


PATIENT

Groot Paine

PRESENTING CLINICAL SIGNS

History: Cardiomegaly. Echo (EL 2/23) nsf; suspect arrhythmia.

SPECIES

Canine

HOLTER MONITOR FINDINGS AND RHYTHM ASSESSMENT
BREED

Boxer Mix

Time analyzed	23:40h
Mean heart rate	65bpm
Maximum heart rate	207bpm
Minimum heart rate	33bpm
VPCs	7 singles, 3 pairs, 2 slow runs (HR 160bpm)
APCs	0

SEX

Male Neutered

Interpretation: Underlying normal sinus rhythm with presumably appropriate rate variation (no diary provided). Occasional ventricular beats throughout. In general the onset is NOT premature, with slow couplets and brief salvos most consistent with AIVR. Occasional true premature beats noted.

AGE

6 years

Rhythm diagnosis: Sinus rhythm with occasional VPCs. Brief couplets/salvos of AIVR.

WEIGHT

65

RECOMMENDATIONS

Underlying sinus rhythm with occasional ventricular arrhythmias. The majority of the ventricular beats are NOT premature, with AIVR (accelerated idioventricular rhythm). AIVR implies a ventricular rhythm fires; however, the rate is only slightly faster than the sinus rate (in this case 162bpm) and is not hemodynamically significant. No true rapid VT is seen, and only occasional VPCs. No additional issues are identified.

INTERPRETED BY

 Maggie Machen Lamy,
 DVM, DACVIM
 (Cardiology)

What is always concerning in these cases is a Boxer mix is certainly predisposed to malignant ventricular arrhythmias, with the most common age of onset 6-9 years. That being said, what is seen here should not cause clinical signs or predispose to fibrillation. This does not rule out development of malignant arrhythmias in the future, and close monitoring for syncope or acute lethargy is recommended. No treatment is clearly indicated at this time. It is important to note that even in human trials, anti-arrhythmics have not been shown to prevent sudden death in patients with true VT, and high risk will unfortunately persist. Mild activity/stress restriction is advised.

IMAGING PERFORMED BY

Given that this patient is reportedly well, a systemic cause of the arrhythmia should be considered although is unlikely. An AUS, baseline labs, etc can be considered.

HOSPITAL NAME

Rockaway AH

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

Plan: Consider systemic evaluation as discussed. If patient remains asymptomatic, a recheck holter is strongly recommended in 6 months (sooner if any syncope or acute lethargy).

REFERRING VET

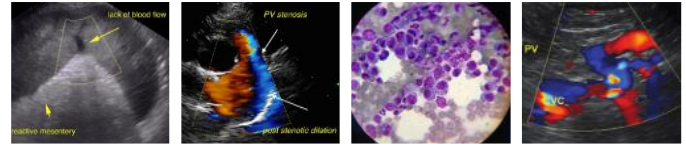
Dr. Gannon

INVOICE

29281

DATE

2/25/23



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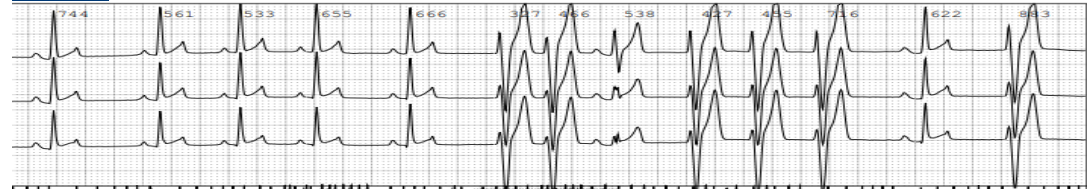
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IMAGES



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
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