



**PATIENT**

Oreo Fernandez

**SPECIES**

Canine

**BREED**

Shipoo

**SEX**

Neutered Male

**AGE**

13 Years

**WEIGHT**

9 lbs

**INTERPRETED BY**

Eric Lindquist, DMV,  
DABVP (CFM), Cert.  
IVUSS

**IMAGING PERFORMED BY**

Rebecca Hamilton

**HOSPITAL NAME**

Midland Park  
Veterinary Hospital

**REFERRING VET**

Dr. Shokoff

**INVOICE**

71778

**DATE**

11/13/25

**PRESENTING CLINICAL SIGNS**

Recheck echo. progressive cough. increased frequency of cough. Meds: Vetmedin 1.25 mg BID, Furosemide 18.75 mg BID, Spironolactone 6.25 mg BID, Enalapril 2.5 mg BID.

Abnormal PE/Chem/CBC/UA Results: ^BUN 82, ^SDMA 23.6, ^BUN:CREAT ratio 55, ^ Magnesium 2.6, Decreased CPK 52, Urine: Trace protein, USG 1.045. Blood Pressures: 152/80 M111 HR 158, 157/76 M103 HR 126, 161/81 M 108 HR 141.

**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	5.9	3.0	1.5	--	33	64	NM
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT (lbs)	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	168	1.3	1.1	9	4.2	3.1	--

**Cardiac Presentation**

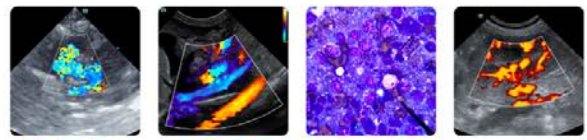
The cardiac presentation revealed persistent mitral and tricuspid insufficiency with flail anterior mitral valve leaflet. Volume parameters have improved somewhat compared to the prior sonogram yet persistent volume overload is evident. Contractility was marginal.

**ULTRASONOGRAPHIC FINDINGS**

- Partially compensated valvular disease.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Recommend continuation of the current protocol and increasing Vetmedin to TID dosing if tolerable. Telmisartan may be appropriate, given the hypertension. Primary respiratory disease could also be playing a role in this patient. However, significant improvement has occurred compared to the prior sonogram. Prognosis is extremely guarded given the flail valve leaflet and persistent volume overload. Torsemide may be appropriate depending upon radiographic findings if wet lung is present, with attentive dose management in respect to renal/urinary side effects. However, this can be problematic to manage. Referral for potential surgical intervention upon the mitral valve may be appropriate in this patient where available.



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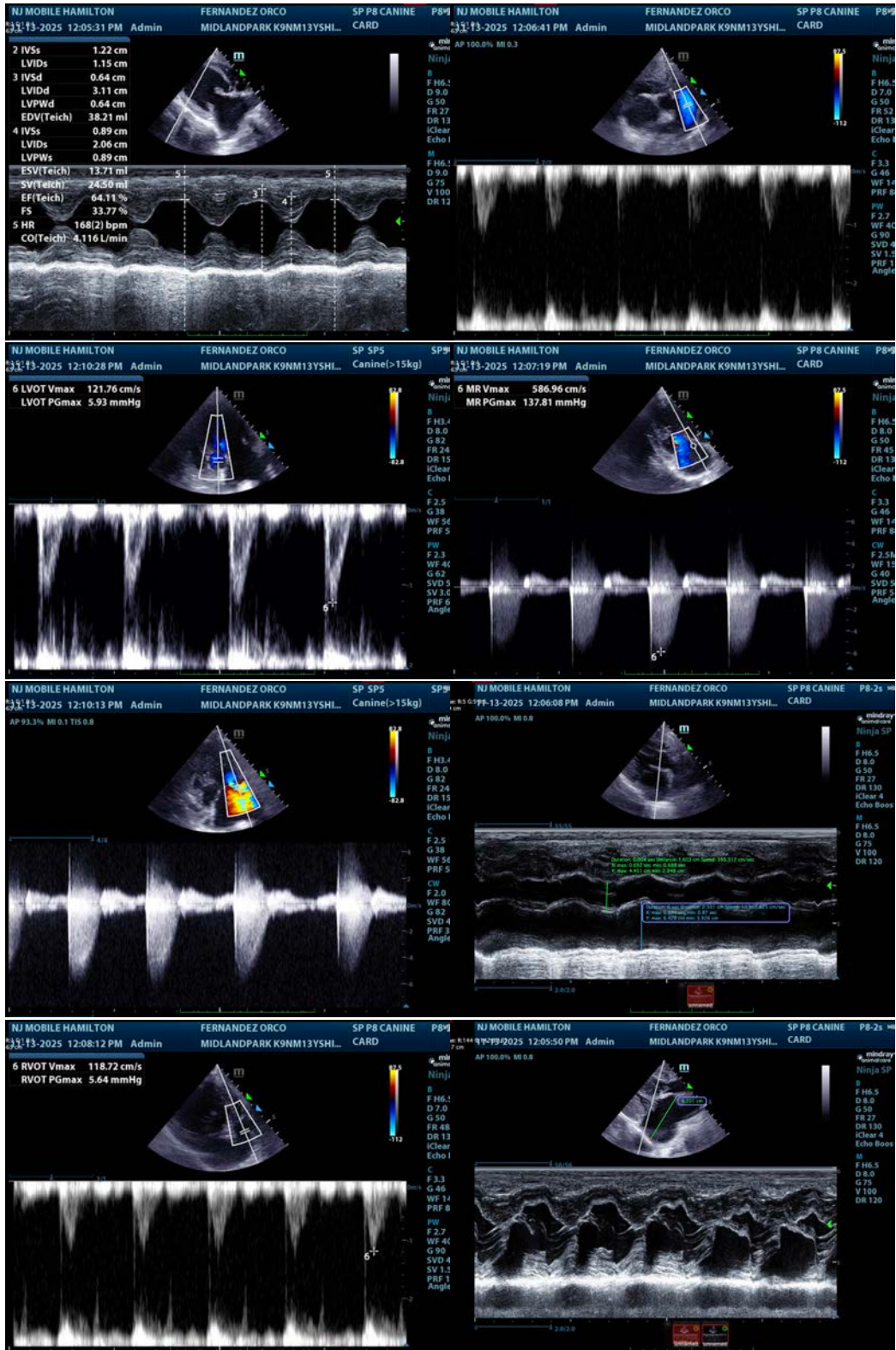
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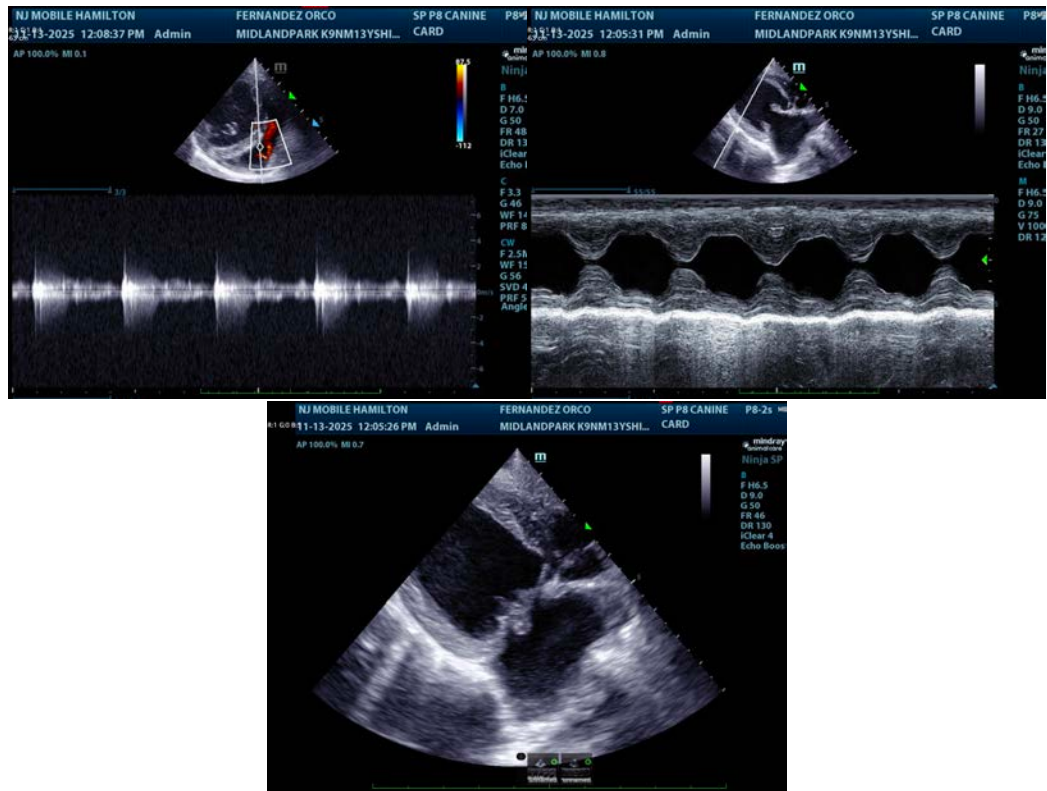
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

**Eric Lindquist**, DMV, DABVP(CFM), Cert. IVUSS,  
 CEO, Owner, Founder -- SonoPath.com  
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