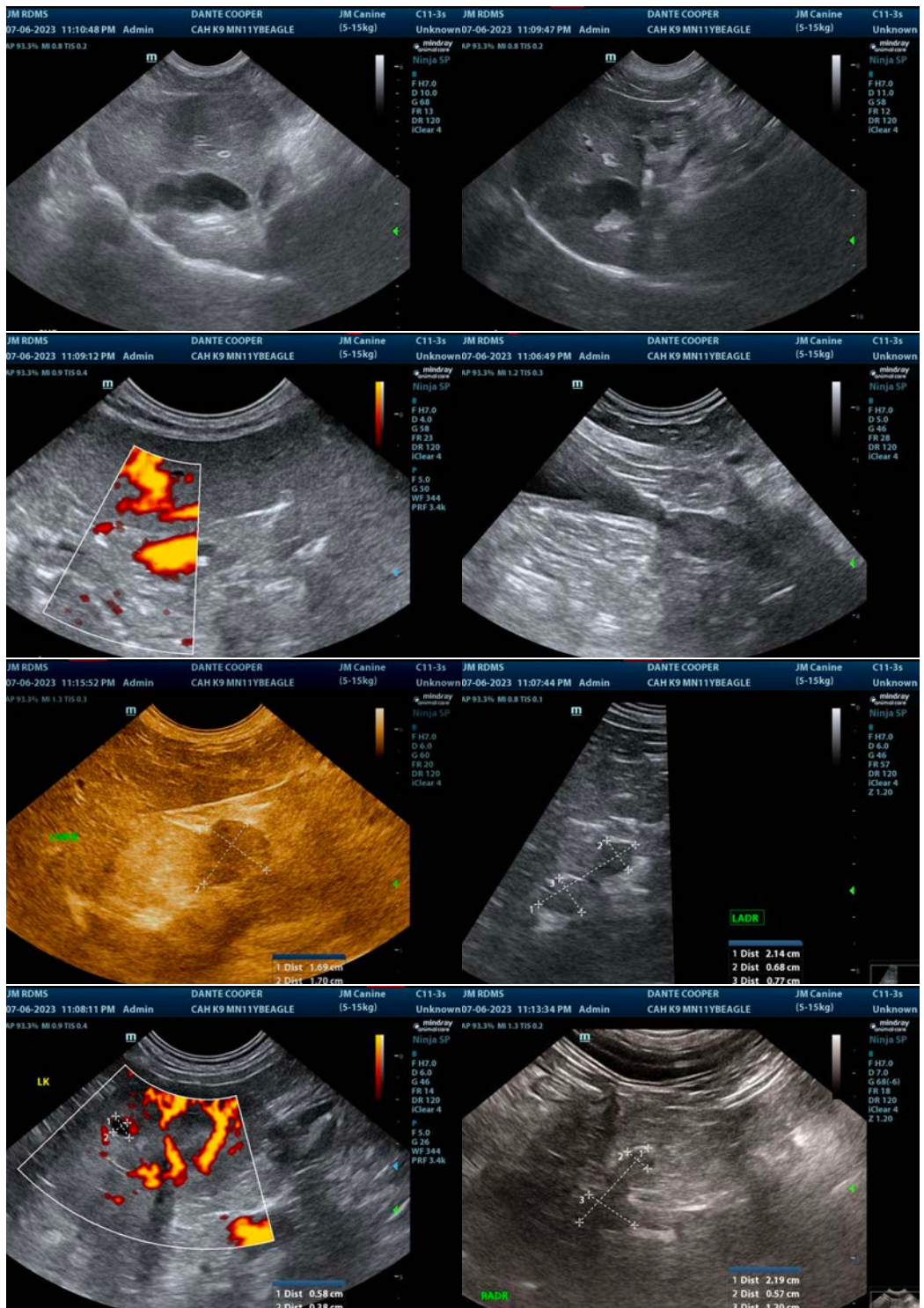
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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**

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