

PATIENT PRESENTING CLINICAL SIGNS

Honey Tellez History: Grade 2/6 systolic murmur over mitral valve. Chest rads revealed possible LA enlargement. ECG NSFs. Current meds: Denamarin for chronically elevated liver values (stable).
SPECIES Abnormal PE/Chem/CBC/UA Results: 3/23/22: AST 110, ALT 223, Ca 8.3, magnesium 2.6, sodium 138. PLTs 451.

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

BREED

Shih Tzu

SEX

Spayed Female

AGE

12 ½ years

WEIGHT

12 lbs

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. Moderate **tricuspid** insufficiency was noted at 2.5 m/sec. 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). 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.

INTERPRETED BY

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com

IMAGING PERFORMED BY

Kelly Vazquez, CVT

HOSPITAL NAME

Midland Park VH

REFERRING VET

Dr. Shokoff

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		2.5	1.0	1.0	31	62	0.1
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT (kg)	LA (cm) 2D short axis Base view	LVIDd (cm) Avg; 2D and m-mode short axis	LVIDs (cm) Avg; 2D and m-mode short axis
NORMAL PARAMETER	50-100	0.7-1.7	0.7-1.6				
PATIENT	124	1.0	0.92	12 lbs	2.2	1.87	

INVOICE

30416

DATE

5/13/22



PATIENT **ULTRASONOGRAPHIC FINDINGS**

Honey Tellez Moderate tricuspid, yet clinically insignificant.
Mild mitral insufficiency.

SPECIES Stage B1 valvular disease, compensated.

Canine

BREED

Shih Tzu

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There is no contraindication to anesthetic procedure.

SEX

Spayed Female

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.

AGE

12 ½ years

WEIGHT

12 lbs

INTERPRETED BY

Eric Lindquist, DMV,
DABVP, Cert. IVUSS,
CEO of SonoPath.com

IMAGING PERFORMED BY

Kelly Vazquez, CVT

HOSPITAL NAME

Midland Park VH

REFERRING VET

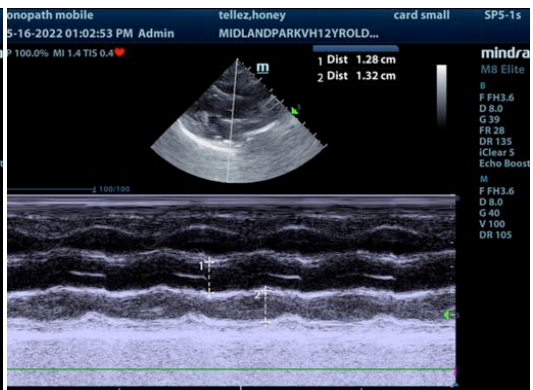
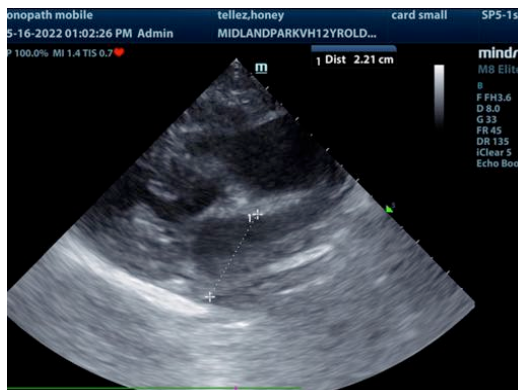
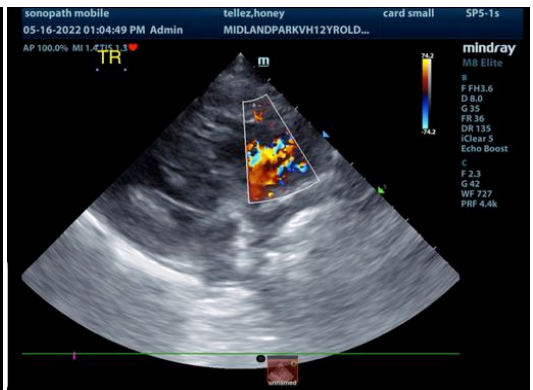
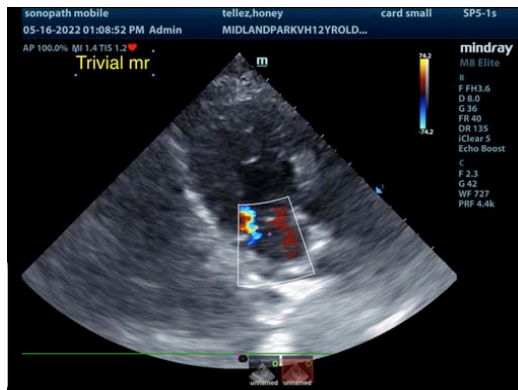
Dr. Shokoff

INVOICE

30416

DATE

5/13/22





PATIENT

Honey Tellez

SPECIES

Canine

BREED

Shih Tzu

SEX

Spayed Female

AGE

12 ½ years

WEIGHT

12 lbs

INTERPRETED BY

Eric Lindquist, DMV,
DABVP, Cert. IVUSS,
CEO of SonoPath.com

**IMAGING
PERFORMED BY**

Kelly Vazquez, CVT

HOSPITAL NAME

Midland Park VH

REFERRING VET

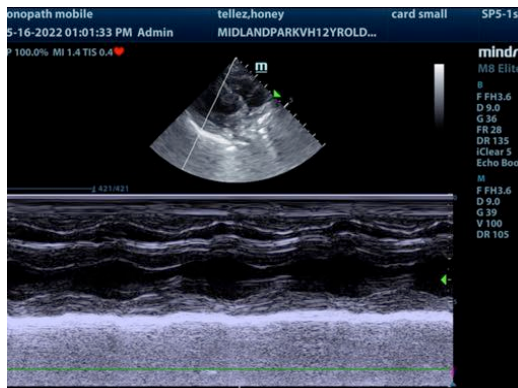
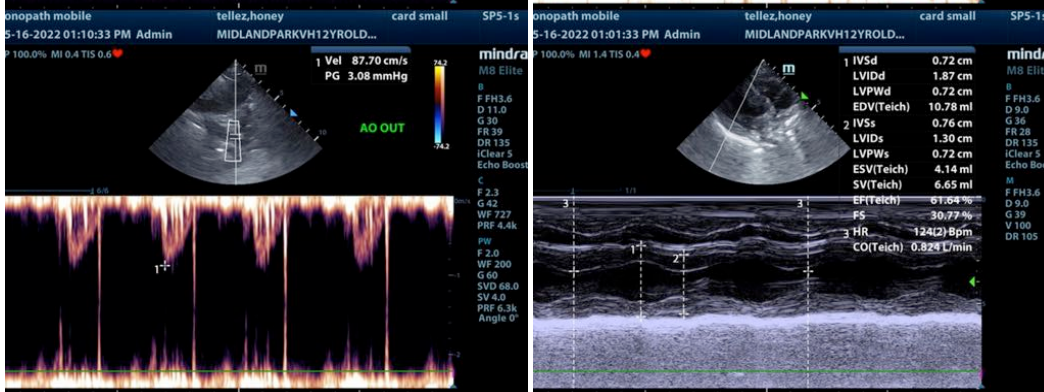
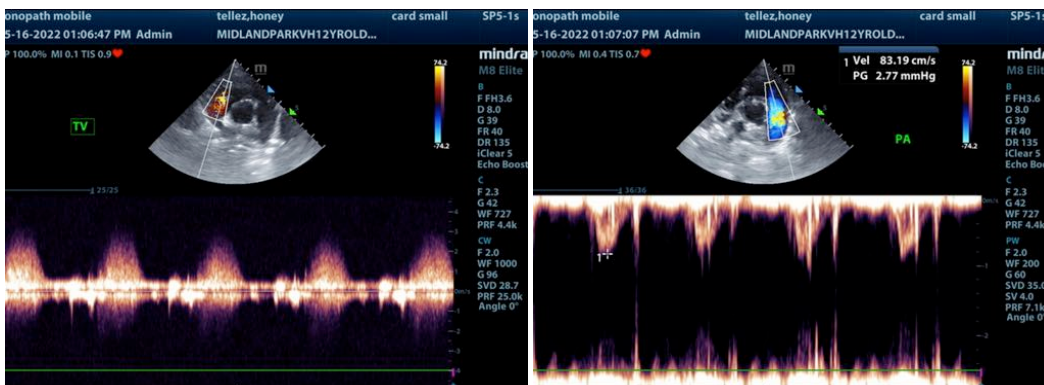
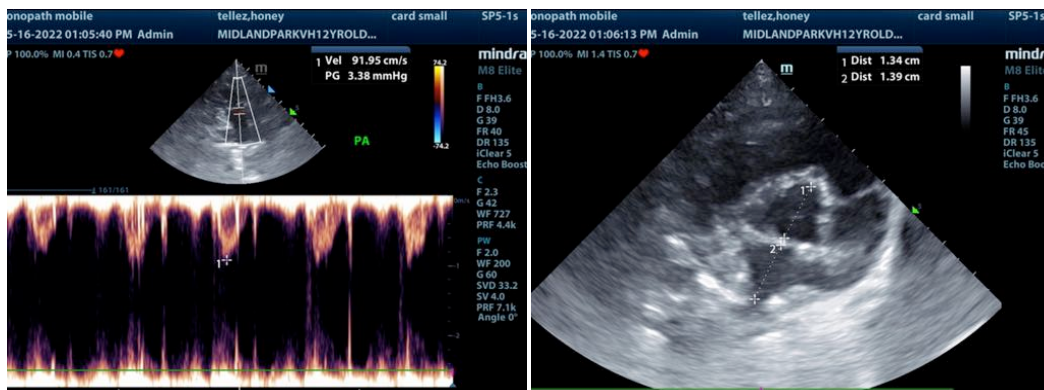
Dr. Shokoff

INVOICE

30416

DATE

5/13/22





PATIENT

Honey Tellez

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.

SPECIES

Canine

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

BREED

Shih Tzu

SEX

Spayed Female

AGE

12 ½ years

WEIGHT

12 lbs

INTERPRETED BY

**Eric Lindquist, DMV,
DABVP, Cert. IVUSS,
CEO of SonoPath.com**

**IMAGING
PERFORMED BY**

Kelly Vazquez, CVT

HOSPITAL NAME

Midland Park VH

REFERRING VET

Dr. Shokoff

INVOICE

30416

DATE

5/13/22