



PATIENT

Bo Brugnoli

SPECIES

Canine

BREED

Australian Shepherd

SEX

Neutered Male

AGE

9 Years 3 Months

WEIGHT

91 lbs

INTERPRETED BY

Eric Lindquist, DMV,
DABVP (CFM), Cert.
IVUSS

IMAGING PERFORMED BY

Kathleen Byrnes

HOSPITAL NAME

Harmony Heights
Animal Hospital

REFERRING VET

Dr. Harkey

INVOICE

74847

DATE

4/30/26

PRESENTING CLINICAL SIGNS

P presented for lethargy and not eating well. Rads showed mass effect and loss of detail in abdomen, lungs bronchointerstitial pattern possible mets.

Abnormal PE/Chem/CBC/UA Results: HCT 24.5

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder** revealed a 1.9 cm sand accumulation. The bladder wall itself 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. Right kidney measured 6.59 cm. Left kidney measured 6.56 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. Left measured 2.45 cm x 0.61 cm at the cranial pole and 0.63 cm at the caudal pole. Right measured 3.0 cm x 0.70 cm.

Spleen

The **spleen** was heterogeneous with multifocal hypoechoic masses and nodules up to 3.0 cm. Target lesions noted throughout the spleen.

Liver

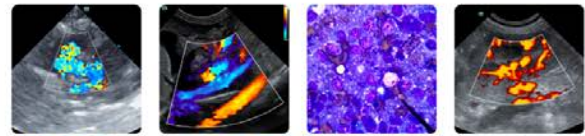
The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. A mixed echogenic 1.9 cm nodule was noted in the mid left liver. Target lesions noted throughout the liver with irregular contour. The gallbladder was unremarkable yet mildly overdistended. Hepatic veins were not dilated.

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. No associated abnormal lymphatic activity was noted.

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.



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Free Abdomen

Free fluid noted in the abdomen.

Other

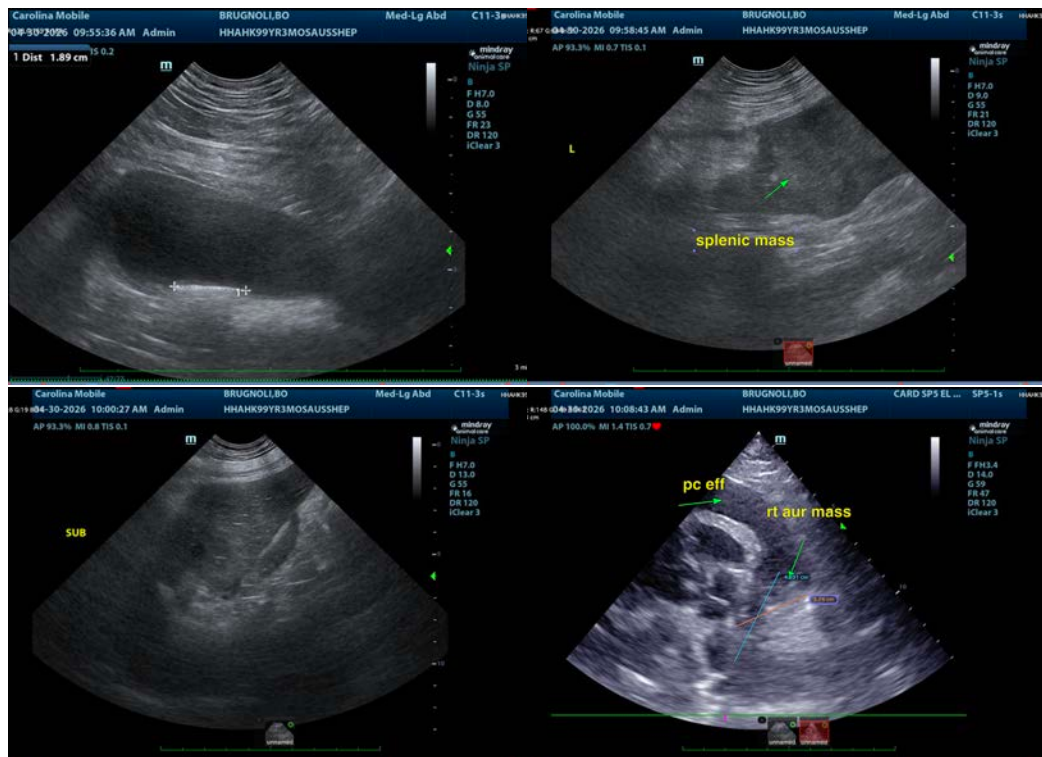
Rapid view of the heart revealed pericardial effusion. A right auricular mass was also noted measuring approximately 4.6 cm x 3.7 cm with transmural invasion.

ULTRASONOGRAPHIC FINDINGS

- Multiple splenic masses and nodules.
- Liver nodules.
- Right auricular mass.
- Pericardial effusion.
- Urinary bladder sand.
- Age related renal changes.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Splenohepatic and cardiac hemangiosarcoma pattern. Prognosis is poor.





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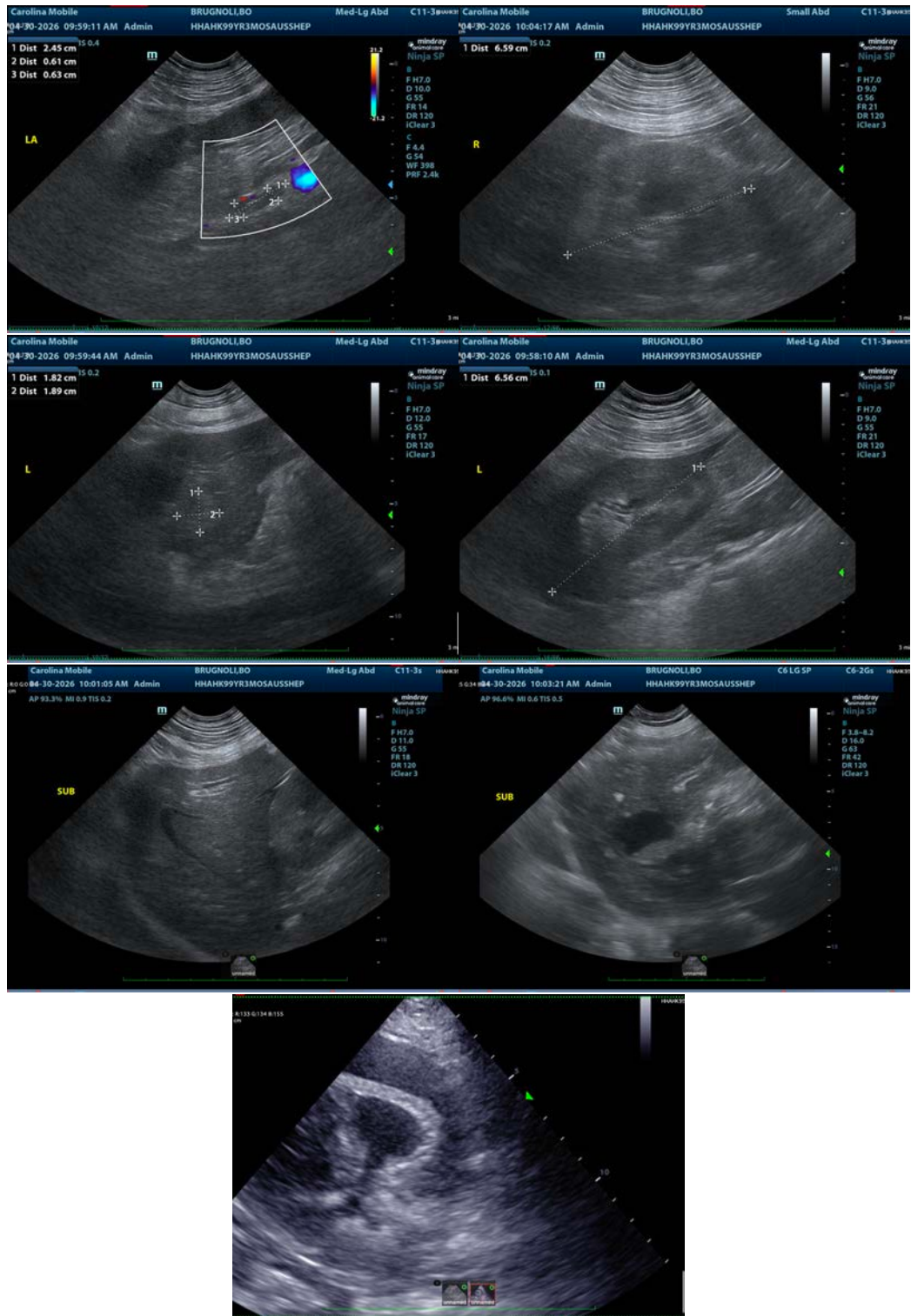
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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(CFM), Cert. IVUSS,
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