



PATIENT

Tempo Mernin

PRESENTING CLINICAL SIGNS

History: Enlarged prostate (neutered male), painful on palpation. Current meds: Zenequin 200mgs SID, Vetprofen 100mgs 1/2 BID.

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Australian Shepherd

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 was noted. Ureteral papillae were normal.

SEX

Neutered male

The prostate was enlarged and cystic. The largest cyst measured 1.4 x 0.97 cm. The contour was expansive. The prostate measured 3.76 x 3.42 cm. Pericapsular inflammatory pattern was noted around the prostate. Minor areas of mineralization were noted.

AGE

11 years

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 left kidney measured 6.28 cm.

WEIGHT

68 lbs

Adrenal Glands

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

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 2.42 x 0.65 cm at the caudal pole and 0.84 cm at the cranial pole. The right adrenal gland measured 2.09 x 1.19 cm at the caudal pole and 1.03 cm at the cranial pole.

IMAGING PERFORMED BY

Kelly Vazquez, CVT

Spleen

HOSPITAL NAME

New Bridge VH

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 was noted.

REFERRING VET

Dr. Glennon

Liver

INVOICE

91452

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some age-related parenchymal remodeling was noted but likely not clinically significant at this time. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. The gallbladder presented some dependent debris with essentially normal contour. The cystic and common bile ducts were normal. No overt evidence of active inflammatory, infiltrative or regenerative pathology was noted but should be paired with current or past LE elevations regarding any clinical significance to this presentation. The hepatic lymph nodes were unremarkable.

DATE

8/24/21



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Gastrointestinal

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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.

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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.

SEX

Neutered male

Free Abdomen

A soft tissue mass was noted in the perineal area and measured 3.26 x 2.1 cm. The mass was uniform and mildly disruptive. The mass was mildly vascular. This is a possible organized lipoma or sarcoma.

AGE

11 years

ULTRASONOGRAPHIC FINDINGS

WEIGHT

68 lbs

Enlarged, irregular cystic prostate with mineralization and inflammation.

Soft tissue mass. Subcutaneous sarcoma or possible organized lipoma in the perineal region.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Otherwise, geriatric abdomen.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

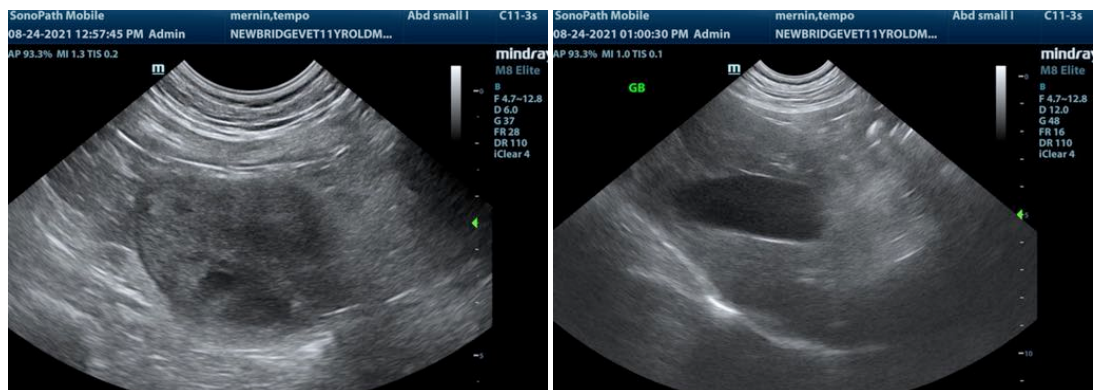
IMAGING PERFORMED BY

Kelly Vazquez, CVT

I suspect prostatic carcinoma. The mass appears resectable. I would focus on the prostate regarding the most significant lesion. There was no evidence of organ metastasis from the prostate. If carcinoma is confirmed on FNA of the prostate then the following information may prove fruitful. Ultrasound-guided FNA of the prostate carries a minor potential for tumor tracking.

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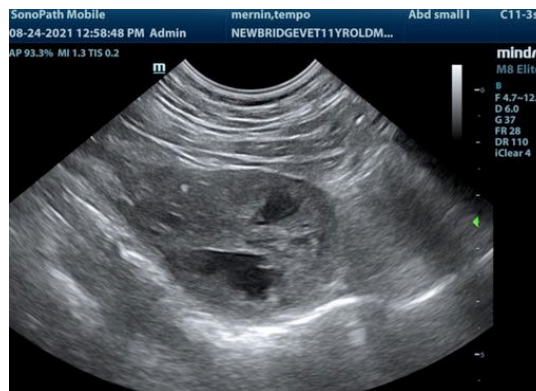
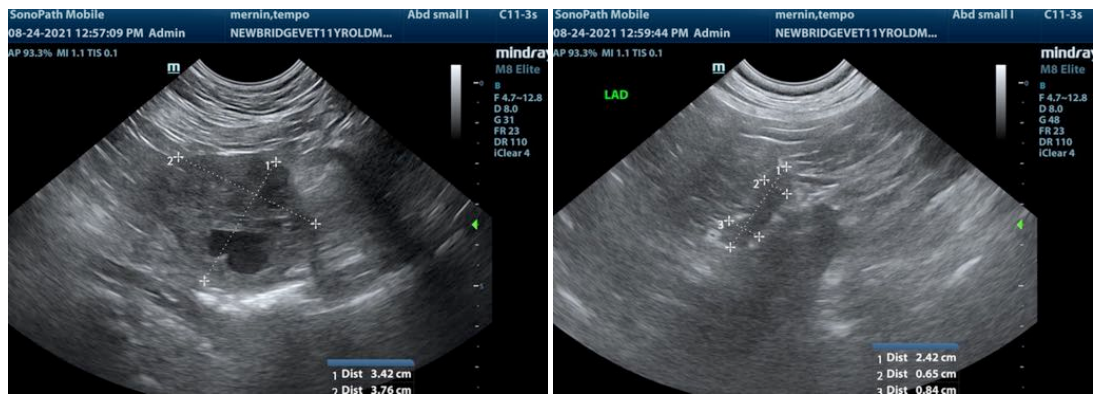
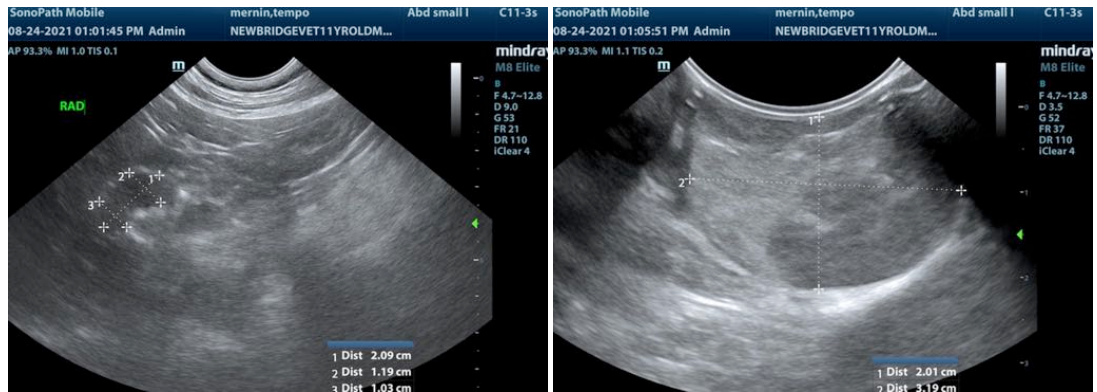
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

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