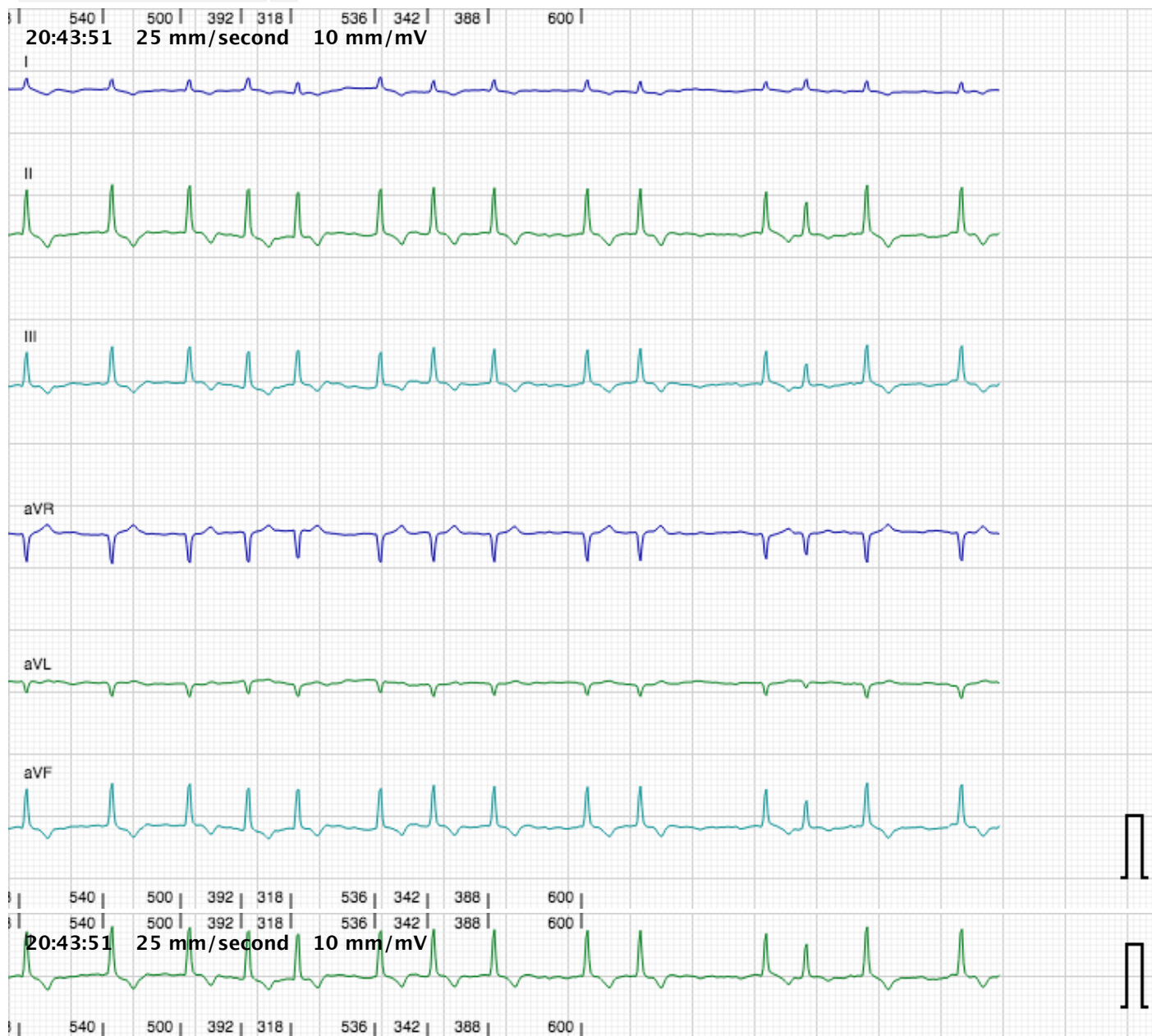


Type: Rest ECG **Date:** 31/12/2018 20:43:36 **Duration:** 00:00:23

Patient name:		Weight:	4.5 kg	Species:	Other
ID:		History	Abdominal breathing sev...	Breed:	Cat
Email:		Medications:		Owner:	
Phone Number:		Code-procedure		Spayed/Neutered	Yes
Sex:	M				
Age:	2				



Report / Conclusion:

A detailed analysis of 6 different leads was performed. Heart rate and rhythm, measurable intervals and amplitudes, and deflection morphology were all examined and revealed the following data:

HR=150/min

P=Not Applicable

PR=Not Applicable

QRS=54 ms

R= 0.17 mv

QT=203 ms

The heart rhythm is irregularly irregular with no P waves.

The mean electrical axis is normal.

Findings: Atrial fibrillation is present.

Conclusions and recommendations: This arrhythmia is rare in cats because of their typically small atria. When present, as in this specific patient, it is suggestive of severe atrial enlargement, which both results from and exacerbates severe, chronic heart disease (which explains the reported chylothorax as a manifestation of severe congestive heart failure). Importantly, both severe atrial enlargement AND the presence of atrial fibrillation in a cat pose two major risk factors for developing intra-atrial thrombus formation, leading to catastrophic thromboembolism.

Although prognosis appears grave at this point, start enalapril at 1.25 mg BID, Fusid at 10 mg SID, Spironolactone at 6.25 mg SID, and Atenolol at 6.25 mg SID for one week, and then BID. In addition, start Clopidogrel (Plavix) at 1/4X75mg SID, and consider daily subcutaneous injection of Clexane (low molecular weight heparin).

Repeat the ECG in 10 days from now, ideally 8 and no less than 6 hours following the last atenolol dose, preferably with no anesthesia (or at least with no Domitor and no Ketamin or atropine), to see (by manual counting of QRS complexes over 20 seconds) if the heart rate is lower than 240/min. This can be done even in sternal recumbency, even in the presence of tremor or motion artifacts on the ECG tracings.