

24-hour Ambulatory ECG Holter Report

Amber  Significant ECG abnormality observed. Action may be required if underlying heart disease is known or suspected. Reason For Rating: Freq PSVC ~ 20000+ with freq AT runs, max 56 beats

Patient Number:  Test Date: 17/03/2025 10:56:32
Patient Name:  Requesting Site: ecg4vets.com
Patient D.O.B.:  Requesting Clinician: 
Patient Breed: Crossbreed

Metrics

Duration of Recording

Total monitoring time: 1d 28s
Total time analysed: 22h 57m 48s
Noise burden: 4.35 %

Heart Rate

Max: 17/03/2021 19:09:22 201 bpm
Min: 18/03/2021 06:02:55 60 bpm
Average: 95 bpm

Premature Supraventricular Complexes

Total PSVC beats: 20037 (15.26%)
No. of couplets: 631 (0.96%)

Premature Ventricular Complexes

Total PVC beats: 28 (0.02%)
No. of morphologies: 2
No. of couplets: 1 (<0.01%)
Total Bigeminy beats: 0
Total Trigeminy beats: 0

Episodes

Pauses

No. of pauses: 26
Longest RR interval: 17/03/2021 18:21:26 3318 ms

Atrioventricular block

Type: --

Atrial Fibrillation / Flutter

Burden: 0%
Longest episode: --
Max HR: --

Ventricular Tachycardia

No. of episodes: 0
Longest episode: --

Other Supraventricular Tachycardia

No. of episodes: 494
Longest episode: 17/03/2021 15:22:41 56 beats

Patient Notified Events

Count: 0

Cardiac Physiologist Report

1d recording. 22h 57min of analysable data.

Patient details: 8yr ME Crossbreed, 34.5kg. Assess occasional APCs and short runs of AT. Echo shows MVD with dilated LA. Pimobendan 0.25mg/kg BID. Clinically asymptomatic.

Underlying rhythm is Sinus arrhythmia / rhythm, PRi = 93ms, QRSd = 100ms.

26 sinus pauses ranging 2.5 - 3.3 seconds.

Frequent non-sustained atrial tachycardic runs ranging 11 - 56 beats (14secs) @ 238bpm, fastest salvo 5 beats @ 276bpm.

Min sinus rate 60 bpm at Day 2 / 06:02:55. Displays atrial bigeminy pattern.

Max sinus rate 201 bpm at Day 1 / 19:09:22. Displays sinus tachycardia.

Average heart rate 95 bpm.

20037 Premature SupraVentricular Contractions (PSVCs). 15.26 % burden. 16076 isolated PSVCs with sustained atrial bigeminy pattern noted, 631 couplets, triplets and salvos of 4 - 10 beats.

28 multifocal Premature Ventricular Contractions (PVCs). 0.02 % burden. 26 isolated PVCs and 1 couplet.

Diary returned. Exercise periods documented.

CARDIOLOGIST COMMENTS

The above results confirm the presence of a significant supraventricular arrhythmia, as observed on Moose's clinical assessment.

Although this arrhythmia may not be causing clinical signs at this time, if supraventricular premature complexes get organised in rapid supraventricular tachycardia, they can cause exercise intolerance, lethargy, weakness and, less commonly, syncope.

Moose supraventricular arrhythmia is likely associated with the reported left atrial enlargement and this can also predispose to onset of atrial fibrillation.

Therefore, we would recommend anti-arrhythmic therapy with digoxin, which should be given at 0.003 to 0.005 [maximum] mg/Kg PO BID). The goal is to use the lowest effective dose of digoxin, not the highest without side effects (as commonly advocated in the past).

It is extremely important to determine Moose's serum digoxin level 3-5 days after initiation of treatment and 6-8 hours after pilling (trough level).

Another cardiac assessment, including Holter recording, should be considered in approximately 6 months.

Dr Luca Ferasin, DVM PhD CertVC PGCert(HE) DipECVIM-CA (Cardiology) GPCert(B&PS) FRCVS
European (EBVS) and RCVS Recognised Specialist in Veterinary Cardiology

Reporter: Elizabeth Hammond
Physiologist
19/03/2025 17:49:02

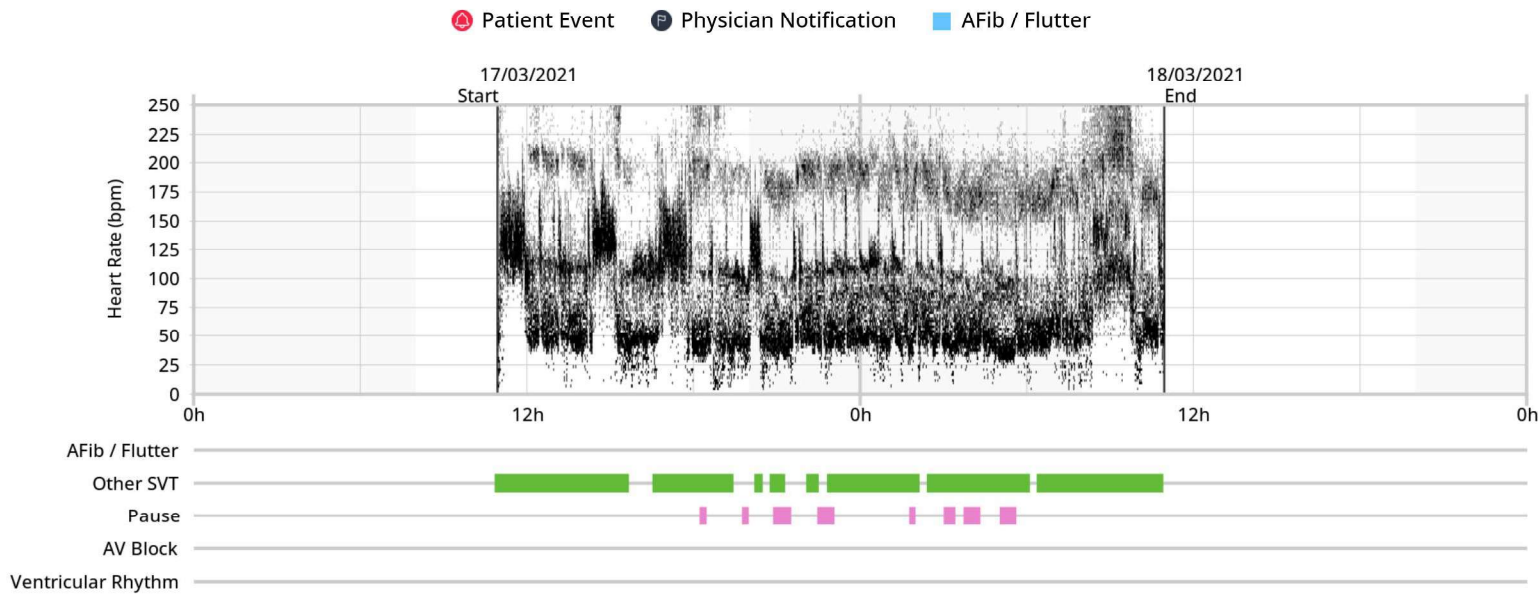
Edited by: Dr Luca Ferasin
ecg4vets.com
19/03/2025 19:17:09



Specialist Veterinary
Cardiology t/a ecg4vets.com

Heart Rate Trend

Min HR	Max HR	Avg HR	Bradycardia Episode Count	Tachycardia Episode Count
60bpm	201bpm	95bpm	8 (0.35%)	409 (27.13%)

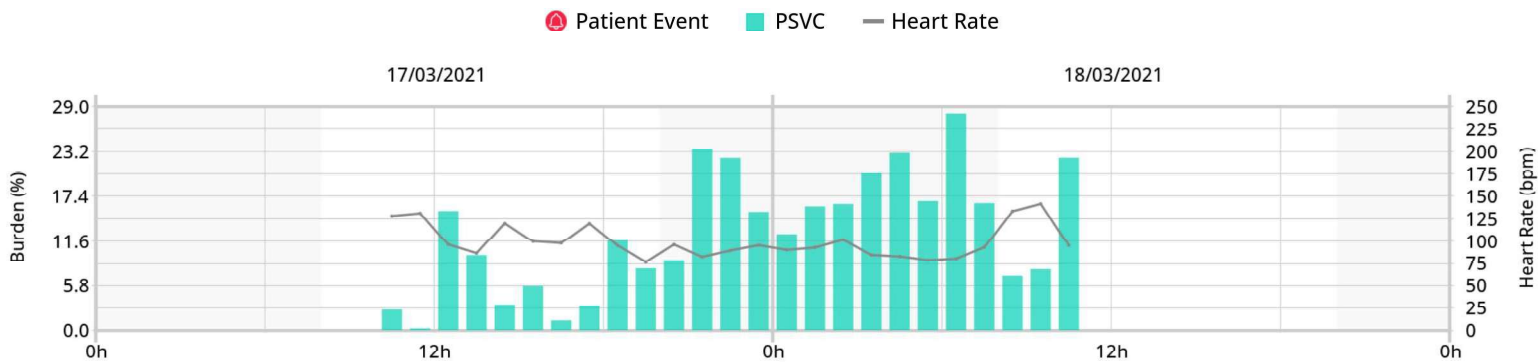


Atrial Fibrillation / Flutter Hourly Burden

No AFib found in the study

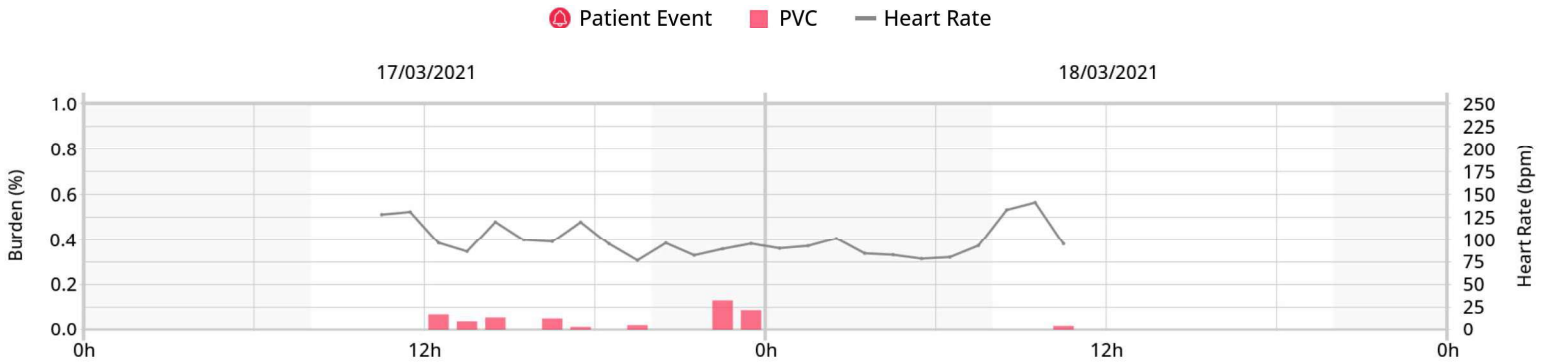
PSVC Hourly Burden

Count	Isolated Count	Couplets
20,037 (15.26%)	16,076 (12.24%)	631 (0.96%)



PVC Hourly Burden

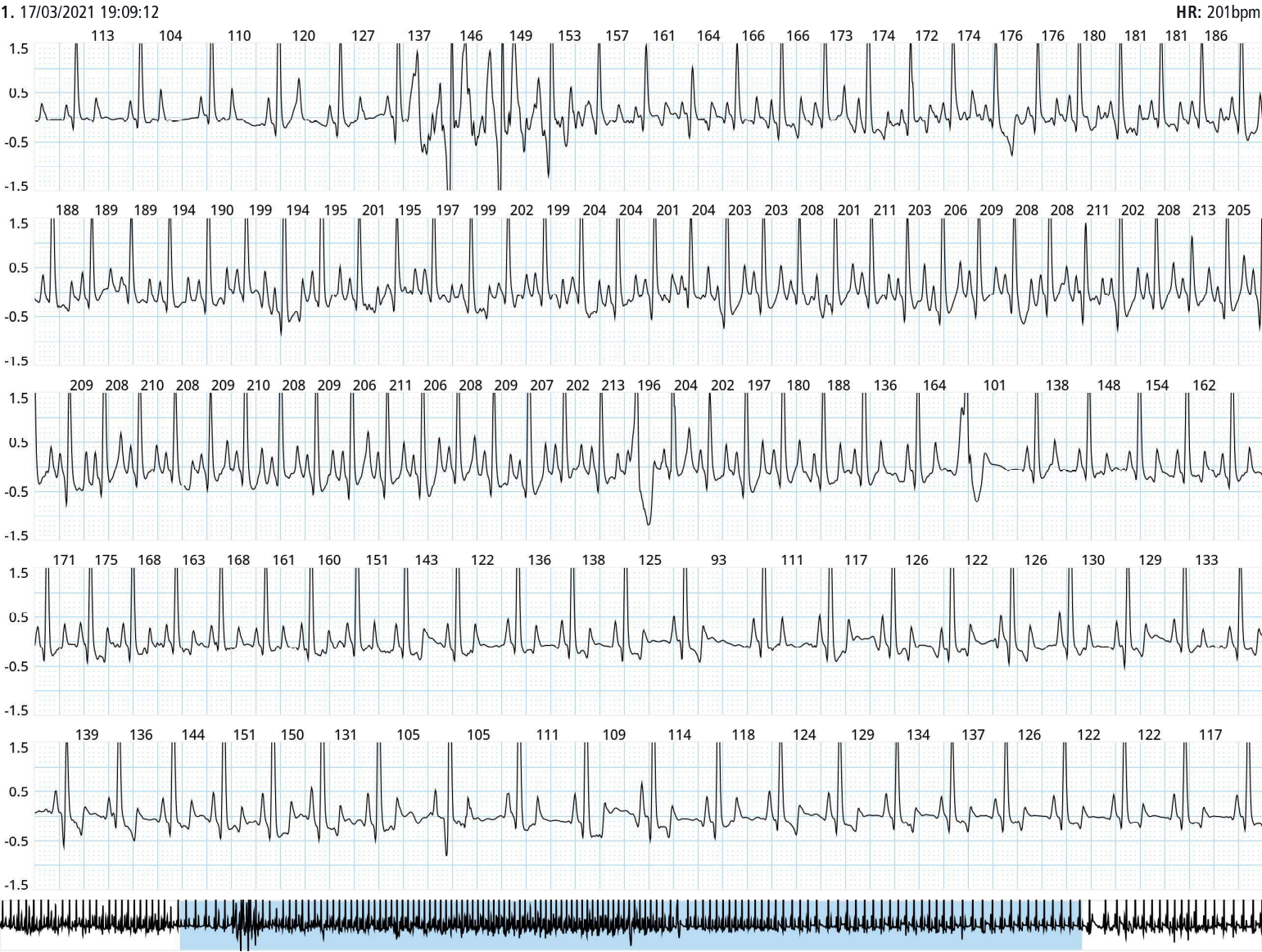
Count	Isolated Count	No. of Morphologies	Couplets	Bigeminy	Trigeminy
28 (0.02%)	26 (0.02%)	2	1 (<0.01%)	--	--



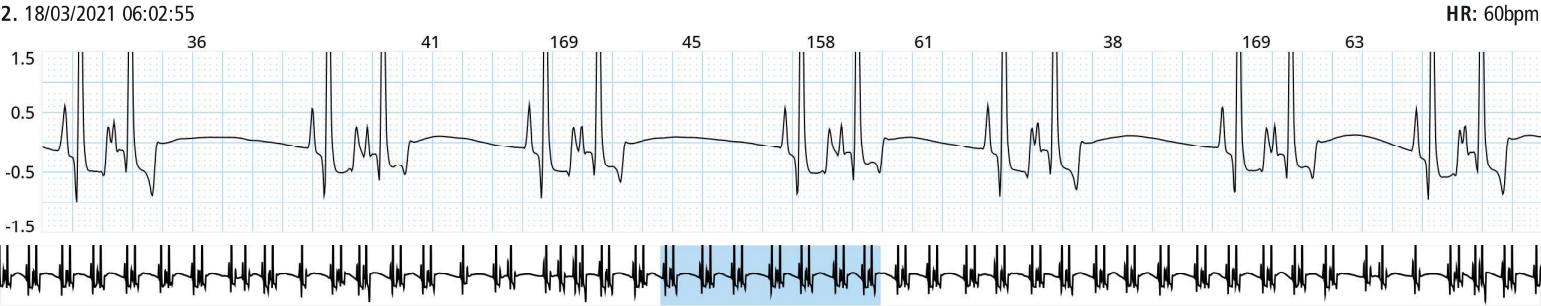
Strip Index

ID	Date & Time	Category	HR	Physician Notification	Association	Comments	Page
1	17/03/2021 19:09:12	Max HR	201bpm	--	--	Max sinus tachycardia	page 5
2	18/03/2021 06:02:55	Min HR	60bpm	--	--	Atrial Bigeminy	page 5
3	17/03/2021 13:32:40	Sinus	87bpm	--	--	PRi = 93ms, QRSd = 100ms	page 6
4	17/03/2021 18:21:23	Pause	--	--	--		page 6
5	17/03/2021 19:52:22	Pause	--	--	--		page 6
6	18/03/2021 03:49:59	Pause	--	--	--		page 6
7	17/03/2021 15:22:36	Other SVT	238bpm	--	--		page 7
8	17/03/2021 18:17:05	Other SVT	243bpm	--	--		page 7
9	17/03/2021 18:46:33	Other SVT	--	--	--		page 7
10	17/03/2021 18:47:08	Other SVT	231bpm	--	--		page 7
11	17/03/2021 18:47:27	Other SVT	226bpm	--	--		page 8
12	17/03/2021 18:48:29	Other SVT	209bpm	--	--		page 8
13	17/03/2021 18:48:43	Other SVT	207bpm	--	--		page 8
14	17/03/2021 18:52:00	Other SVT	239bpm	--	--		page 8
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16	17/03/2021 19:02:43	Other SVT	154bpm	--	--		page 9
17	18/03/2021 05:03:47	Other SVT	228bpm	--	--		page 9
18	18/03/2021 05:27:03	Other SVT	208bpm	--	--		page 9
19	18/03/2021 08:46:24	Other SVT	276bpm	--	--	fastest	page 9
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21	17/03/2021 13:54:12	PSVC	--	--	--		page 10
22	17/03/2021 18:04:05	PSVC	--	--	--		page 10
23	17/03/2021 12:54:19	Supraventricular Couplet	--	--	--		page 10
24	17/03/2021 12:26:08	PVC	--	--	--		page 10
25	17/03/2021 13:10:16	PVC	--	--	--		page 10
26	17/03/2021 22:33:46	Ventricular Couplet	--	--	--		page 11
27	17/03/2021 22:17:47	Manually Added	81bpm	--	--		page 12

Max HR



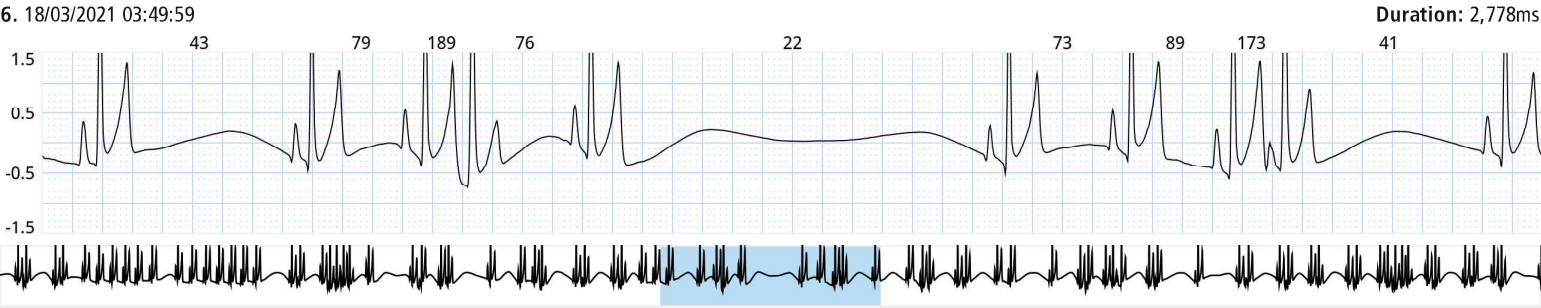
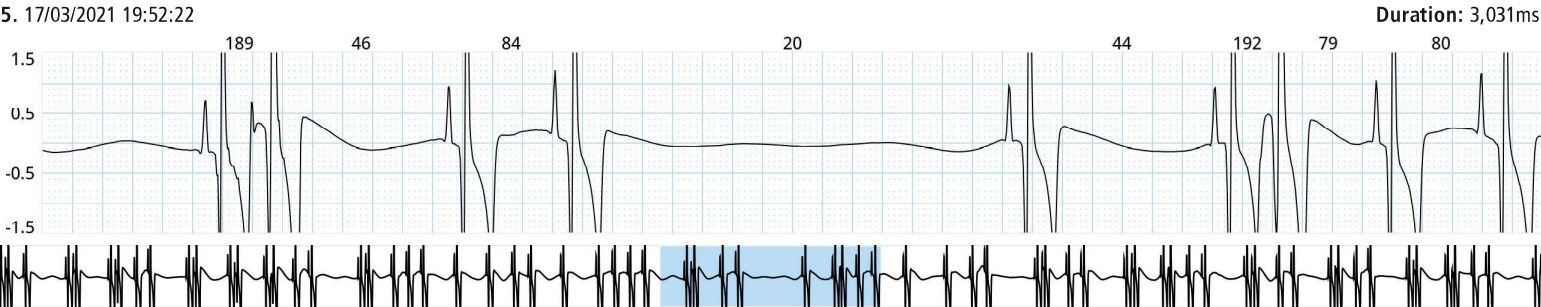
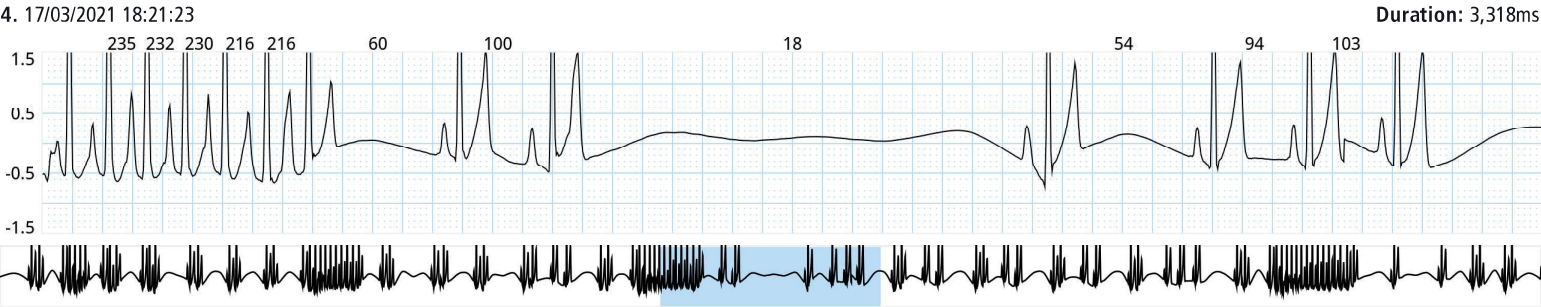
Min HR



Sinus

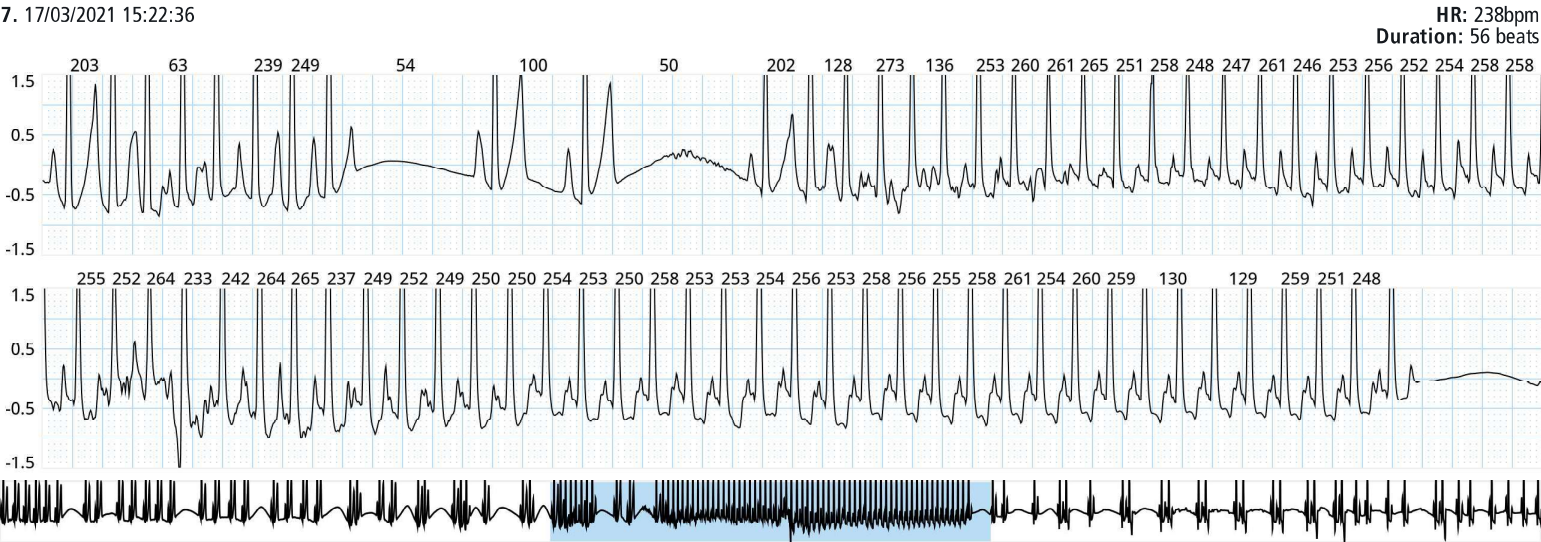


Pause

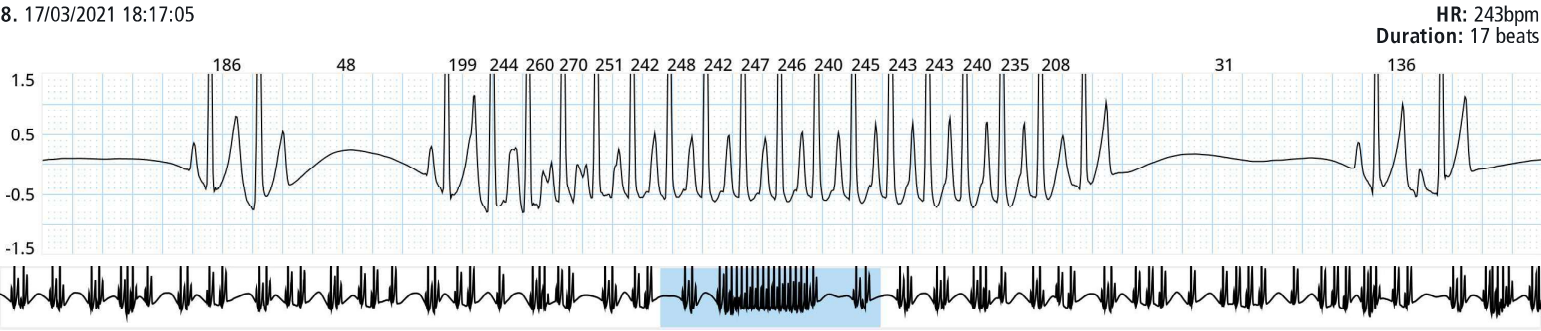


Other SVT

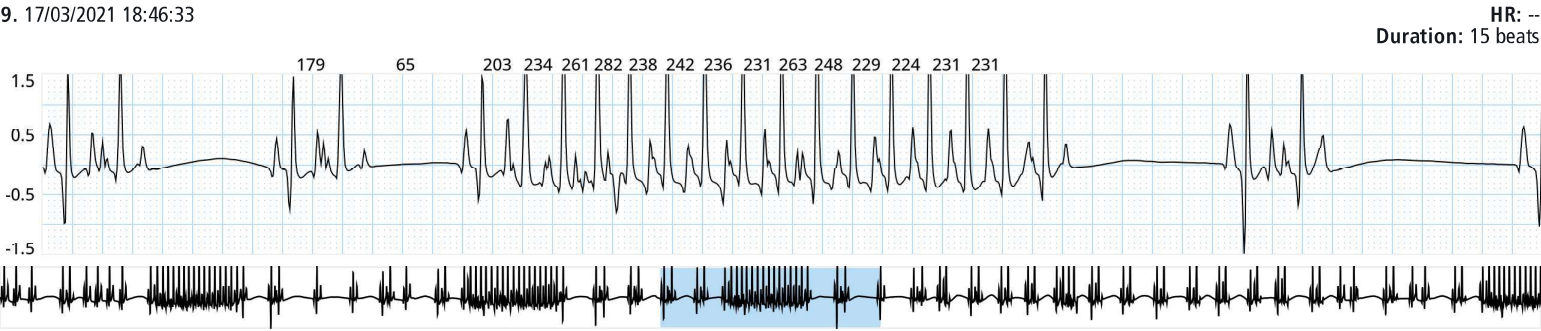
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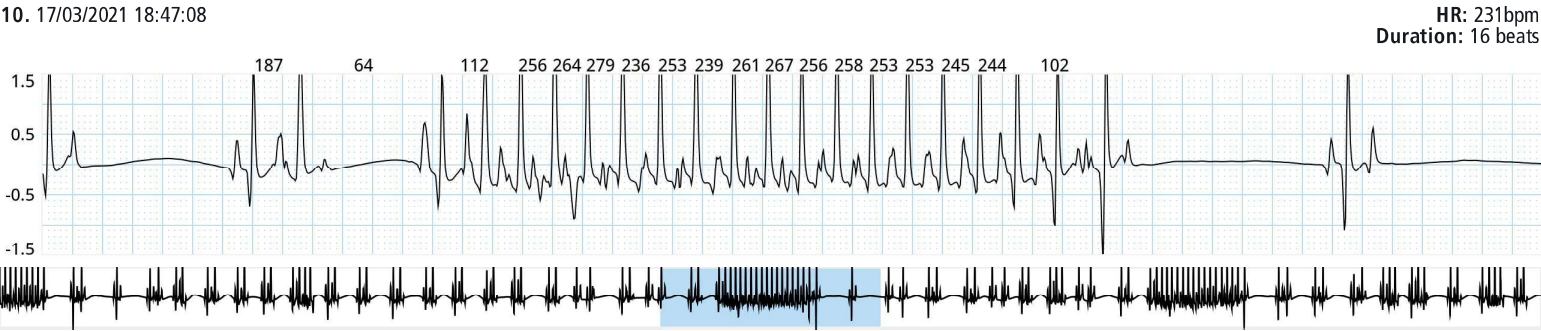
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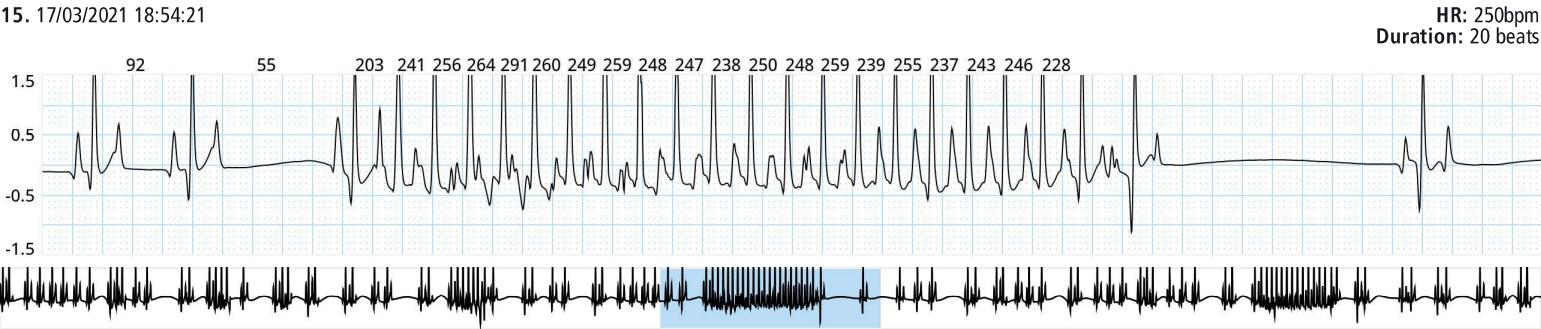
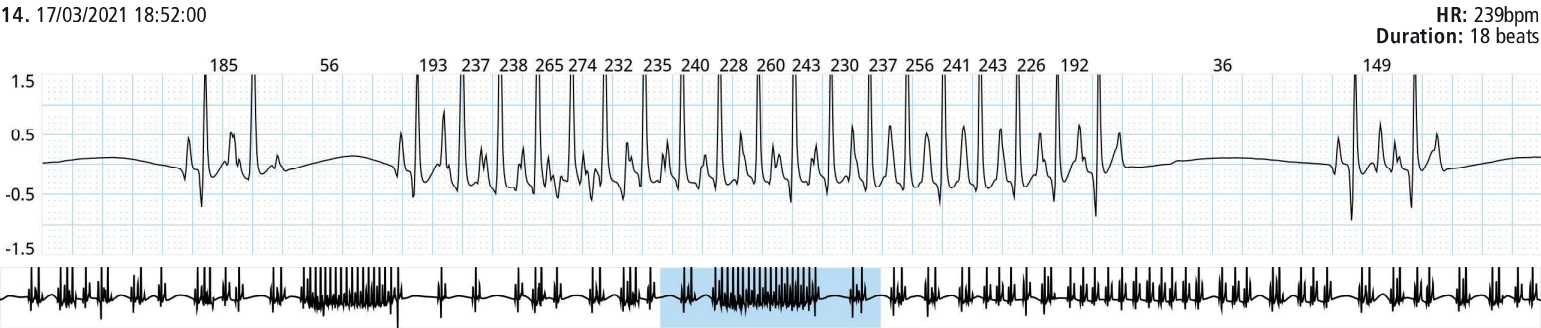
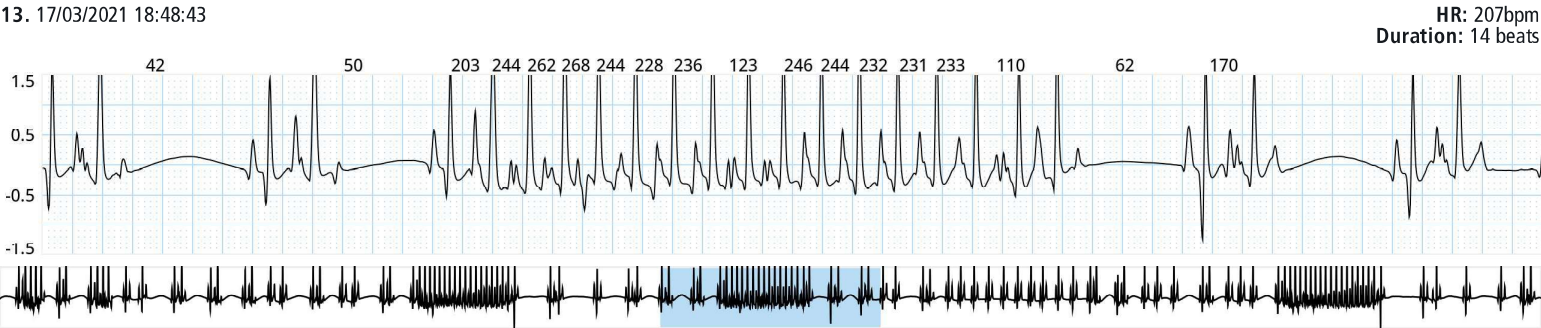
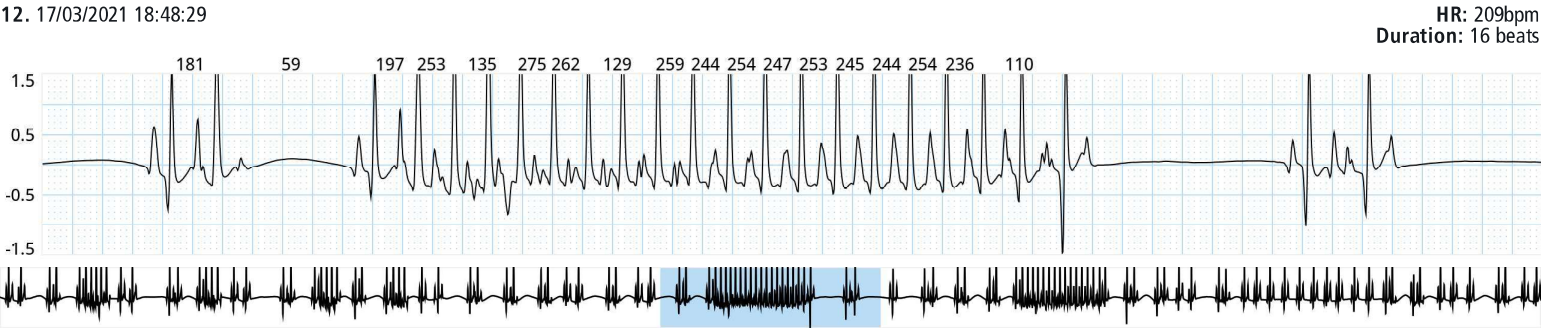
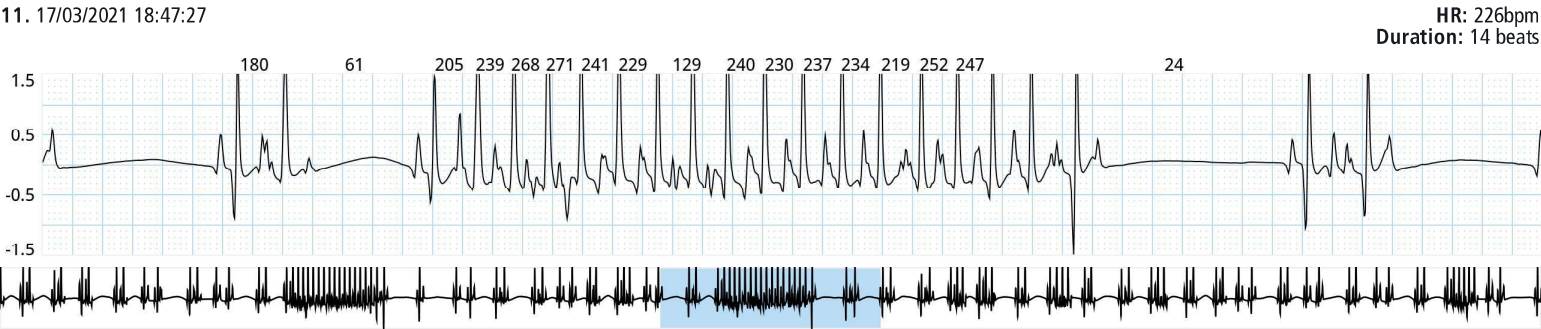


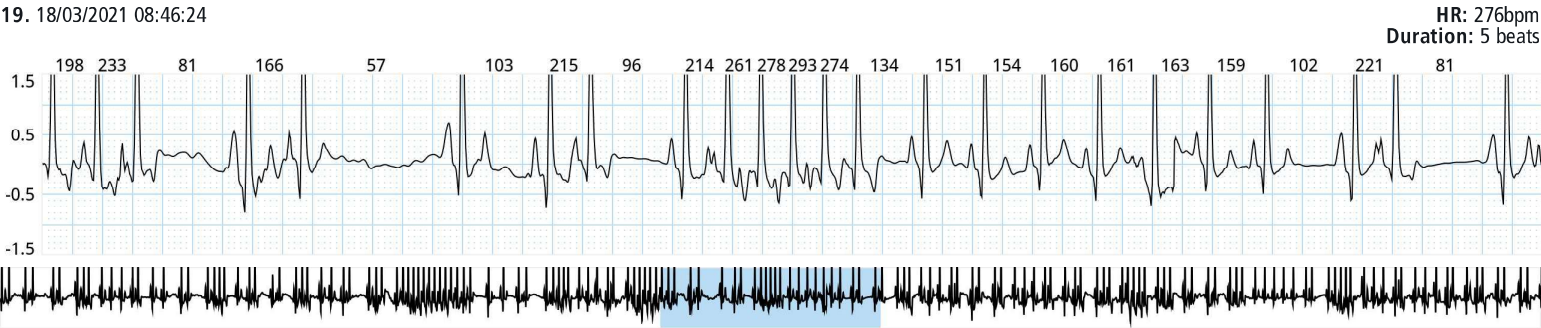
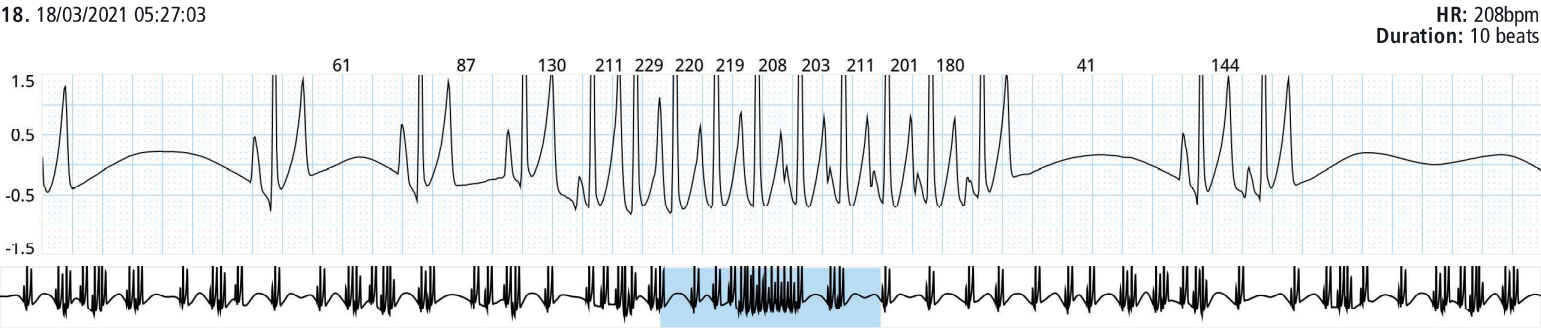
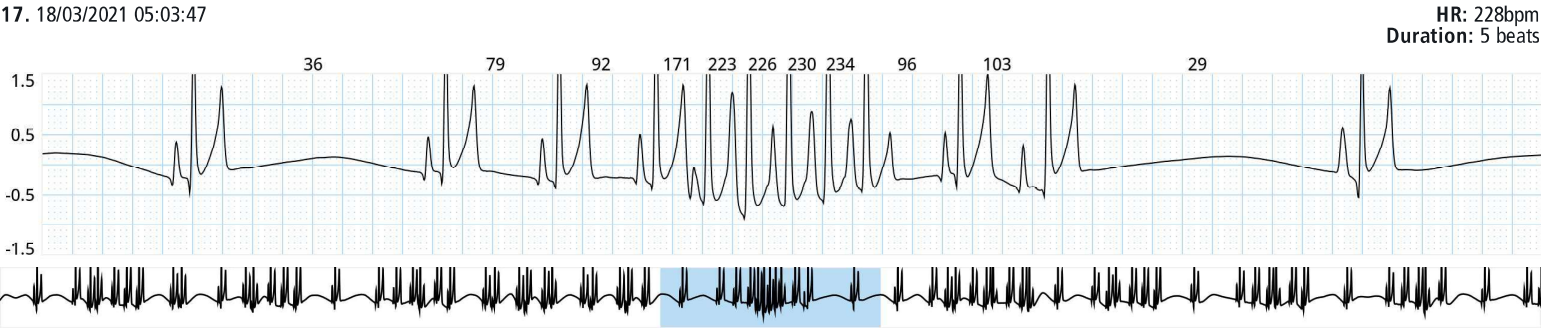
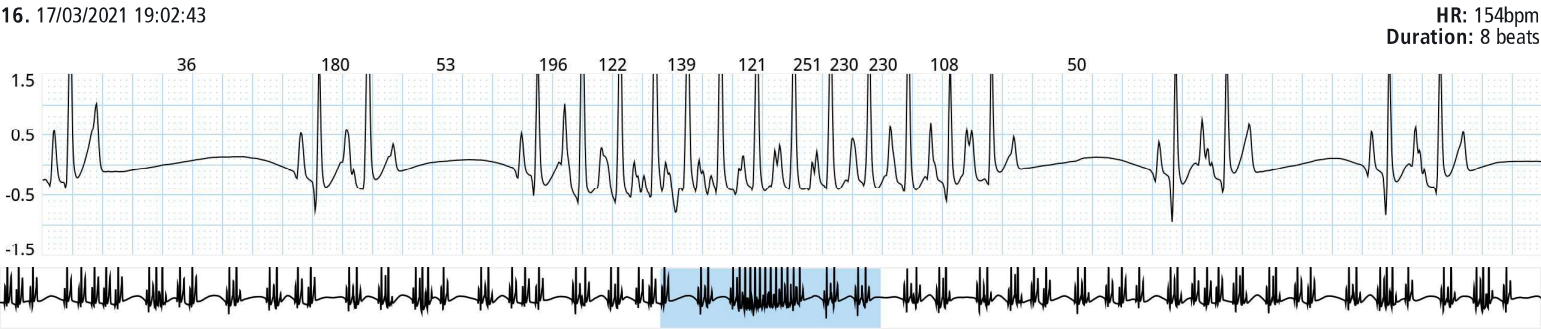
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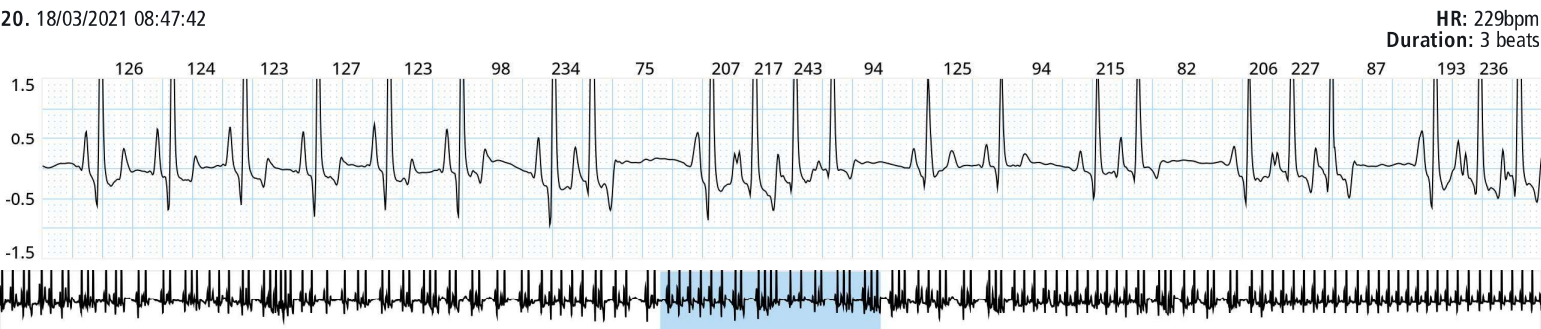
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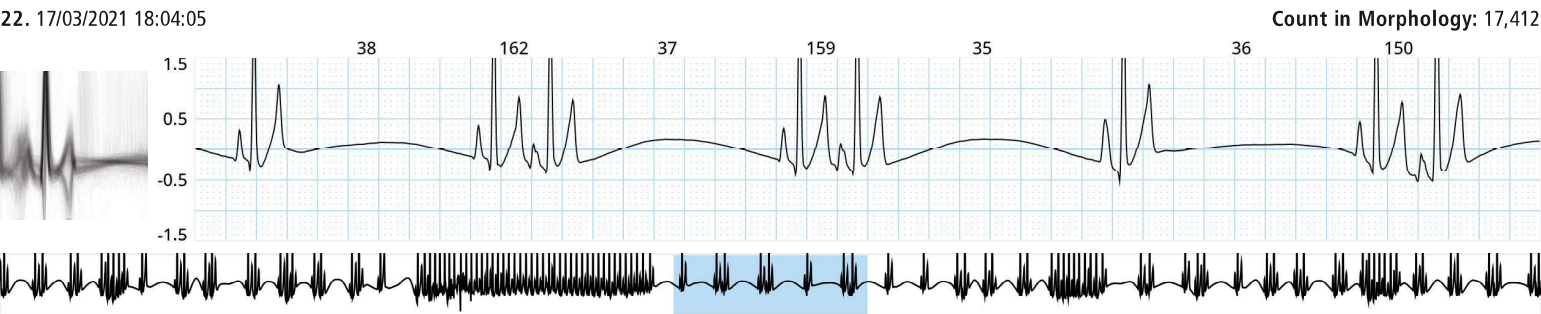
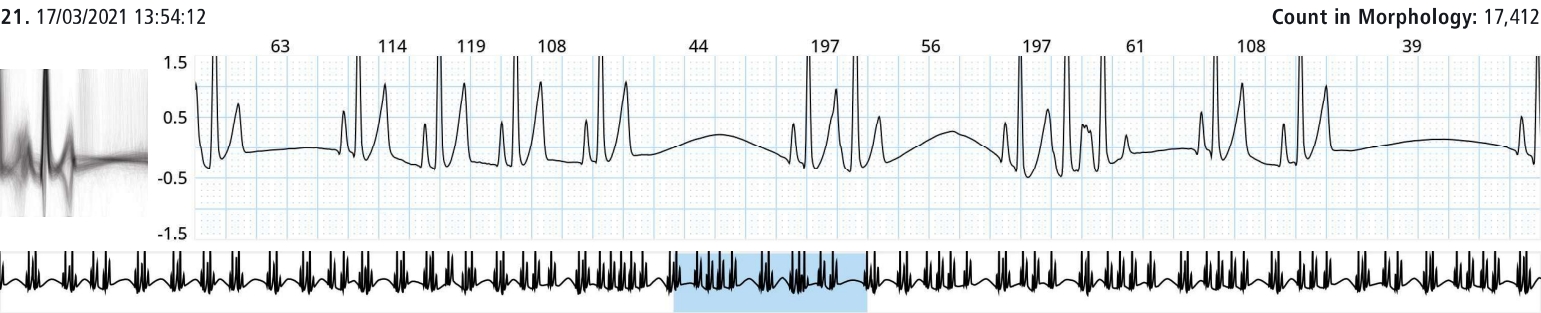




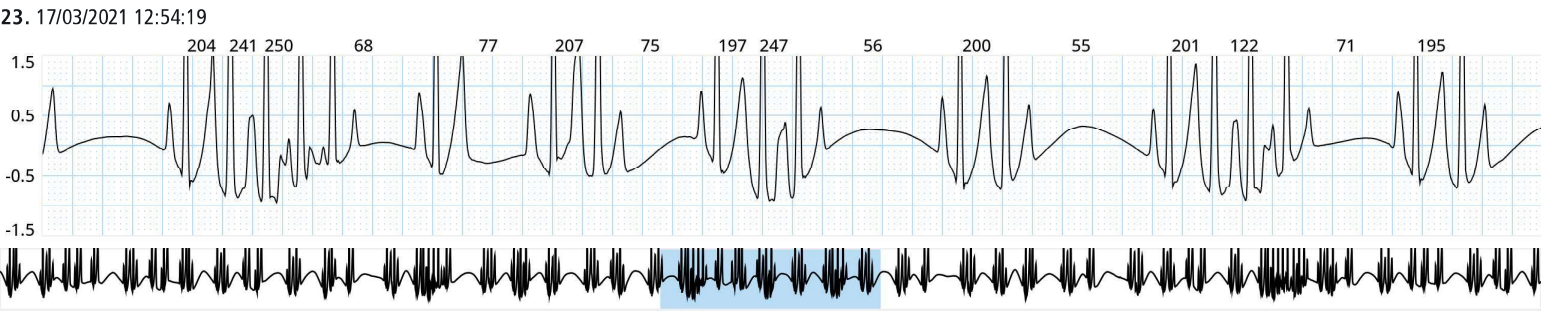
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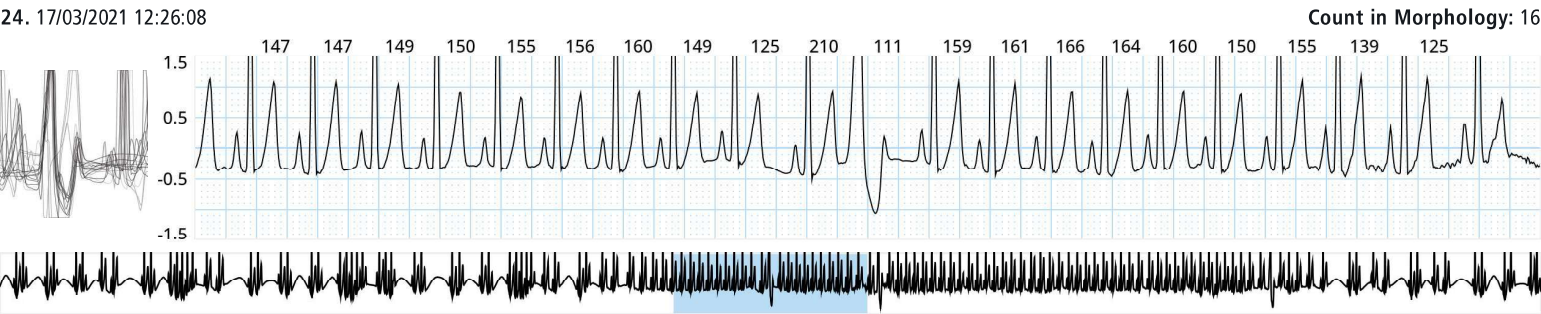
PSVC



Supraventricular Couplet

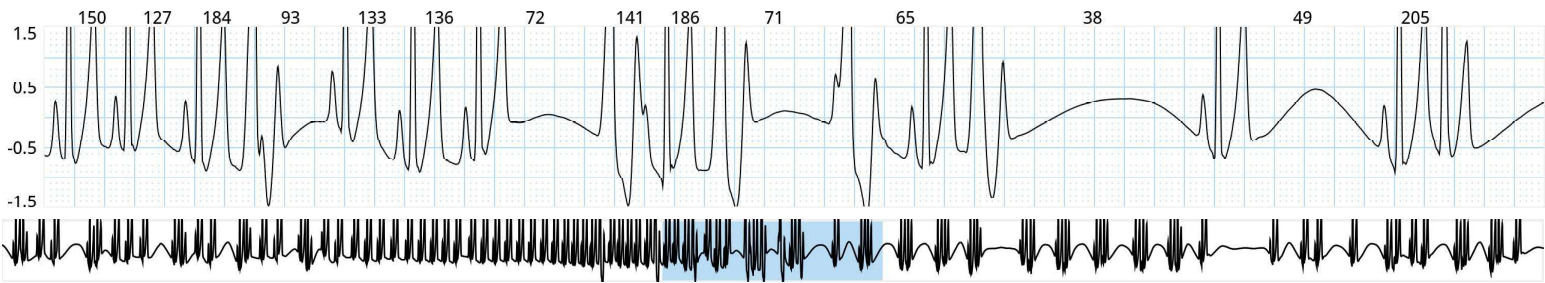


PVC



Ventricular Couplet

26. 17/03/2021 22:33:46



Manually Added

27. 17/03/2021 22:17:47

