



## PATIENT

Lotus Griffith

## SPECIES

Canine

## BREED

American Pitbull  
Terrier

## SEX

Spayed female

## AGE

10 ½ years

## WEIGHT

28.1 kg

## INTERPRETED BY

Bradley Harris, DVM,  
DACVECC, DACVIM  
(cardiology)

## IMAGING PERFORMED BY

Renee Trionfetti, VMD

## HOSPITAL NAME

Brandywine Valley VH

## REFERRING VET

Dr. Mooney

## INVOICE

77832

## DATE

5/21/26

## PRESENTING CLINICAL SIGNS

History: Echo to further evaluate a new heart murmur grade II/VI left apical pmi, no arrhythmia, FP s/s.

Meds: Zyrtec QD, Benadryl PRN

Echo sedation: Gabapentin/Trazodone

Blood Pressure: 192, 192, 197 mmHg; 167, 169, 168 mmHg. Outliers 200, 179 mmHg - CBC: Hct 43.3%, Plts 267-n, remainder NSF - Chem: ALP 396 H, remainder NSF - 4Dx: Anaplasma +, neg HW, Ehrlichia, Lyme

## ULTRASONOGRAPHIC EXAMINATION OF THE HEART

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 thickened and redundant consistent with myxomatous changes, and there is minimal prolapse. There is mild mitral regurgitation identified. The tricuspid valve leaflets are minimally thickened, with trivial tricuspid regurgitation and evidence of borderline 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.

| 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                   | 28.1           | 120    | 4.18           | NM               | 1.17             | 4.34    | 2.7                              |
| 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                   | 38             | 0.5    | 0.8            | 1.5              | 5.0              | 3.0     | NM                               |

## ULTRASONOGRAPHIC FINDINGS

These findings are consistent with degenerative/myxomatous mitral valve disease with minimal to mild hemodynamic effects consistent with ACVIM Stage B1 disease. It is unlikely that any current morbidity is of cardiac origin.

## 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



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and treatment. If not already performed, baseline thoracic radiographs and blood pressure are recommended. A recheck echocardiogram is recommended in 6 months.

### Anesthesia considerations:

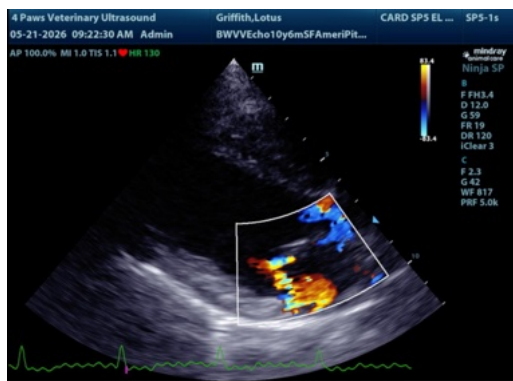
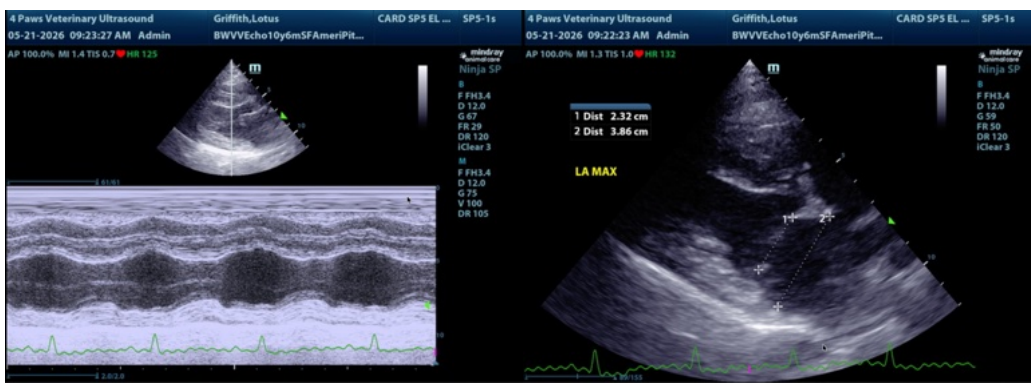
If anesthesia is necessary, alpha-2 agonists, ketamine, high dose acepromazine, and Telazol should be avoided. Fluid therapy during anesthesia should be considered at a conservative rate (e.g., 5 ml/kg/hour) if possible.

### 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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