


**PRESENTING CLINICAL SIGNS**

**DATE** History: Arrhythmia noted during pre-anesthetic exam prior to CT (evaluate lameness). Echo on 1/28/22 showed mild DMVD (stage B1).

1/30/22

**HOLTER MONITOR FINDINGS**

**PERFORMED BY:** Recording time: 23 hours, 59 minutes  
 Mean heart rate: 126 bpm  
 Maximum heart rate: 322 bpm  
 Minimum heart rate: 55 bpm

**INTERPRETED BY**

Keith Blass, DVM,  
 MS, DACVIM  
 (Cardiology)

Rhythm: Normal sinus rhythm with frequent supraventricular ectopy, rare ventricular ectopy, and rare second-degree AV block (due to refractoriness following a run of SVT)

**PATIENT**

Nash Clegg

Ventricular ectopy:  
 Total: 16 beats  
 VPCs: 16  
 Couplets: 0  
 Total runs: 0  
 Escape beats: 0

**SPECIES**

Canine

Supraventricular ectopy:  
 Total: 67262  
 APCS: 2214  
 Couplets: 1313  
 Total runs: 5032 (longest 80 beats at 240 bpm; fastest 10 beats and 322 bpm)

**BREED**

Bull Mastiff

The summary above is an accurate representation of the Holter recording. The average heart rate is elevated for a dog this age in the home environment. The underlying rhythm is normal sinus rhythm, and there are frequent paroxysms of supraventricular tachycardia, as well as individual APCS and atrial couplets. Occasionally, the paroxysms end with a blocked P wave owing to continued refractoriness following the tachycardia. Very rare ventricular ectopy is present.

**SEX**

MN

**ASSESSMENT/RECOMMENDATIONS**
**AGE**

10 y

Nash's Holter monitor demonstrates the presence of paroxysmal supraventricular tachycardia (SVT). Given the absence of relevant structural heart disease in Nash's echocardiogram, it's possible that his SVT could be due to primary cardiac conduction system disease, though a non-cardiac cause, such as intra-abdominal disease, inflammatory infectious disease, neoplasia, drug/toxin exposure, and severe electrolyte abnormalities, should be considered as well. As Nash's HR occasional goes above 300 bpm during the paroxysms, he is at risk for the development of exercise intolerance and/or syncope.

**WEIGHT**

95 lb

Recommended therapy for Nash's arrhythmia is diltiazem (45 mg TID).

**HOSPITAL NAME**

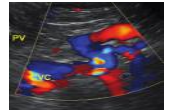
Blairstown AH

A recheck Holter monitor is recommended two weeks after therapy is started. Anesthesia should be delayed, if possible, until Nash's arrhythmia is better controlled.

**REFERRING VET**

Dr. Clegg

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.

**DATE**

1/30/22

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.

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

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MS, DACVIM  
(Cardiology)

**PATIENT**

Nash Clegg

**SPECIES**

Canine

**BREED**

Bull Mastiff

**SEX**

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10 y

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