



**PATIENT**

Zoe Liston

**SPECIES**

Canine

**BREED**

Yorkshire Terrier

**SEX**

Intact Male

**AGE**

4 Months

**WEIGHT**

1.5 lbs

**INTERPRETED BY**

Brad Harris, DVM,  
DACVECC, DACVIM  
(cardiology)

**IMAGING PERFORMED BY**

Meghan Morse, LVT,  
CVT

**HOSPITAL NAME**

NewburghVH

**REFERRING VET**

Dr. Steinbeiser

**INVOICE**

74412

**DATE**

4/10/26

**PRESENTING CLINICAL SIGNS**

R/O Congenital heart dz. Arrhythmia on exam, no murmur, recently purchased from breeder  
Abnormal PE/Chem/CBC/UA Results: ProBNP 1120.2 ECG showed sinus tachycardia w/ left axis deviation

**ULTRASONOGRAPHIC EXAMINATION OF THE HEART**

CANINE CARDIAC PARAMETERS	BW	HR BPM	LAD 4 ch Long	RAD 4 ch Long	La/Ao Heart Base	LVIDd	LVIDs
NORMAL PARAMETER		50-100			<1.6		
PATIENT	0.68	NM	1.14	0.80	1.11	1.11	0.52
CANINE CARDIAC PARAMETERS	FS	EPSS	PV V MAX (m/s)	AV V Max (m/sec)	MR Vmax	TR Vmax	RPA distensibility (normal >30%)
NORMAL PARAMETER	28-40	<0.6	0.7-1.6	0.7-1.7	4.5-5.5	< 2.7	
PATIENT	53	NM	0.70	1.1	NM	2.8	NM

**Cardiac Presentation**

The left atrium is normal in dimension. The left ventricle is normal in dimension with normal systolic function. The right atrium and ventricle are normal in dimension with normal systolic function. The anterior and posterior mitral valve leaflets are appropriately thin with adequate apposition and intact chordae, and there is no significant prolapse. There is no significant mitral regurgitation identified. The tricuspid valve leaflets are appropriately thin with adequate apposition and intact chordae, with mild tricuspid regurgitation and no evidence of pulmonary hypertension. The left ventricular outflow tract demonstrated normal laminar flow and the visible aorta is unremarkable. The right ventricular outflow tract assessment revealed normal laminar flow, with appropriate main pulmonary artery diameter and right pulmonary artery distensibility. There is no pulmonic and no aortic valve insufficiency identified. There is no visible pericardial, pleural, or free peritoneal fluid documented. No evidence of hepatic venous congestion is noted. The cardiac chambers, pericardial, and visible extra-cardiac regions were free of masses, spontaneous echo contrast, or thrombi.

**ULTRASONOGRAPHIC FINDINGS**

- These findings identify mild tricuspid regurgitation with no overt thickening or evidence of dysplasia. This likely is physiologic variant, however mild tricuspid dysplasia cannot be excluded. For the time being, this will be considered an essentially normal echocardiogram. The axis deviation will be considered a normal variant.



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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Given these findings, no cardiac therapy is recommended. There are no cardiac contraindications to fluid therapy or corticosteroid therapy, as indicated for further assessment and treatment. A recheck echocardiogram is recommended in 6 months.

Anesthesia considerations:

No special 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.



