



PATIENT

Linus Mooney

SPECIES

Canine

BREED

Miniature Poodle

SEX

Neutered Male

AGE

11 years

WEIGHT

17.3 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Graham Sager
Gellerman, DVM

HOSPITAL NAME

Back Bay VC

REFERRING VET

Dr. Sager Gellerman

INVOICE

74895

DATE

4/27/26

PRESENTING CLINICAL SIGNS

History: To evaluate the following condition: Recheck DMVD B2 and elevated hepatic/renal values. Suspect HAC.

11 yr 8 mo MN Mini Poodle

Historical cough, DMVD B2 (currently on Pimobendan 2.5 mg PO BID and Enalapril 4 mg PO SID).

Recently had wound on paw and seen at urgent care, where baseline labwork for NSAIDs identified elevated liver enzymes and mildly elevated BUN (see below). Pot bellied appearance, PU/PD. Had LDDST last year which was equivocal. Plan to repeat LDDST pending AUS results.

4/18/26: ALT 257 U/L ALP 703 U/L BUN 36 mg/dL Creatinine 1.1 mg/dL remainder chem WNL, no CBC performed 6/20/25: LDDST: Pre cortisol (3.7 ug/dL) 4 hour (0.4 ug/dL) 8 hour (1.6 ug/dL)

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

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 was noted. Ureteral papillae were normal.

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. The right kidney measured 4.63 cm. The left kidney measured 4.3 cm.

The **prostate** was uniform and measured 1.0 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. The right adrenal gland measured 1.8 x 0.74 cm. The left adrenal gland measured 1.9 x 0.66 cm.

Spleen

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.



PATIENT

Linus Mooney

SPECIES

Canine

BREED

Miniature Poodle

SEX

Neutered Male

AGE

11 years

WEIGHT

17.3 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Graham Sager
Gellerman, DVM

HOSPITAL NAME

Back Bay VC

REFERRING VET

Dr. Sager Gellerman

INVOICE

74895

DATE

4/27/26

Liver

The **liver** revealed multi-focal, mixed echogenic nodular changes with generalized enlargement. The gallbladder was mildly overdistended with striating fixed bile, yet not to the level of mucocele formation. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident.

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 EXAMINATION OF THE HEART

The echocardiogram in this patient revealed fairly normal volumes of the left atrium and left ventricle. Adequate contractility was noted. Mitral and tricuspid insufficiency were present. Left ventricular and right ventricular outflow velocities were normal. There was no pericardial or pleural effusion were noted.

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO	LA/AO (Heart Base)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT	6.0		1.4		37	68	0.3
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT	LA 2D short axis Base view (cm)	LVIDd Avg; 2D and m-mode short axis (cm)	LVIDs Avg; 2D and m-mode short axis (cm)
NORMAL PARAMETER	50-100	0.7-1.7	0.7-1.6	BELOW	BELOW	BELOW	BELOW
PATIENT		1.5	1.0	17.3 lbs	3.0	3.5	



PATIENT

Linus Mooney

SPECIES

Canine

BREED

Miniature Poodle

SEX

Neutered Male

AGE

11 years

WEIGHT

17.3 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Graham Sager
Gellerman, DVM

HOSPITAL NAME

Back Bay VC

REFERRING VET

Dr. Sager Gellerman

ULTRASONOGRAPHIC FINDINGS

Irregular swelling noted throughout the liver. Subjectively appears benign. Vacuolar hepatopathy, nodular hyperplasia liver pattern.

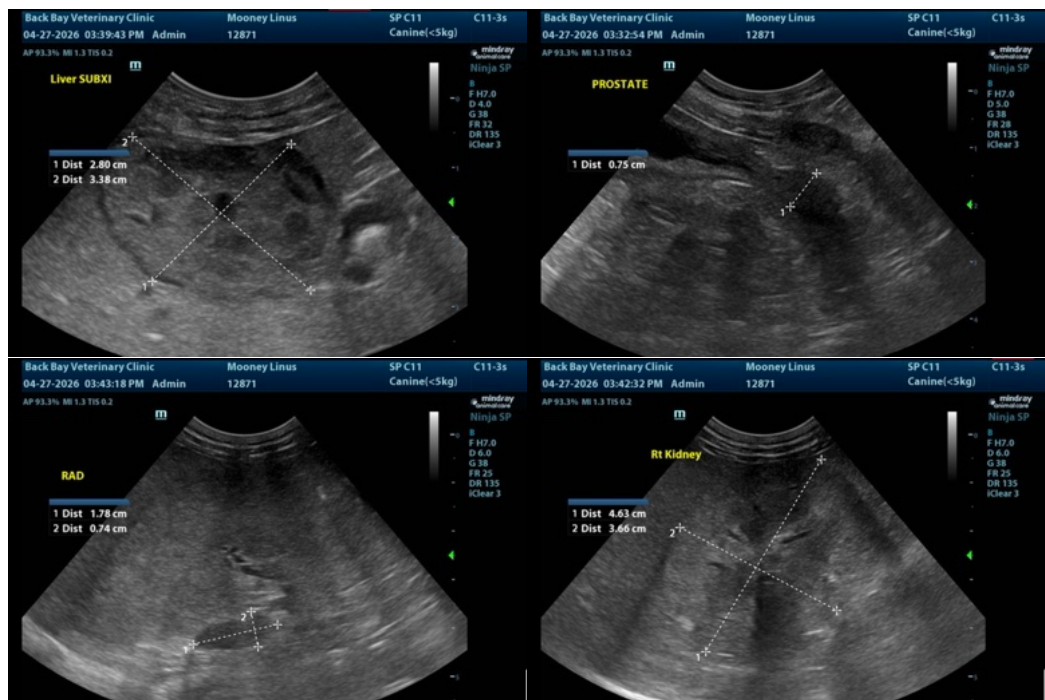
Otherwise, geriatric abdomen.

Compensated mitral insufficiency on the current protocol.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

FNA of the liver nodules would be ideal. Ursodiol therapy could be justified.

I recommend maintaining current protocol and monitoring blood pressure measurements and respiratory rate if any clinical signs are related to cardiac disease; however, this appears to be stable.



INVOICE

74895

DATE

4/27/26



PATIENT

Linus Mooney

SPECIES

Canine

BREED

Miniature Poodle

SEX

Neutered Male

AGE

11 years

WEIGHT

17.3 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Graham Sager
Gellerman, DVM

HOSPITAL NAME

Back Bay VC

REFERRING VET

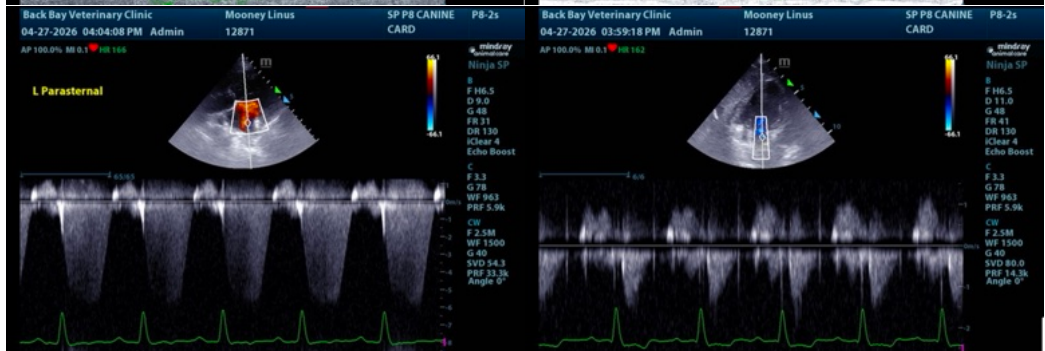
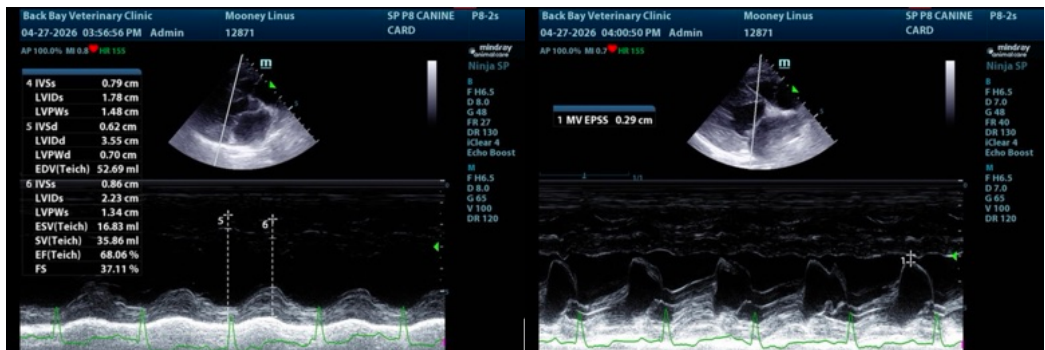
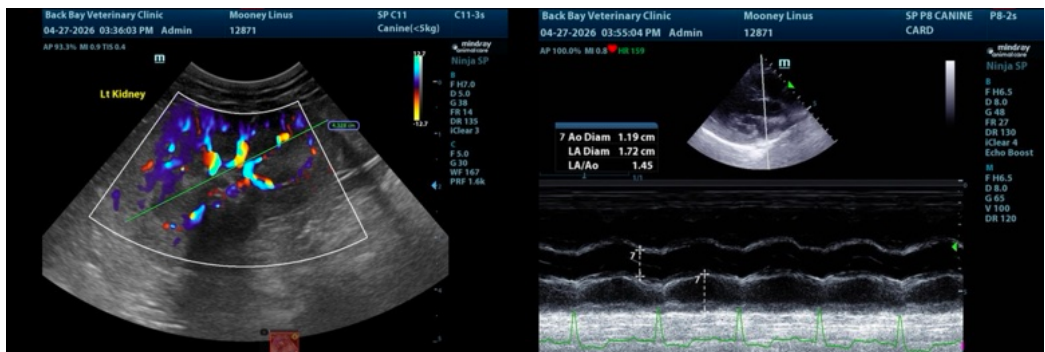
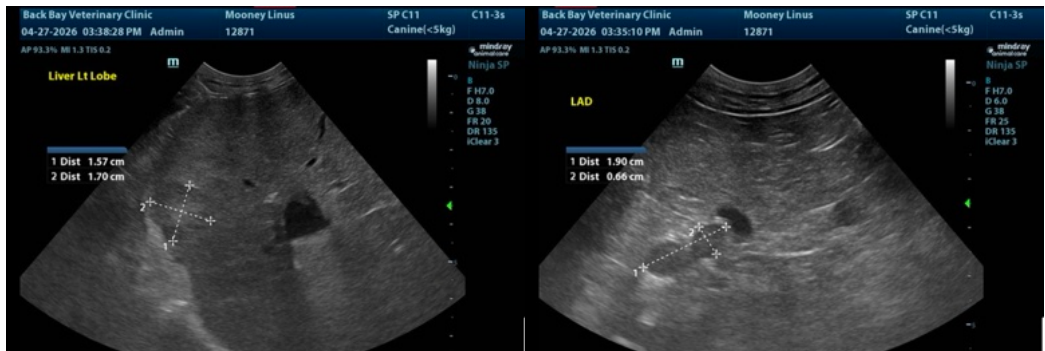
Dr. Sager Gellerman

INVOICE

74895

DATE

4/27/26





PATIENT

Linus Mooney

SPECIES

Canine

BREED

Miniature Poodle

SEX

Neutered Male

AGE

11 years

WEIGHT

17.3 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Graham Sager
Gellerman, DVM

HOSPITAL NAME

Back Bay VC

REFERRING VET

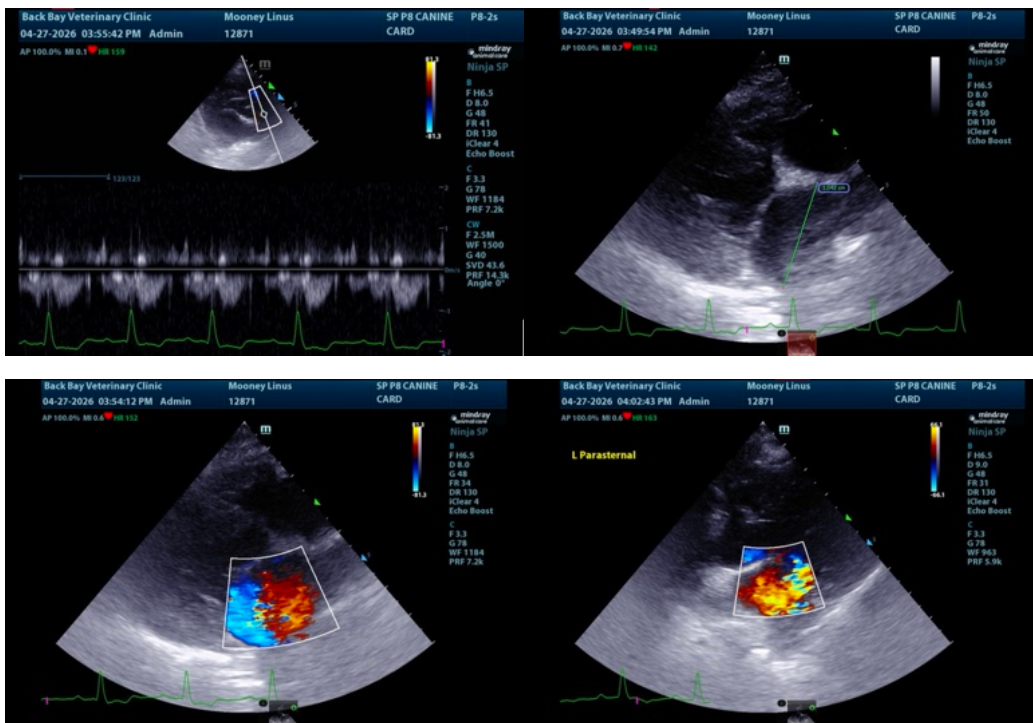
Dr. Sager Gellerman

INVOICE

74895

DATE

4/27/26



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