


**PRESENTING CLINICAL SIGNS**

History: Hypertension, episodes of respiratory distress.

**DATE**

7/26/22

**HOLTER MONITOR FINDINGS**

Recording time: 23 hours, 55 minutes

Mean heart rate: 66 bpm

Maximum heart rate: 225 bpm

Minimum heart rate: 31 bpm

**PERFORMED BY:**

Ashley

**INTERPRETED BY**

Rhythm: Normal sinus rhythm with rare ventricular ectopy, very rare supraventricular ectopy, and very rare ventricular escape beats

 Keith Blass, DVM,  
 MS, DACVIM  
 (Cardiology)

Ventricular ectopy:

Total: 178 beats

VPCs: 157

Couplets: 2

Total runs: 2 five beat runs of AIVR

Escape beats: 0

**PATIENT**

Hazel Byers

Supraventricular ectopy:

Total: 16

APCS: 12

Couplets: 1

Total runs: 1 (4 beats)

**SPECIES**

Canine

**BREED**

Greyhound

The summary above is an accurate representation of the Holter recording. The average heart rate is normal for a dog in the home environment. The underlying rhythm is normal sinus rhythm. There are rare VPCs present, as well as very rare ventricular escape beats and two short runs of an accelerated idioventricular rhythm (AIVR). Rare atrial ectopy, including one 4 beat run of supraventricular tachycardia.

**SEX**
**ASSESSMENT/RECOMMENDATIONS**
**FS**

Hazel's Holter monitor demonstrates a few minor abnormalities, none of which could explain her episodes of respiratory distress. She has rare VPCs present, which could potentially be within the limits of normal daily variation, though a pathologic cause, such as cardiac dysfunction,

**AGE**

11 y

splenic/hepatic disease, inflammatory/infectious disease, and metabolic/electrolyte abnormalities should be considered as well. Also seen are a few short AIVR runs, which occur when a subsidiary pacemaker discharges at a faster rate than the sinus node and captures control of the heart rhythm. Hazel's episodes of AIVR occurred when her sinus rate slowed, and it's not uncommon to see an AIVR develop in this situation. The heart rate during AIVR is normal, therefore, it does not present any relevant hemodynamic impairment. Finally, as 4 beat run of supraventricular tachycardia was present, with differentials for the run being similar to the possible causes of Hazel's VPCs.

**WEIGHT**

64 lb

**HOSPITAL NAME**

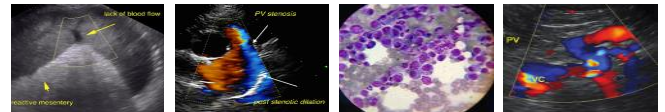
Rockaway AH

A chemistry profile, echocardiogram, and/or abdominal ultrasound can be considered for possible causes of Hazel's mild arrhythmias. Thoracic radiographs may be warranted to further evaluate Hazel's episodes of labored breathing.

No therapy is recommended based on Hazel's Holter monitor.

**REFERRING VET**

Dr. Maniar



A recheck Holter monitor is recommended in 6 months, sooner if new clinical signs compatible with an arrhythmia (ex. exercise intolerance, collapse) develop.

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**PERFORMED BY:**

Ashley

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.

**INTERPRETED BY**

Keith Blass, DVM,  
MS, DACVIM  
(Cardiology)

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.

**Keith Blass, DVM, MS, DACVIM (Cardiology)**  
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631-804-5754

**PATIENT**

Hazel Byers

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Dr. Maniar