



PATIENT

Walden Ben-Extra

PRESENTING CLINICAL SIGNS

History: Arrhythmia on fall physical examination. Collapsed in March 2022.
Current medications: None

SPECIES

Canine

BREED

Collie Mix

SEX

Male Neutered

AGE

12years

WEIGHT

43 lbs

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

IMAGING PERFORMED BY

HOLTER MONITOR FINDINGS AND RHYTHM ASSESSMENT

Time analyzed	23:24h
Mean heart rate	82bpm
Maximum heart rate	216bpm
Minimum heart rate	40bpm
VPCs	301 escapes; 297 singles, 2 pairs
APCs	0

Interpretation: Underlying normal sinus rhythm with appropriate rate variation. During presumably periods of sleep, sinus bradycardia ensues with brief periods of sinus arrest; a ventricular escape focus fires during the periods of bradycardia. Max heart rate is presumably with activity, suggesting the ability of the sinus node to increase appropriately. No VPCs noted throughout the study.

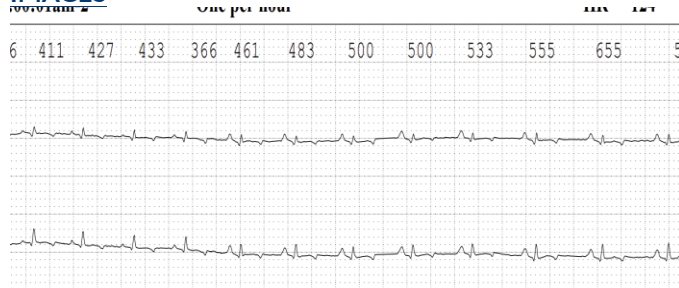
Rhythm diagnosis: Sinus rhythm with appropriate rate variation; suspect high vagal tone. Ventricular escape beats appear appropriate.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The findings on this holter are largely normal. While the overall resting heart rate appears relatively slow, periods of activity do result in an appropriate increase. This would suggest normal high vagal tone is the cause rather than sinus node dysfunction. The ventricular beats seen throughout are escape foci, which is an appropriate response to bradycardia. NO premature beats are identified.

No treatment is indicated at this time. Ensure the resting heart rate continues to be normal for a stressed patient in hospital in the future (ie progressive bradycardia is not at play). If any question, an atropine challenge can be performed to confirm high vagal tone. Consider causes of high vagal tone, including neurologic disease in light of the collapse episode. If the patient has any clinical signs such as lethargy or syncope in the future, immediate reevaluation is advised.

IMAGES



NSR with activity

HOSPITAL NAME

Rockaway AH

REFERRING VET

Dr. Gannon

INVOICE

23650

DATE

4/13/22



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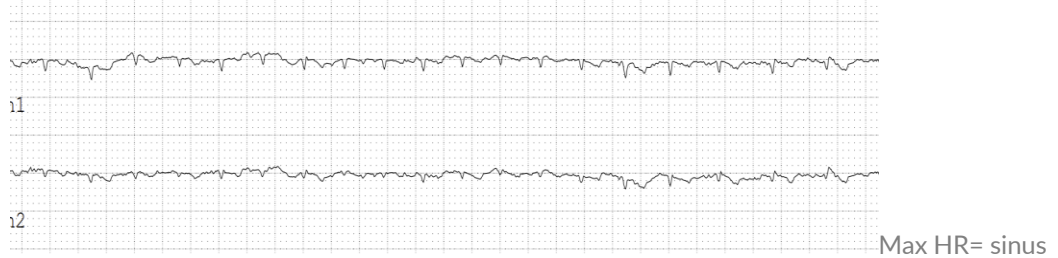
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Gain 0.5 CM/MV ECG 25 mm/SEC (A4L)
10:07:37am-1 Max. heart rate HR = 216
322 322 311 294 294 294 288 283 277 277 272 283 288 316 316 344 383 383 388 4



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Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

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.

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.

IMAGING PERFORMED BY

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