


PATIENT

Scarlett Kirouac

PRESENTING CLINICAL SIGNS

History: Scarlett is doing well with no cough nor labored breathing noted. She is eating well with normal activity but was having collapse episodes weekly for 3-4 weeks with the last one being approximately one month ago. Scarlett does not have any C/S/V/D/PU/PD noted.

SPECIES

Canine

HOLTER MONITOR FINDINGS AND RHYTHM ASSESSMENT
BREED

Hound Mix

Time analyzed	23:57h
Mean heart rate	61bpm
Maximum heart rate	131bpm
Minimum heart rate	32bpm
VPCs	11; 7 singles and 2 pairs
APCs	0

SEX

FS

AGE

2 years

Interpretation: Underlying normal sinus rhythm with appropriate rate variation. Relatively low resting HR (max 131bpm with excitement). Infrequent single VPCs; monomorphic with 2 couplets (inst HR 188bpm).

WEIGHT

41

Rhythm diagnosis: Sinus rhythm with rare single VPCs and two couplets.

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The monitor documents primarily a normal sinus rhythm. Rare VPCs are noted, which are typically a normal variant in an otherwise healthy animal. While any couplets are somewhat concerning, the coupling interval is reasonable and there are only 2 couplets in 24 hours. There is no clear indication that these are related to the collapse episodes, albeit a possibility. That being said, any animal with VPCs has the risk for sustained arrhythmias such as VT/VF and potential for sudden death. It is also worth noting that the resting heart rate is relatively low; although high vagal tone is suspected. Ensure the heart rate responds adequately to light activity and if there is any question an atropine challenge can be performed.

IMAGING PERFORMED BY

In the absence of markers of malignancy (R on T, triplets, etc), no clear indication for anti-arrhythmic therapy at this time. Recommend close monitoring at home; however, as if persistent episodes are noted this may be revisited. Consider educating the owner on obtaining a heart rate during any future episodes to help determine correlation with rapid arrhythmias (palpation, auscultation, AliveCor monitor). If the episodes persist undiagnosed, a device such as an event monitor should be considered (referral recommended for discussion).

HOSPITAL NAME

Mass Veterinary
Services

Activity restriction is advised. Fish oil supplementation is recommended for dogs with arrhythmias (1000mg of omega 3/6 once to twice daily).

REFERRING VET

Dr. Masloski

Monitor at home for further collapse, exercise intolerance, and/or lethargy. Consider an AliveCor monitor for at home HR/ECG monitoring.

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DATE

5/12/22

A recheck ECG and/or holter monitor is recommended in 6 months, sooner if further episodes of collapse occur.



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IMAGES

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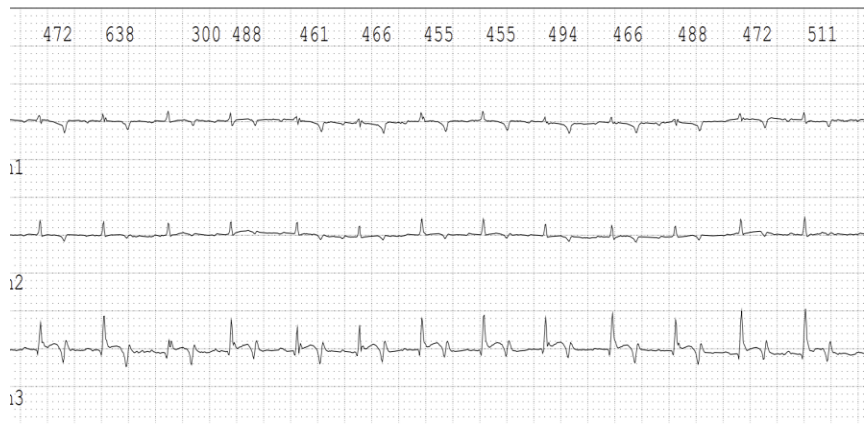
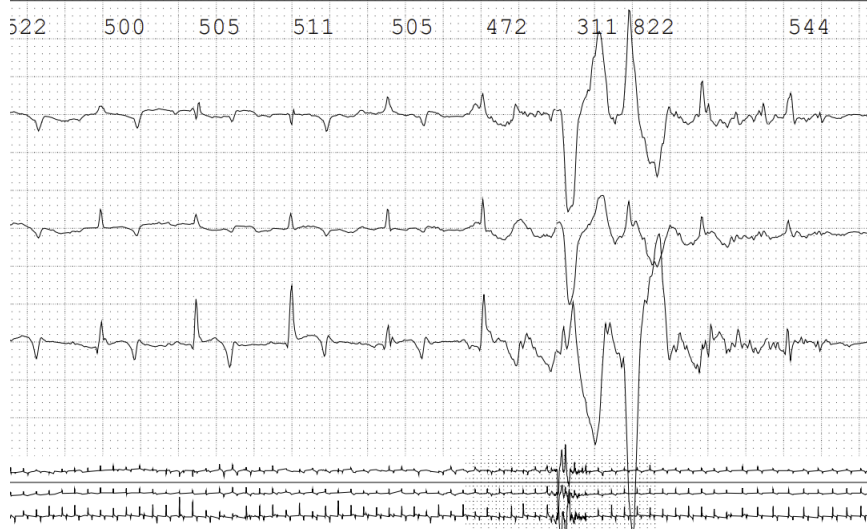
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Maggie Machen Lamy, DVM
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