



## PATIENT

Diesel Hillstrand

## SPECIES

Canine

## BREED

Lab Mix

## SEX

Neutered male

## AGE

11 years

## WEIGHT

69 lbs

## INTERPRETED BY

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

## IMAGING PERFORMED BY

Dr. Meier Gast

## HOSPITAL NAME

Meier VC

## REFERRING VET

Dr. Ross

## INVOICE

69718

## DATE

12/30/25

## PRESENTING CLINICAL SIGNS

History: Owner presented after P collapsed when outside, O was concerned for a stroke. Soft gallop arrhythmia. Referred for cardiac ultrasound, large splenic mass found at head of spleen, plan to proceed with splenectomy

## ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate methods of LA evaluation. Trivial **mitral** valve insufficiency was noted on spectral Doppler. 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** was slightly subnormal, yet not pathological. 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. **Tricuspid** insufficiency was noted and not clinically significant. The **right ventricle** was of normal size (1/3 diameter of LV), chordae structure, myocardial echogenicity and thickness. **Pulmonary outflow** 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. The cranial **mediastinum and pericardial and extra-cardiac regions** were free of masses in the visible window. The patient appeared to have mild bradycardia.

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO	LA/AO (Heart Base)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT	-	-	1.1	1.4	26	51	0.4
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	60	1.11	0.46	69 lbs	3.6	3.59	

## ULTRASONOGRAPHIC FINDINGS

Normal echocardiogram with minor mitral insufficiency.

Stage B1 valvular disease.

Mild bradycardia.



## PATIENT

Diesel Hillstrand

## SPECIES

Canine

## BREED

Lab Mix

## SEX

Neutered male

## AGE

11 years

## WEIGHT

69 lbs

## INTERPRETED BY

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

## IMAGING PERFORMED BY

Dr. Meier Gast

## HOSPITAL NAME

Meier VC

## REFERRING VET

Dr. Ross

## INVOICE

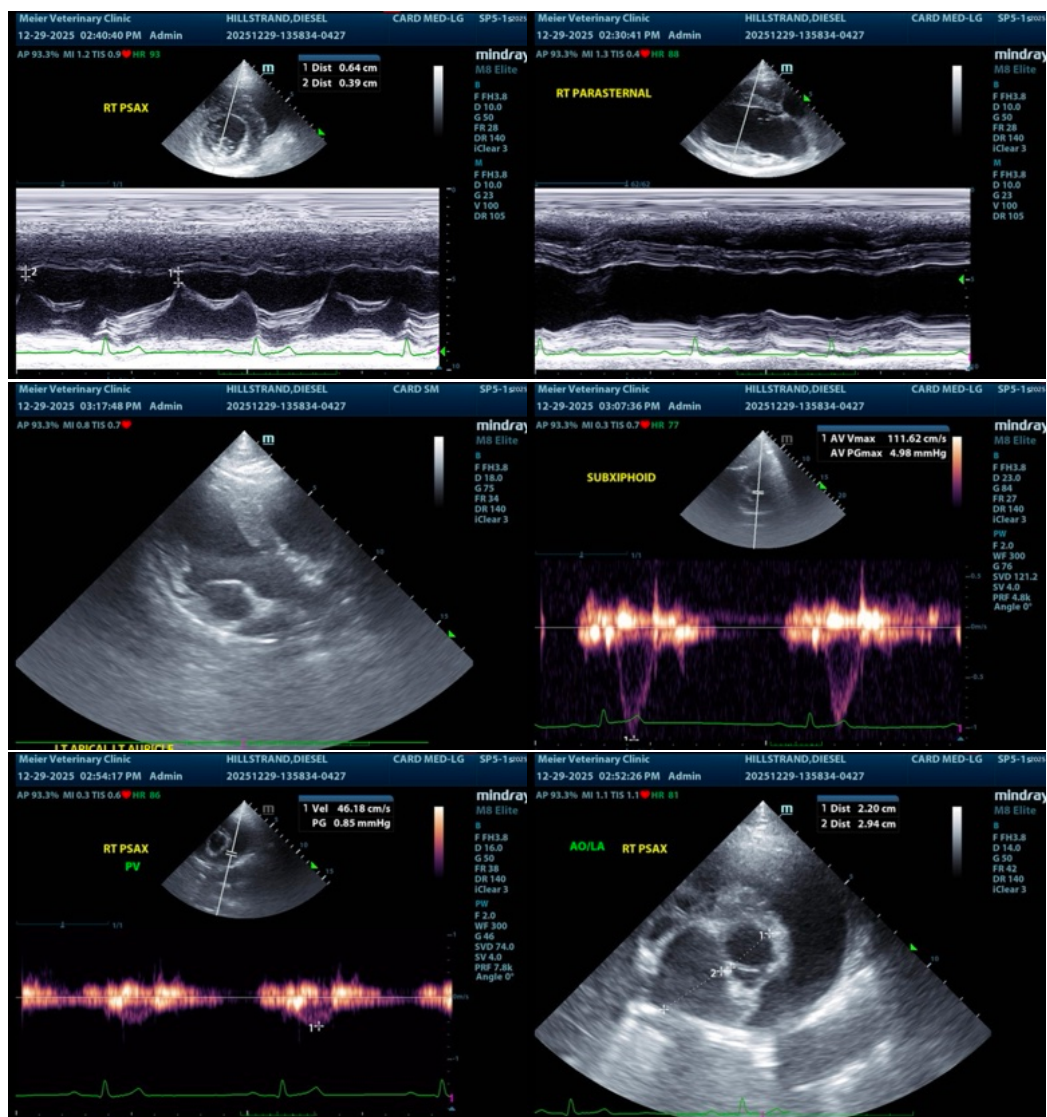
69718

## DATE

12/30/25

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There was no evidence of significant disease. There is no contraindication to anesthetic procedure if necessary. I recommend management based on EKG results. Thyroid assessment is also warranted or assessment for systemic disease given the contractility was slightly subnormal. Effector organ issues may be playing a role owing to pathology such as hypothyroidism, Addison's disease and systemic disease.





**PATIENT**

Diesel Hillstrand

**SPECIES**

Canine

**BREED**

Lab Mix

**SEX**

Neutered male

**AGE**

11 years

**WEIGHT**

69 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. Meier Gast

**HOSPITAL NAME**

Meier VC

**REFERRING VET**

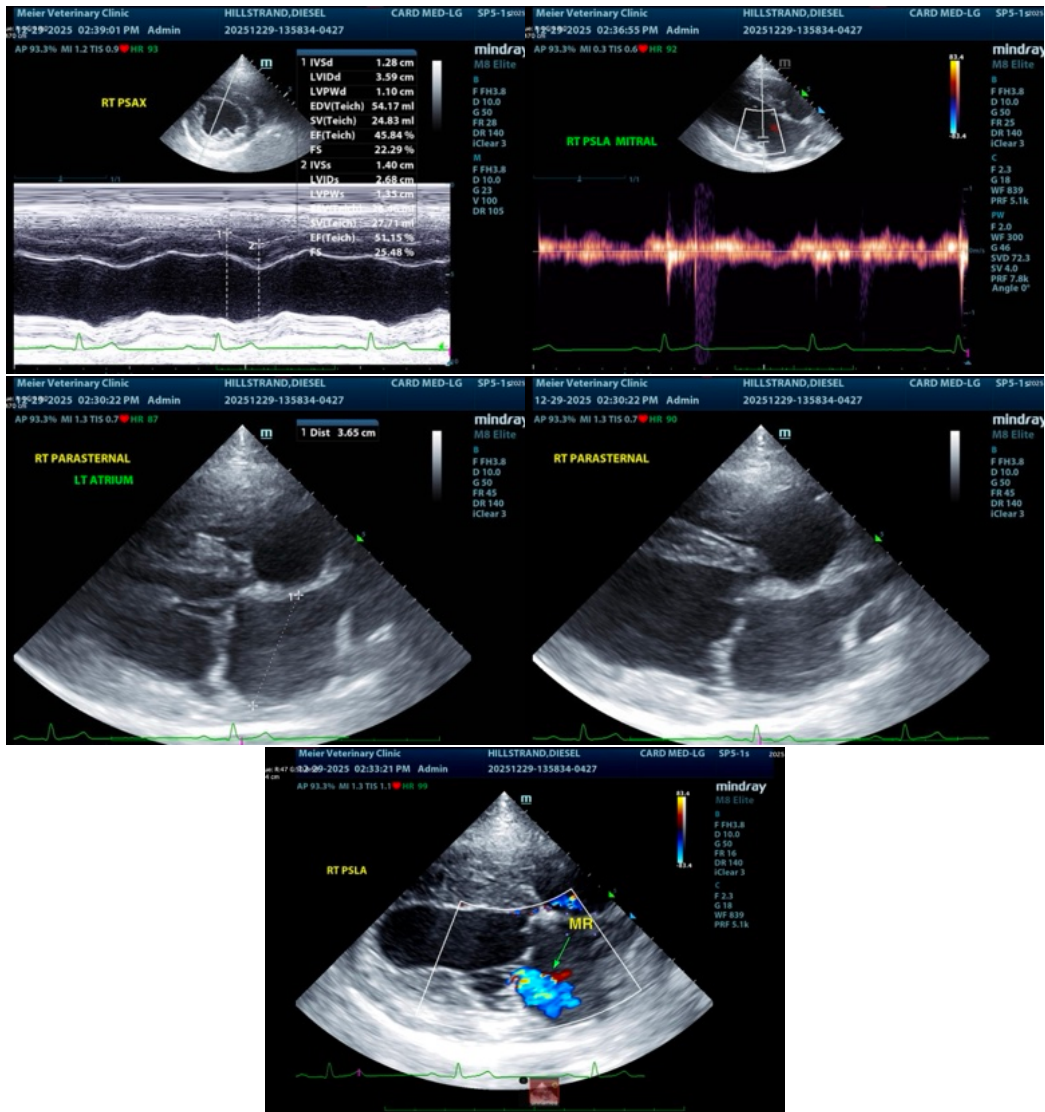
Dr. Ross

**INVOICE**

69718

**DATE**

12/30/25



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 of SonoPath.com

[info@SonoPath.com](mailto:info@SonoPath.com)