



DATE PRESENTING CLINICAL SIGNS

5/1/26

History: Grade 5 murmur, bradycardic.
Pertinent abnormal PE/Chem/CBC/UA Results: Labwork attached, reported as ALP 692, T4 0.7.
Current medications: Lasix 10 mg BID, Vetradent water additive, proin 25 mg BID

PATIENT

Hannah Makowiecki

Blood Pressure: 130, 120 and 120mmHg
Sedation used: Not required to complete full diagnostic ultrasound.
Pertinent previous ultrasound results: 2022 & 2023. See attached.
STAT: Not requested.

SPECIES

Canine

Imaging performed by: Stephanie Warga RDCS, RVT.

BREED

Poodle Mix

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

SEX

Spayed female

The left atrium is normal in dimension. The left ventricle is normal in dimension, with normal systolic function. The right atrium and ventricle are normal in dimension, with normal systolic function. The anterior and posterior mitral valve leaflets are appropriately thin with adequate apposition, intact chordae, and there is no significant prolapse. There is no significant mitral regurgitation identified. The tricuspid valve leaflets are appropriately thin with adequate apposition, intact chordae, no significant tricuspid regurgitation and no evidence of pulmonary hypertension. The left ventricular outflow tract demonstrated normal laminar flow and the visible aorta is unremarkable. The right ventricular outflow tract assessment revealed normal laminar flow, with appropriate main pulmonary artery diameter and right pulmonary artery distensibility. There is no pulmonic and no aortic valve insufficiency identified. There is no visible pericardial, pleural, or free peritoneal fluid documented. No evidence of hepatic venous congestion is noted. The cardiac chambers, pericardial and visible extra-cardiac regions were free of masses, spontaneous echo contrast, or thrombi.

AGE

2/15/13

WEIGHT

30 lbs

INTERPRETED BY

Bradley Harris, DVM, DACVECC, DACVIM (cardiology)

| CANINE CARDIAC PARAMETERS | Body Weight kg | HR BPM | LAD 4 ch Long | RAD 4 ch Long | La/Ao Heart Base | LVIDd | LVIDs |
|---------------------------|----------------|--------|----------------|------------------|------------------|---------|----------------------------------|
| NORMAL PARAMETER | | 50-100 | | | <1.6 | | |
| PATIENT | 13.64 kg | NM | 3.39 | 1.57 | 1.34 | 2.65 | 1.71 |
| CANINE CARDIAC PARAMETERS | FS | EPSS | PV V MAX (m/s) | AV V Max (m/sec) | MR Vmax | TR Vmax | RPA distensibility (normal >30%) |
| NORMAL PARAMETER | 28-40 | <0.6 | 0.7-1.6 | 0.7-1.7 | 4.5-5.5 | < 2.7 | |
| PATIENT | 35 | 0.4 | 1.8 | 1.3 | 6.2 | NM | 41 |

HOSPITAL NAME

Chadwell AH

REFERRING VET

Dr. Gold

INVOICE

75090

ULTRASONOGRAPHIC FINDINGS

These findings are consistent are inconsistent with the previous results. Today's study identifies degenerative/myxomatous mitral valve disease with minimal to mild hemodynamic effects consistent with ACVIM Stage B1 disease. It is possible that the concurrent administration of diuretics is reducing chamber dimensions from previous values, which suggests that an underlying congestive heart failure is less likely, as cases of CHF rarely see a decrease in chamber dimensions with the use of diuretics.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Given these findings, no cardiac therapy is recommended. There are no cardiac contraindications to anesthesia, fluid therapy, vasopressor therapy, or corticosteroids as indicated for further assessment and treatment. If not already performed, baseline thoracic radiographs and blood pressure are recommended. If diuretics are discontinued, they should be weaned with careful monitoring of clinical signs for possible recurrence. A repeat echocardiogram should be repeated in 1-2 months. If they are maintained, a repeat echocardiogram is indicated in 6 months.

Anesthesia considerations:

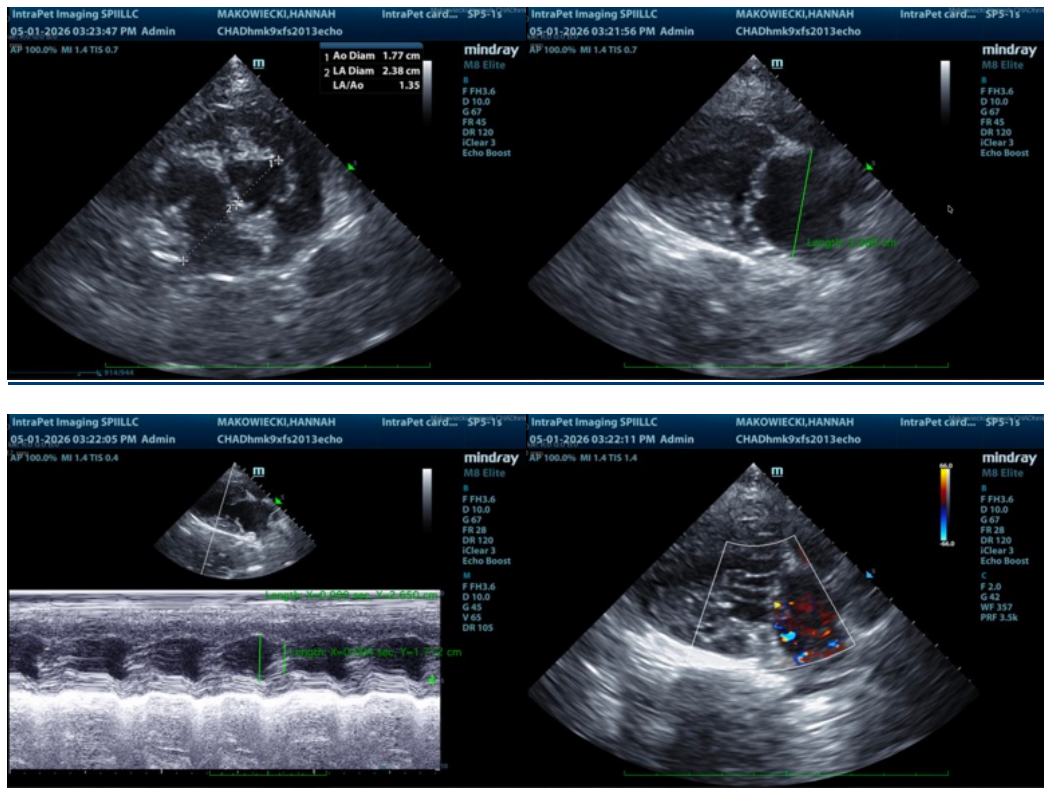
If anesthesia is necessary, alpha-2 agonists, ketamine, high dose acepromazine, and Telazol should be avoided. Fluid therapy during anesthesia should be considered at a conservative rate (e.g., 5 ml/kg/hour) if possible.

Diet:

A high-quality food from Hills, Royal Canin, Science Diet, Eukanuba, Iams, or Purina that is highly palatable with adequate protein and calories for maintaining optimal body condition is reasonable.

Activity:

No special considerations are necessary.



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.

Bradley Harris, DVM, DACVECC, DACVIM (cardiology)
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