



PATIENT

Winnie Viehweg

SPECIES

Canine

BREED

Shepherd/Lab Mix

SEX

Female

AGE

3 Months

WEIGHT

5.7 kg

INTERPRETED BY

James Wood, DVM,
DACVIM (Cardiology)

IMAGING PERFORMED BY

Dr. Iacovides

HOSPITAL NAME

Tuxedo AH

REFERRING VET

Dr. Stuart-Altman

INVOICE

37237

DATE

5/28/26

PRESENTING CLINICAL SIGNS

History: No clinical signs. Murmur detected at puppy boosters
Abnormal PE/Chem/CBC/UA Results: Grade 3/6 systolic Right side loudest

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

CANINE CARDIAC PARAMETERS	LA long axis	LAmxN	Ao long axis	LA/AO (Heart Base; Swe, short axis)	LA/AO long axis	LVIDd	LVIDdN
NORMAL PARAMETER		<1.57		<1.6	<2.5		<1.7
PATIENT	2.15	1.26	1.11	1.37	1.94	2.74	1.58
CARDIAC PARAMETERS	Body Weight (kg)	AV VMAX (m/s)	PV MAX (m/s)	MR VMAX (m/s)	TR VMAX (m/s)	FS (%)	LVIDsN
NORMAL PARAMETER		0.7-1.7	0.7-1.6			22 - 49%	<0.9
PATIENT	5.7	1.26	0.81	--	--	30.0	0.97
CARDIAC PARAMETERS	HR (bpm)	MV E (m/s)	MV A (m/s)	MV E/A (m/s)	EF (%)	IVSdN	LVFWdN
NORMAL PARAMETER						<0.6	<0.6
PATIENT	130	0.8	0.75	1.07	--	0.28	0.34

ECG Interpretation

There is an underlying sinus rhythm with an average rate of 120 bpm. There is a normal mean electrical axis, no ectopy, AV block, or evidence of sinus node dysfunction is present.

Cardiac Presentation

The mitral valve leaflets are normal and there is no mitral regurgitation. Leaflet prolapse is not identified. 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 pulmonary valves have normal morphology, and the corresponding outflow velocities are within normal limits. There is no evidence of pulmonary or aortic valve insufficiency. The aorta appears normal. The pulmonary



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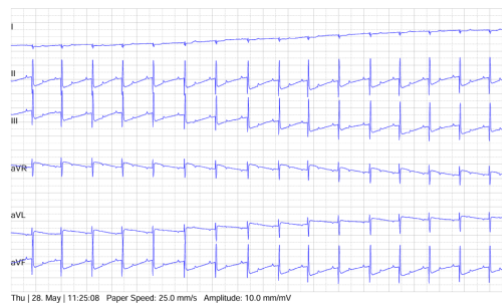
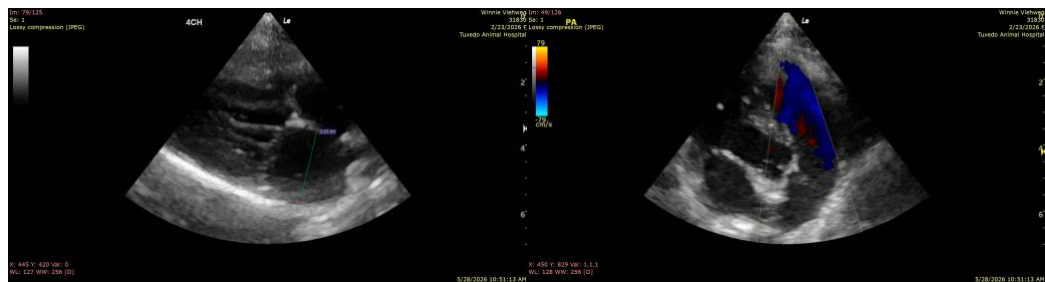
artery and associated branches appear normal. There is no evidence of pleural effusion, pericardial effusion, or intracardiac masses. No atrial or ventricular septal defects, AV valve dysplasia, or PDA are identified.

ULTRASONOGRAPHIC FINDINGS

- Structurally normal heart on echo
- Suspect physiologic/benign murmur

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The echocardiogram revealed no evidence of congenital or acquired heart disease. While a definitive cause of the murmur was not identified on this study, a benign murmur is suspected, given the absence of any structural disease. No further follow-up is necessary unless additional concerns for cardiac disease arise in the future. The cardiovascular risk to anesthesia is considered low.



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.

James Wood, DVM, DACVIM (Cardiology)

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