



**PATIENT**

Beans Tsamoutalidis

**SPECIES**

Canine

**BREED**

French Bulldog

**SEX**

Neutered Male

**AGE**

5 Years 1 Month

**WEIGHT**

40 lbs

**INTERPRETED BY**

Eric Lindquist, DMV,  
DABVP(CFM), Cert.  
IVUSS

**IMAGING PERFORMED BY**

Chloe Lowe CVT

**HOSPITAL NAME**

William Penn  
Veterinary Hospital

**REFERRING VET**

Dr. Bouzaout

**INVOICE**

15915

**DATE**

05/07/26

**PRESENTING CLINICAL SIGNS**

Pre-surgical EKG 1st degree AV block increased vagal tone. Radiographs fluid in chest.

Abnormal PE/Chem/CBC/UA Results: WNL

**ULTRASONOGRAPHIC EXAMINATION OF THE HEART**

| CANINE CARDIAC PARAMETERS | MR VMAX (m/s) | TR VMAX (m/s) | LA/AO (M-Mode) | LA/AO (Heart Base; Swe) | FS (%)               | EF (%)                                   | EPSS (cm)                                |
|---------------------------|---------------|---------------|----------------|-------------------------|----------------------|--|--|
| NORMAL PARAMETER          | 4.5-5.5       | <2.7          | 1.3            | Up to 1.6               | 28-40                | 40-100                                   | <0.6                                     |
| PATIENT                   | 5.5           | --            | 1.3            | 1.5                     | 27                   | 54                                       | 0.3                                      |
| CANINE CARDIAC PARAMETERS | HR (BPM)      | AV VMAX (m/s) | PV MAX (m/s)   | BODY WEIGHT (lbs)       | LAD LA MAX 4 Chamber | LVIDd Avg; 2D and m-mode short axis (cm) | LVIDs Avg; 2D and m-mode short axis (cm) |
| NORMAL PARAMETER          | 50-100        | 0.7-1.7       | 0.7-1.6        |                         |                      |  |  |
| PATIENT                   | 151           | 1.3           | 1.2            | 40                      | 3.3                  | 3.32                                     | --                                       |

E-wave Velocity: 0.9

**Cardiac Presentation**

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 mitral and tricuspid insufficiency. The **left ventricle** presented normal 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 right ventricle were slightly enlarged in this patient yet given the breed, this is likely a conformational issue. **Tricuspid** valvular assessment demonstrated adequate linear morphology. **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. Arrhythmogenic activity appeared to be present. The hepatic veins were not dilated. A mild amount of excessive thoracic was visualized.

**ULTRASONOGRAPHIC FINDINGS**

- Stage B1 valvular disease.
- Mitral and tricuspid insufficiency.



**PATIENT**

Beans Tsamoutalidis

**SPECIES**

Canine

**BREED**

French Bulldog

**SEX**

Neutered Male

**AGE**

5 Years 1 Month

**WEIGHT**

40 lbs

**INTERPRETED BY**

Eric Lindquist, DMV,  
 DABVP(CFM), Cert.  
 IUUSS

**IMAGING PERFORMED BY**

Chloe Lowe CVT

**HOSPITAL NAME**

William Penn  
 Veterinary Hospital

**REFERRING VET**

Dr. Bouzaout

**INVOICE**

15915

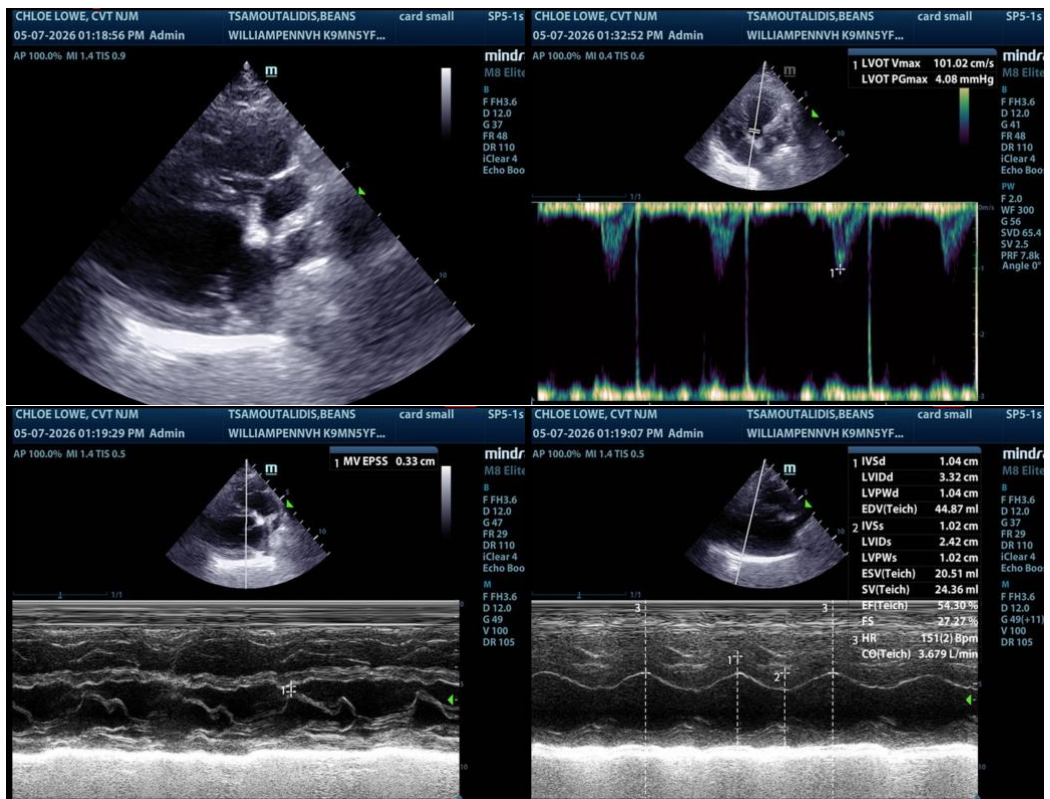
**DATE**

05/07/26

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

There's no significant volume overload in this patient at this time. If fluid is present in the chest it was not visible. The prominent right heart is likely a conformational issue given the breed or secondary to tricuspid insufficiency, however, the valvular insufficiency was fairly mild. Recommend reassessment of the radiographs for pleural effusion versus fat. Any medical management should be based on EKG results. Blood pressure measurements are indicated.

The heart is stable without clinical disease. No overt contraindication for anesthesia of brief to moderate duration. I suggest Torbutrol premed, Propofol induction, Isoflor maintenance or similar protocol if anesthesia is desired. Blood pressure, EKG and chest radiographs are recommended if not already performed. 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 6-12 months, earlier if murmur grade increases or clinical signs initiate.





**PATIENT**

Beans Tsamoutalidis

**SPECIES**

Canine

**BREED**

French Bulldog

**SEX**

Neutered Male

**AGE**

5 Years 1 Month

**WEIGHT**

40 lbs

**INTERPRETED BY**

Eric Lindquist, DMV,  
 DABVP(CFM), Cert.  
 IVUSS

**IMAGING PERFORMED BY**

Chloe Lowe CVT

**HOSPITAL NAME**

William Penn  
 Veterinary Hospital

**REFERRING VET**

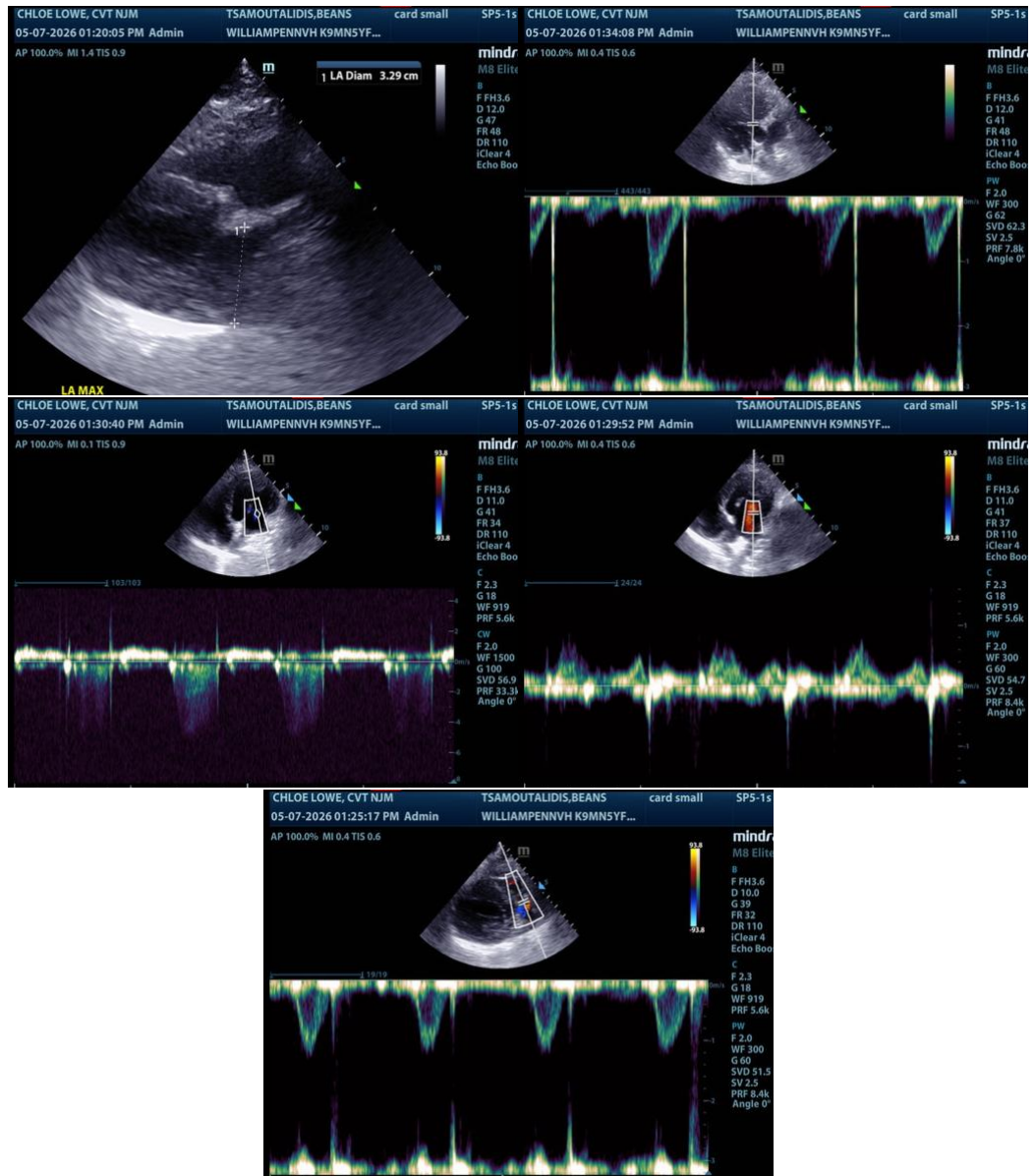
Dr. Bouzaout

**INVOICE**

15915

**DATE**

05/07/26



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.

Eric Lindquist, DMV, DABVP(CFM), Cert. IVUSS,

CEO, Owner, Founder -- SonoPath.com

[info@SonoPath.com](mailto:info@SonoPath.com)



**PATIENT**

Beans Tsamoutalidis

**SPECIES**

Canine

**BREED**

French Bulldog

**SEX**

Neutered Male

**AGE**

5 Years 1 Month

**WEIGHT**

40 lbs

**INTERPRETED BY**

Eric Lindquist, DMV,  
DABVP(CFM), Cert.  
IVUSS

**IMAGING  
PERFORMED BY**

Chloe Lowe CVT

**HOSPITAL NAME**

William Penn  
Veterinary Hospital

**REFERRING VET**

Dr. Bouzaout

**INVOICE**

15915

**DATE**

05/07/26