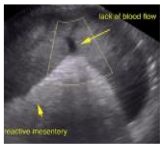
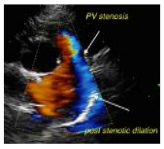
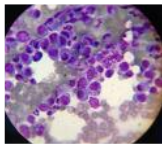
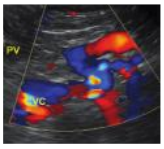
SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™

SonoPath.com
1-800-838-4268 info@sonopath.com

PATIENT
Bella Krystofiak

SPECIES
Canine

BREED
Beagle

SEX
FS

AGE
12 years

WEIGHT
26.2 lbs.

INTERPRETED BY
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)

IMAGING PERFORMED BY
Diane McFadden

HOSPITAL NAME
Animal Care Centers of Landing

REFERRING VET
Dr. Villari

INVOICE

DATE
8/2/22

PRESENTING CLINICAL SIGNS

-recheck echo for progressive LA enlargement. On spironolactone, lasix, pimobendan

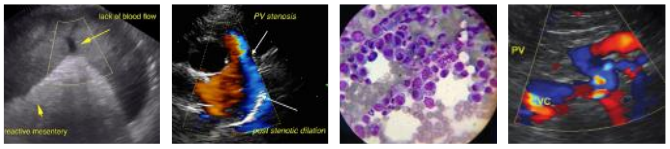
ULTRASONOGRAPHIC EXAMINATION OF THE HEART

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	<1.3	28-40	40-100	<0.6
PATIENT	6.0	3.0	2.1	2.1	50.9	82.7	0.27
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				
PATIENT	111	1.9	1.3		4.9	3.9	

Cardiac Presentation

The echocardiogram in this patient demonstrated moderately enlarged **left atrial** size based on 2 different LA measurement methods. Minor deviation of the interatrial septum towards the right atrium, suggestive of increased left atrial pressure, was present. The cranial and caudal **mitral** valve leaflets presented mild vegetative thickening consistent with mild endocardiosis. Doppler indicated measurable moderate eccentric insufficiency. The **left ventricle** presented normal thicknesses with linear contour with subjective mild Increased left ventricle volume. 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. Minor aortic insufficiency measuring 2.4 m/s was present on doppler. 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. Mild tricuspid insufficiency was present on doppler. 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). Trace pulomonic insufficiency was present on doppler. 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.

SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™
SonoPath.com
1-800-838-4268 info@sonopath.com



PATIENT

Bella Krystofiak

SPECIES

Canine

BREED

Beagle

SEX

FS

AGE

12 years

WEIGHT

26.2 lbs.

INTERPRETED BY

R. McKenzie Daniel, DVM, DABVP (Canine and Feline)

IMAGING PERFORMED BY

Diane McFadden

HOSPITAL NAME

Animal Care Centers of Landing

REFERRING VET

Dr. Villari

INVOICE

DATE

8/2/22

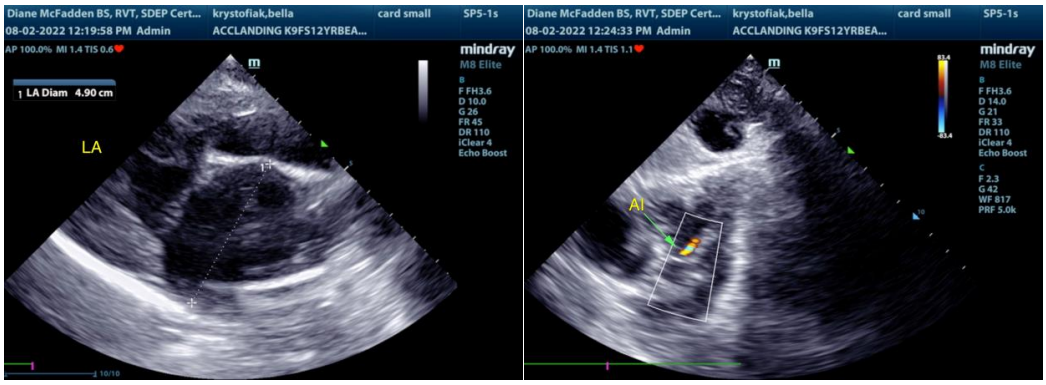
ULTRASONOGRAPHIC FINDINGS

- Chronic mitral valve disease (ACVIM B2)
- TV insufficiency - estimated pulmonary pressure gradient (≈27 mmHg) consistent with mild elevated pulmonary pressure, yet not overt clinical pulmonary hypertension
- Mino aortic and pulmonic valve insufficiency

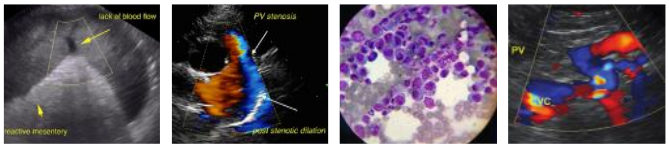
INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The left atrium size appears to be essentially static compared to the previous ultrasound without evidence of progressive left atrium enlargement. The continued moderate LA enlargement indicates a continued Increased risk for complication. No other clinical issues such as LV systolic dysfunction or overt clinical pulmonary hypertension were present.

Continued Pimobendan at current dose along with lowest effective dose of diuretic therapy is warranted with monitoring of renal parameters, resting respiration rate, +/- periodic ECG and blood pressure. Continued sonographic monitoring is required for further prognosis. Recheck echocardiogram is recommended in 6 months, sooner if clinical signs arise. Overall, the heart appears to be essentially static compared to the previous echocardiogram.



SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™



SonoPath.com
1-800-838-4268 info@sonopath.com

PATIENT

Bella Krystofiak

SPECIES

Canine

BREED

Beagle

SEX

FS

AGE

12 years

WEIGHT

26.2 lbs.

INTERPRETED BY

R. McKenzie Daniel, DVM, DABVP (Canine and Feline)

IMAGING PERFORMED BY

Diane McFadden

HOSPITAL NAME

Animal Care Centers of Landing

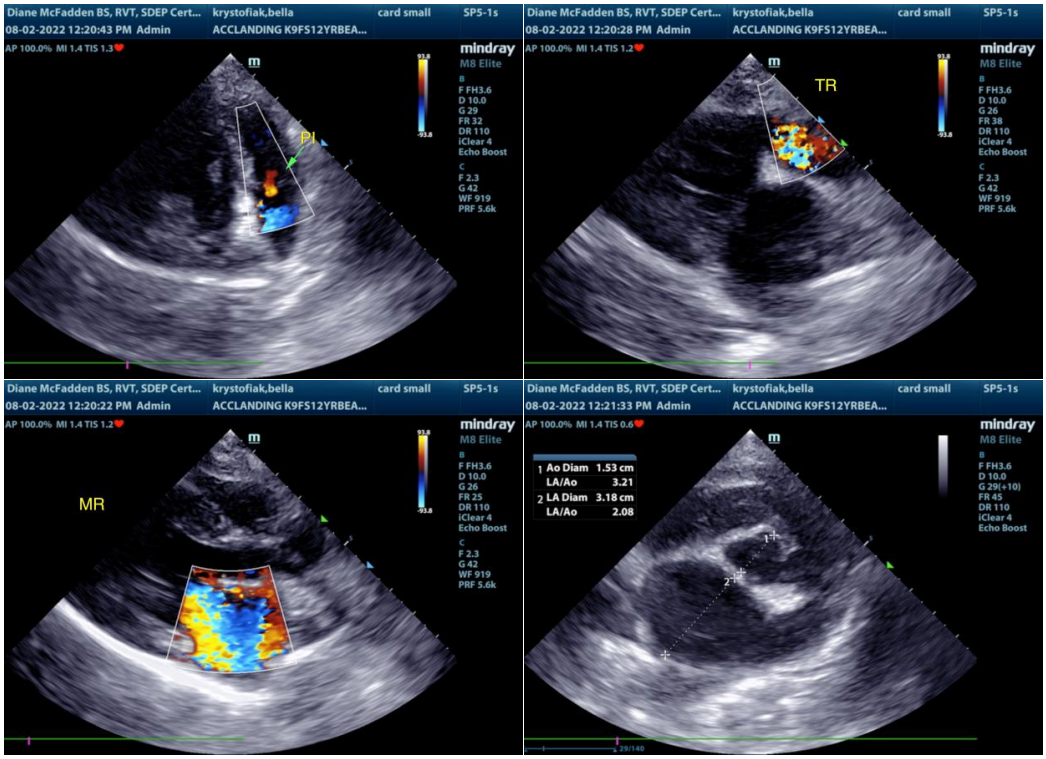
REFERRING VET

Dr. Villari

INVOICE

DATE

8/2/22



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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)
info@SonoPath.com