



PATIENT

Suzy Saindon

SPECIES

Canine

BREED

Chihuahua

SEX

Spayed Female

AGE

14

WEIGHT

10

INTERPRETED BY

Eric Lindquist, DMV,
DABVP (Canine &
Feline), Cert. IVUSS

IMAGING PERFORMED BY

Dr. Lenore Saindon

HOSPITAL NAME

Underdog Pet Rescue

REFERRING VET

Dr. Lenore Saindon

INVOICE

35530

DATE

1/20/26

PRESENTING CLINICAL SIGNS

- Exam on 12/26/2025- reported 4/6 left systolic heart murmur
- History of chronic coughing which was suspected to be due to allergies. Had an echo previously performed May 2024 which showed mild mitral valve disease.

Abnormal PE/Chem/CBC/UA Results: Full Senior blood work with ACTH Stim done in June 2025 - No concerning findings.

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (M-Mode)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	Up to 1.6	28-40	40-100	<0.6
PATIENT	--	--	NM	1.8	45	80	0.1
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT	LAD LA MAX 4 Chamber	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				
PATIENT	80	--	--	10	3.5	2.7	--

Cardiac Presentation

The echocardiogram for this patient presented excessive **left atrial size** expressed both in the LA/AO and LA max measurements Chamber volumes and echogenicity were normal. The cranial and caudal **mitral** valve leaflets presented vegetative thickening consistent with endocardiosis. Doppler indicated measurable 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. Trivial tricuspid insufficiency was also 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



PATIENT

Suzy Saindon

SPECIES

Canine

BREED

Chihuahua

SEX

Spayed Female

AGE

14

WEIGHT

10

INTERPRETED BY

Eric Lindquist, DMV,
DABVP (Canine &
Feline), Cert. IVUSS

IMAGING PERFORMED BY

Dr. Lenore Saindon

HOSPITAL NAME

Underdog Pet Rescue

REFERRING VET

Dr. Lenore Saindon

INVOICE

35530

DATE

1/20/26

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.

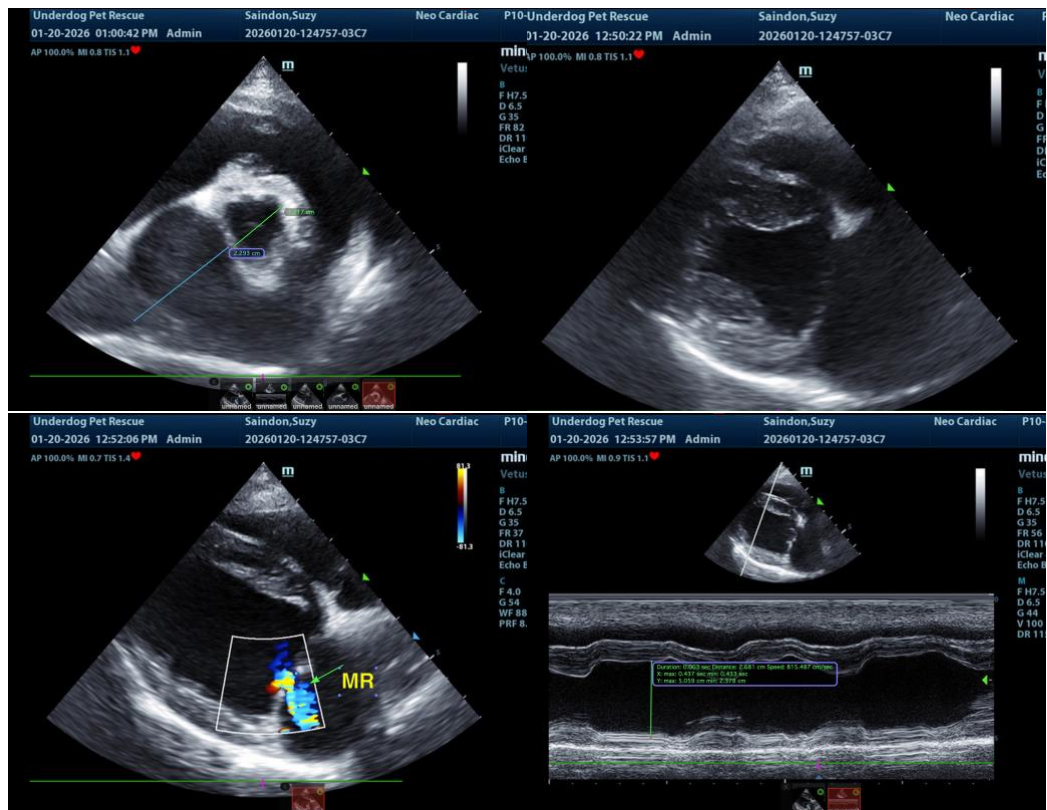
ULTRASONOGRAPHIC FINDINGS

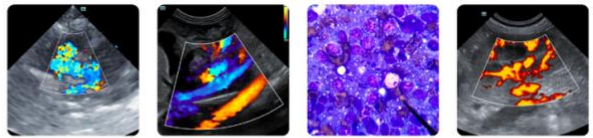
- Stage B-2 valvular disease

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Recommend initiating pimobendan at a dose of 0.3 mg/kg BID. Blood pressure measurements are indicated. If hypertension is present, then ACE inhibitor +/- spironolactone could be considered.

The heart has minor volume overload and is working to compensate for the valvular insufficiency. Target respiratory rate is < 20 resp/minute after therapy. After initiating or adjusting therapy, I recommend recheck on the clinical exam, BUN, Creatinine, USG, Chest radiographs & Blood pressure in 5-7 days. Recheck echo in 6 months, earlier if clinical decompensation is occurring. Minor anesthetic risk for a brief procedure at this time. Repeat preanesthetic echo is ideal if anesthesia is eventually necessary. A suggested anesthetic combination would involve Torbutrol premed, propofol induction, Isoflurane maintenance or equivalent protocol.





PATIENT

Suzy Saindon

SPECIES

Canine

BREED

Chihuahua

SEX

Spayed Female

AGE

14

WEIGHT

10

INTERPRETED BY

Eric Lindquist, DMV,
DABVP (Canine &
Feline), Cert. IVUSS

IMAGING PERFORMED BY

Dr. Lenore Saindon

HOSPITAL NAME

Underdog Pet Rescue

REFERRING VET

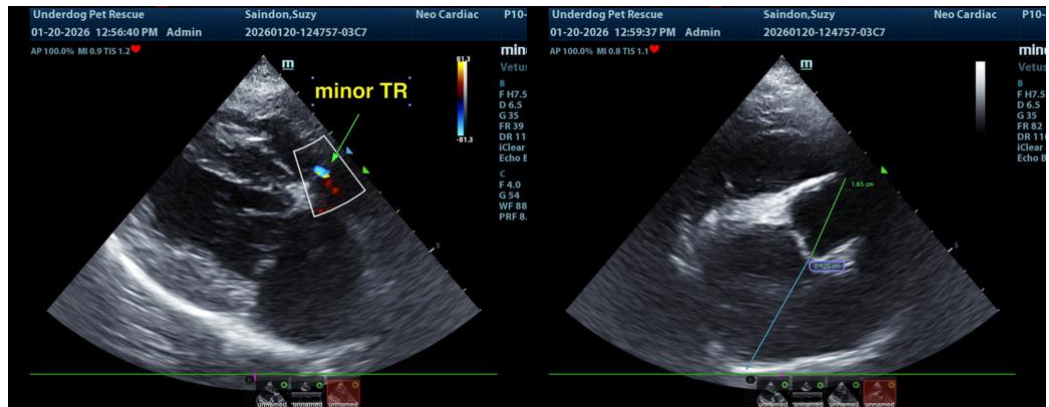
Dr. Lenore Saindon

INVOICE

35530

DATE

1/20/26



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.

Sara Brethel DVM, DACVIM (Cardiology)

info@SonoPath.com