



PATIENT

Pebbles Kittrell

SPECIES

Canine

BREED

Chihuahua Pomeranian
Mix

SEX

Spayed female

AGE

12 years

WEIGHT

3.05 kg

PRESENTING CLINICAL SIGNS

History: CHF patient presented for routine pre-anesthetic echocardiogram. Currently on Phenobarbital 16.2mg 1/2t BID, Pimobendan 1.25mg 1/2T BID, Furosemide 12.5mg 1/2T SID

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The **left atrium** appeared to be subnormal in size. Reevaluation of Lasix therapy is warranted. The cranial and caudal **mitral** valve leaflets presented vegetative thickening consistent with endocardiosis. Prolapse of the anterior mitral valve leaflet was noted. Doppler indicated measurable insufficiency. The **left ventricle** presented normal 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. Trivial **tricuspid** insufficiency was noted. 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. No echographically detectable evidence of infiltrative disease was visible. The cranial **mediastinum and pericardial regions** were free of masses in the visible window.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Stegemoller

HOSPITAL NAME

North Idaho AH

REFERRING VET

Dr. Stegemoller

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		1.15	1.7			0.1
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			0.4	3.05	1.8		

INVOICE

39587

DATE

9/22/22



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ULTRASONOGRAPHIC FINDINGS

Compensated mitral disease, potential hypotension.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Lowering of Lasix or eliminating and replacing with Spironolactone and ace inhibitor is recommended. I recommend Spironolactone at 1-2 mg/kg b.i.d. and ace inhibitor at 0.5 mg/kg s.i.d. may be long term beneficial for this patient to leave Lasix for emergency issues should they arise. Blood pressure measurements are recommended. Lasix therapy can likely be diminished or substituted as recommended. Recheck echocardiogram in 6 months.

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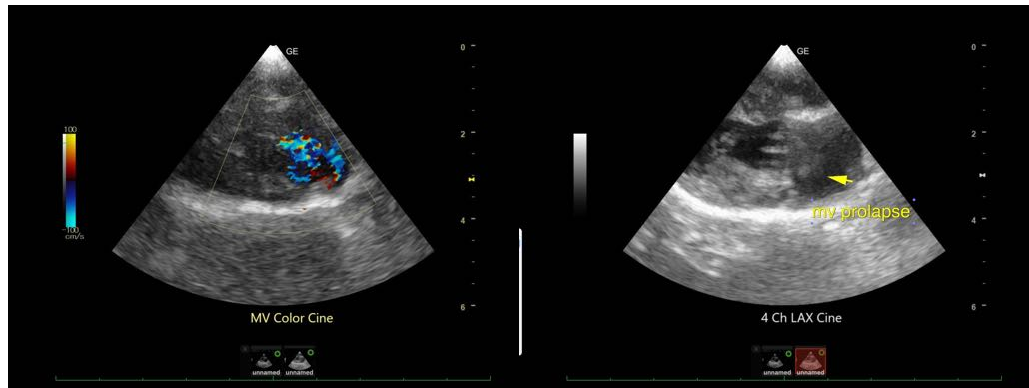
Spayed female

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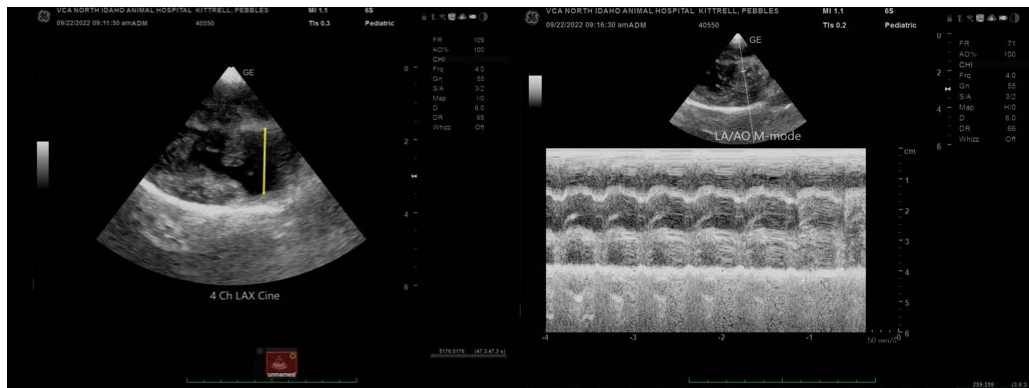
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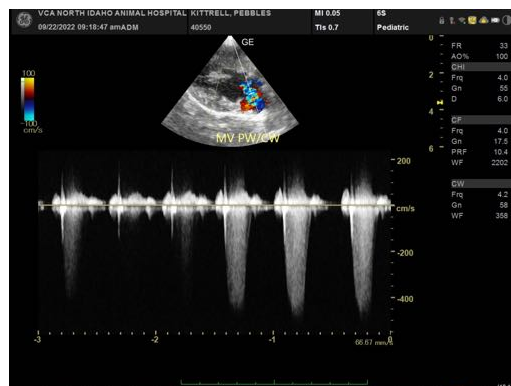
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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