

PATIENT PRESENTING CLINICAL SIGNS

Mayan Friesen

Patient not doing well listless anorexic with 2/6 murmur present since a puppy. No clinical signs of heart disease not on any cardiac meds. Patient also has 4 -6 cm diameter fluctuant lump on right shoulder. Chest x rays attached sternal lymph node enlarged and an additional radiolucent area seen over top of in the area of the aorta.

SPECIES

Canine

BREED

Havanese

SEX

Spayed Female

AGE

6 years

WEIGHT

5.1 kg

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate methods of LA evaluation. The **mitral** valve was mildly thickened and is likely the source of the murmur, yet cannot be completely confirmed. 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. **Tricuspid** valvular assessment demonstrated adequate linear morphology and kinesis. 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. A cranial mediastinal lymphadenopathy was noted in this patient and measured approximately 0.8 cm. Prescapular lymph node was enlarged, hypoechoic and measured 2.5 x 2.0 cm.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Belan

HOSPITAL NAME

Healing Traditions AH

REFERRING VET

Dr. Balc

INVOICE

95206

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 | 1.43 | 51 | 84 | NM |
| 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 | 141 | | 0.75 | | 1.6 | 2.06 | |



PATIENT

Mayan Friesen

SPECIES

Canine

BREED

Havanese

SEX

Spayed Female

AGE

6 years

WEIGHT

5.1 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Belan

HOSPITAL NAME

Healing Traditions AH

REFERRING VET

Dr. Balc

INVOICE

95206

DATE

1/12/22

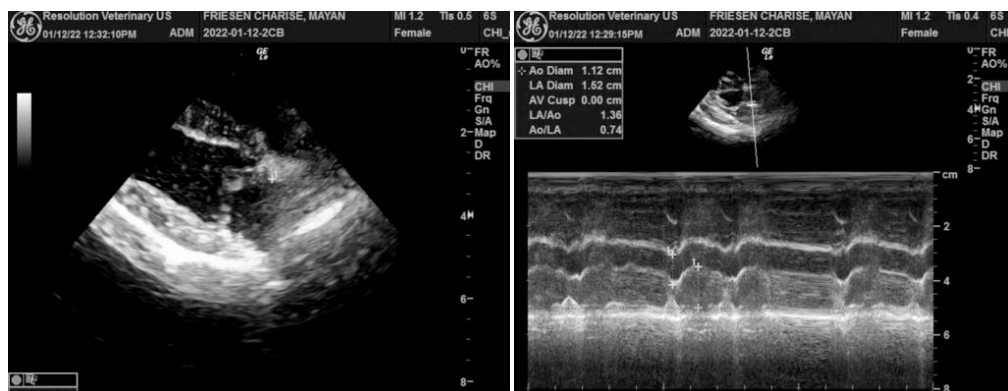
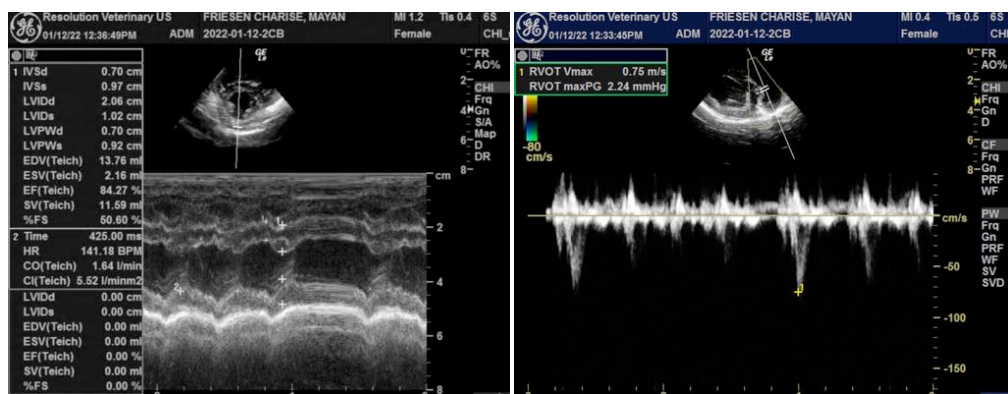
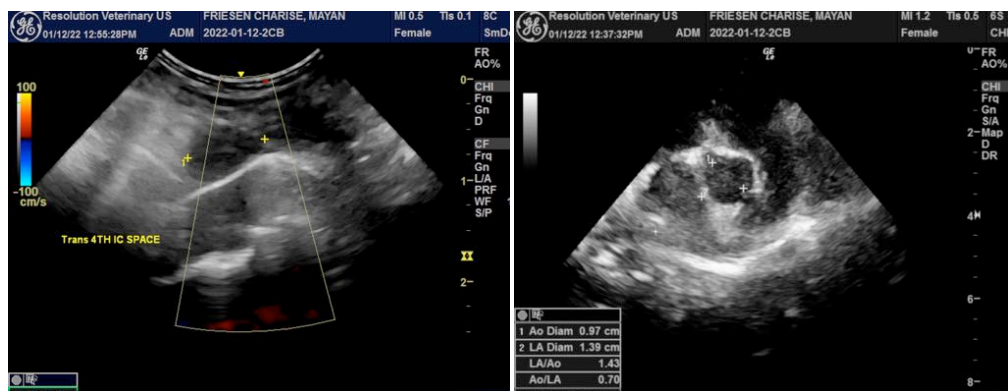
ULTRASONOGRAPHIC FINDINGS

Cranial mediastinal lymphadenopathy.

Trivial heart murmur, likely flow murmur.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The heart is not a clinical issue in this patient. FNA of the prescapular lymph node is recommended. Lymphoma is a strong potential versus multi-focal lymphadenitis. The prognosis is guarded.





PATIENT

Mayan Friesen

SPECIES

Canine

BREED

Havanese

SEX

Spayed Female

AGE

6 years

WEIGHT

5.1 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Dr. Belan

HOSPITAL NAME

Healing Traditions AH

REFERRING VET

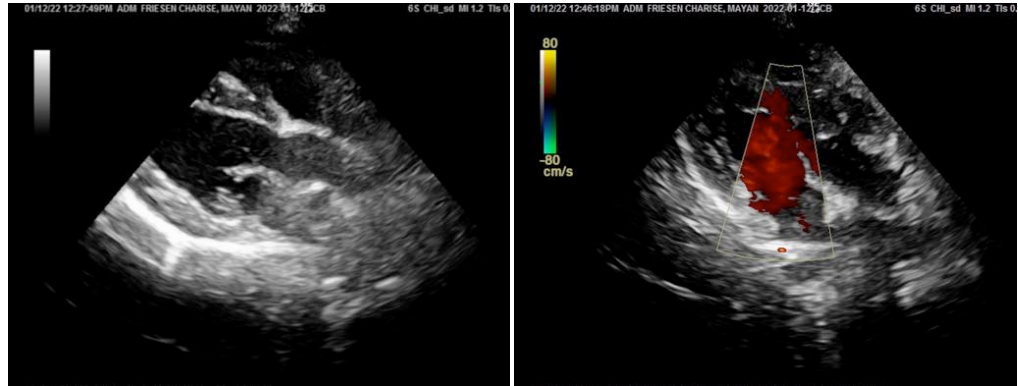
Dr. Balc

INVOICE

95206

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