



PATIENT

Bronco Roberts

SPECIES

Canine

BREED

Pomsky

SEX

Male

AGE

6 Months

WEIGHT

19 Pounds

INTERPRETED BY

Sara Brethel DVM,
DACVIM (Cardiology)

IMAGING PERFORMED BY

Dr. Andrea Nason

HOSPITAL NAME

Caravan Vet

REFERRING VET

Dr. Andrea Nason

INVOICE

35879

DATE

2/18/26

PRESENTING CLINICAL SIGNS

- Bronco presented for routine pre surgical exam and lab screening.
- Owner's previous pomsky passed from DCM suddenly. ProBNP screening was done. Given the high end of the normal result, owners elected to do an echocardiogram to ensure no underlying heart issues prior to anesthesia for his neuter. There is no appreciable murmur on exam and no clinical signs of heart disease.
- Abnormal PE/Chem/CBC/UA Results: ProBNP 891 BUN 60, Crea 0.9, SDMA 13, USG 1.024

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (M-Mode)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	Up to 1.6	28-40	40-100	<0.6
PATIENT	--	--	NM	1.0	38.46	--	NM
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT (kg)	LAD LA MAX 4 Chamber	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				
PATIENT	--	--	~0.5	8.63	--	2.6	1.6

**Aside from the measurements filled out in the chart, no other measurements were obtained.

Cardiac Presentation

The mitral valve leaflets are normal and there is no mitral regurgitation. There is no prolapse of the mitral valve leaflets. The left atrial size is normal. Left ventricular systolic and diastolic function is within normal limits. There is normal right atrial size without evidence of tricuspid regurgitation. There is no prolapse of the tricuspid valve leaflets and no evidence of pulmonary hypertension on today's evaluation. The right ventricle subjectively appears normal in structure and function. The aortic and pulmonic valves have normal morphology and the corresponding outflow velocities are within normal limits. There is no evidence of pulmonic or aortic insufficiency. The aorta appears normal. The pulmonary artery and associated branches appear normal. There is no evidence of pleural effusion, pericardial effusion, or intracardiac masses.

ULTRASONOGRAPHIC FINDINGS

- Structurally normal heart



PATIENT

Bronco Roberts

SPECIES

Canine

BREED

Pomsky

SEX

Male

AGE

6 Months

WEIGHT

19 Pounds

INTERPRETED BY

Sara Brethel DVM,
DACVIM (Cardiology)

IMAGING PERFORMED BY

Dr. Andrea Nason

HOSPITAL NAME

Caravan Vet

REFERRING VET

Dr. Andrea Nason

INVOICE

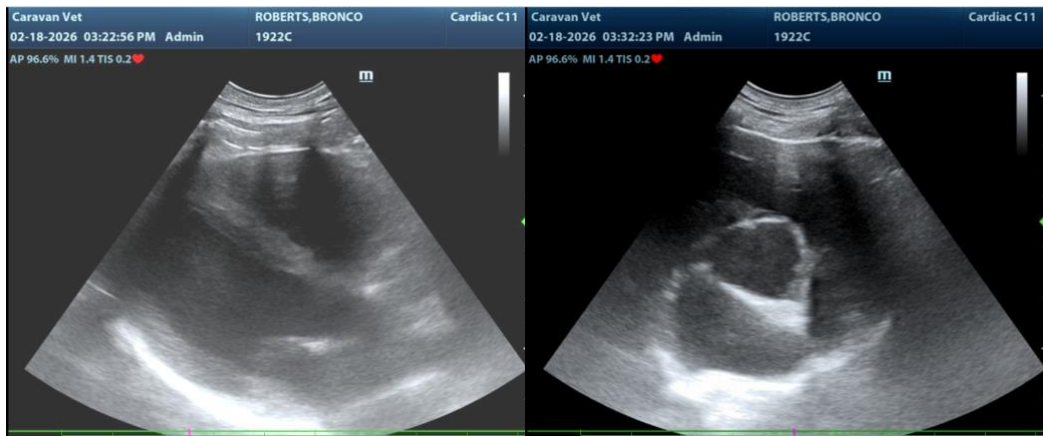
35879

DATE

2/18/26

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The patient's heart is structurally normal. No cardiac therapies are recommended at this time. A recheck echo is not needed unless the patient develops a heart murmur or an arrhythmia.



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.

Sara Brethel DVM, DACVIM (Cardiology)

info@SonoPath.com