



PATIENT

Tonka Loughlin

SPECIES

Feline

BREED

DSH

SEX

Spayed Female

AGE

14 Years

WEIGHT

10 Pounds

INTERPRETED BY

Tam Mengine DVM,
DABVP (Canine/Feline
Practice)

IMAGING PERFORMED BY

Dr. Karen Ebersole,
DVM, DABVP, (Canine
and Feline)

HOSPITAL NAME

Scanvet

REFERRING VET

Dr Strickland

INVOICE

35210

DATE

1/3/26

PRESENTING CLINICAL SIGNS

History: New HM, no clinical signs of cardiac disease. AUS done same day for pollakiuria, stranguria, hematuria.

Abnormal PE/Chem/CBC/UA Results: PE: Grade 2-3/6 systolic heart murmur. Nov 2025 - Creat 2.1. USG 1.025, 3+ RBC, 3+ WBC. Dec 2025 - Recheck w/ C&S - USG 1.022, no RBC/WBC/bacteria, culture - no growth/negative.

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	HR (BPM)	IVSd (cm)	LVIDd (cm)	LVWd (cm)	FS (%)	EF (%)
NORMAL PARAMETER	-----	150-240	0.3-0.6	1.0-2.1	0.25-0.6	35-67	80-100
PATIENT	4.5	180	0.5	1.5	0.5	65	94
FELINE CARDIAC PARAMETERS	LA/AO (m-mode long axis)	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	1.1	1.1	NM		0.8	1.3	60
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							

The **left atrium** is of normal size with no evidence of spontaneous echocardiographic contrast or thrombus formation. The **left ventricle** is normal in diameter with normal free wall thickness and demonstrates good systolic function. Ventricular septum diastolic wall measurements are within normal limits. The **right atrium** is subjectively of normal size and **right ventricle** dimensions, and systolic function are subjectively normal. The **mitral, tricuspid, aortic** and **pulmonary valves** all exhibit normal appearance and function, and no vegetative lesions were seen. The **main pulmonary artery** appears normal. There is no evidence of pulmonary hypertension. There is no evidence of pericardial or pleural effusion, and no masses are seen.

ULTRASONOGRAPHIC FINDINGS

- Normal feline heart

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There is no evidence of cardiac disease on today's echocardiogram, suggesting the presence of physiologic (benign) murmur. While there is no evidence of cardiac disease today, this patient could develop acquired cardiac disease in the future, just like any cat. Thus, should the patient's heart murmur progress, or symptoms of cardiac disease develop, then a recheck echocardiogram would be indicated. An annual quantitative proBNP may be useful in this patient to screen for emerging cardiac



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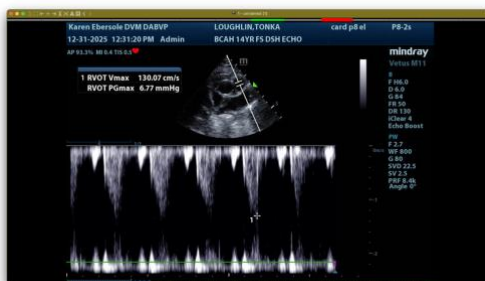
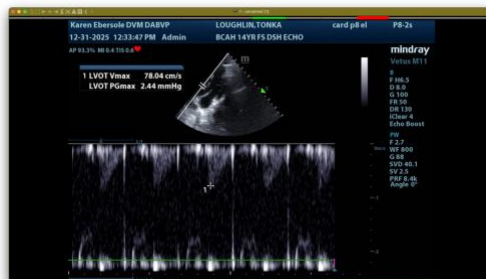
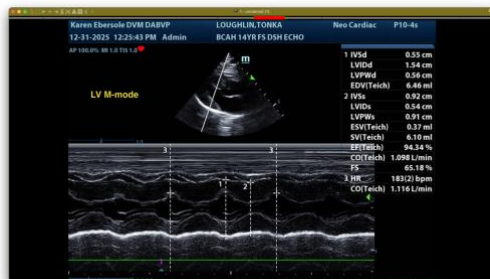
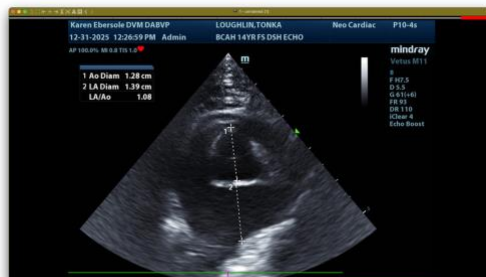
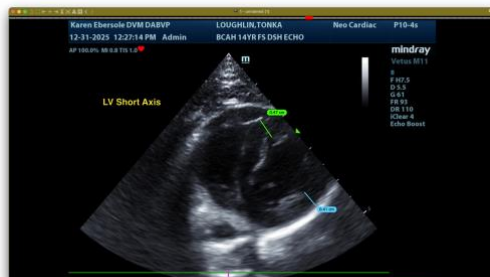
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disease in the future, given that the pre-existing physiologic murmur will make it more challenging to detect whether acquired heart disease has developed.



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.

Tam Mengine, DVM, DABVP (canine/feline practice)

info@SonoPath.com