



PATIENT

Bernie Waite

SPECIES

Feline

BREED

DSH

SEX

Spayed Female

AGE

10 Years

WEIGHT

9.5 Pounds

INTERPRETED BY

James Wood, DVM,
DACVIM (Cardiology)

IMAGING PERFORMED BY

Dr. Andrea Nason

HOSPITAL NAME

Caravan Vet

REFERRING VET

Dr. Andrea Nason

INVOICE

37150

DATE

5/19/26

PRESENTING CLINICAL SIGNS

History: Bernie presented for a routine wellness examination. No clinical signs/changes at home. On routine screening labs, >50% increase in proBNP level within the reference range. New research and recommendations from AAEP in 2025 support that a >50% increase even in the normal range can be a sign of early developing disease. Cardiac work up to assess for any underlying heart disease. Abnormal PE/Chem/CBC/UA Results: SDMA 10, Crea 1.3 T4 2.2 ProBNP 88 (previously 24) blood pressure - 150 systolic.

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	HR (BPM)	IVSd (cm)	LVIDd (cm)	LWVd (cm)	FS (%)	EF (%)
NORMAL PARAMETER	-----	150-240	0.3-0.6	1.0-2.1	0.25-0.6	35-67	80-100
PATIENT	4.3	190	0.51	1.2	0.51	47.5	--
FELINE CARDIAC PARAMETERS	LA/AO (M-mode)	LA/AO HEART BASE (Sisson)	LAD LA MAX 4 Chamber		LVOT VEL. (m/s)	RVOT VEL. (m/s)	IVRT (m/)
NORMAL PARAMETER	<1.5	1.6	0.7-1.7		<1.6	<1.3	40-60
PATIENT	--	1.4	1.19		--	1.1	NM
Adapted from June Boon, Veterinary Echocardiography, 1998							
Sisson D et al. JVIM 1991; 5: 232, Jacobs et al. Am J Vet Res 1985; 46:1705							

ECG Interpretation

A six lead ECG showed an underlying sinus rhythm with a rate of 195 bpm. The complexes are low amplitude, but there is a slight right axis deviation. No ectopy or AV block is documented.

Cardiac Presentation

The mitral valve leaflets are normal and there is no mitral regurgitation. The left atrial size is normal. There is no evidence of systolic anterior motion of the mitral valve and no evidence of a left ventricular outflow tract obstruction. Left ventricular systolic and diastolic function is within normal limits. There is no evidence of left ventricular concentric hypertrophy. There is normal right atrial size. There is mild tricuspid valve insufficiency. There is no prolapse of the tricuspid valve leaflets and no evidence of pulmonary hypertension on the images provided. The right ventricle appears normal in structure and function subjectively. The aortic outflow velocity is not captured on continuous wave doppler. The pulmonary valve has normal morphology, and the corresponding outflow velocities are within normal limits. There is no evidence of pulmonary or aortic valve insufficiency. The aorta appears



PATIENT

Bernie Waite

SPECIES

Feline

BREED

DSH

SEX

Spayed Female

AGE

10 Years

WEIGHT

9.5 Pounds

INTERPRETED BY

James Wood, DVM,
DACVIM (Cardiology)

IMAGING PERFORMED BY

Dr. Andrea Nason

HOSPITAL NAME

Caravan Vet

REFERRING VET

Dr. Andrea Nason

INVOICE

37150

DATE

5/19/26

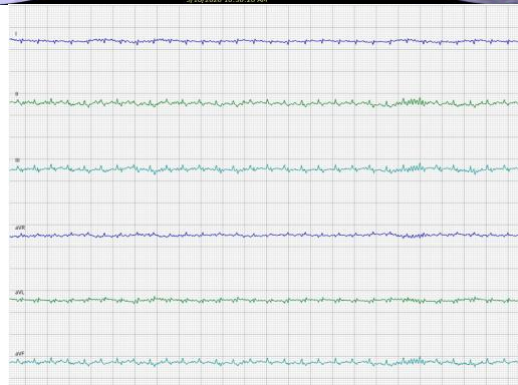
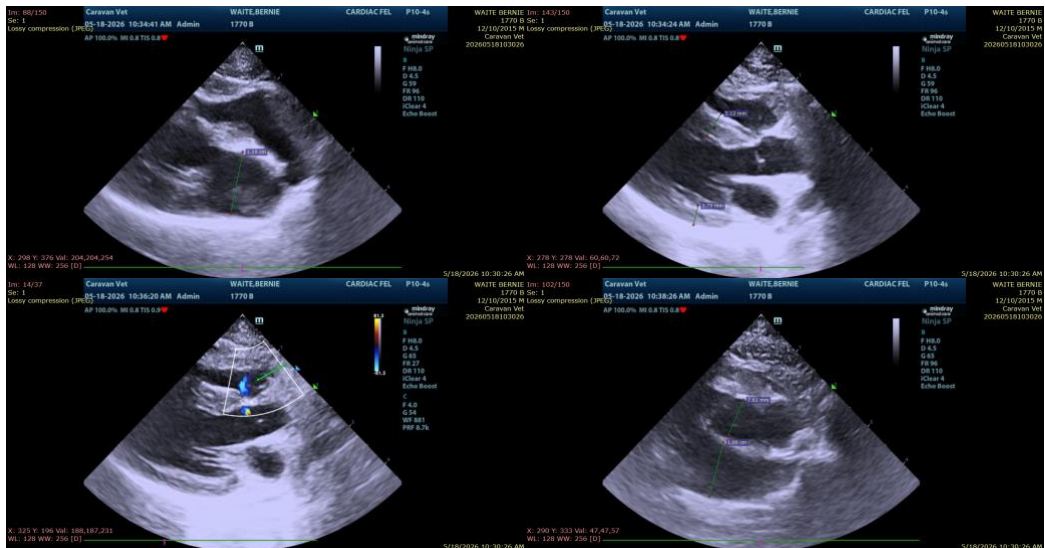
normal. The pulmonary artery and associated branches appear normal. There is no evidence of pleural effusion, pericardial effusion, or intracardiac masses.

ULTRASONOGRAPHIC FINDINGS

- Structurally normal heart on echo

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The echocardiogram did not reveal any evidence of underlying structural cardiac disease. No specific cardiac medications are recommended at this time. Given the serial rise in NT-proBNP, it is reasonable to recheck another BNP in 6 months. If there continues to be a rise, a recheck echocardiogram could be considered at that time. Otherwise, no recheck is necessary unless additional concerns for cardiac disease arise in the future.



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.



PATIENT

Bernie Waite

SPECIES

Feline

BREED

DSH

SEX

Spayed Female

AGE

10 Years

WEIGHT

9.5 Pounds

INTERPRETED BY

James Wood, DVM,
DACVIM (Cardiology)

**IMAGING
PERFORMED BY**

Dr. Andrea Nason

HOSPITAL NAME

Caravan Vet

REFERRING VET

Dr. Andrea Nason

INVOICE

37150

DATE

5/19/26

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.

James Wood, DVM, DACVIM (Cardiology)

info@SonoPath.com