



Tyler Flynn

Important

Date of Birth

30 Oct 1959

(62 yrs)

Gender

Male

[See the entire ECG](#)

Public Demo



3, Republikas square, office 225, Riga, LV-1010, Latvia

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getintouch@xoresearch.com

Ordering Organization

Unknown

Device ID

Recording Time

2d 23h 59m

Enrollment time

13 Sep 2022 13:11:26

16 Sep 2022 13:11:25

Contacts

Lead Configuration

I, II

Analyzed (noise skipped)

2d 23h 40m

Ordering Physician

Cardio.AI Support

Signature

Interpretation Physician

Cardio.AI Support

Signature

POWERED BY



research

Cardio|AI

Condensed summary

The monitoring was worn from **13 Sep 2022 13:11:26** for **2d 23h 59m**.

The predominant rhythm shows *Normal Sinus Rhythm*.

The findings of the monitor are detailed below:

- The minimum heart rate was 48, the maximum heart rate was 117, and the average heart rate of 66.
- <0.1% burden of atrial tachycardia.
- There were 618 SVPCs (0.22% burden).
- There were 576 PVCs (0.20% burden).
- There were 5 runs of SV tachycardia with the longest lasting 3s (beats: 6, maximum BPM: 108).

Summary

General	Automatism Low	Beats		Min BPM	Avg BPM	Max BPM	Max R-R, ms		
		BPM	284,708	48 at <u>16 Sep 04:32:57</u>	66	135 at <u>15 Sep 11:48:04</u>	1560 at <u>14 Sep 08:24:54</u>		
		Beats		Min BPM	Avg BPM	Max BPM	Tachy	Brady	
	BPM (sinus)	283,488	48 at <u>16 Sep 04:32:57</u>	66	117 at <u>15 Sep 01:21:56</u>	3m			
	Conductivity Important					Duration	Min BPM	Max BPM	Avg BPM
First Degree AV Block				2d 6h 49m	44	113	67		
HRV Low									
Ectopy	Tachycardia Moderate	Beats		Episodes	Duration	Max dur	Max BPM	Avg BPM	
		Nonsustained Paroxysmal Atrial Tachycardia		20	4	10s	2s	130	126
		Nonsustained Automatic Atrial Tachycardia		6	1	3s	3s	108	108
	Supraventricular OK							Beats	Max events/m
		Atrial Premature Contraction						536	3
								Episodes	Max events/m
		Atrial Couplet						26	2
	Atrial Triplet						10	6	
	Ventricular Low							Beats	Max events/m
		Ventricular Premature Contraction						537	3
		Fusion Of Ventricular And Normal Beat						2	1
		Ventricular Interpolated Beat						35	1
						Episodes	Max events/m		
Ventricular Couplet						1	2		

PQRST	PQ interval Low		Min	Avg	Max
		PQ interval	189 at 13 Sep 13:13:24	202	214 at 13 Sep 13:16:11
	QRS complex OK		Min	Avg	Max
		QRS complex	71 at 13 Sep 13:13:51	78	86 at 13 Sep 13:13:40
	QTc interval OK		Min	Avg	Max
		QTc interval	423 at 13 Sep 19:07:57	440	460 at 14 Sep 00:39:38

Narrative summary

Monitoring started at 13 Sep 2022 13:11:26 and continued for 2d 23h 59m. The predominant rhythm shows *Normal Sinus Rhythm*. During the whole examination time the **average** heart rate was 66 beats/min. The **minimal** heart rate was 48 beats/min and was recorded at 16 Sep 04:32:57. **Maximum** heart rate was 117 beats/min and was registered at 15 Sep 01:21:56.

The patient's rhythm includes 3m 46s of **sinus tachycardia**, predominantly at night time. The episode of the **fastest** sinus tachycardia was recorded at 15 Sep 01:21:56, with duration of 59s and the maximum BPM 117 beats/min.

Maximum R-R interval on **sinus rhythm** was 1417 ms, recorded at 13 Sep 20:09:59.

No **pauses** were detected during monitoring.

Atrial ectopic events consisted of 644 beats (0.23% of total), predominantly at day time, with the largest percentage (37.58%) occurred at 15 September (day 3). Ectopic beats count: **APC** – 536, **Couplets** – 52 (episodes: 26), **Triplets** – 30 (episodes: 10).

- Unsustained Paroxysmal Atrial Tachycardia** consisted of 4 episodes (beats: 20), predominantly at night time, lasting from 2s to 3s, with total duration 10s and average BPM 126 beats/min. Episode with *maximum duration* of 3s observed from 14 Sep 03:05:39 to 14 Sep 03:05:42 (beats: 5, maximum BPM 125 beats/min). Episode with *maximum BPM* of 130 beats/min observed from 13 Sep 23:10:35 to 13 Sep 23:10:38 and lasted for 3s (beats: 4).
- Unsustained Automatic Atrial Tachycardia** episode at 15 Sep 23:21:04 lasted for 3s (beats: 6), average BPM 108 beats/min, maximum BPM 108 beats/min.

Ventricular ectopic events consisted of 576 beats (0.20% of total), predominantly at day time, with the largest percentage (44.10%) occurred at 13 September (day 1). Ectopic beats count: **VPC** – 537, **Fusion VPC** – 2, **Interpolated VPC** – 35, **Couplets** – 2 (episodes: 1).

Blocks consisted of 216,197 beats (75.94% of total), predominantly at day time. Detected failures of SA/AV conduction: **1st degree AV Block** – 216,197.

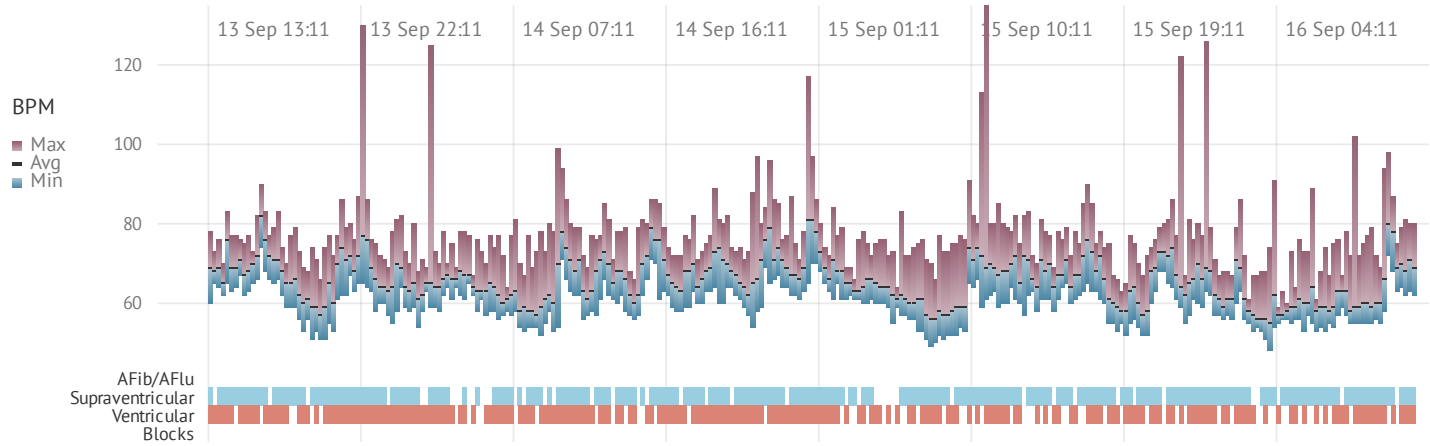
PQ metrics: **average PQ Interval** – 202 ms; **minimum PQ Interval** (on minimum BPM) – 209 ms registered at 16 Sep 04:32:57; **minimum PQ Segment** (on minimum BPM) – 106 ms registered at 16 Sep 04:32:57.

QRS/QT metrics: **average QRS interval** – 78 ms; **maximum QRS interval** (on maximum BPM) – 63 ms registered at 15 Sep 01:21:56; **minimum QRS interval** (on minimum BPM) – 86 ms registered at 16 Sep 04:32:57; **average QT interval** – 426 ms; **minimum QT interval** (on minimum BPM) – 477 ms registered at 16 Sep 04:32:57; **average QTc interval** – 440 ms; **minimum QTc interval** (on minimum BPM) – 439 ms registered at 16 Sep 04:32:57.

Comments

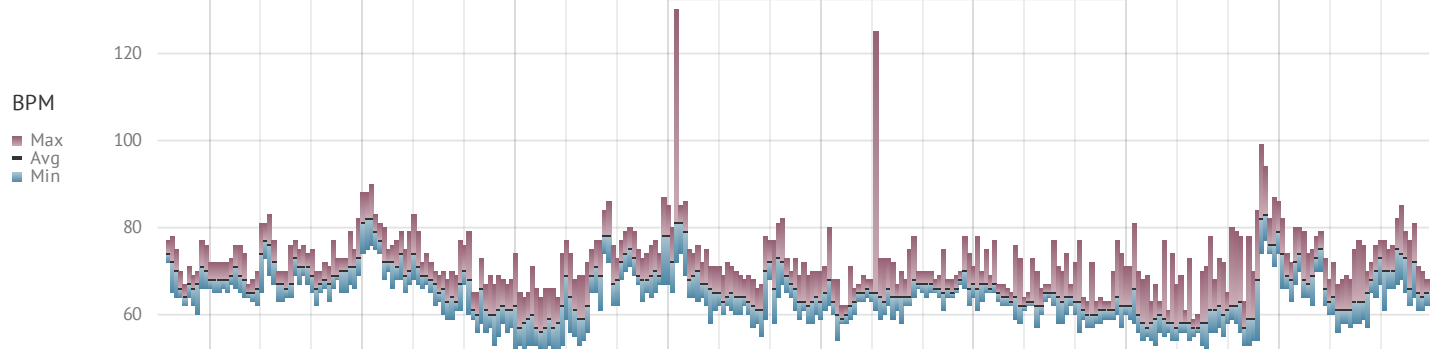
Daily BPM

13 Sep 13:11 – 16 Sep 13:11



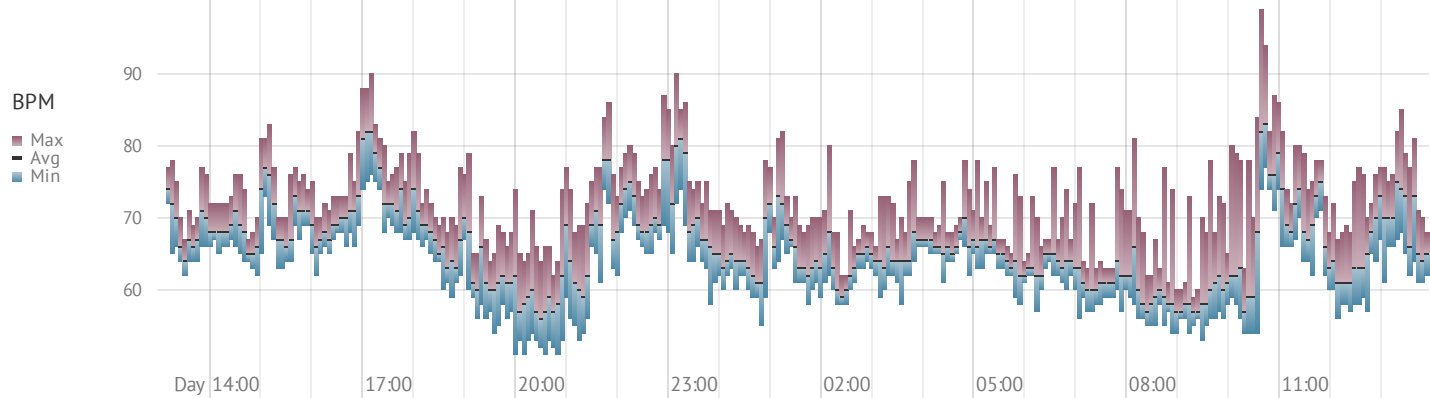
13 Sep 13:11 – 14 Sep 14:00 (day 1)

BPM	Day	14:00	17:00				20:00				23:00				02:00				05:00				08:00				11:00			
Max		130	78	83	82	90	83	79	74	86	87	130	78	82	80	125	78	78	77	77	81	78	99	86	77	85				
Avg		66	68	71	69	75	67	63	59	67	71	72	64	67	63	65	67	65	64	61	60	59	67	71	64	70				
Min		51	60	63	62	65	59	53	51	53	62	58	55	58	54	58	61	58	57	56	53	52	53	62	56	61				
Max R-R		1560	1434	1269	1360	1309	1371	1457	1434	1514	1343	1377	1451	1434	1451	1360	1326	1291	1411	1469	1560	1526	1549	1320	1423	1257				



BPM (sinus)	Day	14:00	17:00				20:00				23:00				02:00				05:00				08:00				11:00			
Max		99	78	83	82	90	82	79	74	86	87	90	78	82	80	78	78	78	77	77	81	78	99	86	77	85				
Avg		66	68	71	69	75	67	63	59	67	71	72	64	67	63	65	67	65	64	61	60	59	67	71	64	70				
Min		51	62	63	62	67	59	54	51	53	62	58	55	58	58	58	61	58	57	56	54	53	54	62	56	61				

PQRST (sinus)	Day	14:00	17:00				20:00				23:00				02:00				05:00				08:00				11:00			
PQi		206	198	198	211	201	211	207	210	201	207	200	211	207	205	205	212	206	222	219	208	202	202	199	202	200				
QRS		78	78	77	76	77	77	81	81	79	75	79	80	80	83	82	72	75	76	71	83	81	79	79	79	76				
QT		427	425	414	430	402	417	424	436	413	405	405	441	440	457	448	438	436	443	445	448	452	421	400	414	402				
QTc		442	444	439	452	434	435	431	433	430	430	430	452	456	466	460	455	450	453	450	449	449	437	425	424	425				



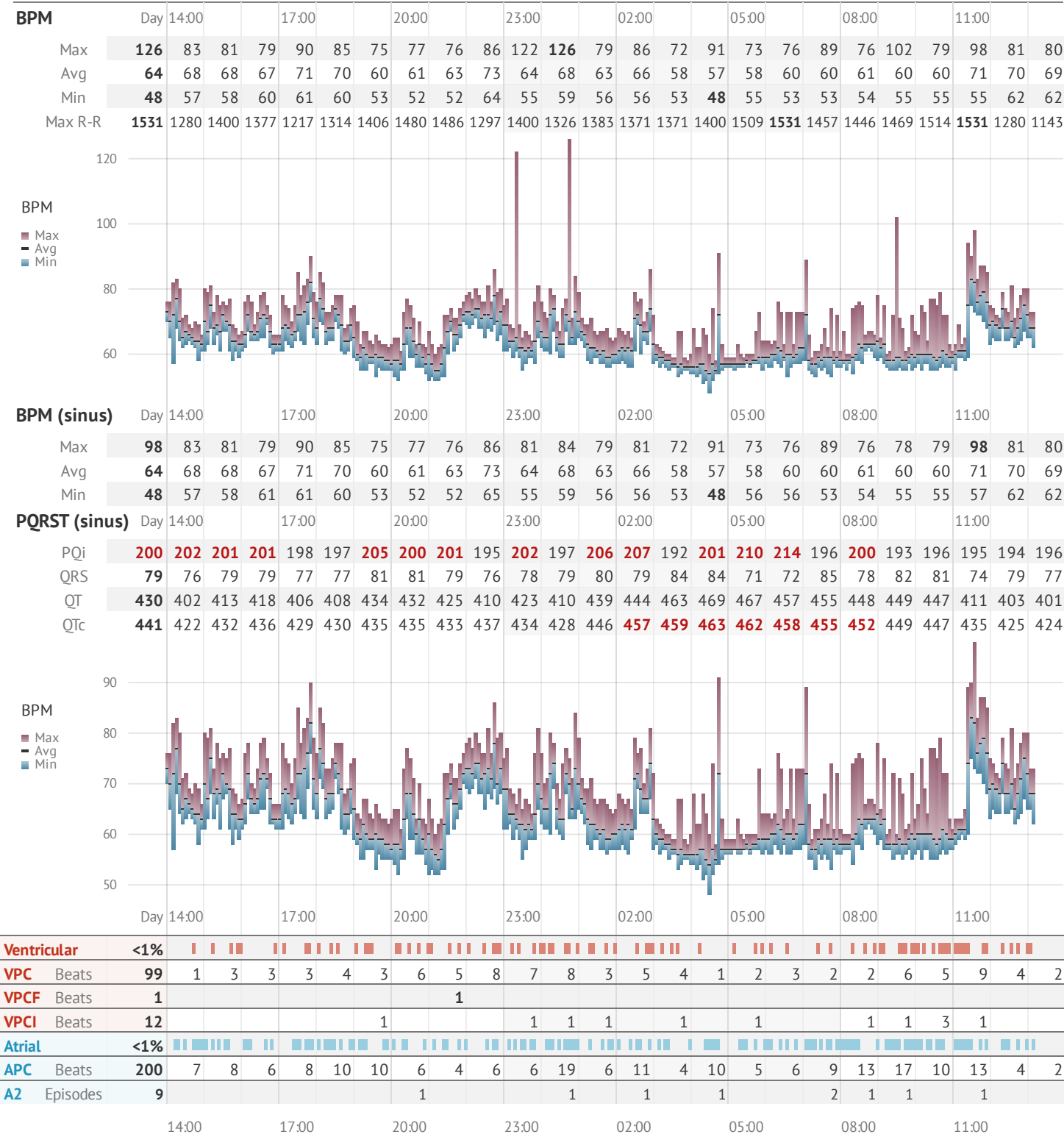
Ventricular		<1%																												
VPC	Beats	239	11	5	18	11	12	4	2	18	21	12	15	14	7	9	5	4	9	6	20	9	8	9	6	4				
VPCF	Beats	1																					1							
VPCI	Beats	12						2	1	1										2	1	4	1							
V2	Episodes	1												1																
			14:00		17:00			20:00			23:00			02:00			05:00			08:00			11:00							

		Day	14:00			17:00			20:00			23:00			02:00			05:00			08:00			11:00		
Atrial		<1%																								
APC	Beats	168	10	7	11	9	5	5	11	12	9	14	8	4	5	11	1	3	1	3	4	6	8	8	6	7
A2	Episodes	7	1				1	1	1				1				2									
PATn	Beats	11									5				6											
	Episodes	2									1				1											
	Max BPM	130									130				125											
	Avg BPM	128									130				125											
	Min BPM	125									130				125											
	Max dur	0:02									0:02				0:02											
Block		74%																								
AV1	Burden	74%																								
	Duration	18h19	54:32	34:32	1h	34:26	57:05	55:33	21:36	37:33	54:41	48:19	50:00	58:05	1h	45:34	49:45	1h	1h	55:43	22:58	09:06	18:57	45:41	58:49	49:07
	Max BPM	99	78	82	82	90	82	79	70	86	87	90	78	83	77	78	78	78	78	77	80	73	99	83	77	83
	Avg BPM	68	69	71	79	74	73	61	57	68	76	65	73	64	64	67	67	63	64	65	59	60	77	72	70	64
	Min BPM	44	62	52	57	67	59	54	50	46	48	57	55	44	56	55	61	58	57	55	46	56	56	52	55	59
			14:00			17:00			20:00			23:00			02:00			05:00			08:00			11:00		

		Day	14:00		17:00		20:00		23:00		02:00		05:00		08:00		11:00									
VPCI	Beats	11			3			1	2						3	1	1									
Atrial		<1%																								
APC	Beats	168	10	2	6	4	7	9	9	10	7	9	4	9	6	6	5	1	3	6	6	7	8	10	12	12
A2	Episodes	10					1			2					1		1	1	1	1			2			
A3	Episodes	7							1		2								1	1			2			
Block		58%																								
AV1	Burden	58%																								
	Duration	14h1	52:11	47:01	13:17	43:16	50:22	51:23	39:44	55:10	28:57	21:38	51:41	22:15	52:13	42:09	40:06	19:24	41:53	02:14	06:23	12:19	36:27	24:34	48:04	38:36
	Max BPM	113	79	79	86	72	80	88	81	73	80	89	77	93	84	79	79	75	73	78	61	76	91	113	85	82
	Avg BPM	67	62	74	67	65	64	79	69	61	74	69	66	79	75	66	66	63	63	60	59	58	70	72	67	66
	Min BPM	44	58	56	61	58	56	46	50	46	48	67	47	61	53	61	60	61	55	57	54	53	44	49	44	55
			14:00		17:00		20:00		23:00		02:00		05:00		08:00		11:00									

VPC - Ventricular Premature Contraction, VPCI - Ventricular Interpolated Beat, APC - Atrial Premature Contraction, A2 - Atrial Couplet, A3 - Atrial Triplet, AV1 - First Degree AV Block

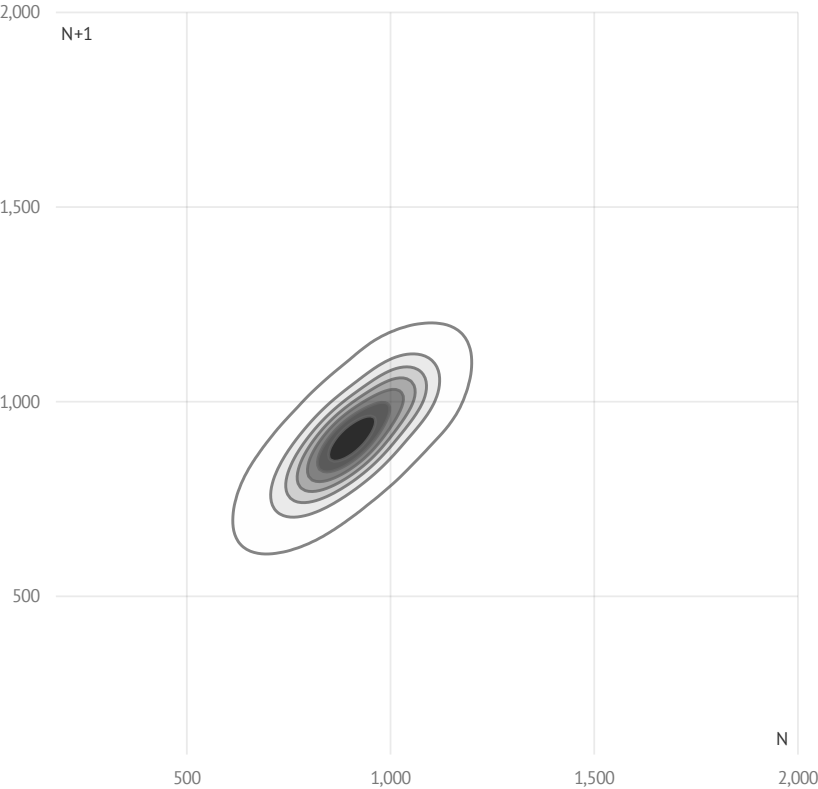
15 Sep 14:00 – 16 Sep 13:11 (day 3)



Day		14:00					17:00					20:00					23:00					02:00					05:00					08:00					11:00							
A3	Episodes	3					1																													2								
PATn	Beats	9													5	4																												
	Episodes	2													1	1																												
	Max BPM	126													122	126																												
	Avg BPM	124													122	126																												
	Min BPM	122													122	126																												
	Max dur	0:02													0:02	0:02																												
AATn	Beats	6													6																													
	Episodes	1													1																													
	Max BPM	108													108																													
	Avg BPM	108													108																													
	Min BPM	108													108																													
	Max dur	0:03													0:03																													
Block		97%																																										
AV1	Burden	97%																																										
	Duration	22h28	1h	1h	1h	1h	1h	1h	1h	1h	1h	1h	1h	1h	1h	1h	1h	1h	1h	1h	1h	1h	1h	1h	1h	1h	1h	1h	1h	1h	1h	1h	1h	34:10	57:32	06:27								
	Max BPM	101	83	82	79	90	85	75	77	76	86	81	82	79	83	72	91	73	76	89	76	83	79	101	81	81																		
	Avg BPM	65	63	65	64	72	70	58	60	70	70	66	79	60	71	58	62	59	62	61	64	59	60	74	76	68																		
	Min BPM	48	57	52	61	61	60	53	52	52	65	55	56	56	53	53	48	56	56	53	54	54	55	57	62	65																		
		14:00					17:00					20:00					23:00					02:00					05:00					08:00					11:00							

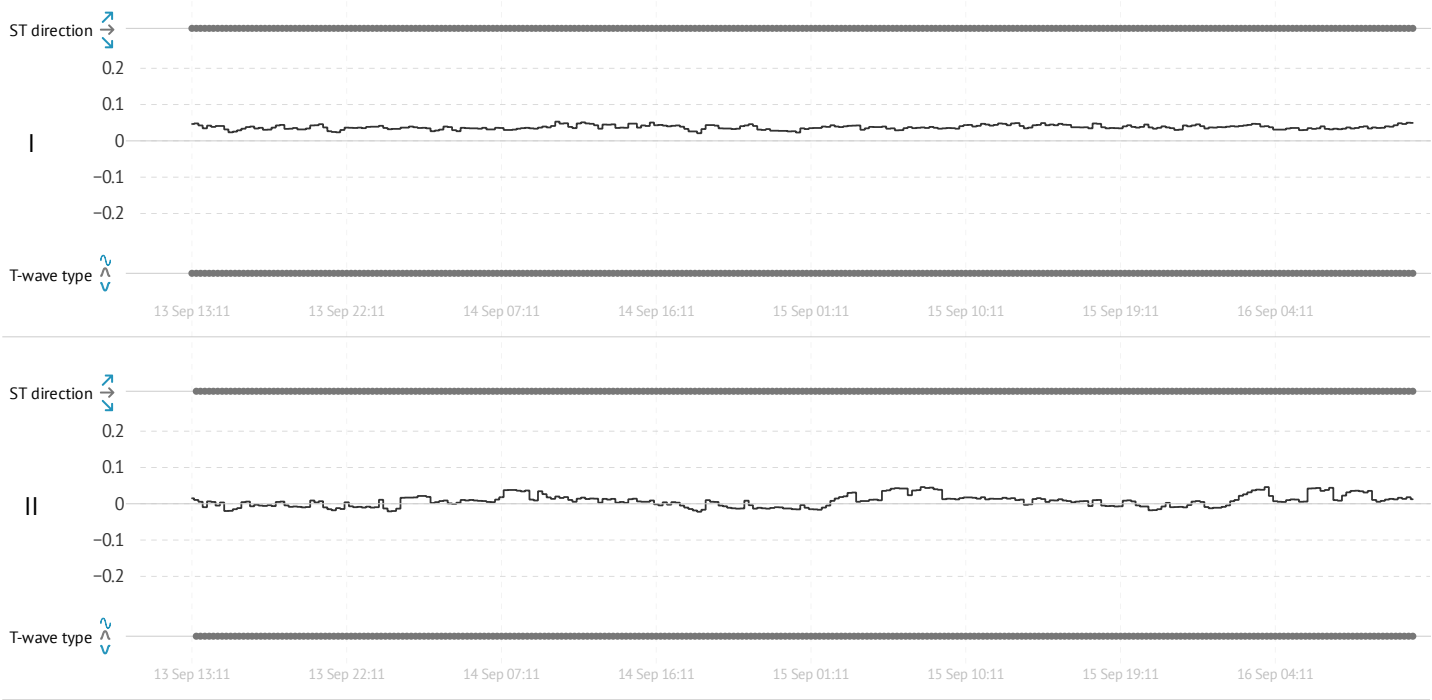
VPC - Ventricular Premature Contraction, VPCF - Fusion Of Ventricular And Normal Beat, VPCI - Ventricular Interpolated Beat, APC - Atrial Premature Contraction, A2 - Atrial Couplet, A3 - Atrial Triplet, PATn - Nonsustained Paroxysmal Atrial Tachycardia, AATn - Nonsustained Automatic Atrial Tachycardia, AV1 - First Degree AV Block

Heart Rate Variability (sinus)



SDNN	SDANN
89 ms	80ms
(healthy 89-153)	(healthy 78-134)
pNN50	RMSSD
3%	21 ms
(healthy 0-9)	(healthy 16-28)
Triangular Index	
20ms	

ST-segment (sinus)



Strip Index

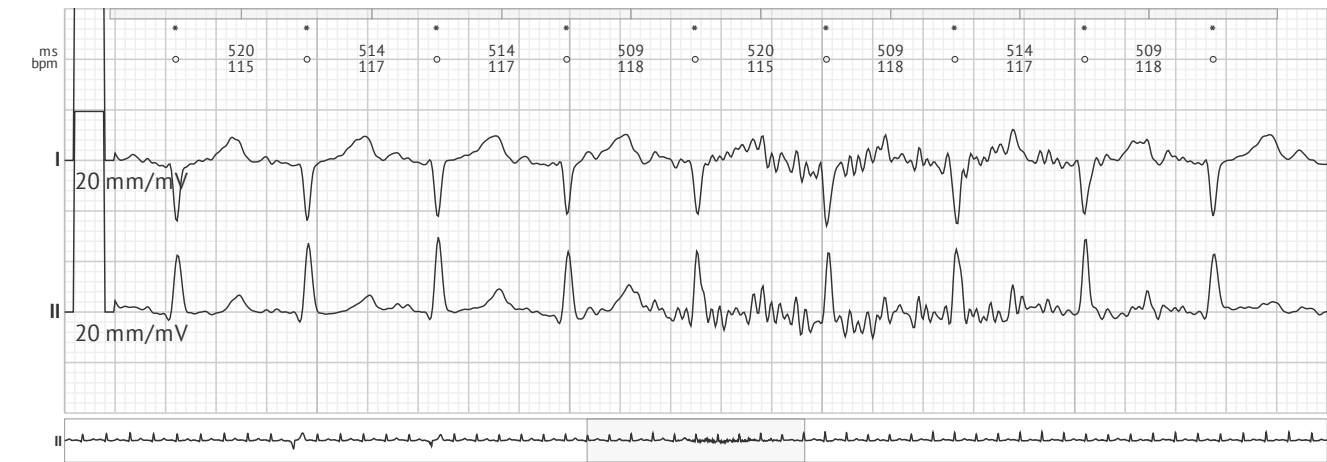
Label	Note	BPM	Time
Sinus BPM Max	-		15 Sep 01:21:56
Sinus BPM Min	-		16 Sep 04:32:57
Sinus Arrhythmia	-		13 Sep 14:50:08
First Degree AV Block	-		14 Sep 06:20:17
Ventricular Couplet	-		14 Sep 01:19:16
Ventrivular Interpolated Beat	-		13 Sep 21:25:11
Atrial Triplet	-		14 Sep 23:06:51
Nonsustained Paroxysmal Atrial Tachycardia	-		14 Sep 03:05:39
Nonsustained Paroxysmal Atrial Tachycardia	-		15 Sep 23:20:20
Nonsustained Automatic Atrial Tachycardia	-		15 Sep 23:21:04
First Degree AV Block	-		15 Sep 23:00:59
Atrial Premature Contraction	-		14 Sep 12:25:42
Ventricular Premature Contraction	-		14 Sep 20:01:41
Fusion Of Ventricular And Normal Beat	-		15 Sep 21:06:40

Strips

Sinus BPM Max

15 Sep 01:21:56

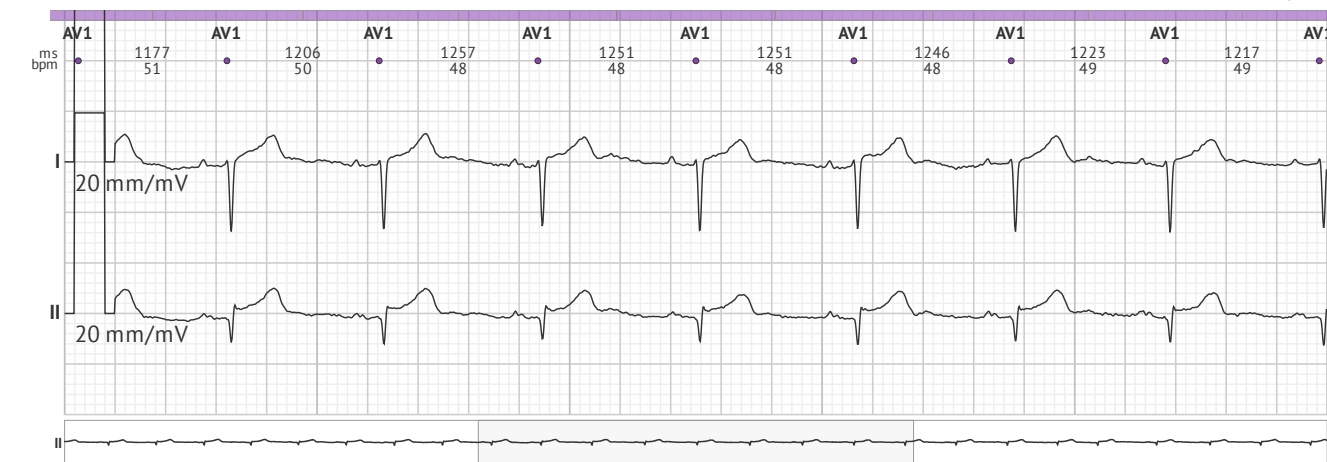
25 mm/s 117 BPM



Sinus BPM Min

16 Sep 04:32:57

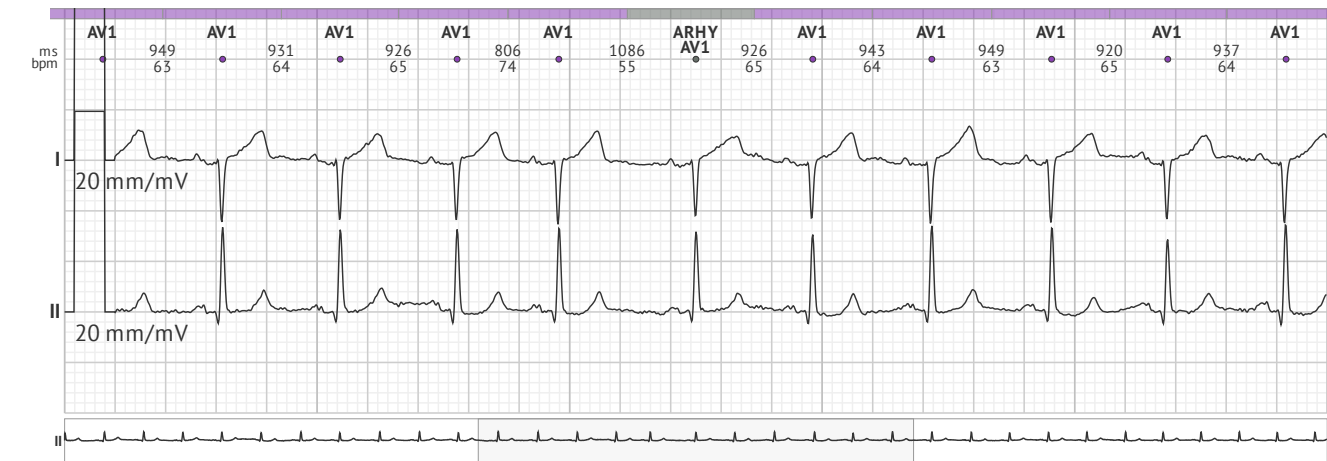
12.5 mm/s 49 BPM



Sinus Arrhythmia

13 Sep 14:50:08

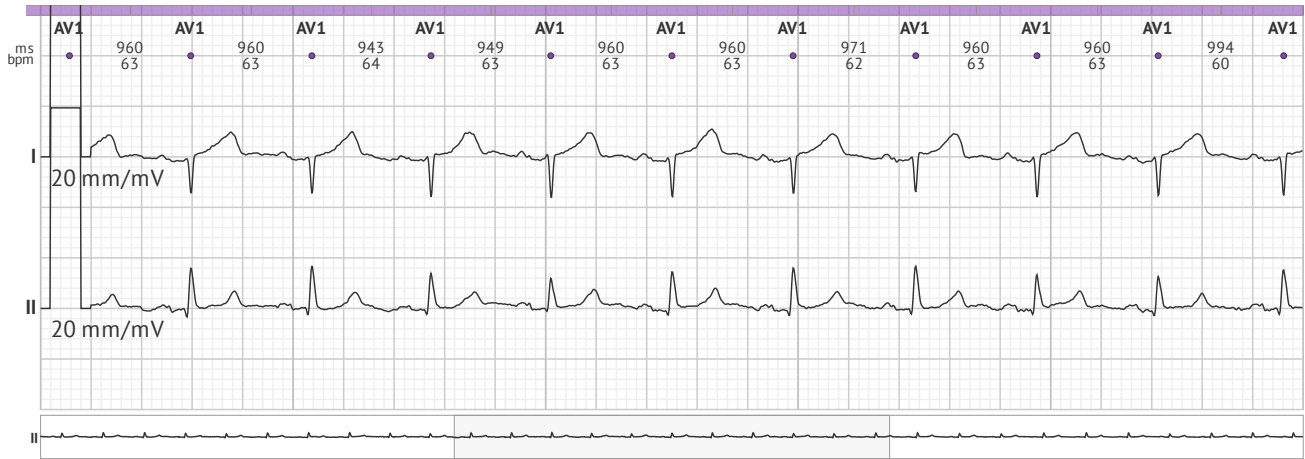
12.5 mm/s 64 BPM



First Degree AV Block

14 Sep 06:20:17

12.5 mm/s 62 BPM



Ventricular Couplet

14 Sep 01:19:16

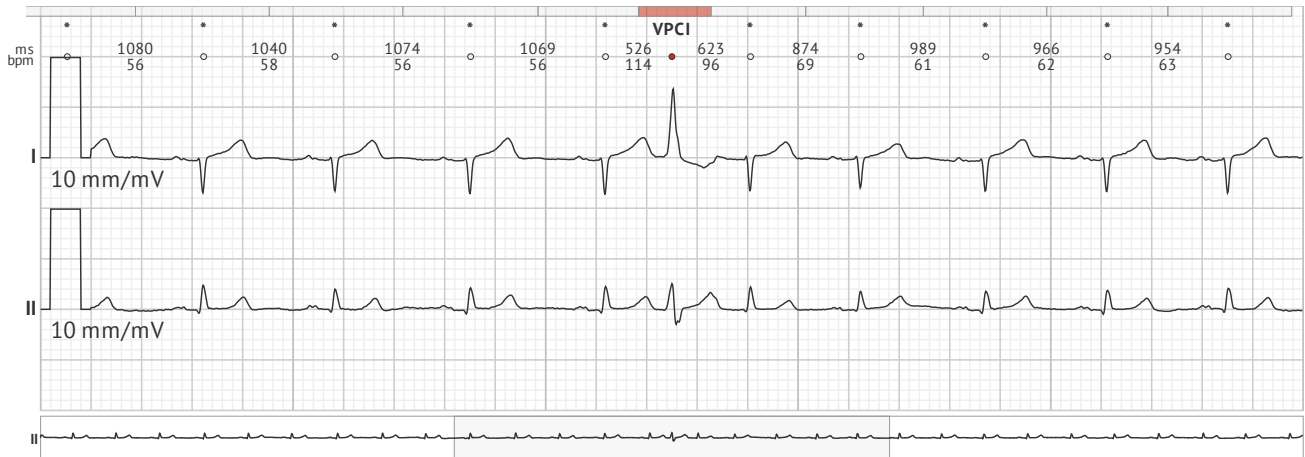
12.5 mm/s 76 BPM



Ventricular Interpolated Beat

13 Sep 21:25:11

12.5 mm/s 64 BPM



1

12.5 mm/s 88 BPM



—

12.5 mm/s 82 BPM



—

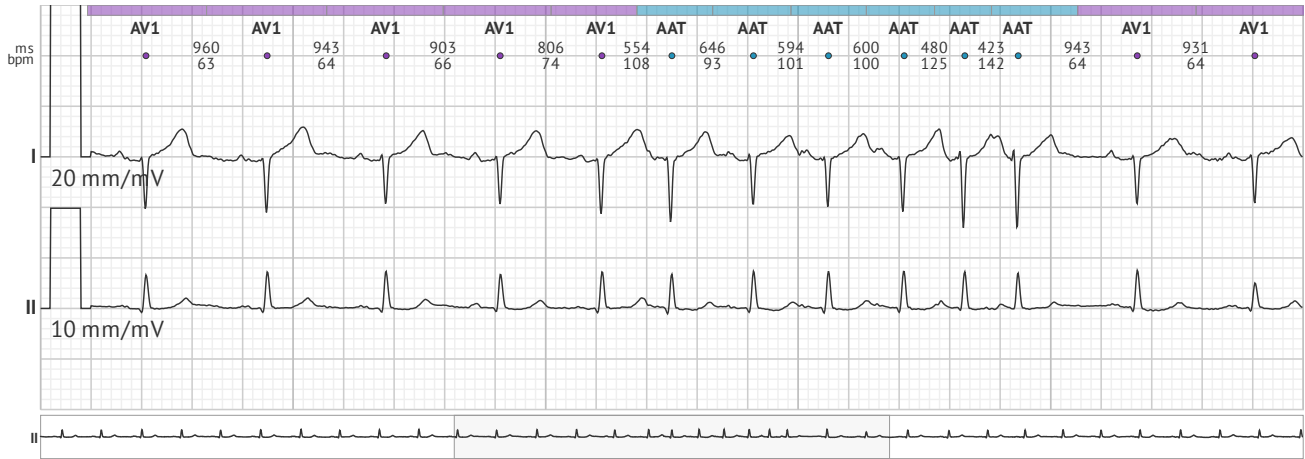
12.5 mm/s 77 BPM



Nonsustained Automatic Atrial Tachycardia

15 Sep 23:21:04

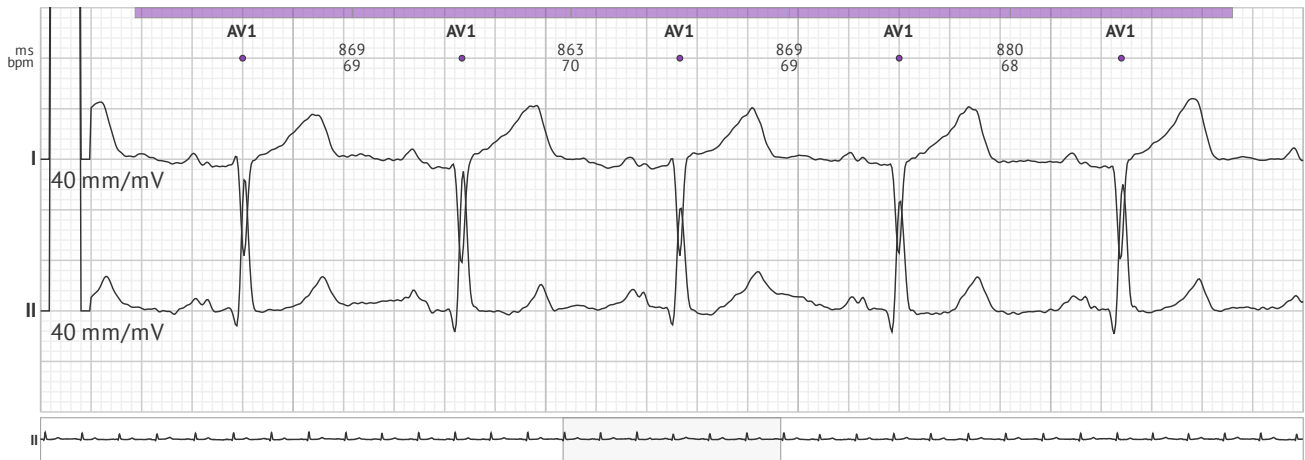
12.5 mm/s 80 BPM



First Degree AV Block

15 Sep 23:00:59

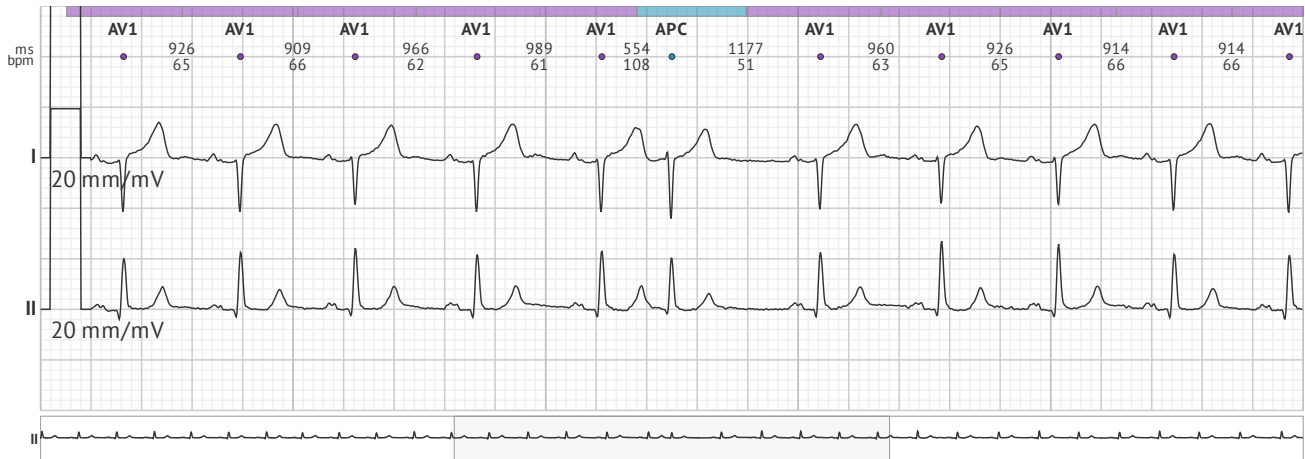
25 mm/s 69 BPM



Atrial Premature Contraction

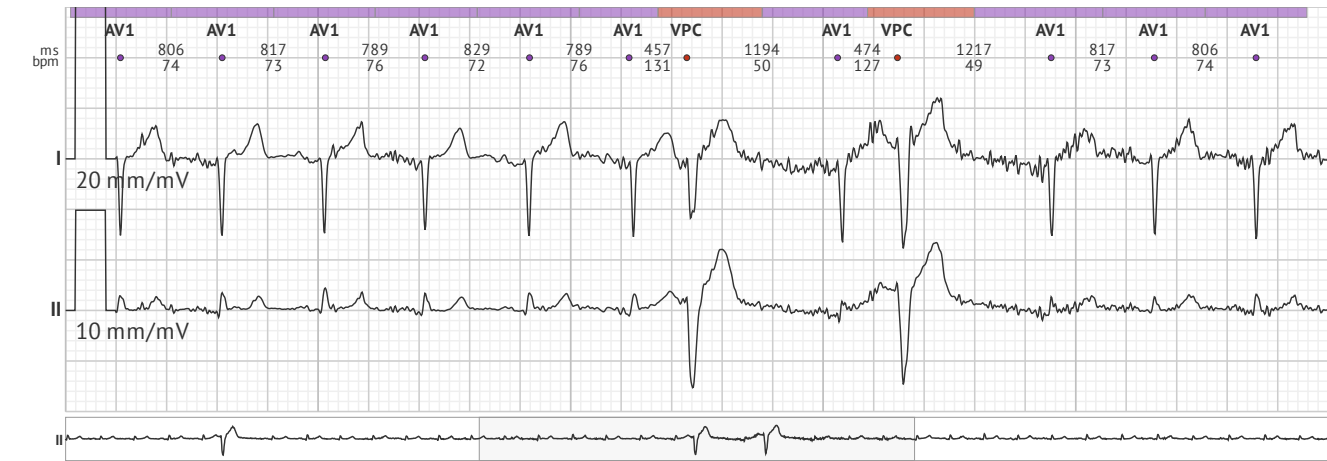
14 Sep 12:25:42

12.5 mm/s 65 BPM



Ventricular Premature Contraction

14 Sep 20:01:41
12.5 mm/s 74 BPM



Fusion Of Ventricular And Normal Beat

15 Sep 21:06:40
12.5 mm/s 56 BPM

