



PATIENT PRESENTING CLINICAL SIGNS

PATIENT Remi Anciaux History: Historic murmur per owner (new patient to Midtown). Hoping to schedule a dental cleaning soon. No concerns per owner

SPECIES Canine Abnormal PE/Chem/CBC/UA Results: PE - grade V/VI systolic heart murmur heard bilaterally. Blood draw yesterday resulted in an immediate hematoma. Lab results ALP 426, BUN 47, CBC unremarkable. UA showed 1.030 SpG, UPC 0.3 (mildly elevated). Blood pressure median 147/117 (127). Abdominal ultrasound - thrombus found in CVC near diaphragm. Normal sized adrenal glands. Echogenic debris in gall bladder. Chronic renal changes

BREED

JRT Mix

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

SEX

Spayed Female

AGE

13 Years

WEIGHT

17.3 Lbs.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

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	--	1.3	1.15	1.27	55	87	0.12
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	--	1.10	1.00	--	2.9	3.1	--

IMAGING PERFORMED BY

Kelly Romero

HOSPITAL NAME

Midtown

REFERRING VET

Lisa McCarthy

INVOICE

13571

DATE

1/22/22

Cardiac Presentation

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate methods of LA evaluation. Minor trivial **mitral** insufficiency noted. 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** 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. Minor **tricuspid** Insufficiency noted at 1.3 m/s. 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. Occasional arrhythmia noted in this patient.

ULTRASONOGRAPHIC FINDINGS



PATIENT

Remi Anciaux

- Early-stage B-1 valvular disease
- Minor mitral and tricuspid insufficiency

SPECIES

Canine

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No volume overload. Thromboembolic disease reported is unlikely to be related to the heart. Blood pressure measurements warranted. No cardiac medication recommended.

BREED

JRT Mix

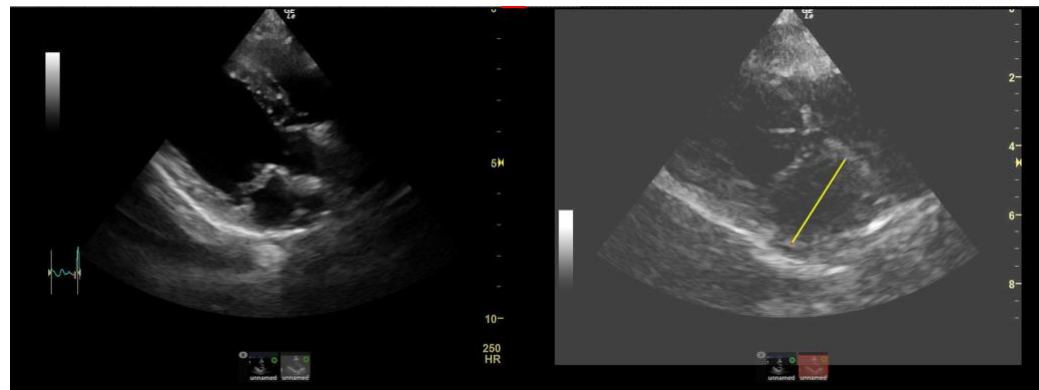
The heart is stable without clinical disease. No overt contraindication for anesthesia of brief to moderate duration. I suggest Torbutrol premed, Propofol induction, Isoflor maintenance or similar protocol if anesthesia is desired. Blood pressure recommended if not already performed and target white coat negative systolic pressure of < 160 mmHg. If higher than this ACE-inhibitor is suggested to reach this level. Recheck echocardiogram is recommended in 6 months, earlier if murmur grade increases or clinical signs initiate.

AGE

13 Years

WEIGHT

17.3 Lbs.



INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

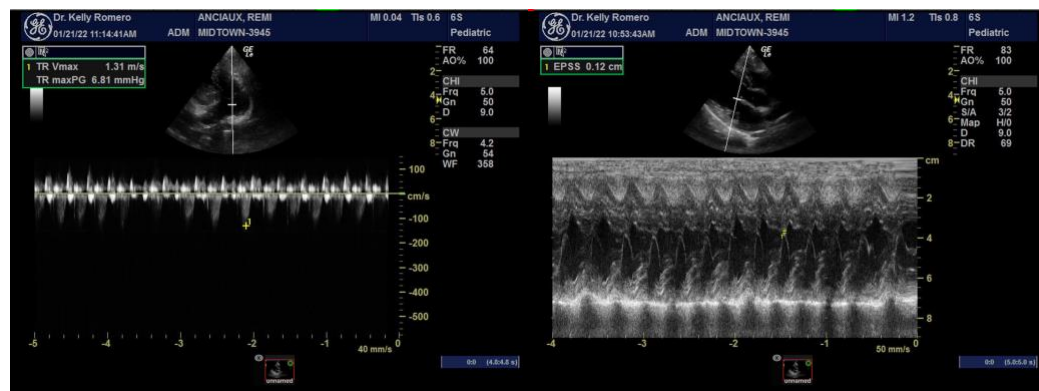
Kelly Romero

HOSPITAL NAME

Midtown

REFERRING VET

Lisa McCarthy



INVOICE

13571

DATE

1/22/22



PATIENT

Remi Anciaux

SPECIES

Canine

BREED

JRT Mix

SEX

Spayed Female

AGE

13 Years

WEIGHT

17.3 Lbs.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Kelly Romero

HOSPITAL NAME

Midtown

REFERRING VET

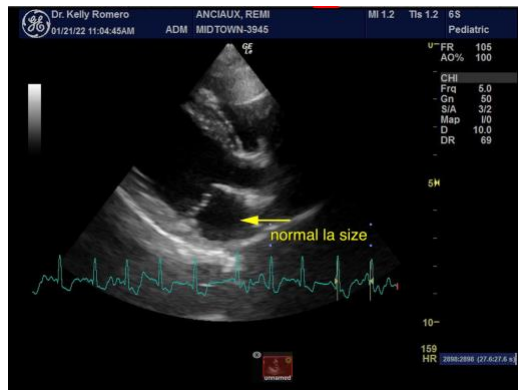
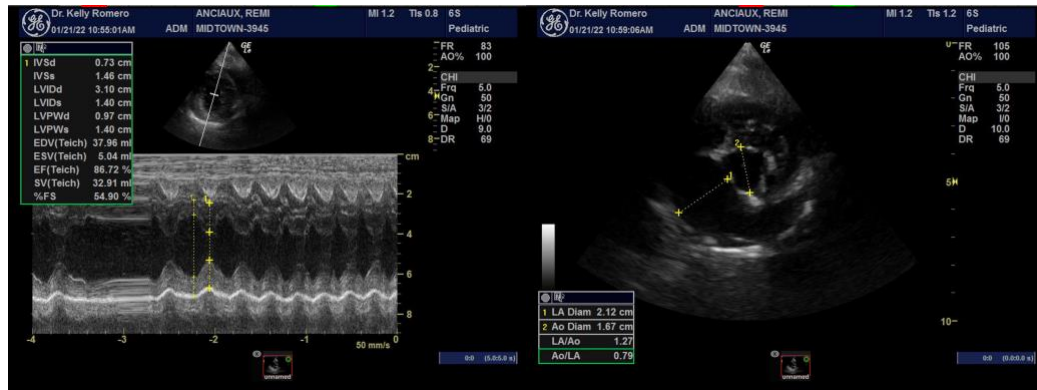
Lisa McCarthy

INVOICE

13571

DATE

1/22/22



The information and recommendations provided are based on the images presented by the referring veterinarian. 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