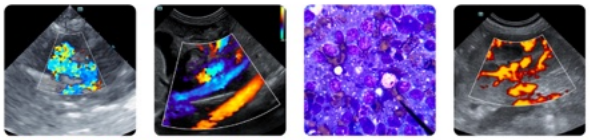


PATIENT

Bronx Romo

SPECIES

Canine

BREED

Chihuahua

SEX

Neutered male

AGE

15 years

WEIGHT

15 lbs

INTERPRETED BY

Eric Lindquist, DMV DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Gunther

HOSPITAL NAME

New Frontier Animal Medical Center

REFERRING VET

Dr. Gunther

INVOICE

68319

DATE

11/4/25

PRESENTING CLINICAL SIGNS

History: Previous history of soft tissue sarcoma (low grade) on a toe on LH. Toe was amputated with clean margins in 2021. At last wellness we found an enlarged popliteal lymph node on that same LH. FNA consistent with metastatic sarcoma. Pt also has a history of hyperparathyroidism and hypercalcemia which was surgically addressed but is recurring. AUS for staging prior to surgical removal of popliteal lymph node.
Abnormal PE/Chem/CBC/UA Results: UA - UTI. Currently being treated with antibiotics. CBC - WNL CHEM - mild azotemia (CKD IRIS stage 2/4 (Creatinine 1.9) Hypercalcemia - 13.2 (hypercalcemia panel pending) Thoracic radiographs - unremarkable

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder** and visible pelvic urethra were unremarkable for the level of repletion presented. The urine, however, did present some mildly echogenic debris consistent with mucous, exfoliated cells from renal or bladder origin, and/or blood clots as these echogenic changes can all present similarly. This is often related to urinary tract infection but may represent simple evidence of exfoliated debris or sterile inflammation. Cystocentesis, urinalysis, +/- culture would be recommended to rule out and define any UTI.

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 this age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. Mineralization was noted in the kidneys. The right kidney measured 3.7 cm. The left kidney measured 3.63 cm.

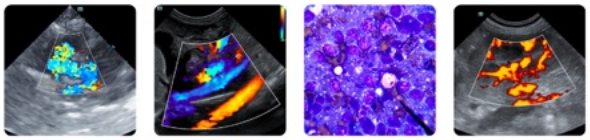
The residual prostate was uniform and measured 0.8 cm.

Adrenal Glands

Both **adrenal glands** were visualized and recognized as having largely normal shape, size, position and acceptable echogenicity for this age group and breed. Some heterogeneity was noted within the adrenal parenchyma without concerning capsular distortion. These changes are likely age related but should be monitored by sonogram should the patient be suspected of having adrenal disease. The right adrenal gland was enlarged, nodular and irregular measuring 1.37 x 0.7 cm. The left adrenal gland was heterogenous and measured 1.9 x 0.64 cm at the caudal pole and 0.32 cm at the cranial pole.

Spleen

The **spleen** revealed a hyperechoic nodule at the caudal pole measuring 1.25 cm.



PATIENT

Bronx Romo

SPECIES

Canine

BREED

Chihuahua

SEX

Neutered male

AGE

15 years

WEIGHT

15 lbs

INTERPRETED BY

Eric Lindquist, DMV DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Gunther

HOSPITAL NAME

New Frontier Animal Medical Center

REFERRING VET

Dr. Gunther

INVOICE

68319

DATE

11/4/25

Liver

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. Some non-disruptive nodular changes were noted. This is consistent with lipid plaques. 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.

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.

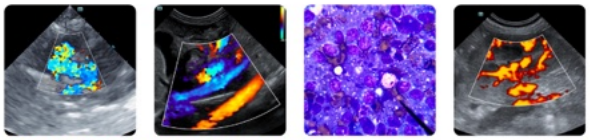
ULTRASONOGRAPHIC FINDINGS

- Age related renal changes with mineralization.
- Subjectively benign splenic nodular changes.
- Heterogenous adrenal glands, likely age related.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There was no evidence of metastatic disease. The changes are largely expected for this age and breed. However, I am concerned about long term viability of the kidneys. There was no evidence of significant disease. The presentation is largely consistent with geriatric nature.

SonoPath
FOSTERING THE ART OF VETERINARY MEDICINE™



Clinical Sonography & Telecytology
Educational Teleconsultation Services™

SonoPath.com | info@sonopath.com | 1.800.838.4268

PATIENT

Bronx Romo

SPECIES

Canine

BREED

Chihuahua

SEX

Neutered male

AGE

15 years

WEIGHT

15 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Gunther

HOSPITAL NAME

New Frontier Animal Medical Center

REFERRING VET

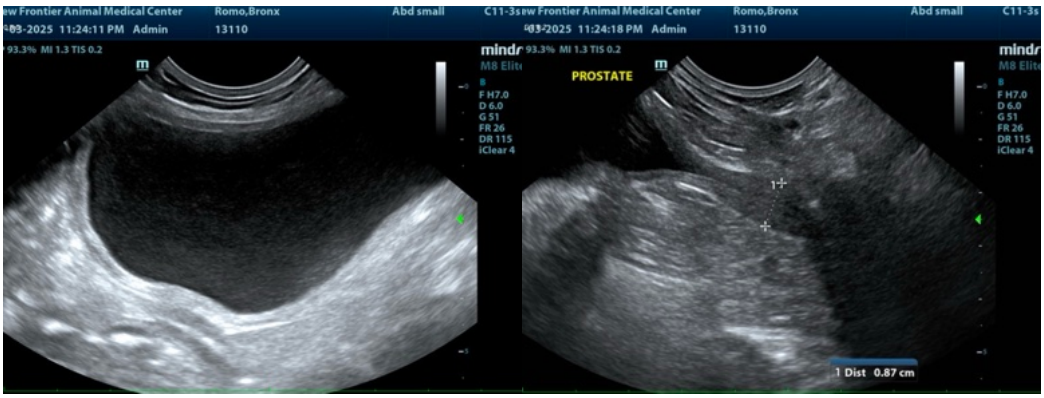
Dr. Gunther

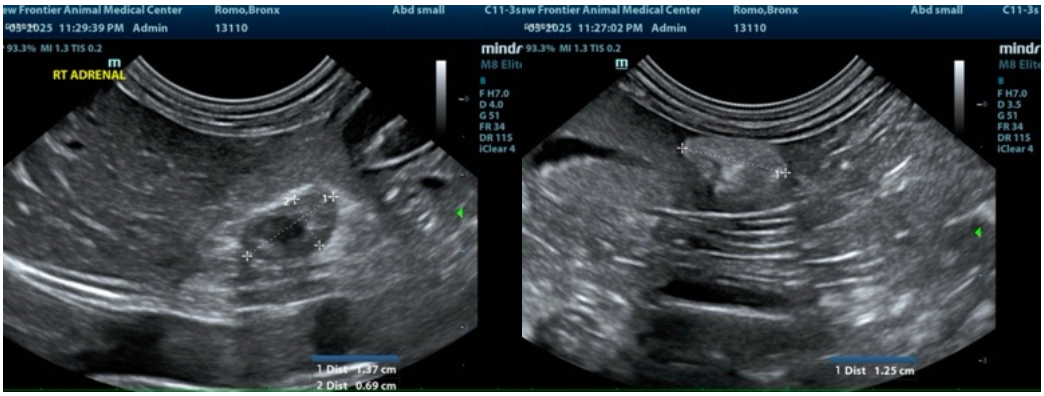
INVOICE

68319

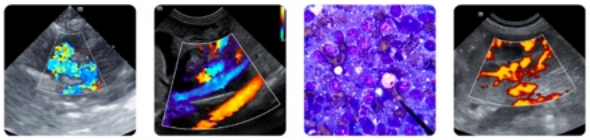
DATE

11/4/25





SonoPath
FOSTERING THE ART OF VETERINARY MEDICINE™



Clinical Sonography & Telecytology
Educational Teleconsultation Services™

SonoPath.com | info@sonopath.com | 1.800.838.4268

PATIENT

Bronx Romo

SPECIES

Canine

BREED

Chihuahua

SEX

Neutered male

AGE

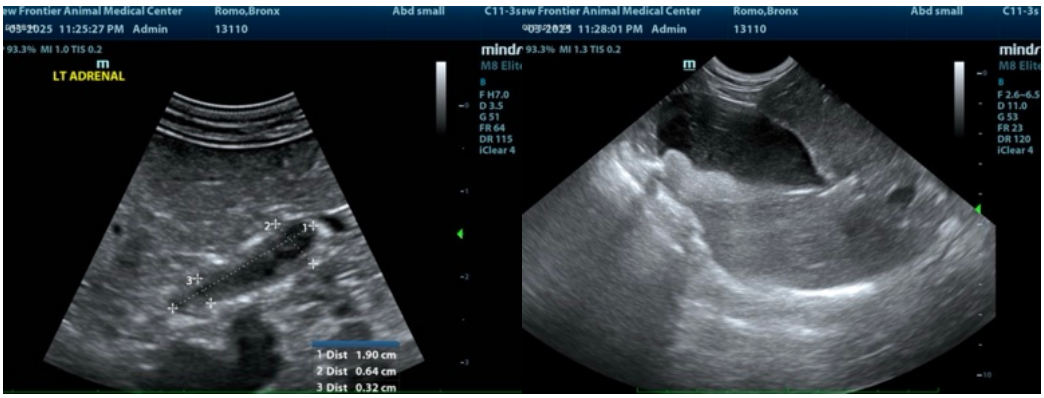
15 years

WEIGHT

15 lbs

INTERPRETED BY

Eric Lindquist, DMV DABVP, Cert. IVUSS



IMAGING PERFORMED BY

Dr. Gunther

HOSPITAL NAME

New Frontier Animal Medical Center

REFERRING VET

Dr. Gunther

INVOICE

68319

DATE

11/4/25

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, CEO of SonoPath.com

info@SonoPath.com