



PATIENT PRESENTING CLINICAL SIGNS

Rooney Lewis

History: Coughing and exercise intolerance last 3-4 months. 9/29/22 put on Enrofloxacin and Furosemide (one round for both). Grew Fusobacterium, changed to Amox Clavulanate.

SPECIES

Abnormal PE/Chem/CBC/UA Results: CBC normal, HW negative, Lyme negative, Ehrlichia negative, Anaplasma negative, radiographs thorax - suggest mild cardiomegaly perhaps (subtle if true).

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

BREED

The cardiac presentation in this patient revealed normal cardiac volume. The contractility was subnormal. Bradycardia was present. There is no evidence of valvular disease. The bradycardia is likely owing to the sedation in this patient. No pleural or pericardial effusion was noted.

Australian Shepherd

SEX

Spayed female

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (Boon method)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT			1.15	1.5	15		0.75
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT	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				36.2		2.9	

AGE

4 years

WEIGHT

36.2 lbs

INTERPRETED BY

Eric Lindquist, DMV DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Beard

HOSPITAL NAME

West Prince AH

ULTRASONOGRAPHIC FINDINGS

Subnormal contractility and bradycardia.

REFERRING VET

Dr. Gabbard

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Hypocontractility is concerning; however, this is difficult to evaluate on Dexdomitor even after reversal of anacetine. Under Dexdomitor the fractional shortening is approximately 10-12% and under anacetine it is approximately 20%. There was no evidence of DCM present as EPSS was normal as were the internal volumes. Addison's should be ruled out in this patient with baseline cortisol or ACTH stimulation. EKG is indicated to rule out heart block. Consideration for emerging nutritional cardiomyopathy or systemic disease such as hypothyroidism. Holter monitor would be optimal in this patient. The cough is unlikely to be cardiogenic in this patient. Further evaluation without sedation would be appropriate.

INVOICE

42421

DATE

11/8/22



PATIENT

Rooney Lewis

SPECIES

Canine

BREED

Australian Shepherd

SEX

Spayed female

AGE

4 years

WEIGHT

36.2 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUS

IMAGING PERFORMED BY

Dr. Beard

HOSPITAL NAME

West Prince AH

REFERRING VET

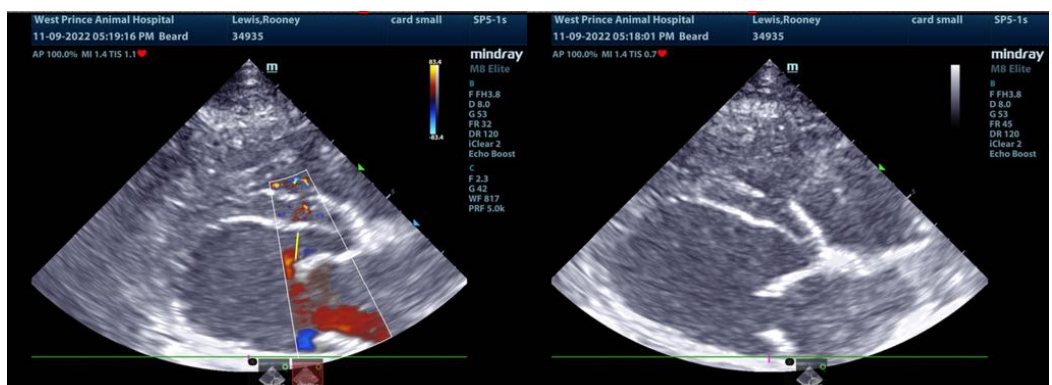
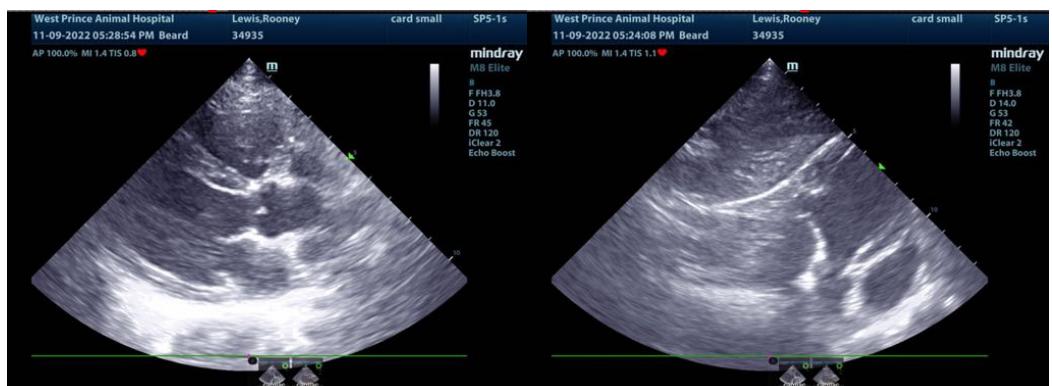
Dr. Gabbard

INVOICE

42421

DATE

11/8/22





PATIENT

Rooney Lewis

SPECIES

Canine

BREED

Australian Shepherd

SEX

Spayed female

AGE

4 years

WEIGHT

36.2 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Dr. Beard

HOSPITAL NAME

West Prince AH

REFERRING VET

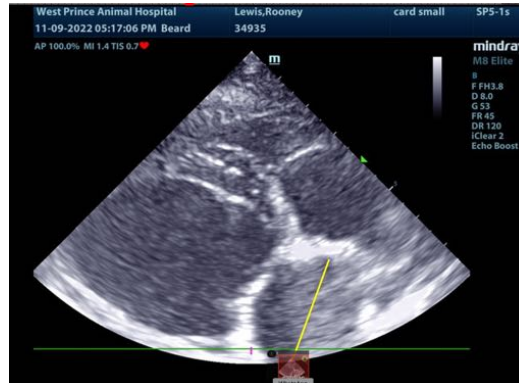
Dr. Gabbard

INVOICE

42421

DATE

11/8/22



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, Cert. IVUSS, CEO of SonoPath.com
info@SonoPath.com