

PATIENT

Zoey Kim

PRESENTING CLINICAL SIGNS

History: Grade 3/6 left sided systolic murmur Current Medications 1/4 12.5mg furosemide PO Q24h, and 1/3 2.5mg enalapril PO q24h

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: ALT- 67 BUN- 60 -high protein diet. Normal creatinine

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

BREED	CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (Boon method)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
Rat Terrier								
SEX	NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
Spayed Female	PATIENT	5.0		1.4	2.0	47	80	0.22
AGE	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)
13 Years								
WEIGHT	NORMAL PARAMETER	50-100	0.7-1.7	0.7-1.6				
10.7 Pounds	PATIENT	190	1.50	1.00	--	3.6	3.24	--

Cardiac Presentation

INTERPRETED BY

Eric Lindquist, DMV, DABVP, Cert. IVUS

The echocardiogram for this patient presented excessive **left atrial size** expressed both in the LA/AO and LA max measurements. Complete filling of the left atrium noted consistent with severe mitral insufficiency. Significant vegetative changes were noted in the anterior mitral valve leaflet. Prolapse in the anterior mitral valve leaflet also noted. The **left ventricle** presented thicknesses with linear contour and was not dilated nor restricted.

HOSPITAL NAME

Edgewood AC

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** insufficiency 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. Hepatic veins were not dilated.

REFERRING VET

Dr. Kimball

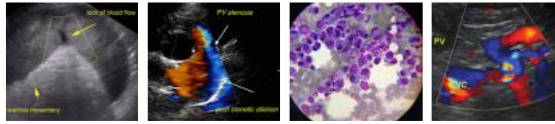
INVOICE NUMBER

13634

ULTRASONOGRAPHIC FINDINGS

DATE

10/9/21



PATIENT

Zoey Kim

- Partially compensated mitral insufficiency
- Left atrial enlargement
- Mitral and tricuspid insufficiency
- Residual left atrial enlargement

SPECIES

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BREED

Rat Terrier

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

I recommend adding to the current protocol Pimobendan at 0.3 mg per kg BID and recheck echo in 1-3 months depending upon clinical status. Assessment of BUN, creatinine, USG, chest radiographs and blood pressure as well as clinical exam ideal in 7-10 days. Basal respiratory rate should be <20/min.

SEX

Spayed Female

AGE

13 Years

WEIGHT

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 DABVP, Cert. IVUSS

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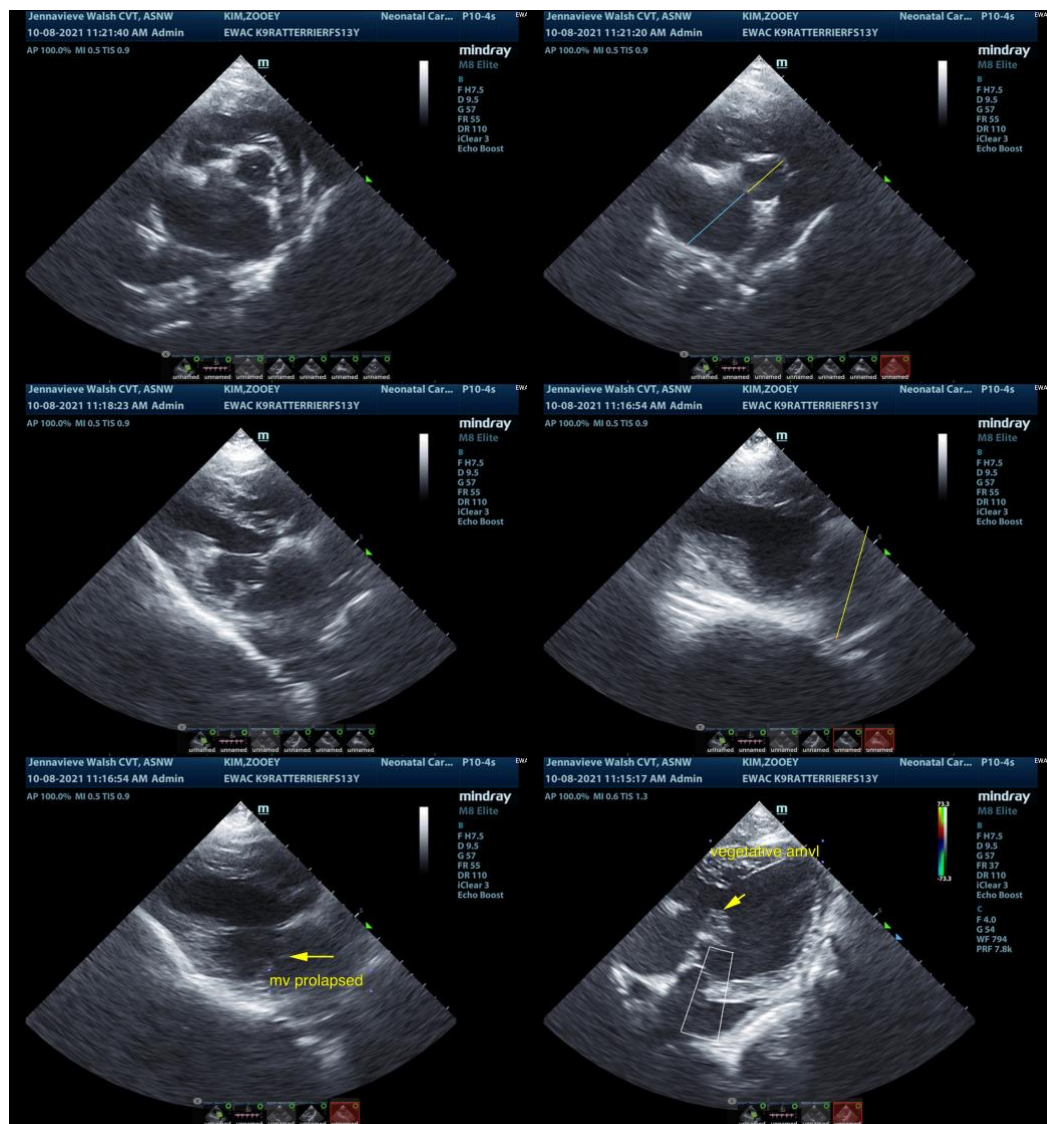
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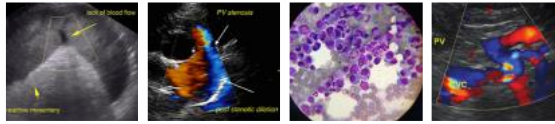
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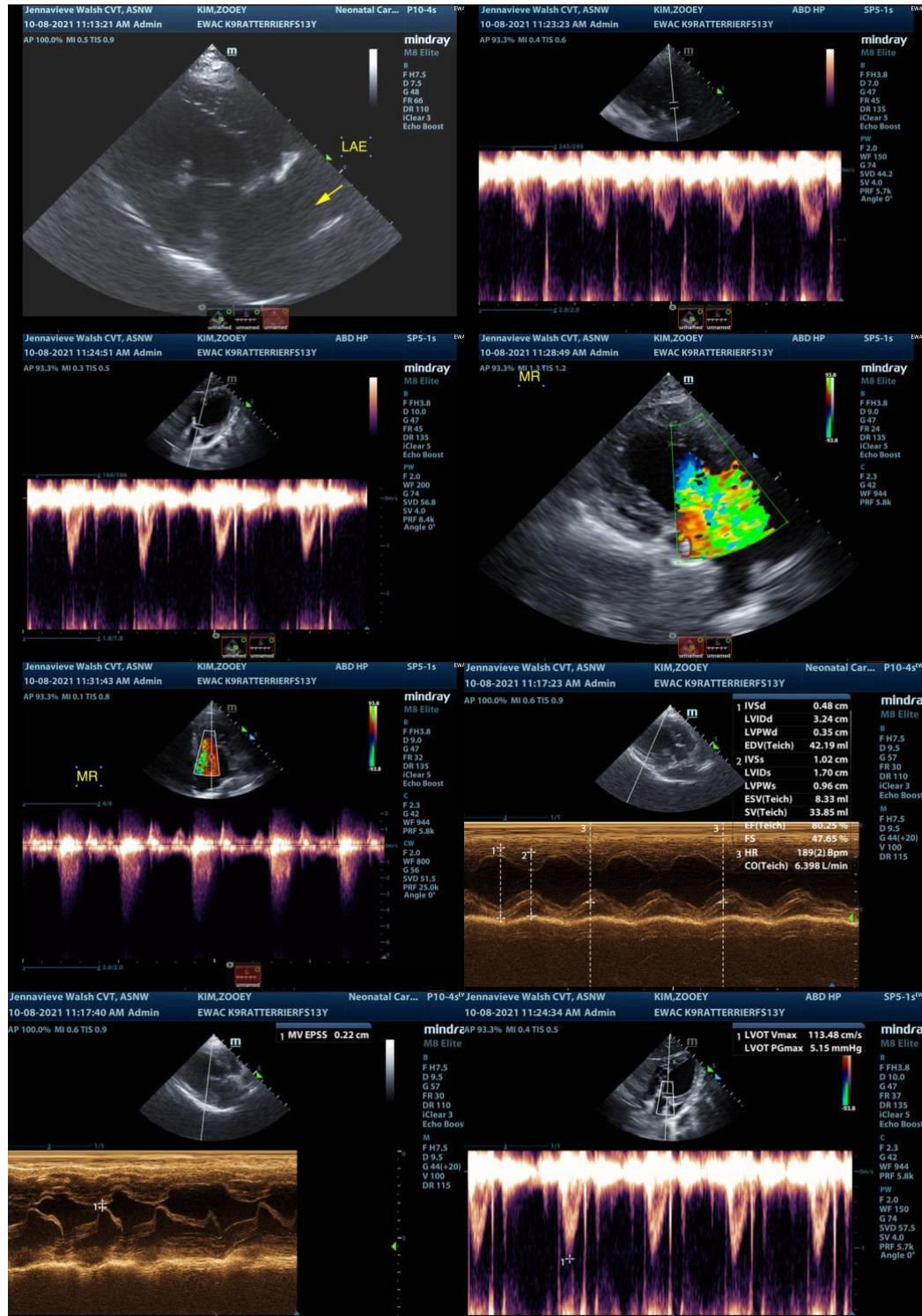
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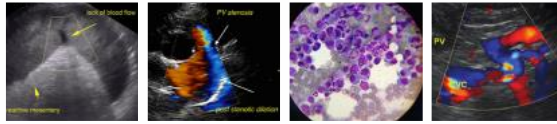
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology



PATIENT that was not visible in the image/video clips provided.

Zoey Kim 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.

SPECIES **Eric Lindquist**, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com
Eric.Lindquist@SonoPath.com

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Rat Terrier

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Spayed Female

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