



PATIENT PRESENTING CLINICAL SIGNS

Luncinda Finkelstein

History: Grade 3/5 murmur,
Abnormal PE/Chem/CBC/UA Results: BP 111/72(94), 130/83(97), 119/82(96)

SPECIES

Canine

BREED

Chihuahua

SEX

Spayed female

AGE

13 years

WEIGHT

6.3 lbs

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The echocardiogram in this patient demonstrated enlarged **left atrial** size based on 3 different LA measurement methods. 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 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. **Tricuspid** valvular assessment demonstrated adequate linear morphology. 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. The patient was visibly tachycardic. Comet tail lung pattern was noted in the peripheral lung fields.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

JK

HOSPITAL NAME

Hamburg VC

REFERRING VET

Dr. Martens

INVOICE

32900

DATE

9/14/22

CANINE	MR	TR	LA/AO	LA/AO	FS	EF	EPSS
CARDIAC PARAMETERS	VMAX (m/s)	VMAX (m/s)	(Boon method)	(Heart Base; Swe)	(%)	(%)	(cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT	5.5		1.7	1.93	59	90	0.1
CANINE	HR	AV	PV	BODY WEIGHT	LA	LVIDd	LVIDs
CARDIAC PARAMETERS	(BPM)	VMAX (m/s)	MAX (m/s)		2D short axis Base view (cm)	Avg; 2D and m-mode short axis (cm)	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	194	1.3	0.7	6.3 lbs	2.7	2.41	



PATIENT

Luncinda Finkelstein

ULTRASONOGRAPHIC FINDINGS

Stage B2 valvular disease.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Pimobendan is indicated at 0.3 mg/kg b.i.d. If the patient is hypertensive ace inhibitor therapy can be considered at 0.5 mg/kg s.i.d. and Spironolactone at 1-2 mg/kg b.i.d. However, there is a significant bronchial component that is likely playing a role in this patient. Therefore, bronchodilators and broad spectrum antibiotics may be necessary.

BREED

Chihuahua

SEX

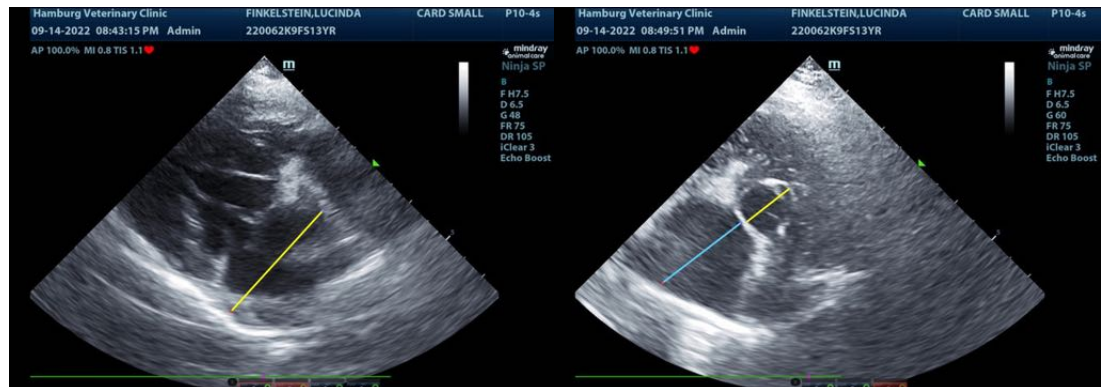
Spayed female

AGE

13 years

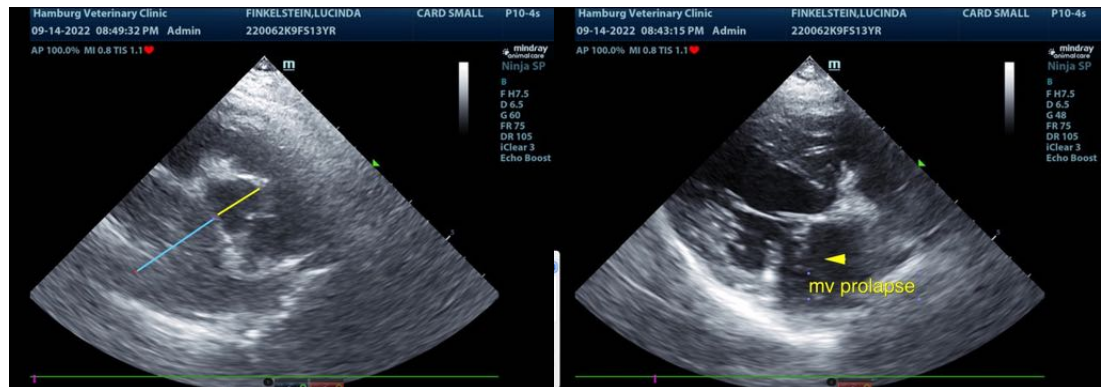
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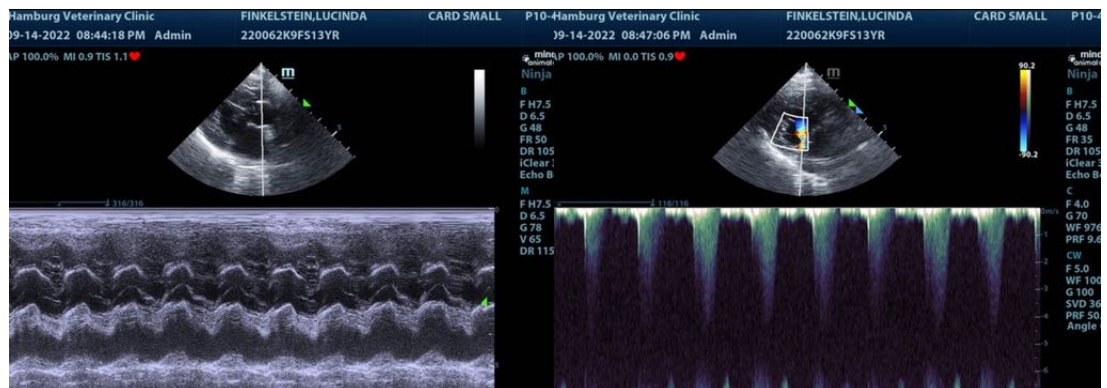


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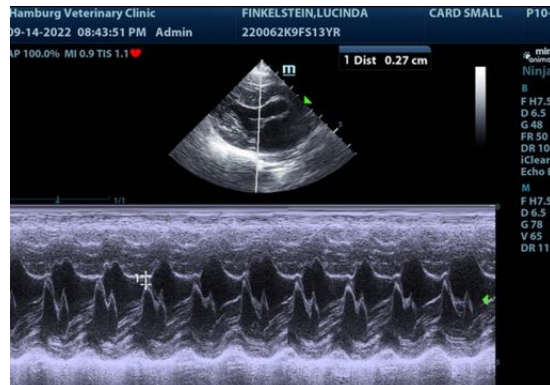
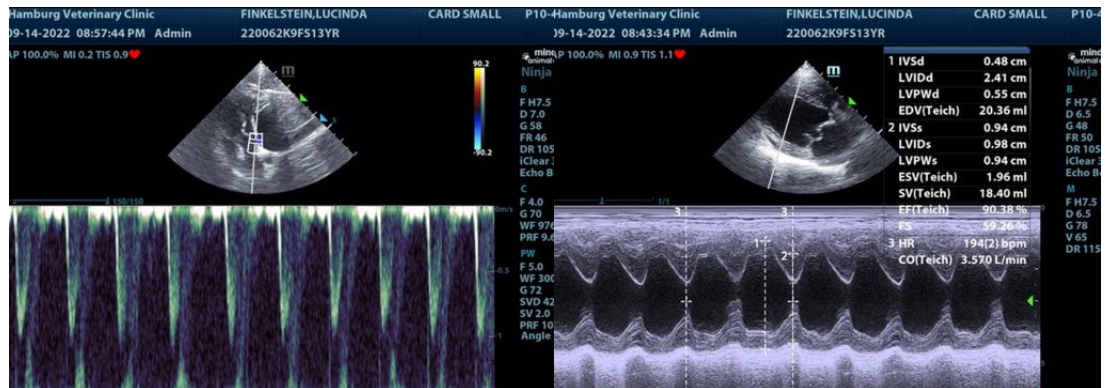
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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