



PATIENT

Chewie Morrisey

PRESENTING CLINICAL SIGNS

Grade 2/3 murmur. Mild cardiomegaly on CXR. Pre-anesthesia. Elevated liver enzymes.

SPECIES

Canine

BREED

Yorkie

SEX

Spayed Female

AGE

5 years

WEIGHT

4.7 kg

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 different LA measurement methods. Chamber volumes and echogenicity were normal. The cranial and caudal **mitral** valve leaflets presented vegetative thickening consistent with endocardiosis. Doppler indicated measurable insufficiency. 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 or chamber overload. **Tricuspid** valvular assessment demonstrated adequate linear morphology. The **right ventricle** was of normal size (1/3 diameter of LV), chordae structure, myocardial echogenicity and thickness. Trivial **pulmonic** insufficiency was noted on color flow assessment. 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. Occasional arrhythmia was noted in this patient.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dave Stasiuk RDMS,
RDCS

HOSPITAL NAME

Resolution Veterinary
Ultrasound

REFERRING VET

Dr. Hamill

INVOICE

95205

DATE

1/12/22

CANINE	MR	TR	LA/AO	LA/AO	FS	EF	EPSS
CARDIAC PARAMETERS	VMAX (m/s)	VMAX (m/s)	(Boon method)	(Heart Base; Swe)	(%)	(%)	(cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT			1.3	1.3			0.1
CANINE	HR	AV	PV	BODY WEIGHT	LA	LVIDd	LVIDs
CARDIAC PARAMETERS	(BPM)	VMAX (m/s)	MAX (m/s)	(kg)	2D short axis Base view (cm)	Avg; 2D and m-mode short axis (cm)	Avg; 2D and m-mode short axis (cm)
NORMAL PARAMETER	50-100	0.7-1.7	0.7-1.6				
PATIENT		1.7	1.11		21.9	2.13	

ULTRASONOGRAPHIC FINDINGS

Very early stage B1 valvular disease.

No evidence of volume overload. No mitral insufficiency velocity.

Arrhythmia, however, this may be simple sinus arrhythmia.



PATIENT

Chewie Morrisey

SPECIES

Canine

BREED

Yorkie

SEX

Spayed Female

AGE

5 years

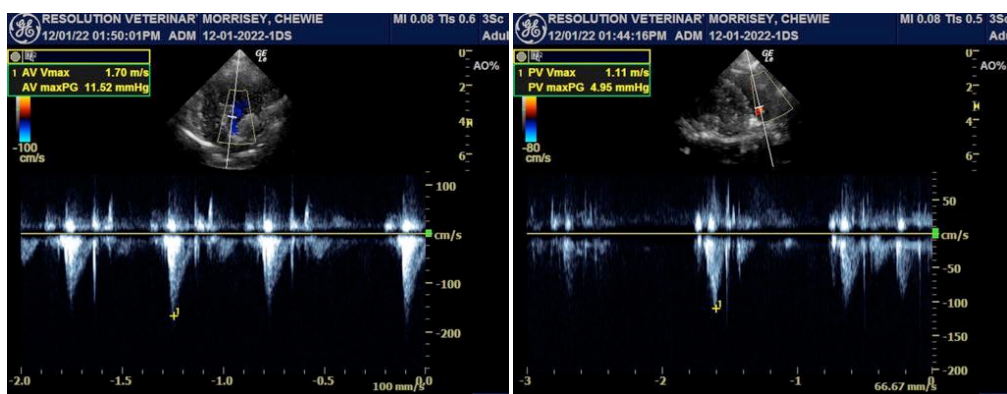
WEIGHT

4.7 kg

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

EKG or Holter monitor is warranted. There is no contraindication to anesthetic procedure.

B1: The heart is stable without clinical disease. No overt contraindication for anesthesia of brief to moderate duration. I suggest Torbutrol premed, Propofol induction, Isoflurane 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.



INTERPRETED BY

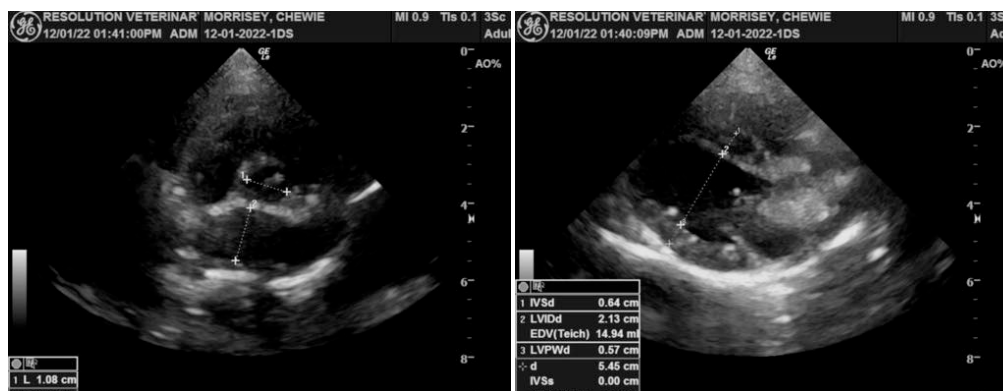
Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dave Stasiuk RDMS,
RDCS

HOSPITAL NAME

Resolution Veterinary
Ultrasound



REFERRING VET

Dr. Hamill

INVOICE

95205

DATE

1/12/22





PATIENT

Chewie Morrisey

SPECIES

Canine

BREED

Yorkie

SEX

Spayed Female

AGE

5 years

WEIGHT

4.7 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dave Stasiuk RDMS,
RDCS

HOSPITAL NAME

Resolution Veterinary
Ultrasound

REFERRING VET

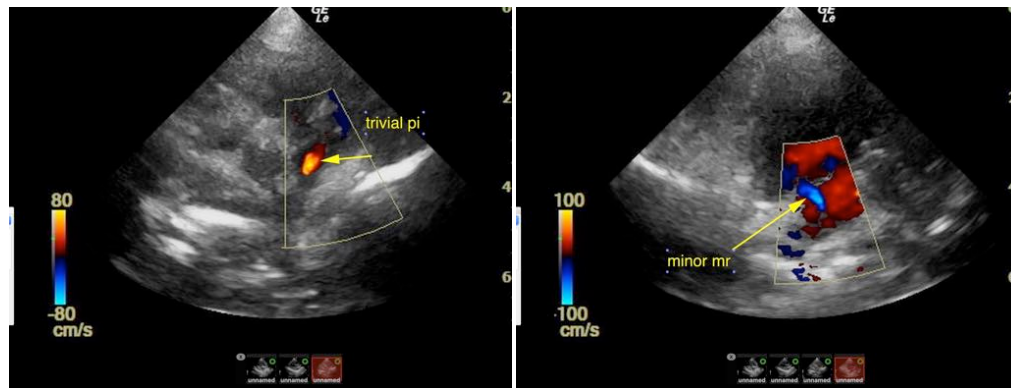
Dr. Hamill

INVOICE

95205

DATE

1/12/22



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