



PATIENT PRESENTING CLINICAL SIGNS

Munch Kraftsik
History: Grade III/VI L sided murmur, was II/VI 6 months ago. Asymptomatic.
Abnormal PE/Chem/CBC/UA Results:

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE HEART

Canine

BREED

Greyhound Mix

SEX

Neutered Male

AGE

13 Years 5 Months

WEIGHT

48.8 Lbs.

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (Boon method)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT	5.0	2.0	1.3	1.47	42.5	76.9	0.44
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT (kg)	LA 2D short axis Base view (cm)	LVIDd Avg; 2D and m-mode short axis (cm)	LVIDs Avg; 2D and m-mode short axis (cm)
NORMAL PARAMETER	50-100	0.7-1.7	0.7-1.6	BELOW	BELOW	BELOW	BELOW
PATIENT	136	1.0	1.4	--	4.3	4.1	--

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

ACC Flanders

REFERRING VET

Dr. Hallihan

INVOICE

12740

DATE

11/30/21

Cardiac Presentation

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 different LA measurement methods. Chamber volumes and echogenicity were normal. The mitral valve was mildly thickened without evidence of valvular prolapse or chordae tendineae rupture. Doppler indicated eccentric to turbulent mitral valve insufficiency. The **left ventricle** presented thicknesses with linear contour and was not dilated nor restricted. The **myocardium** presented normal echogenicity without subjective evidence of significant fibrotic or ischemic disease. **Contractility** of the ventricular walls was adequate and in normal range for this patient evidenced by the fractional shortening measurement and subjective evaluation of the different regions of the myocardium. The **left ventricular outflow** tract demonstrated normal laminar flow and subjective structural integrity. The **right atrium** and auricle revealed normal size, structure and content. No evidence of masses was noted or chamber overload. **Tricuspid** valvular assessment demonstrated adequate linear morphology. Mild insufficiency noted on color doppler assessment. The **right ventricle** was of normal size (1/3 diameter of LV), chordae structure, myocardial echogenicity and thickness. **Pulmonic** tract assessment revealed normal valve structure, laminar flow, and diameter (approx. 1:1 pa/ao ratio). No visible **pericardial** or free pleura fluid was noted. The cranial **mediastinum and pericardial regions** were free of masses in the visible window. No other clinical issues such as systolic dysfunction, clinical pulmonary hypertension or DCM criteria were not present. No echographically detectable evidence of infiltrative disease was visible. Medical therapy is not overtly required, however, prognosis at this stage is highly variable and serial sonographic monitoring is advised.

ULTRASONOGRAPHIC FINDINGS



PATIENT

Munch Kraftsik

- Chronic mitral valve disease (ACVIM B-1- early B-2)
- Mild tricuspid valve insufficiency- estimated pulmonary pressure gradient (approximately 16 mm of mercury) not consistent with clinical pulmonary hypertension

SPECIES

Canine

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Conservative monitoring is recommended with recheck echocardiogram in 6 months or sooner if clinical signs suggestive of heart disease develop.

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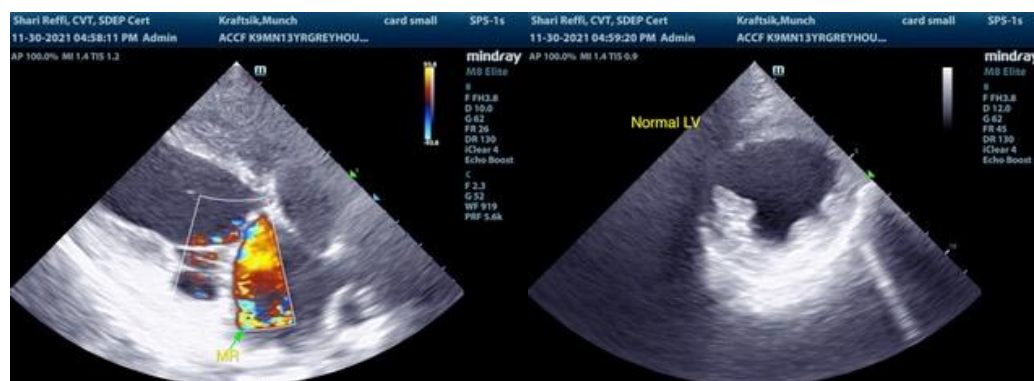
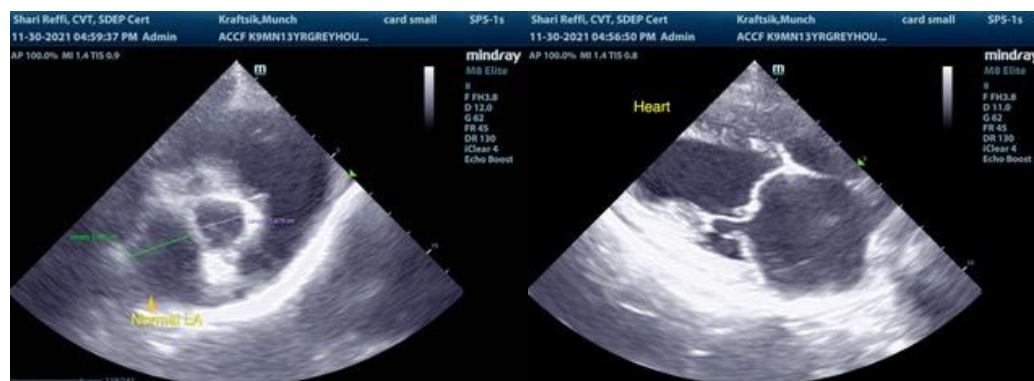
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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