



PATIENT

Bentley Varzea

PRESENTING CLINICAL SIGNS

History: Acute episode after playing at the park- Head/leg shaking, increased respiratory rate.
Echo and AUS: nsf (EL)

SPECIES

Canine

BREED

Boxer

SEX

Male

AGE

5 years

WEIGHT

91 lbs

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

IMAGING PERFORMED BY

HOSPITAL NAME

Rockaway AH

REFERRING VET

Dr. Maniar

INVOICE

28871

DATE

2/8/23

HOLTER MONITOR FINDINGS AND RHYTHM ASSESSMENT

Time analyzed	23:47h
Mean heart rate	75bpm
Maximum heart rate	192bpm
Minimum heart rate	30bpm
VPCs	15 singles, 2 pairs
APCs	47 singles

Interpretation: Underlying normal sinus rhythm with apparently appropriate rate variation. Max heart rate is sinus in origin and occurs during waking hours. 15 single VPCs appear monomorphic. Two couplets are identified with a tight coupling interval/R on T. Occasional APCs seen throughout. Sinus pauses while sleeping with occasional ventricular escape beats (a normal response).

Rhythm diagnosis: Sinus rhythm with isolated VPCs and APCs. Two single R on T couplets.

RECOMMENDATIONS

The monitor documents primarily a normal sinus rhythm. Rare VPCs are noted, which are typically a normal variant in an otherwise healthy animal (<50-100 in 24 hours is considered normal for this breed). That being said, two concerning couplets are noted. Given low frequency and occurrence during times of low resting HR (ie not clearly noted with exertion), simple monitoring is advised. There is no clear indication that these are related to the episode, albeit a possibility. That being said, any Boxer with VPCs has the risk for sustained arrhythmias such as VT/VF and potential for sudden death. No additional abnormalities are identified.

While treatment is not clearly warranted, recommend close monitoring at home. If persistent episodes are noted, this finding 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).

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

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

A recheck holter monitor is recommended in 4-6 months, sooner if further episodes of collapse occur.



PATIENT

Bentley Varzea

SPECIES

Canine

BREED

Boxer

SEX

Male

AGE

5 years

WEIGHT

91 lbs

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

IMAGING PERFORMED BY

HOSPITAL NAME

Rockaway AH

REFERRING VET

Dr. Maniar

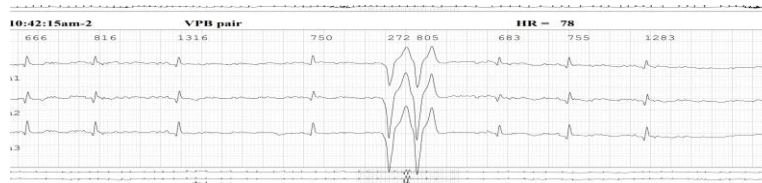
INVOICE

28871

DATE

2/8/23

IMAGES



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
Diplomate of the American College of Veterinary Internal Medicine (Cardiology)
info@sonopath.com