

PATIENT

Juniper Ragsdale
 Palmer

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Spayed female

AGE

8 years

WEIGHT

10.6 lbs

INTERPRETED BY

Bradley Harris, DVM,
 DACVECC, DACVIM
 (cardiology)

IMAGING PERFORMED BY

Sara Hansen

HOSPITAL NAME

Echo Hollow VH

REFERRING VET

Dr. Srch-Thaden

INVOICE

77737

DATE

5/20/26

PRESENTING CLINICAL SIGNS

- Suspected stress-induced vomiting r/o motion sickness vs. gastrointestinal disease.
 - Hyperglycemia, r/o stress response vs. less likely diabetes mellitus.
 - Inconclusive proBNP with possible cardiac disease r/o physiologic elevation vs. early cardiomyopathy.
- ABNORMAL Labwork Values

Feline ProBNP Snap Test-Inconclusive - Potentially positive (2 tests ran)
 HCT 49%, T4 4.0 ug/dL, Hyperglycemia 253 mg/dL
 For ECHO Only: Blood Pressure AVERAGE SYS - 148 DIA - 114 MAP - 121 BPM - 181
 HR 140, RR 50

No murmur or arrhythmia auscultated, femoral pulses strong and synchronous
 Current Medications Gabapentin Liquid

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The left atrium is normal in dimension. There are no distinct left atrial thrombi/clots or spontaneous echo contrast appreciated. The left ventricle is normal in dimension as well as wall thickness, and no evidence of restriction. Left ventricular systolic function is normal, with adequate contractility based on fractional shortening and systolic left ventricular dimensions. The right atrium and ventricle are subjectively normal in dimension and systolic function. The anterior and posterior mitral and tricuspid valve leaflets presented normal linear structure, extension in systole, and union in diastole without regurgitation. There is no evidence of systolic anterior mitral valve motion documented. The left ventricular outflow tract demonstrated normal laminar flow and subjective structural valvular integrity. The visible aorta is unremarkable. Pulmonary outflow tract assessment revealed normal valve structure, laminar flow, and appropriate diameter and distensibility. There is no evidence of pulmonary hypertension documented. There is no visible pericardial, pleural, or free peritoneal fluid noted.

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	4.82 kg	220	0.49	1.41	0.45	75	NM
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	1.14	1.54	NM		0.5	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:

There is a six-lead ECG available for review. The underlying rhythm is regular at an average rate of 220bpm. The rhythm appears to be sinus in origin with narrow QRS complexes. There is no atrial or ventricular ectopy and no conduction delay or block identified. This is most consistent with a sinus tachycardia.



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ULTRASONOGRAPHIC FINDINGS

These findings are consistent with an essentially normal echocardiogram. The presence of an elevated BNP is often associated with underlying heart disease, but can be seen in animals without heart disease. In addition, changes on chest X-rays can occur without significant underlying disease. The absence of any abnormalities on the echo excludes any meaningful cardiac disease at this time. Any murmur will be considered functional in origin at this time.

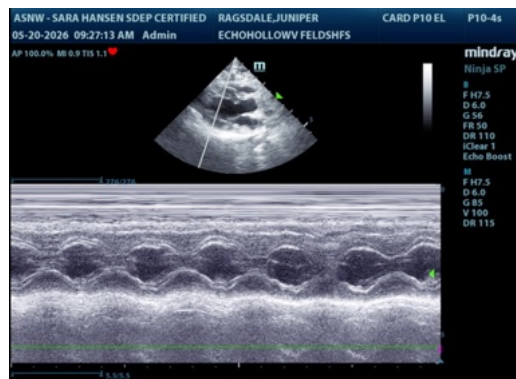
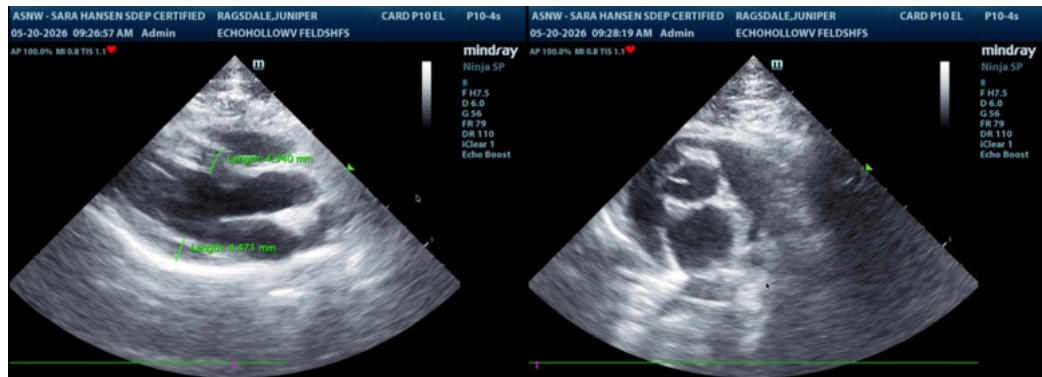
INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

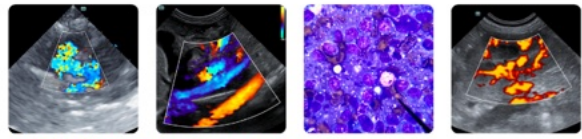
Given these findings, no cardiac therapy is recommended. There are no cardiac contraindications to corticosteroids or fluid therapy as indicated for further treatment. No specific recheck echocardiogram is recommended.

Anesthesia considerations:
 No special cardiac considerations are necessary

Diet:
 No special considerations are necessary. Any high-quality food from Hills, Royal Canin, Science Diet, Eukanuba, Iams, or Purina is reasonable.

Activity:
 No special considerations are necessary.





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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.

Bradley Harris, DVM, DACVECC, DACVIM (cardiology)

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