


**RESENTING CLINICAL SIGNS**

**DATE** History: Presented to ER yesterday after experiencing two collapsing episodes. FAST scan showed mild pericardial effusion.

5/1/23

**ECHOCARDIOGRAPHIC FINDINGS**

2D, M-mode, and Doppler study.

**PERFORMED BY:**

Catherine Alexander

Left atrial size is normal. The mitral valve appears normal. Left ventricular dimensions are normal. Left ventricular systolic function is normal. The aorta and aortic valve are normal. Right atrial and right ventricular dimensions are normal. The tricuspid valve appears normal. The pulmonary artery and pulmonic valve are normal. No shunting lesions are visualized. No pericardial effusion or cardiac masses are seen.

**INTERPRETED BY**

Keith Blass, DVM,  
MS, DACVIM  
(Cardiology)

ECG during echo: Sinus arrhythmia with a single APC

**PATIENT**

Bentley Harban

LA - 42.4 mm  
LVIDd - 39.2 mm  
LVIDs - 26.7 mm  
FS - 31.9%  
RA - 32.0 mm  
LVOT - 0.93 m/s  
RVOT - 0.84 m/s

**SPECIES**

Canine

**ASSESSMENT/RECOMMENDATIONS**

Normal echocardiogram  
Atrial premature complex (APC)

**BREED**

Pitbull Mix

This examination demonstrates no evidence of structural heart disease, and the previously noted mild pericardial effusion is no longer present. As such, no reason for Bentley's collapsing episodes is appreciated in the image set.

**SEX**
**MN**

Bentley's ECG demonstrates the presence of a single APC. Mild atrial arrhythmias are well-tolerated in dogs and would not result in collapse, however, it's possible that Bentley could be experiencing a more severe arrhythmia intermittently. In addition to an arrhythmia, consideration should be given to vasovagal episodes and non-cardiac conditions (ex. orthopedic, neurologic disease) as possible causes of his collapsing episodes.

**AGE**

10 y

A Holter and/or event monitor can be considered to more comprehensively evaluate for the presence of a more significant arrhythmia and/or evidence of a vasovagal reflex.

No therapy is recommended based on this exam.

**WEIGHT**

32 kg

A recheck ECG is recommended in 3 months if a Holter/event monitor is not pursued. A recheck echocardiogram is recommended if new physical exam and/or clinical abnormalities suggestive of the presence of structural heart disease develop.

**HOSPITAL NAME**

NorthStar Veterinary  
Sonography

**REFERRING VET**

Dr. Lovell



DATE

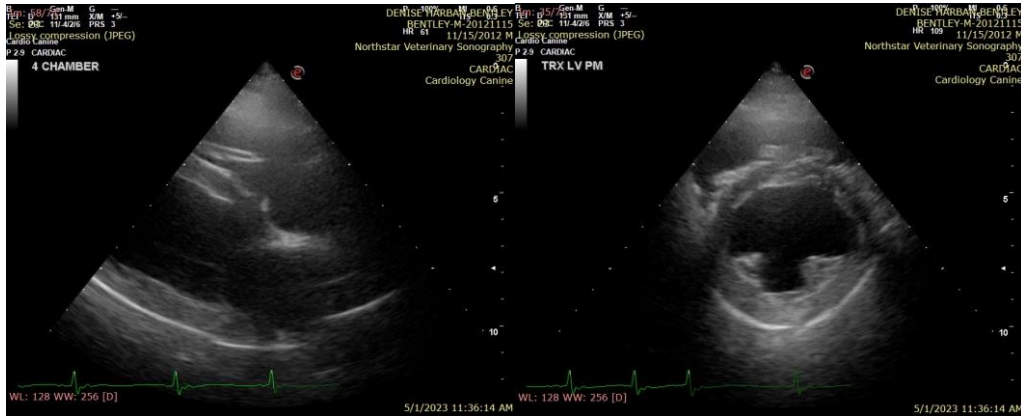
5/1/23

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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.

PATIENT

Bentley Harban

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.

SPECIES

Keith Blass, DVM, MS, DACVIM (Cardiology)  
KeithBlass@gmail.com  
631-804-5754

Canine

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SEX

MN

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