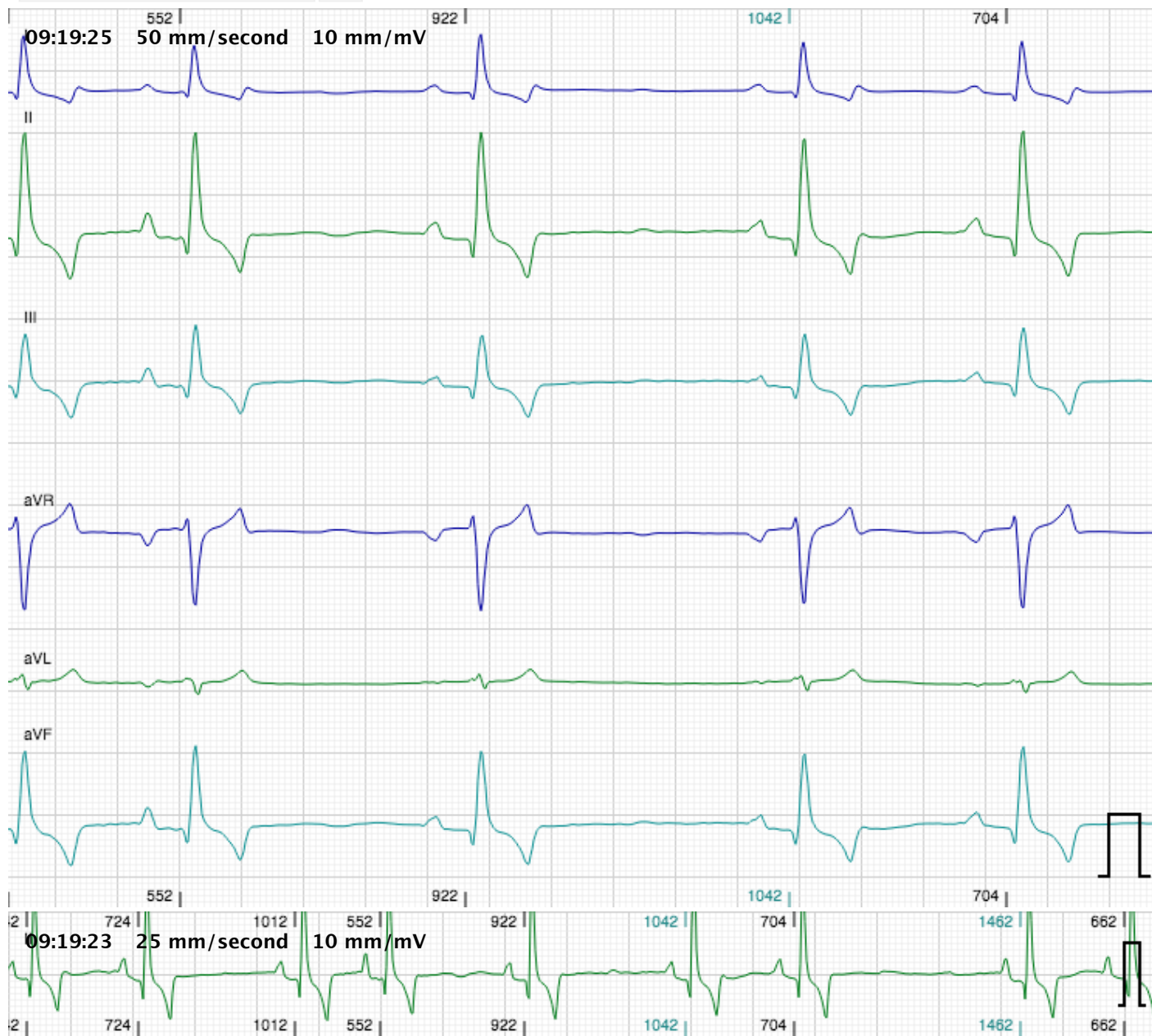


Type: Rest ECG **Date:** 24/06/2019 09:17:42 **Duration:** 00:02:09

Patient name:		Weight:	25.0 kg	Species:	Dog
ID:		History		Breed:	
Email:		Medications:		Owner:	
Phone Number:		Code-procedure		Spayed/Neutered	Yes
Sex:	F				
Age:	10				



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= 72/min

P= 65ms(longer than normal) & 0.22-0.25mv

PR= 140ms (a bit longer than normal)

QRS= 80 ms (longer than normal)

R= 1.7 mv

QT= 230 ms (longer than normal)

The heart rhythm is normal sinus arrhythmia.

The mean electrical axis is normal.

Findings: other than the prolonged P-wave (which is likely a manifestation of left atrial enlargement, compatible with the reported loud, systolic and left-apical murmur), most other prolongations of measurable intervals may have been the result of methadone administration. There is also a theoretical possibility of left bundle branch block (a localized, left ventricular conduction anomaly), based on the prolonged QRS duration, especially if QRS duration remains 70ms or higher even in the absence of methadone on board.

Conclusions and recommendations: Degenerative mitral valve disease is highly likely, and its severity can be assessed by performing two thoracic radiographs (DV and Lateral projections), to assess left atrial dimensions and to support decisions around the need of pharmacotherapy at this time. The presence of congestive heart failure is already ruled out even prior to radiography, based on the prominent and on-going sinus arrhythmia.

If general anesthesia is considered (e.g., to remove or drain the reported mass) this condition should not be a contra-indication, as long as peri-operative fluid administration remains as conservative as possible.

It would be a good plan to have the owner document the sleeping respiratory rate on a daily basis (or at least 4 times a week) to ascertain stability over time.