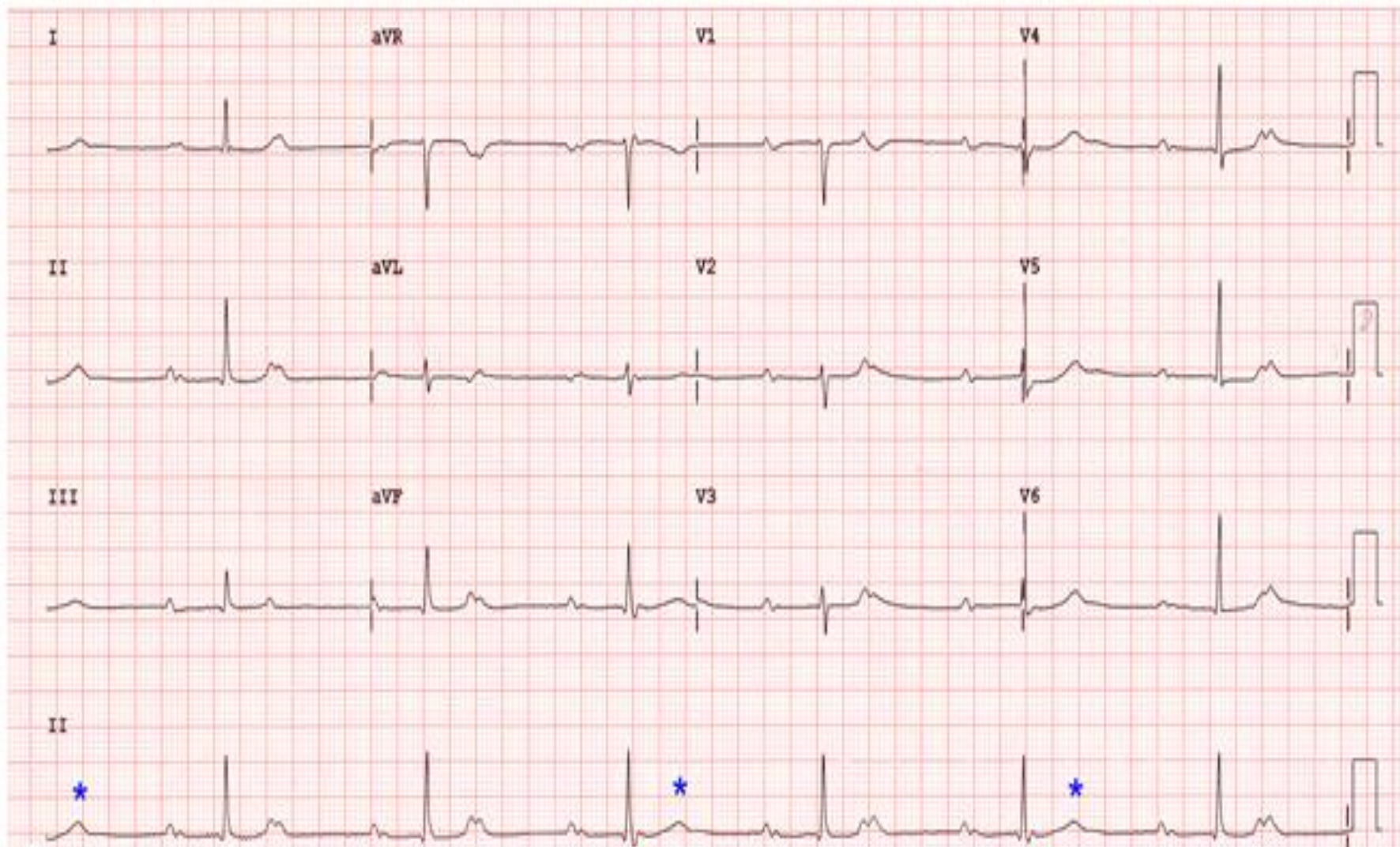


Kursusdeltagere EKG cases

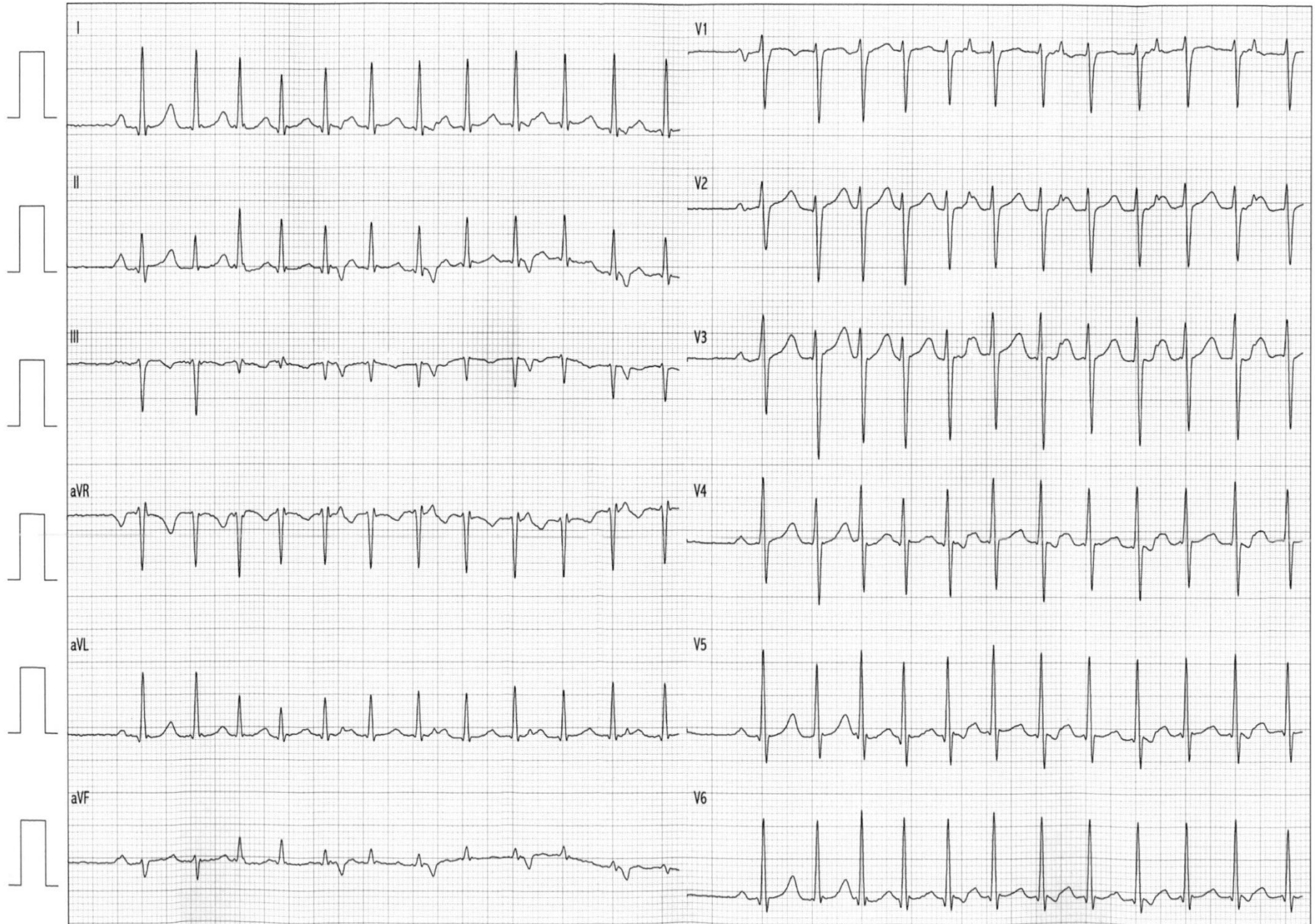
DCS' Arytmikursus 2024

Sandbjerg, 6. – 7. juni 2024

Case 1



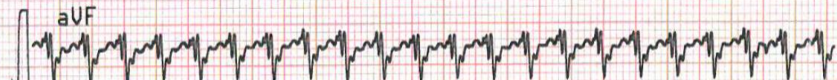
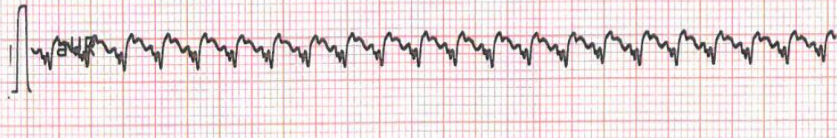
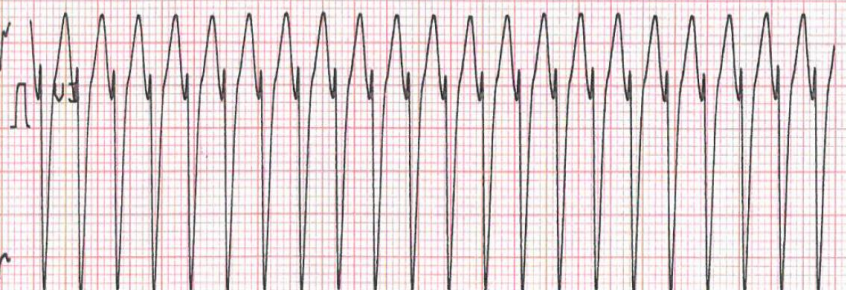
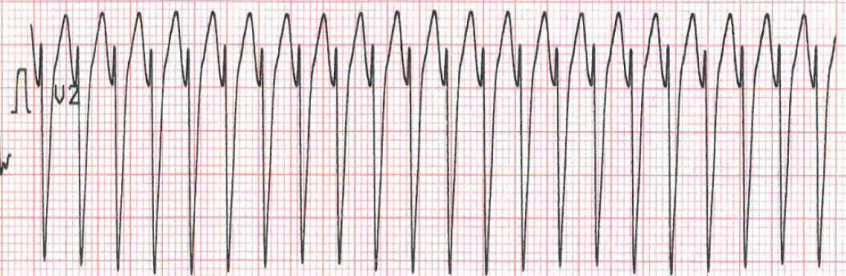
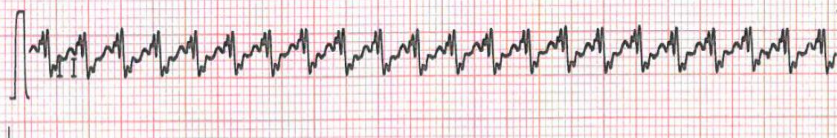
Case 2



Case 3

10 mm/mV

5 mm/mV



Case 4

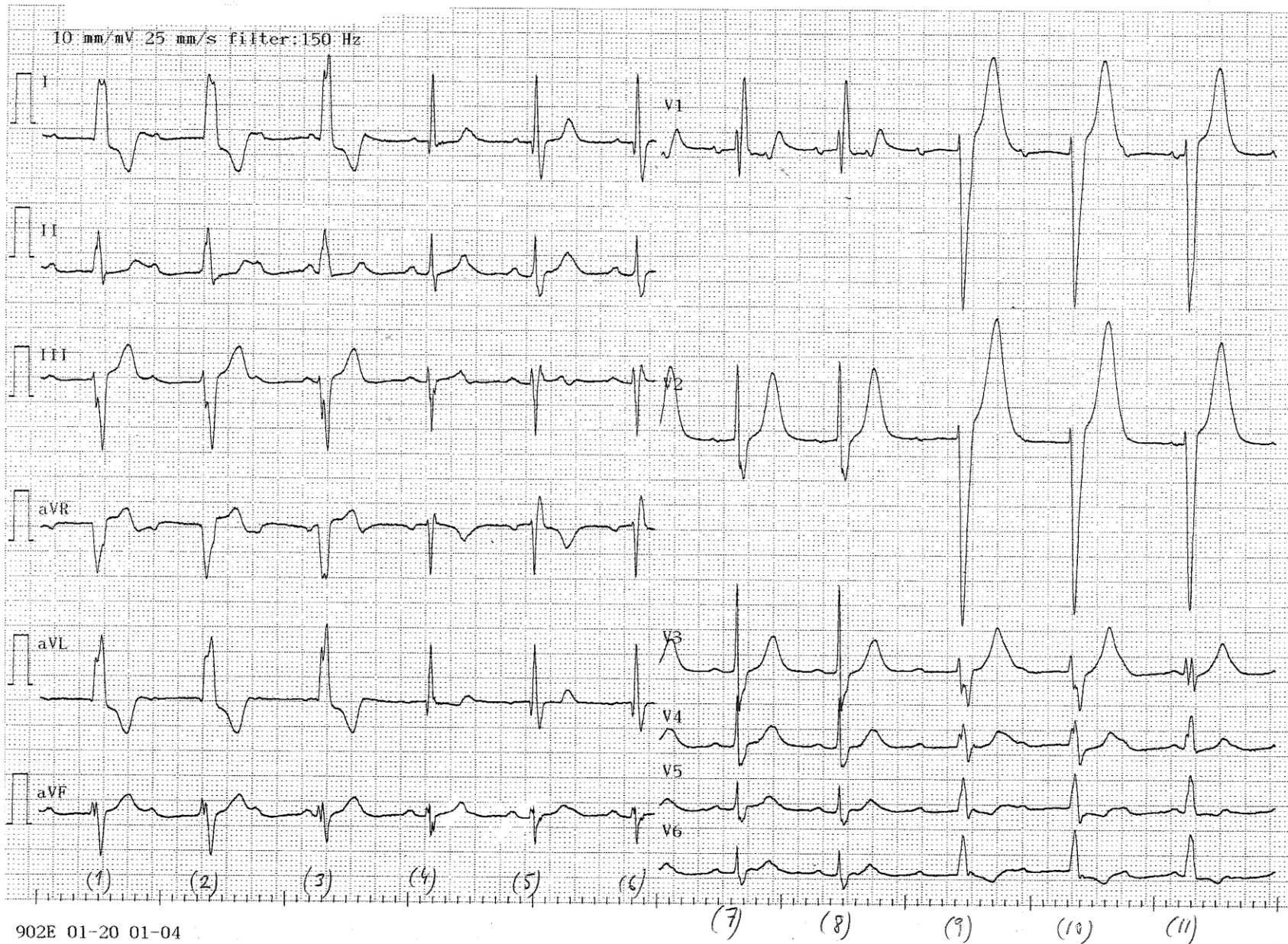
10 mm/mV 25 mm/s Filter: H50 d 100 Hz

10 mm/mV



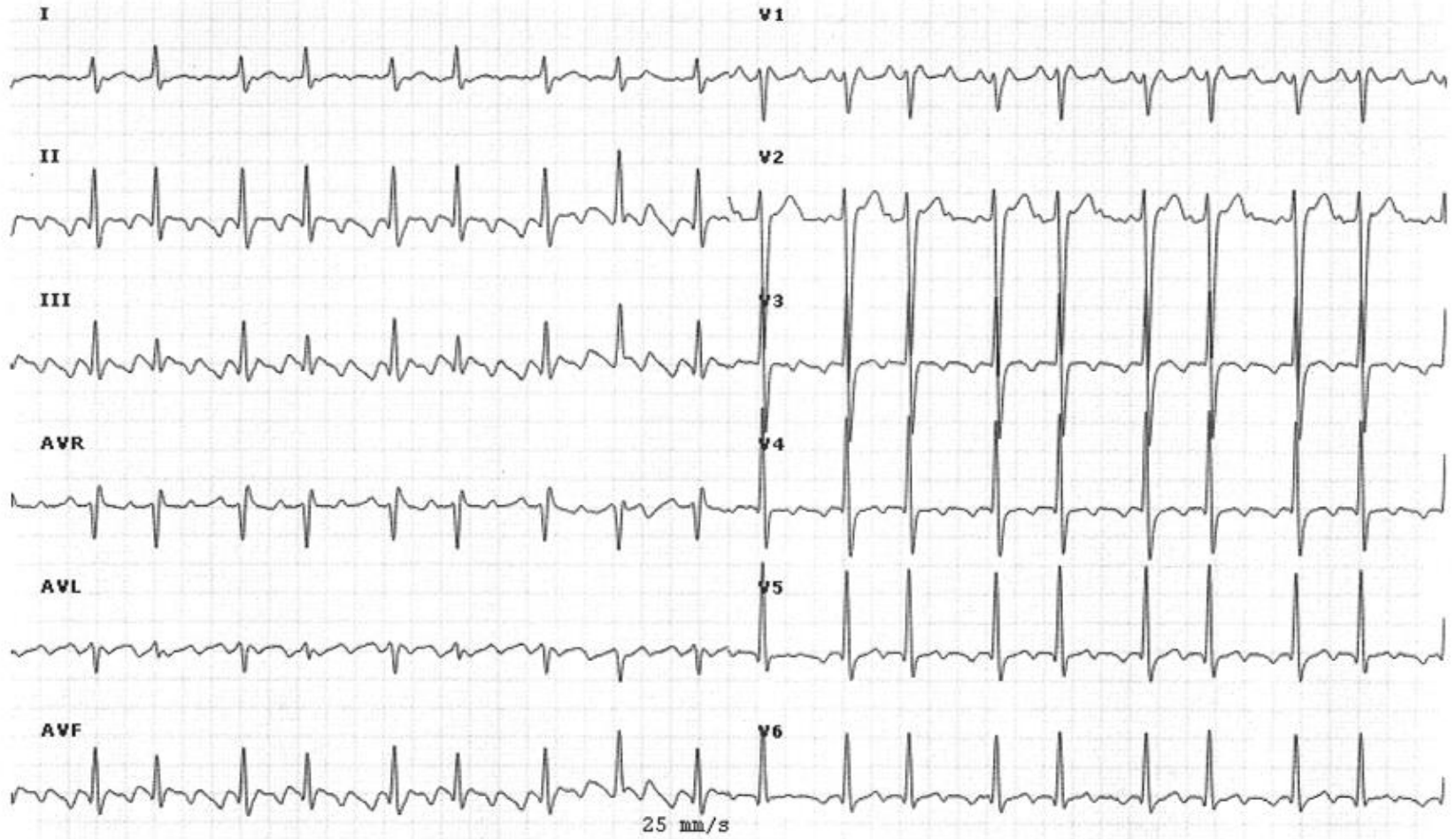
Case 5

5.



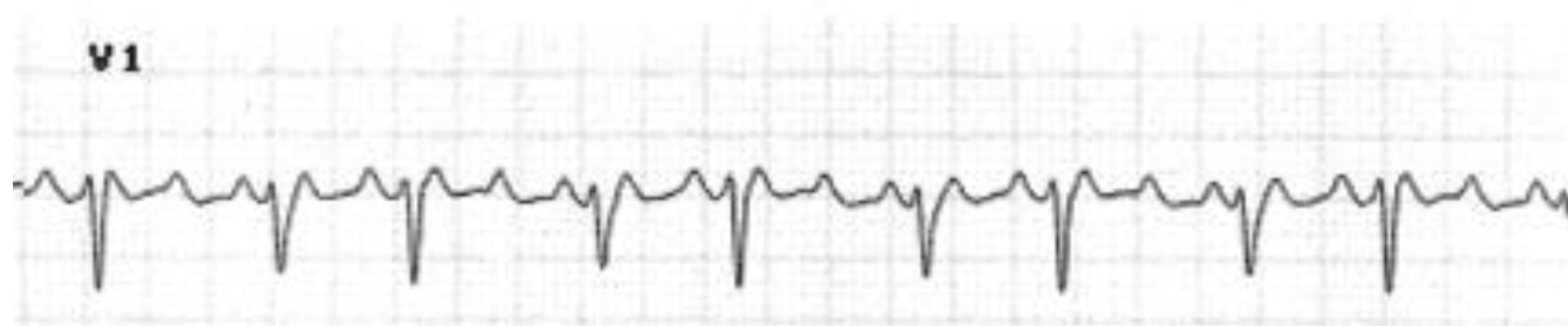
Case 6

6a.



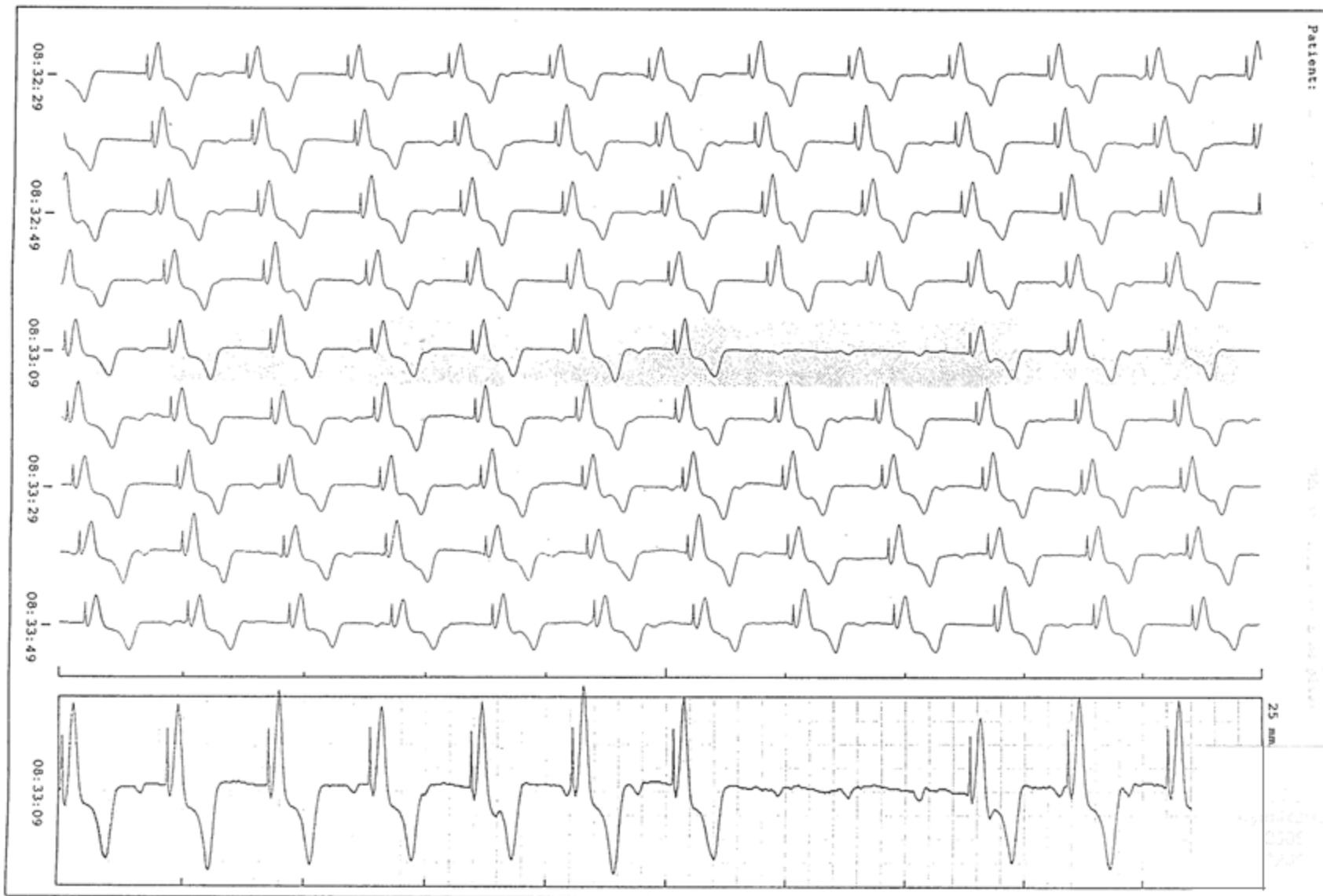


6b.



Case 7

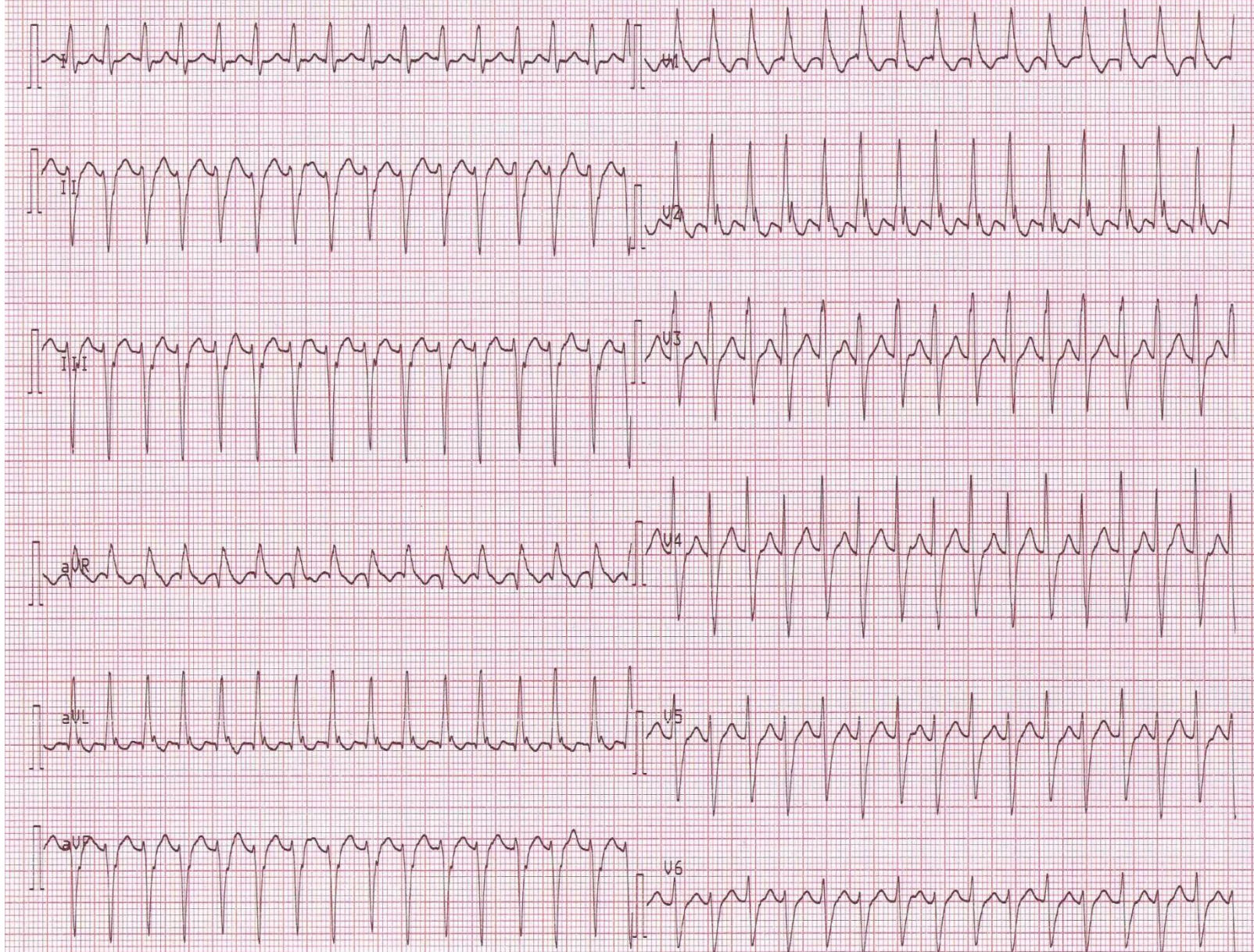
CASE 7



Case 8

10 mm/mV

10 mm/mV



25 mm/s

F50 SSF SBS 5a 01-AUG-09 11:36:08 Skejby Sygehus Afd.B1

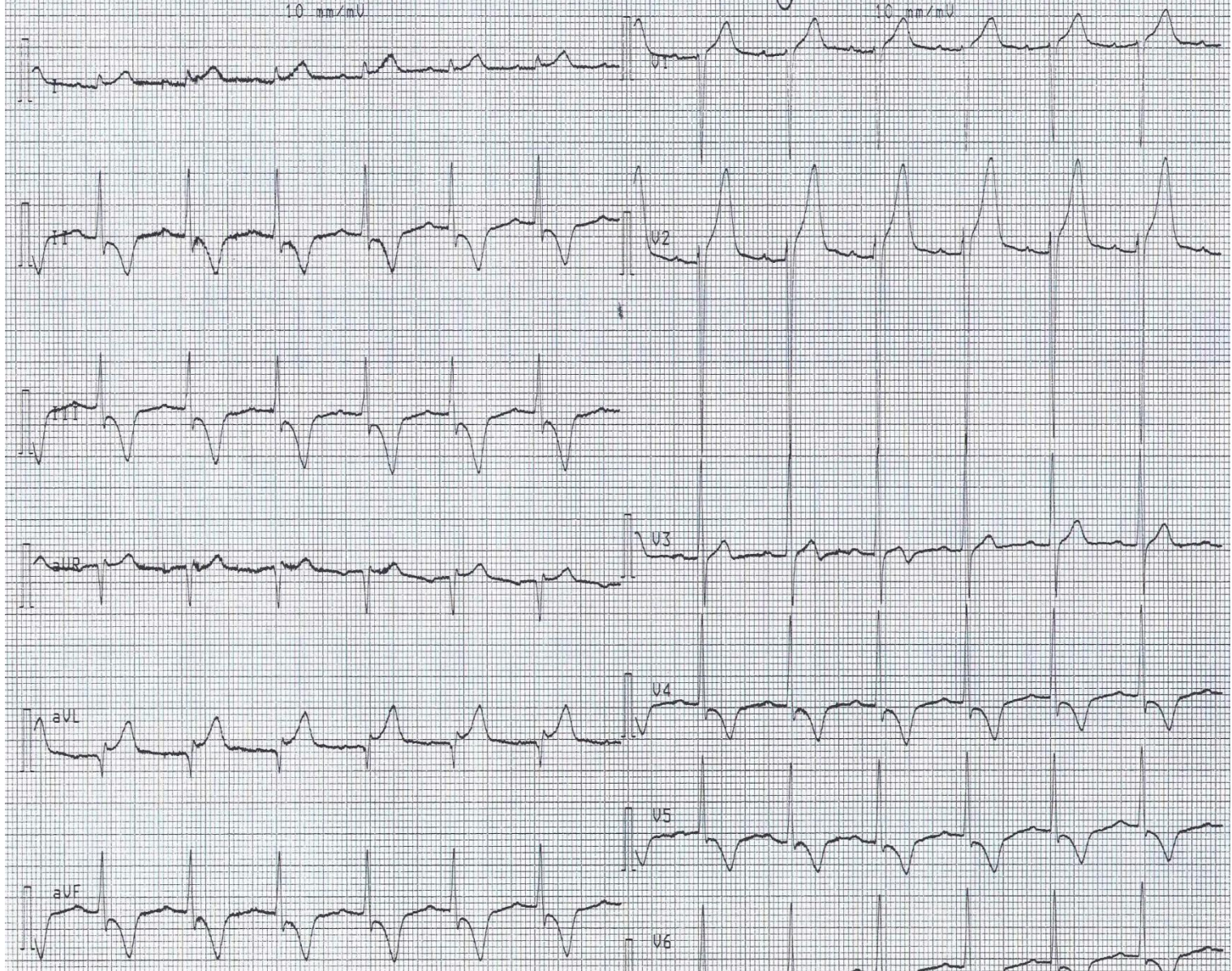
AT-2plus 3.01 C

QT 362 ms R (V5) 1.28 mV
QTc 416 ms Sokol. 4.37 mV

After 7.5 mg Verapoc

10 mm/mV

10 mm/mV



25 mm/s

F50

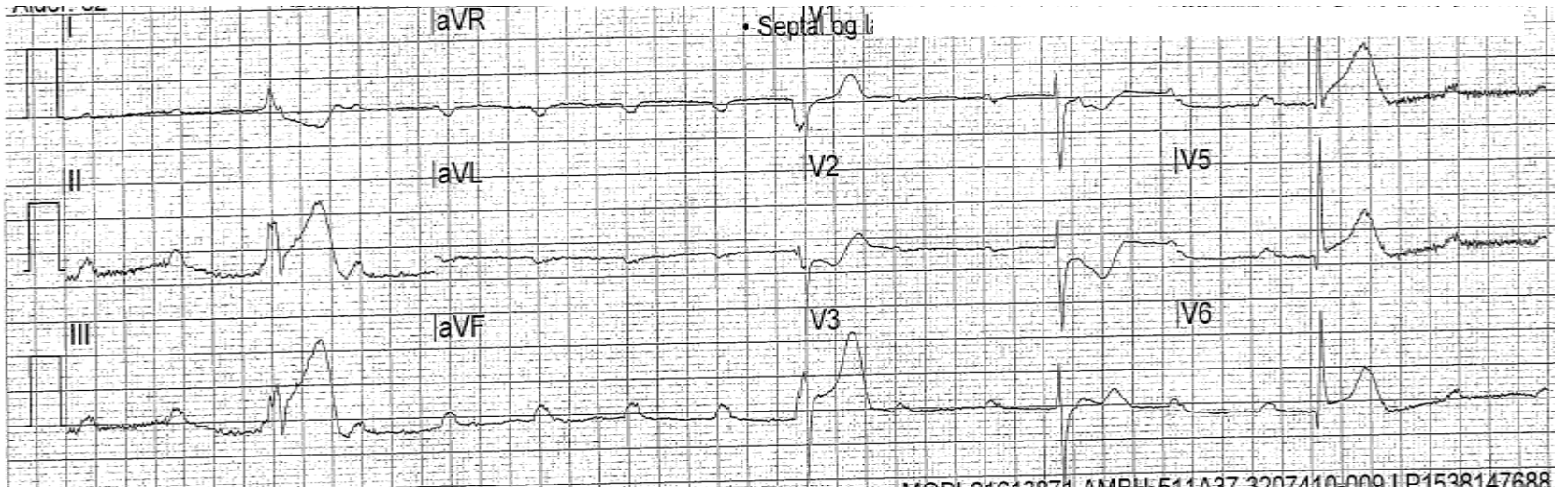
Sa 01 AUG 09 18:24:23

SKR by Sygarius Rfd. B

AT-Vplus C 1.23

Case 10

4.

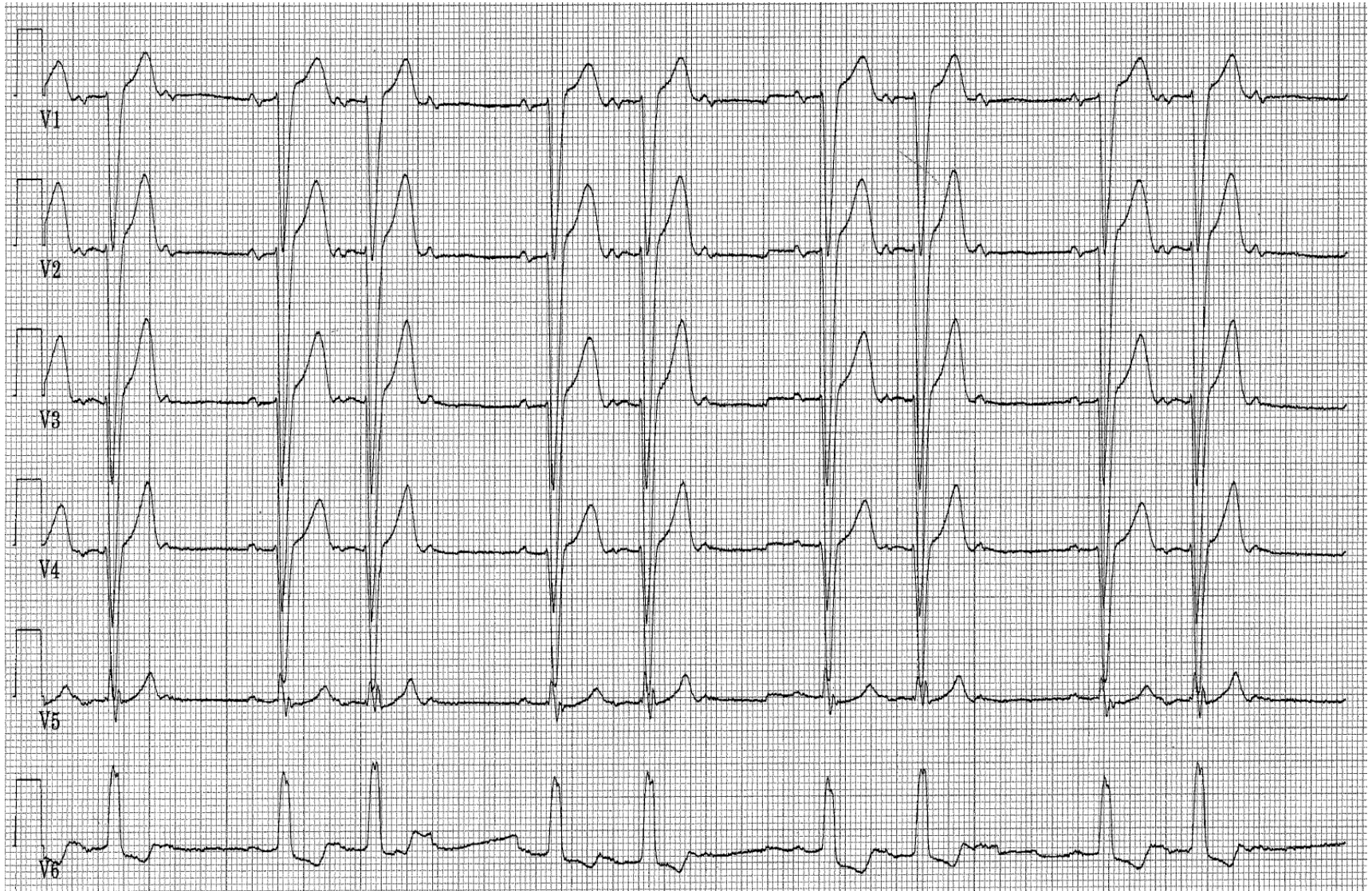


Case 11

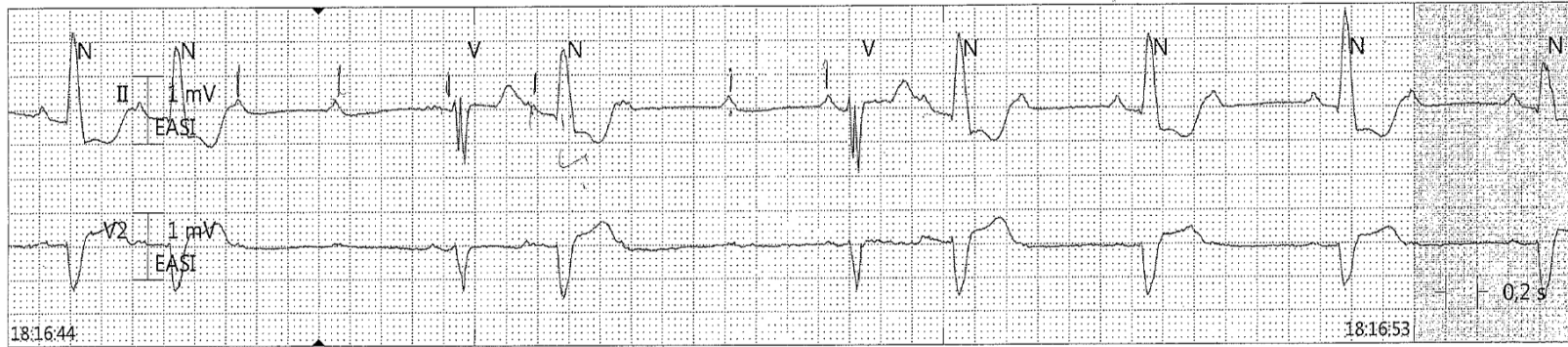
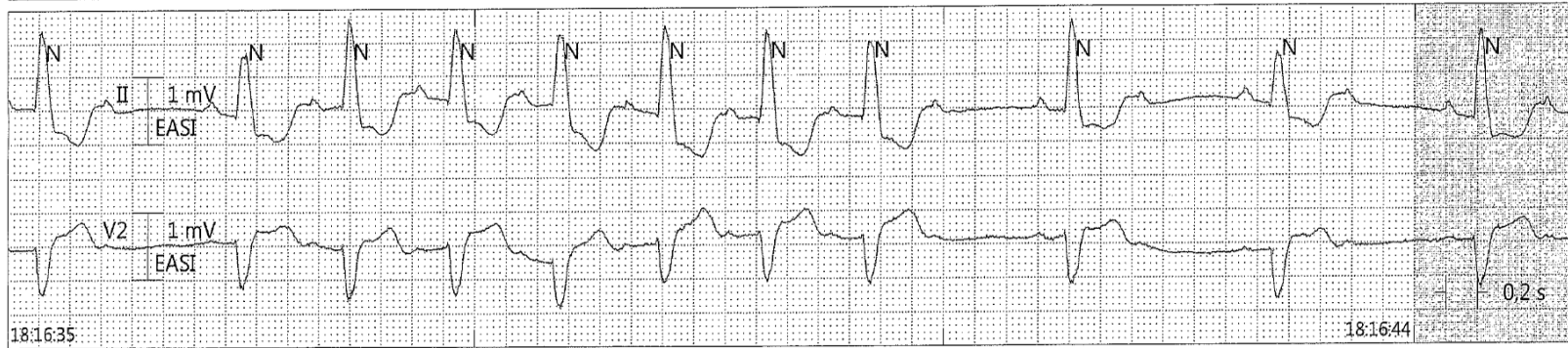
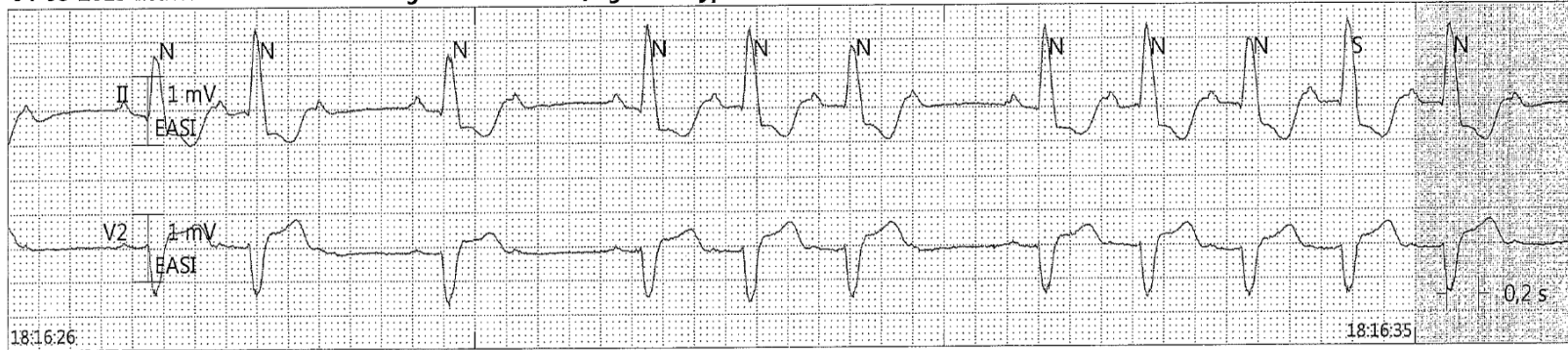
11.



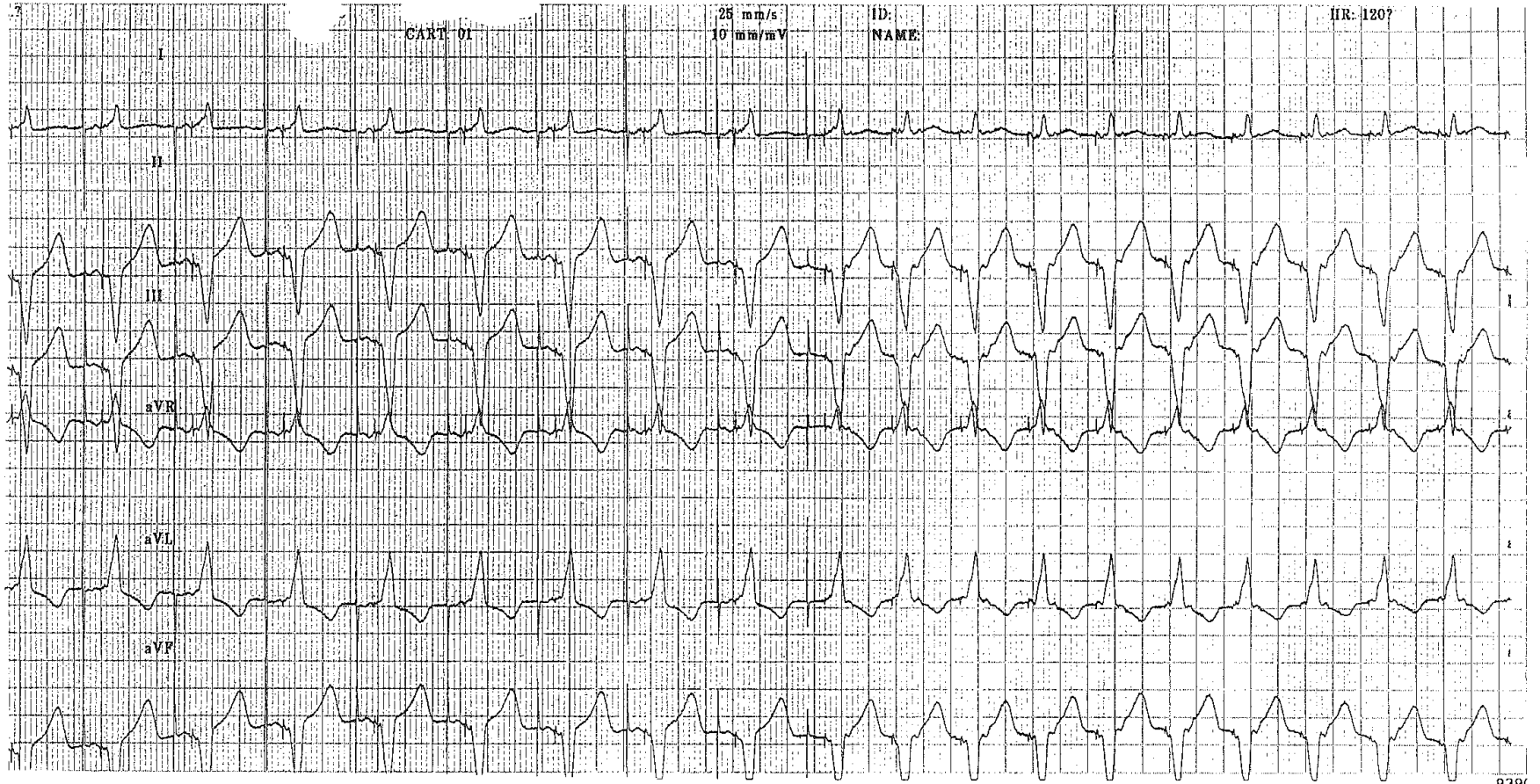
11.

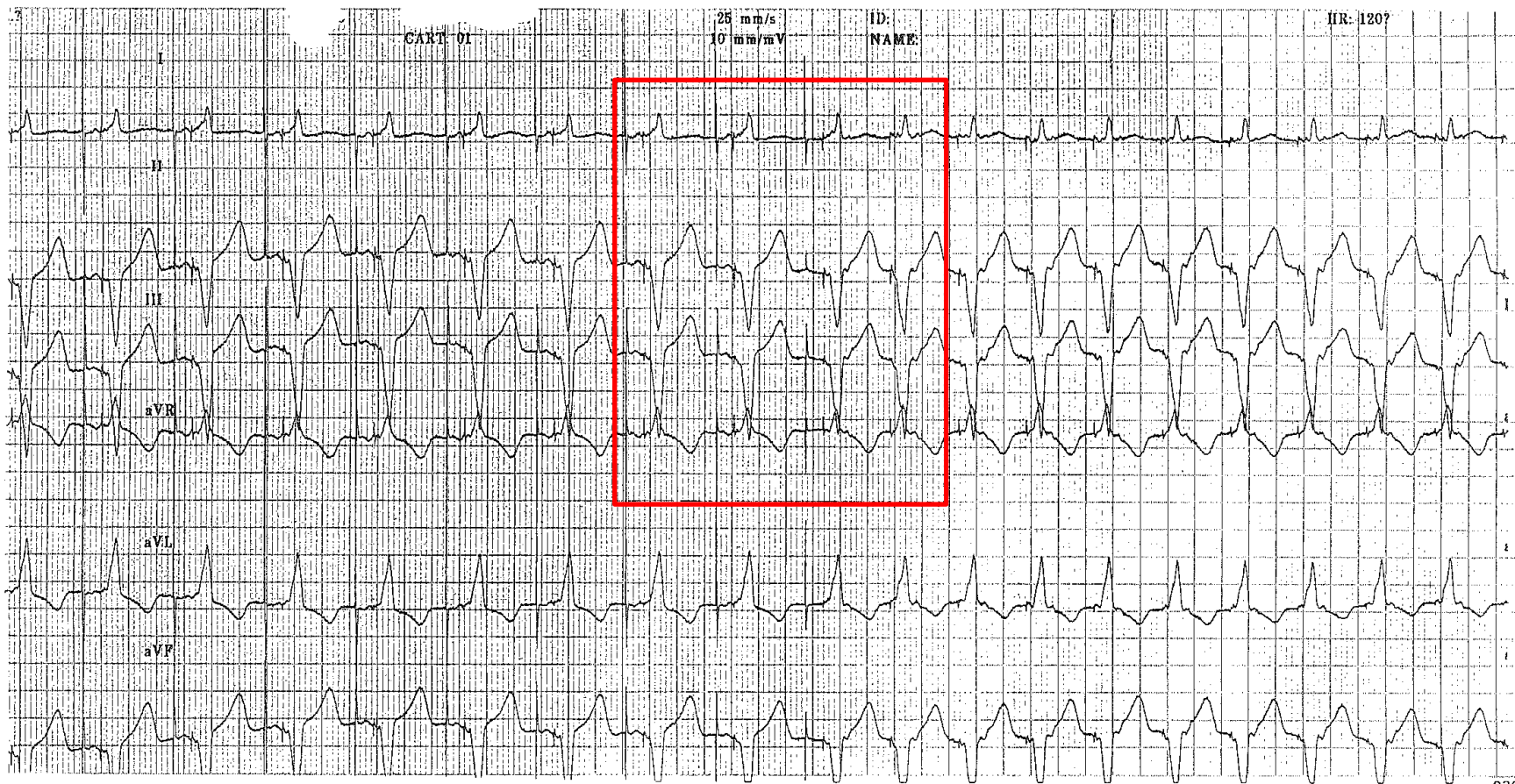


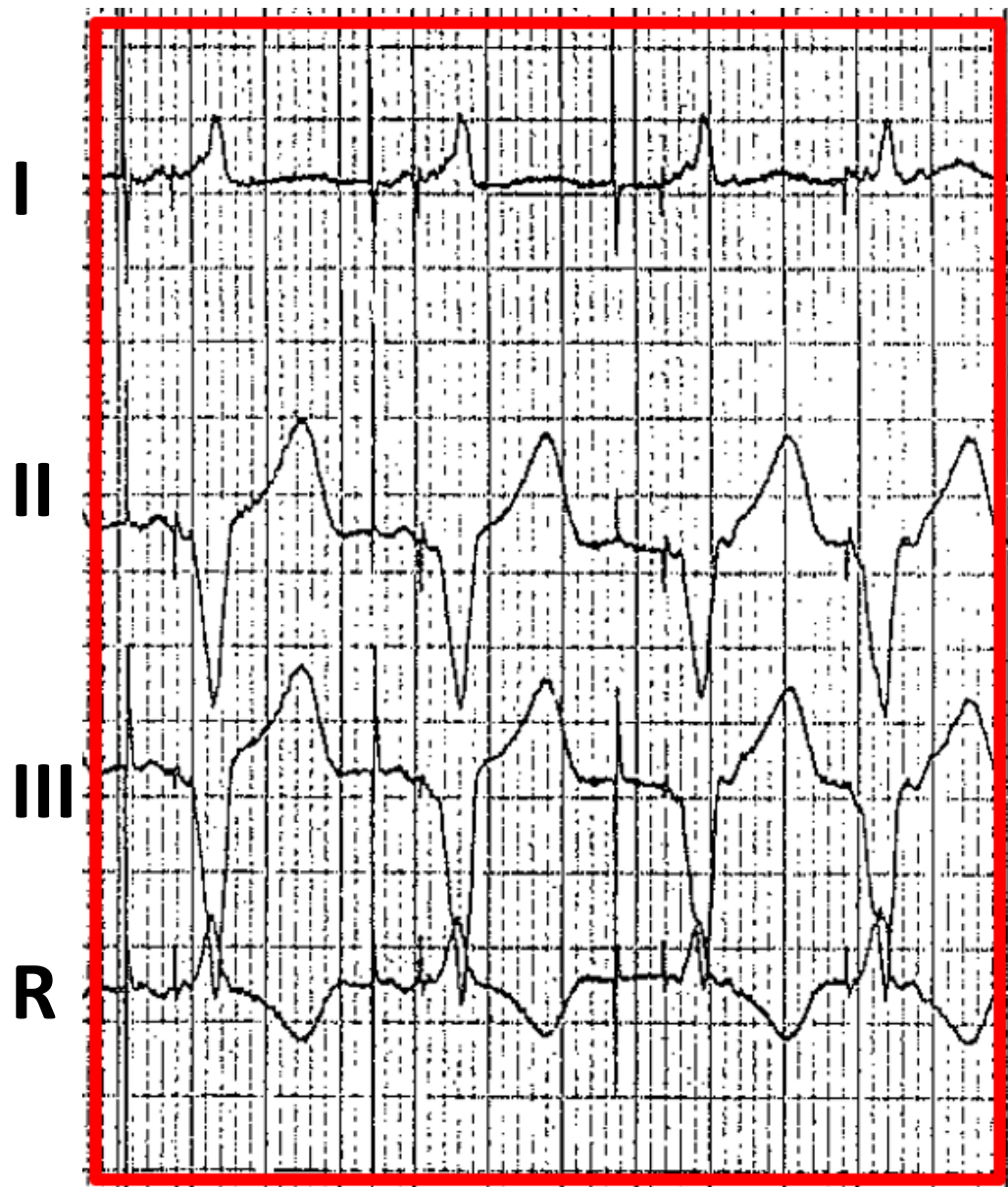
11.



Case 12

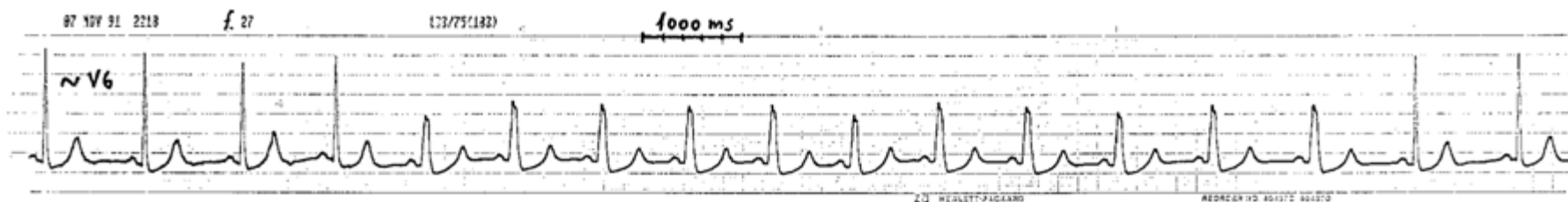






Case 13

CASE 13



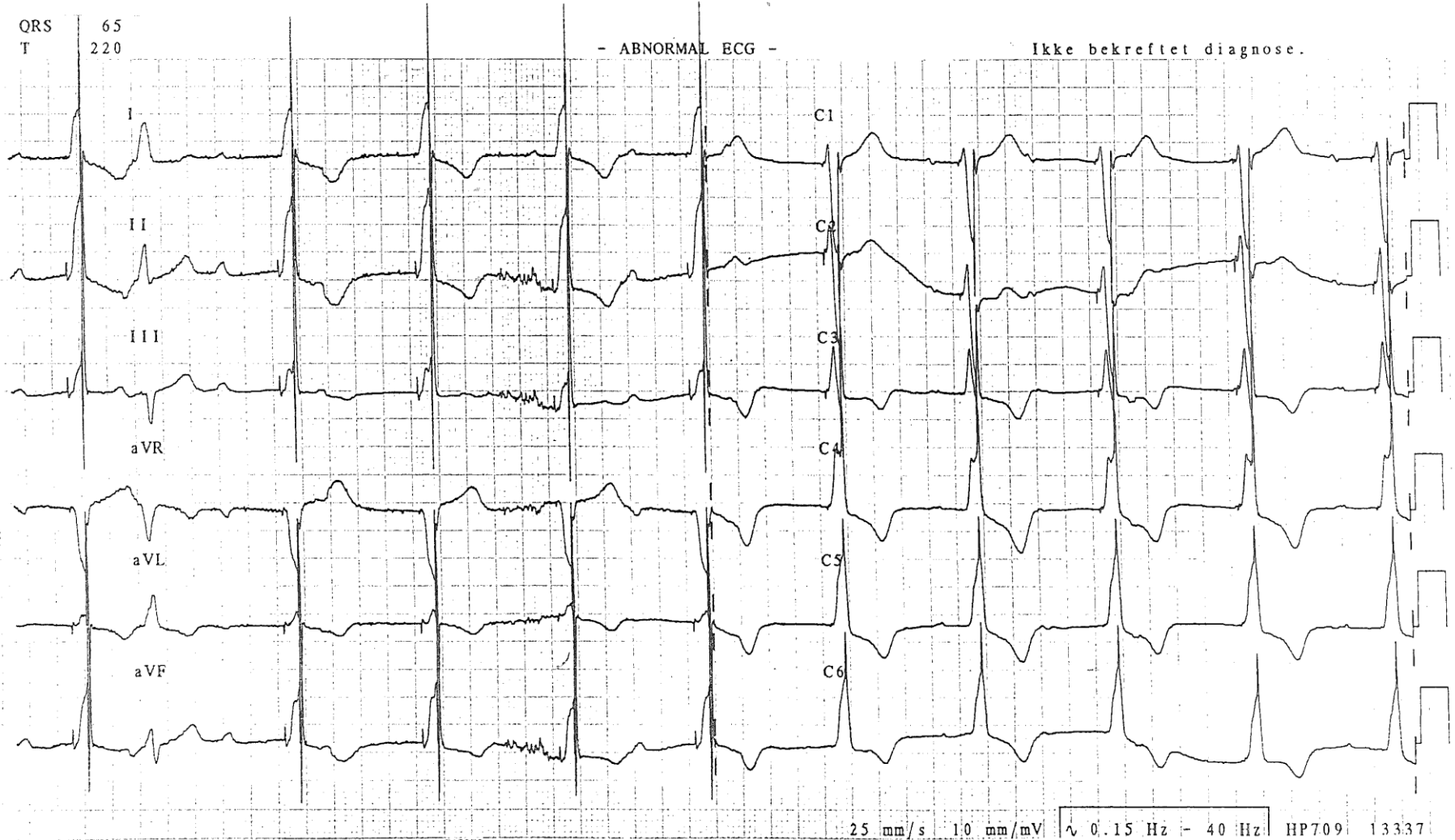
Case 14

CASE 14

QRS 65
T 220

- ABNORMAL ECG -

Ikke bekreftet diagnose.

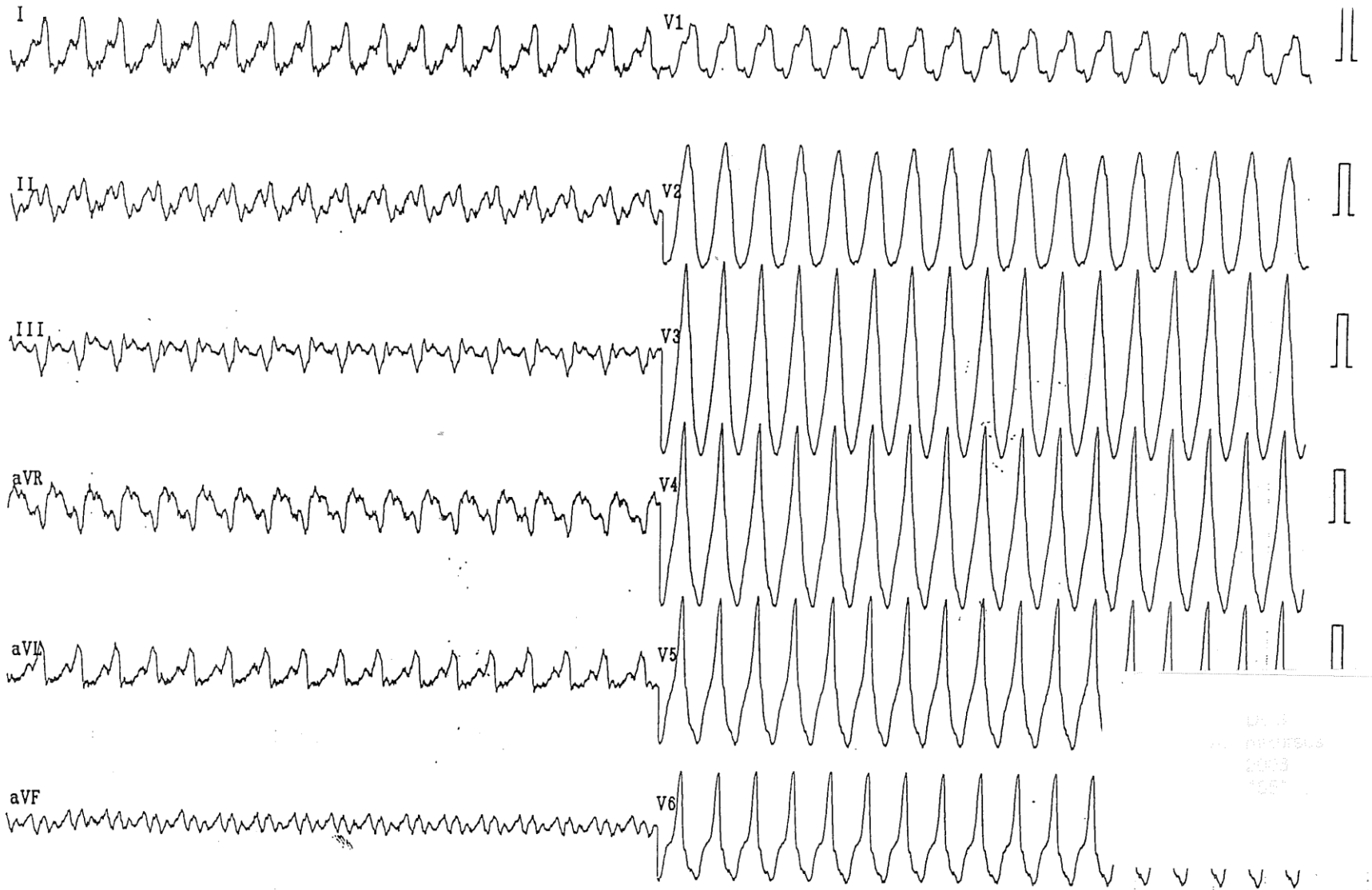


25 mm/s 1.0 mm/mV 0.15 Hz - 40 Hz HP709 13337

Case 15

CASE 15

200 bpm



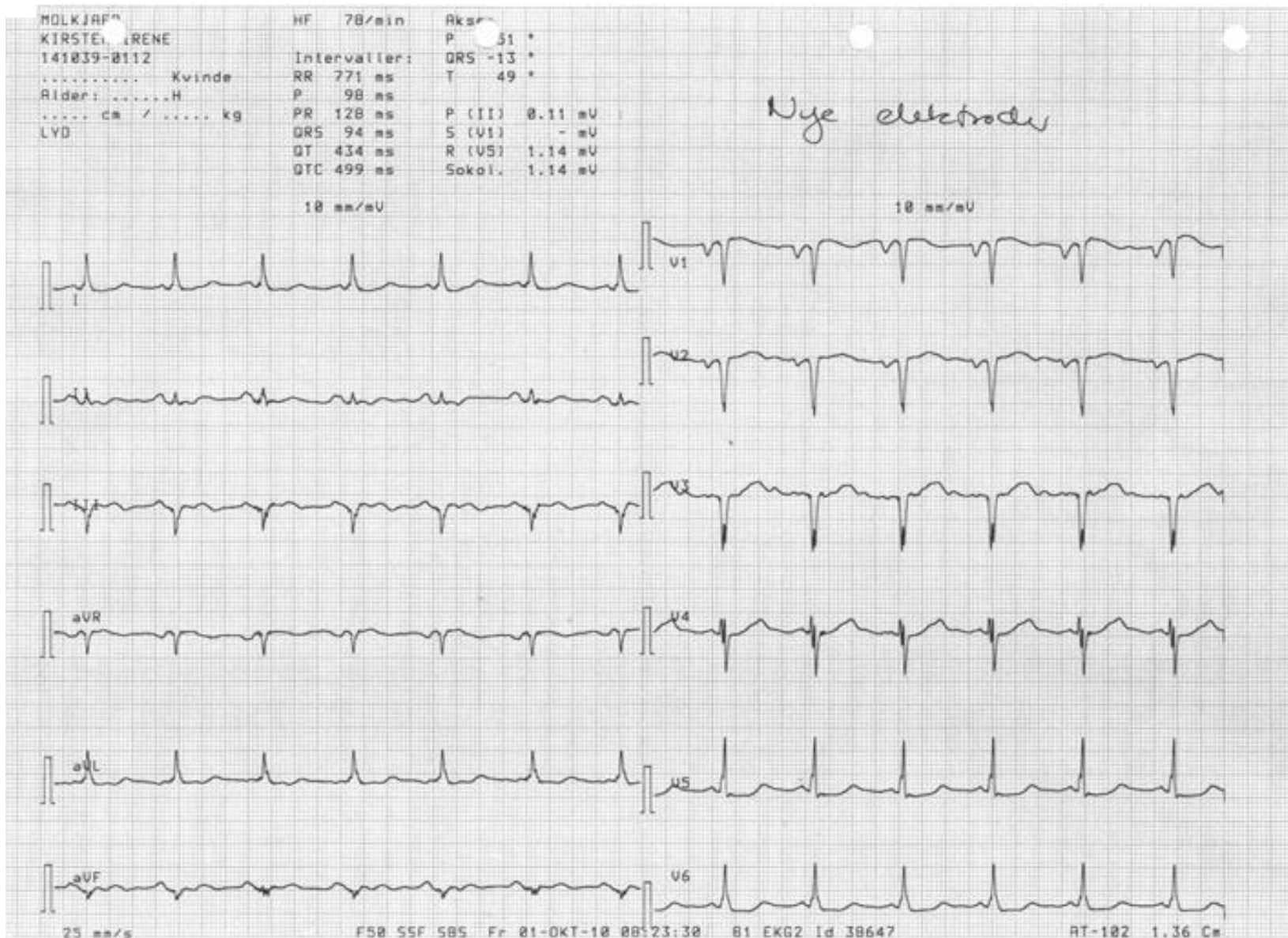
0013
0017503
2013
1051

Case 16

CASE 16a

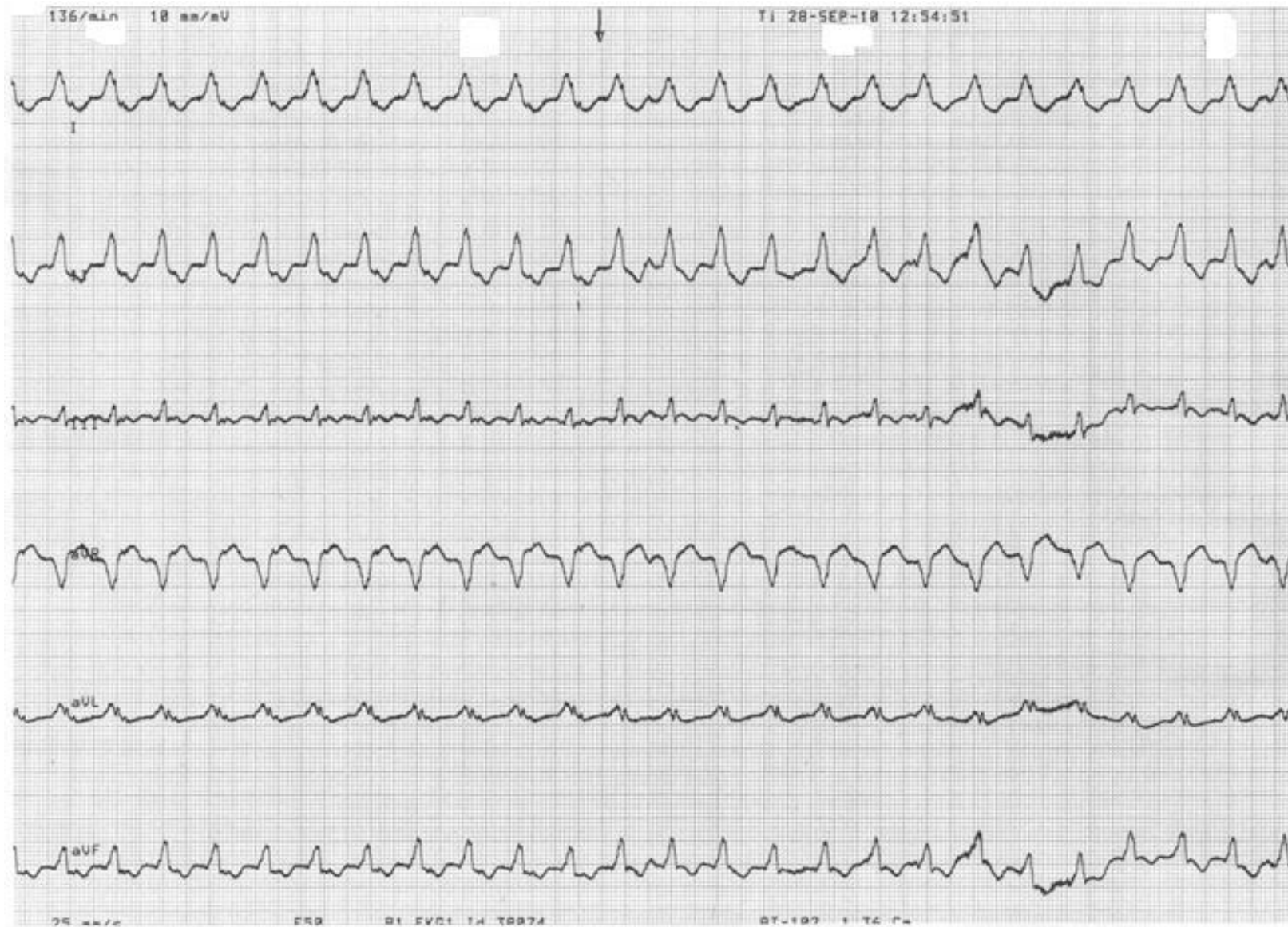


CASE 16b



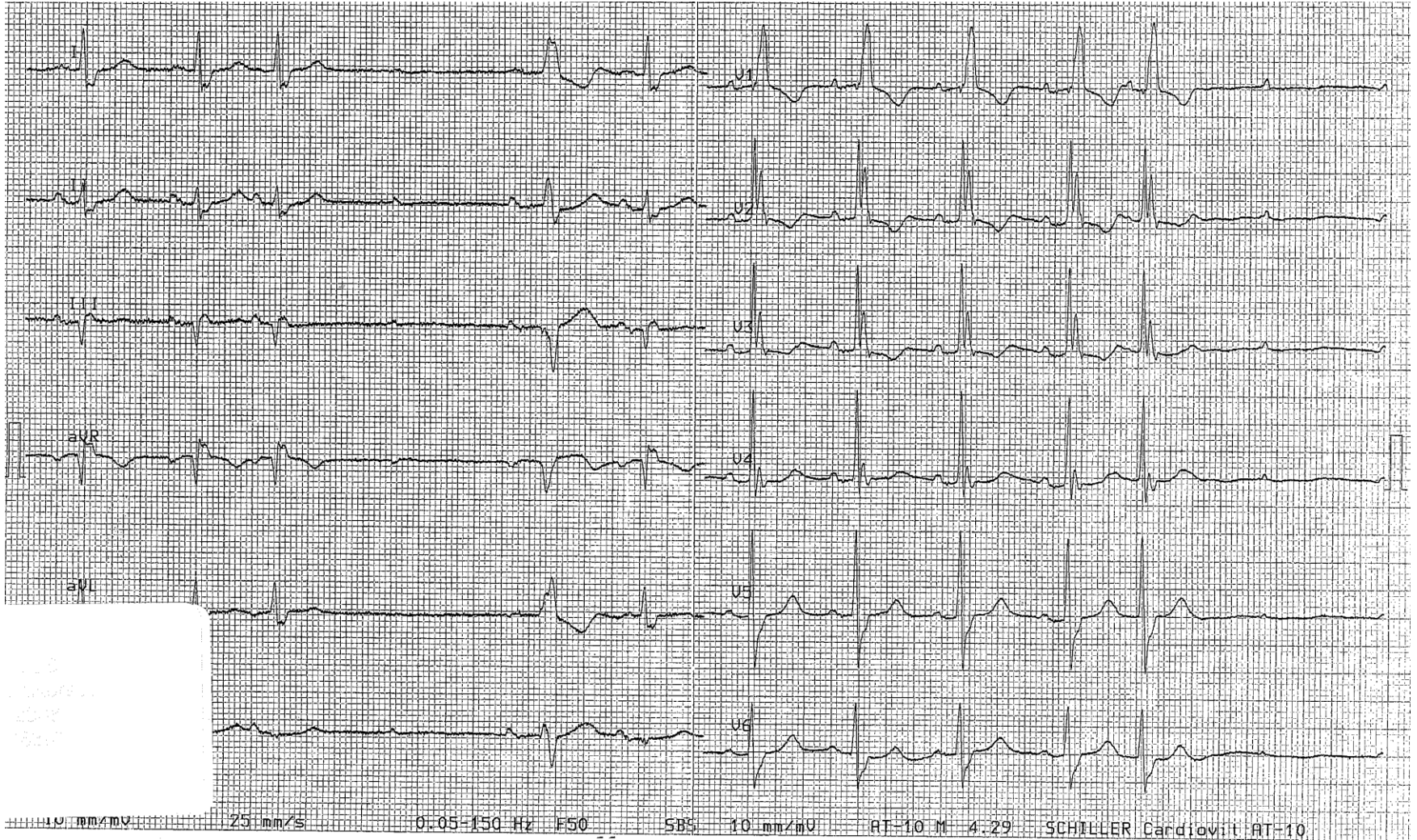
CASE 16c

Adenosin

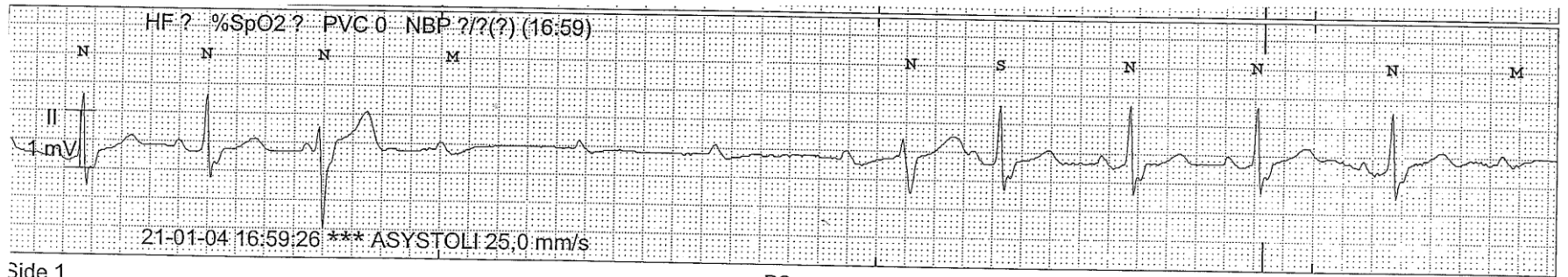


Case 18

CASE 18a



CASE 18b

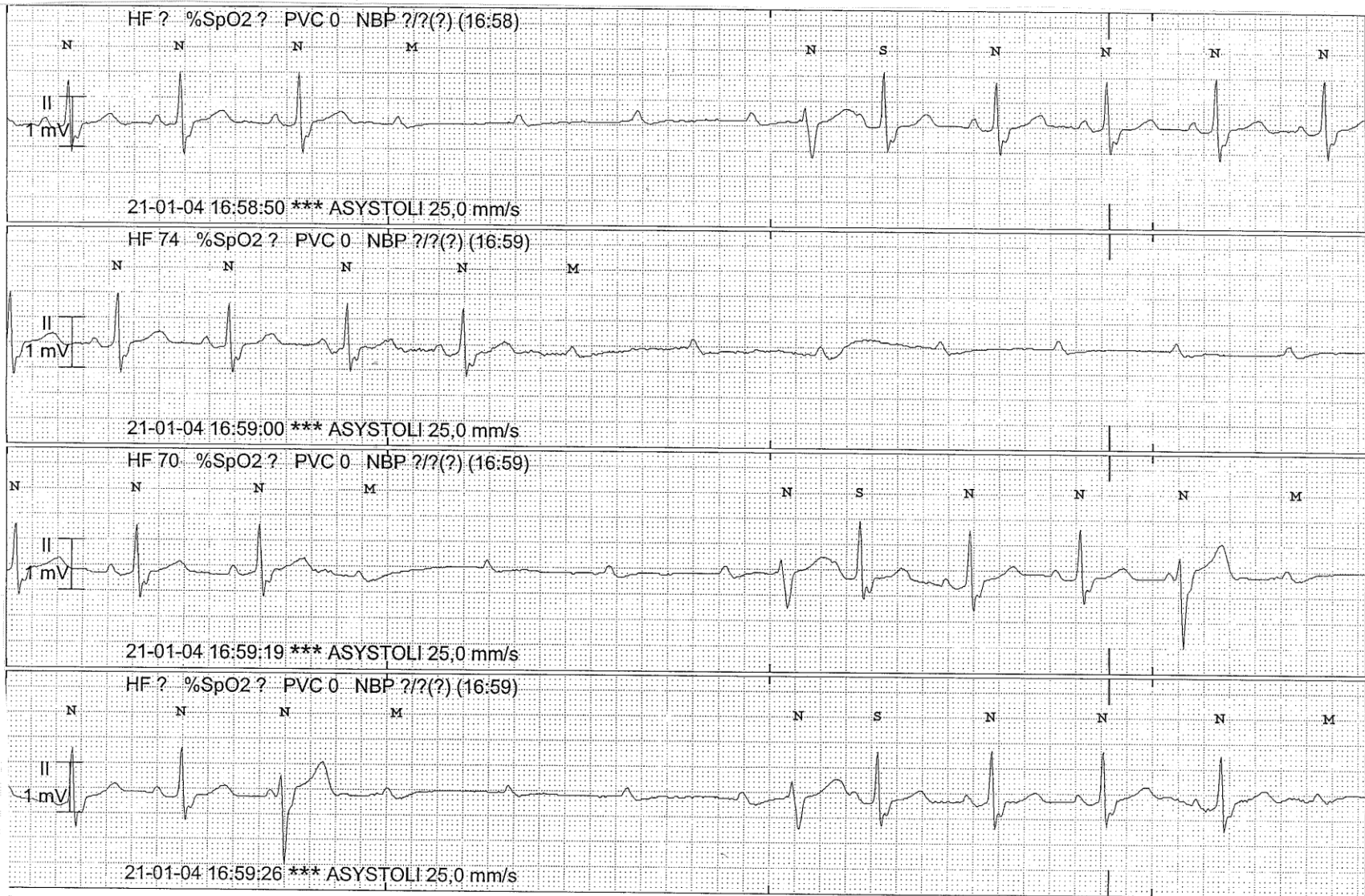


Side 1

B2

Slagelse Sygehus

CASE 18c

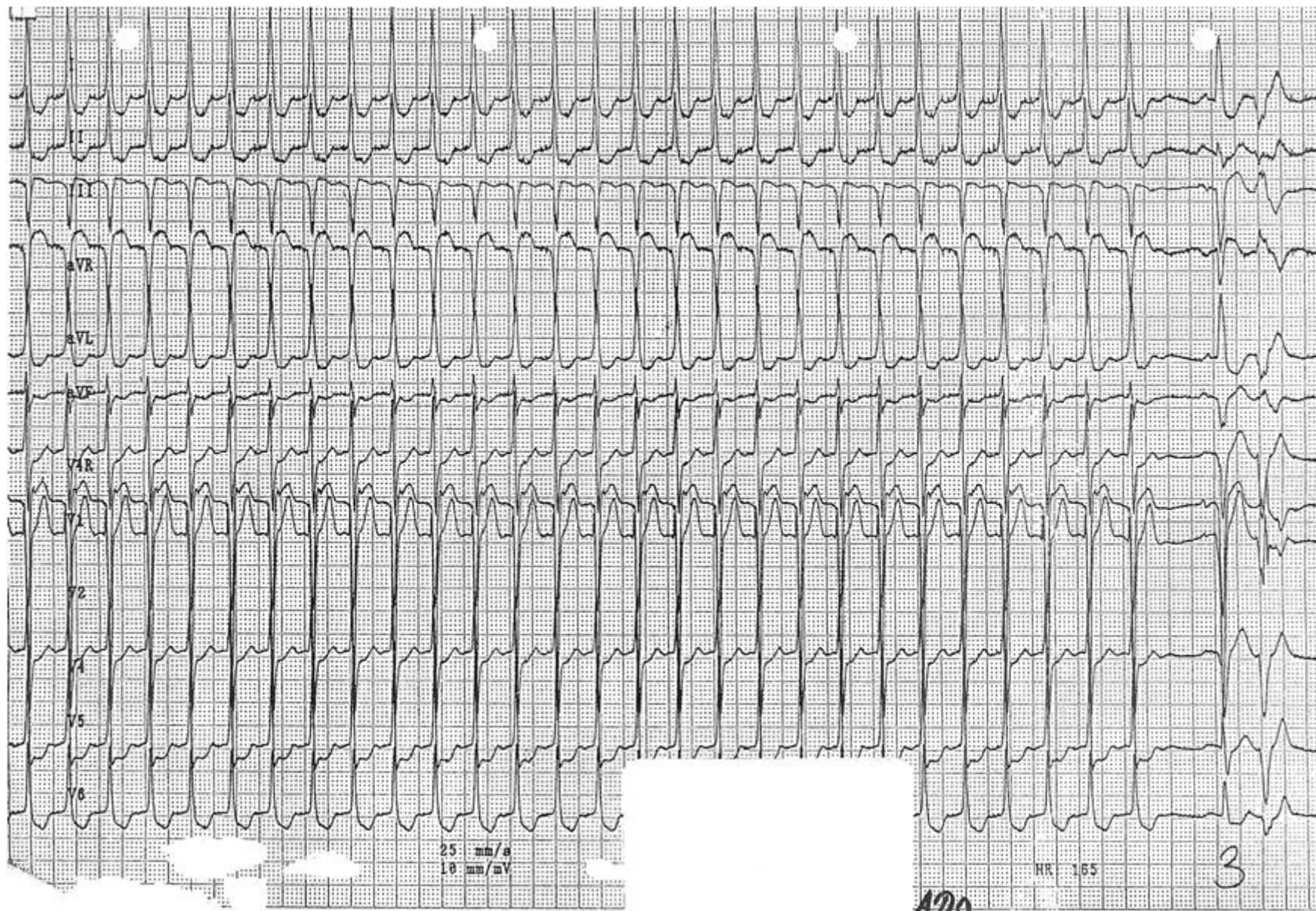


Case 19

CASE 19a



CASE 19b

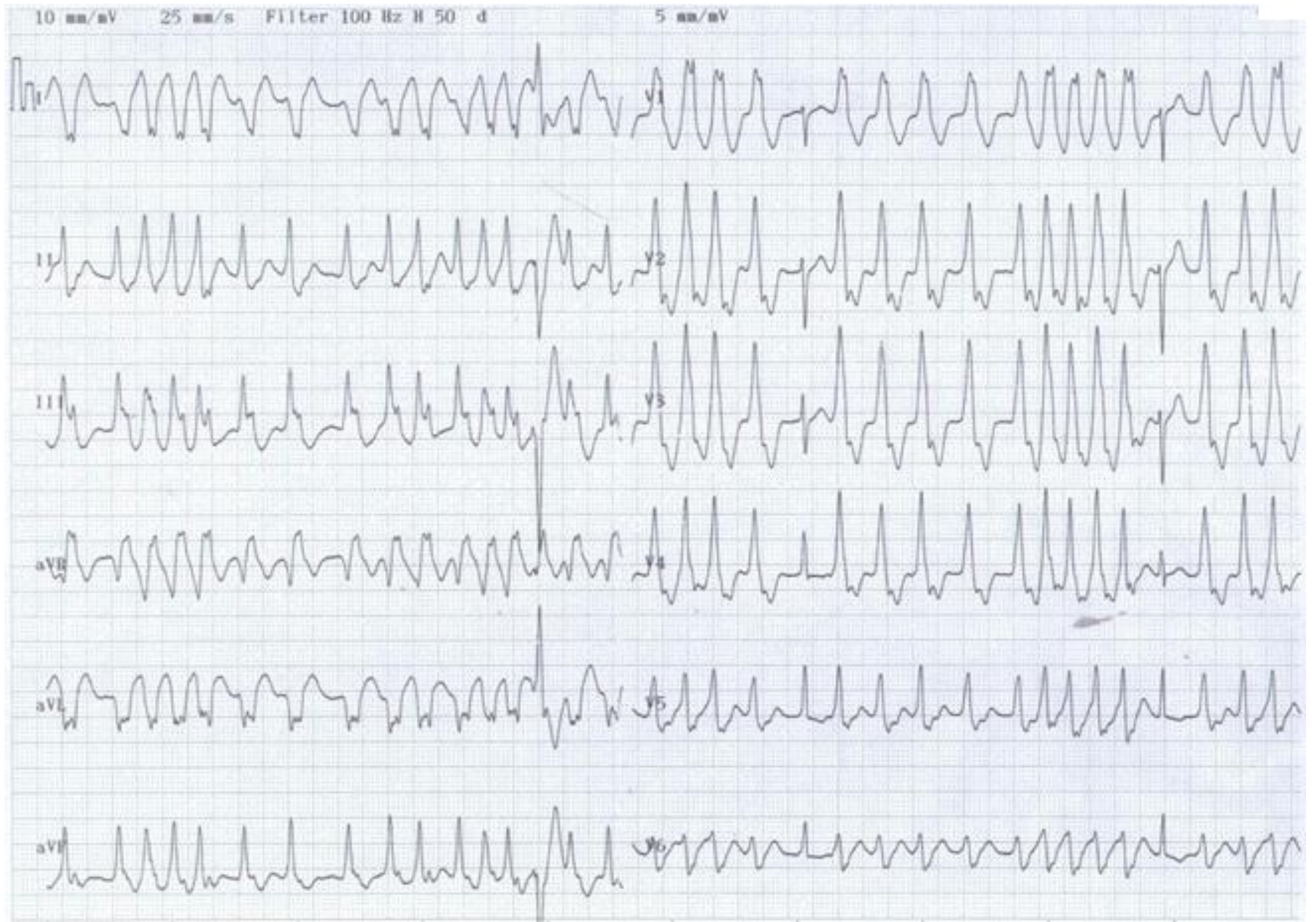


Case 20

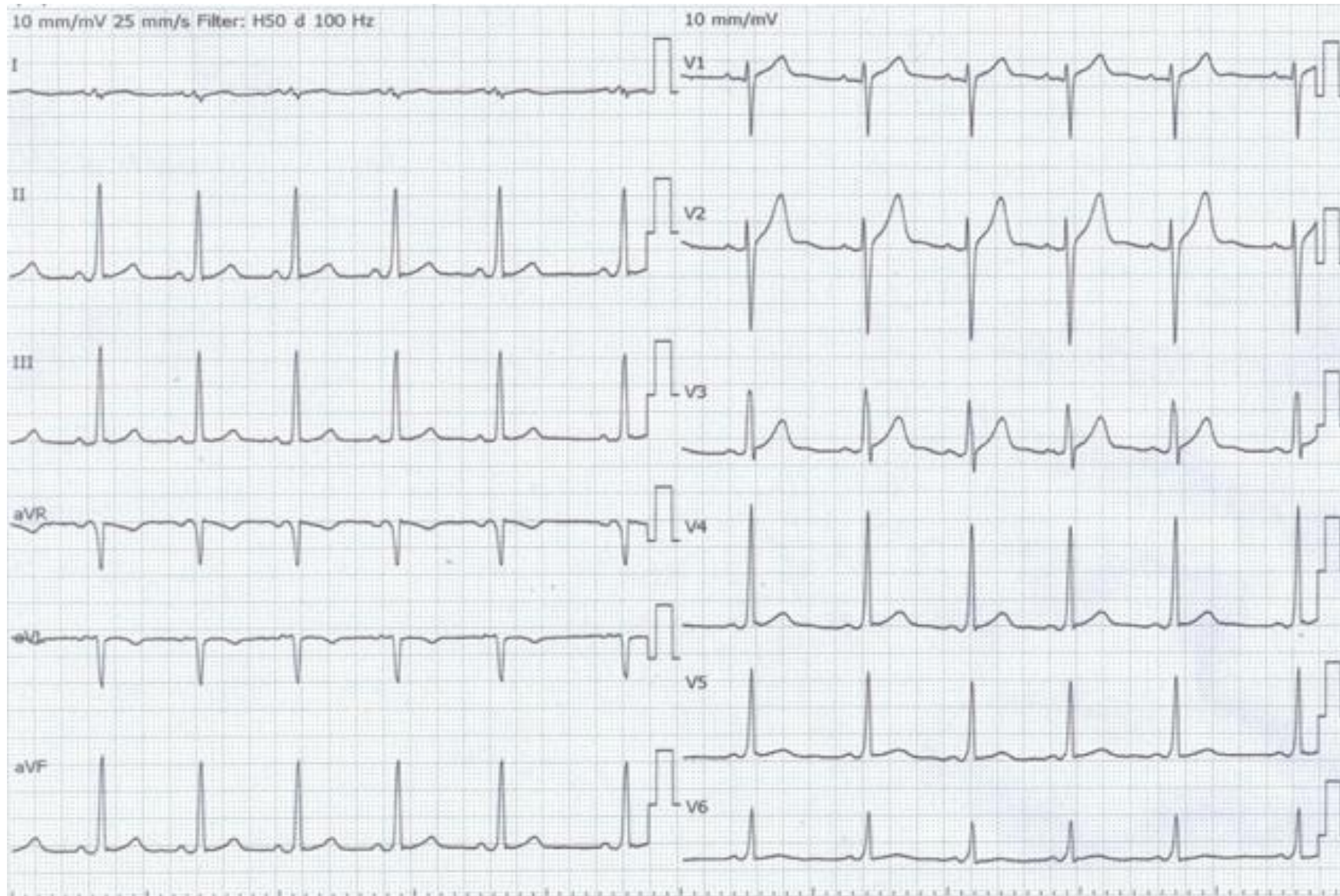
CASE 20a



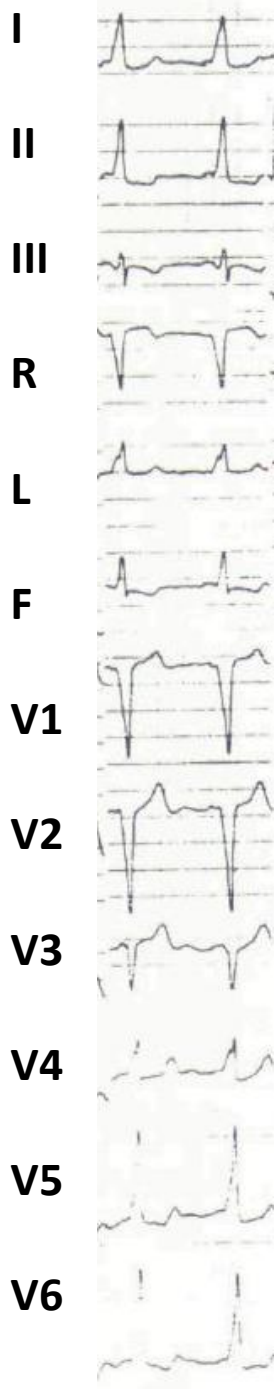
CASE 20b



CASE 20c



Case 22



12 årig dreng

ADHD

Planlægger Ritalin behandling

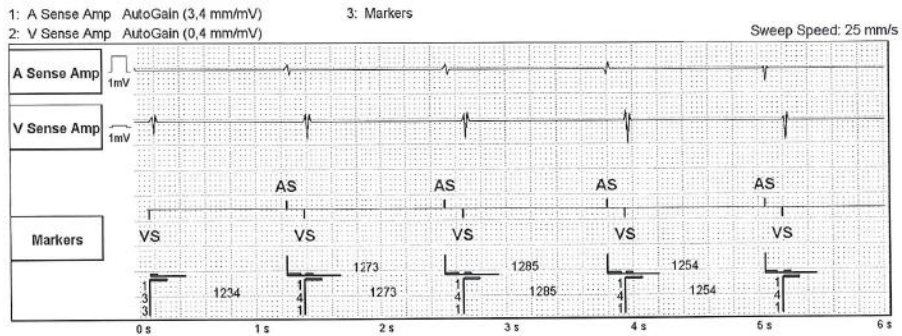
Der tages EKG

Case 23

Episode: VF (260 bpm / 230 ms)

15 Mar 2014 0:55

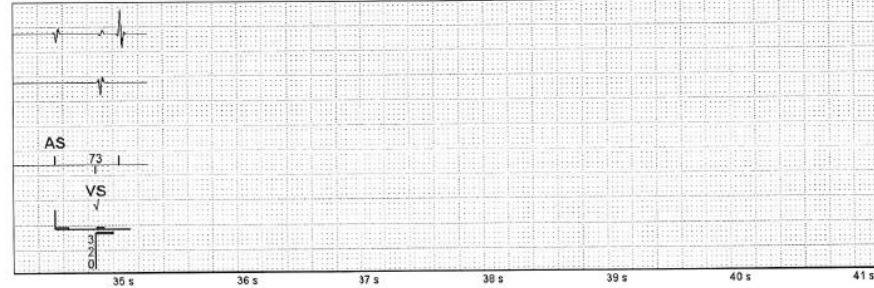
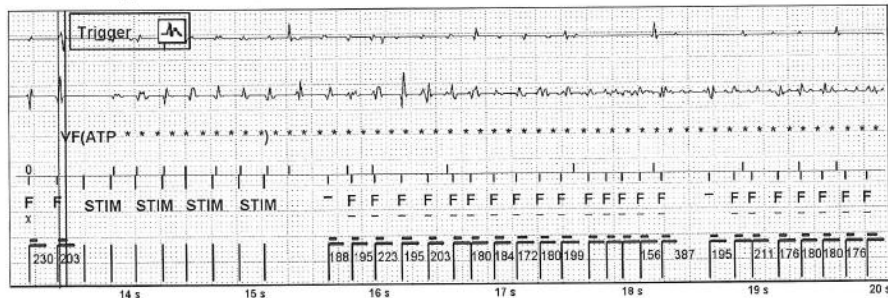
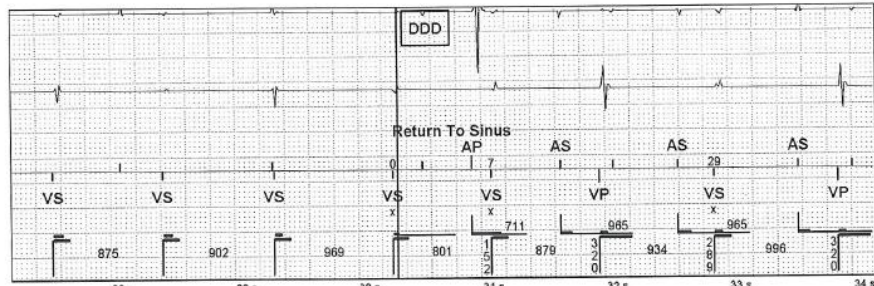
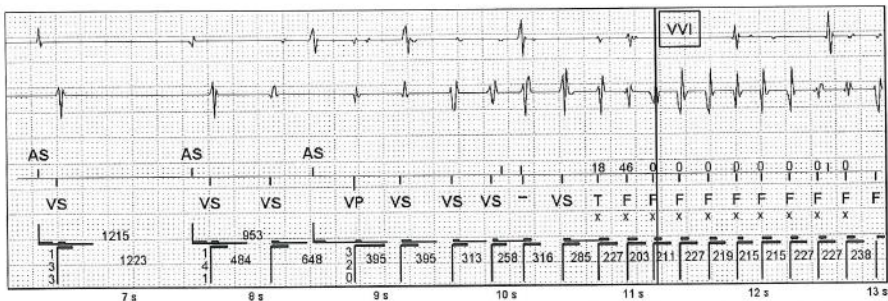
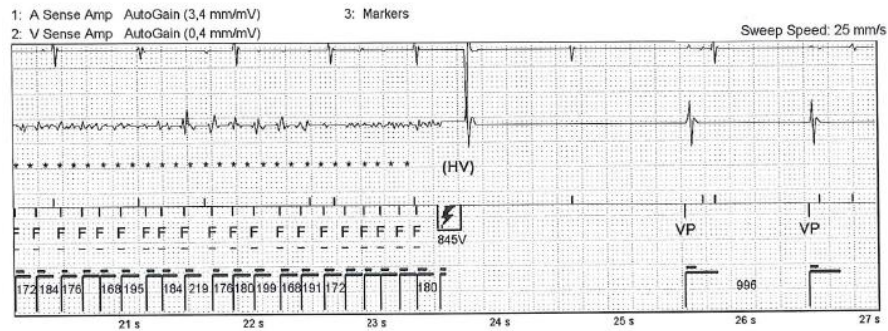
VT/VF Episode 1 of 1
Page 2 of 4



Episode: VF (260 bpm / 230 ms) (Continued)

15 Mar 2014 0:55

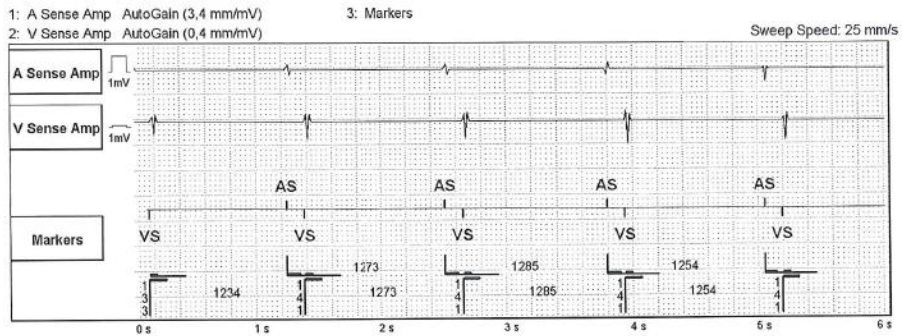
VT/VF Episode 1 of 1
Page 3 of 4



Episode: VF (260 bpm / 230 ms)

15 Mar 2014 0:55

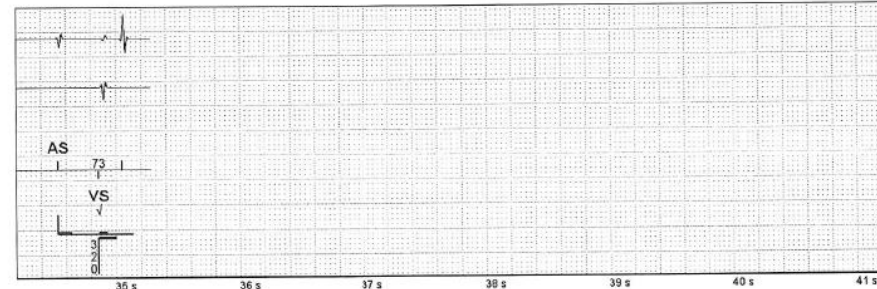
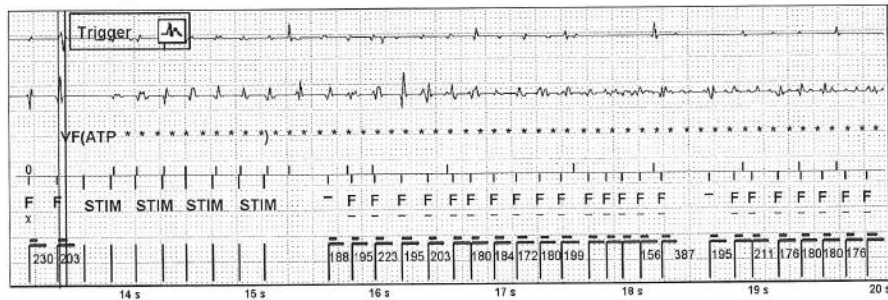
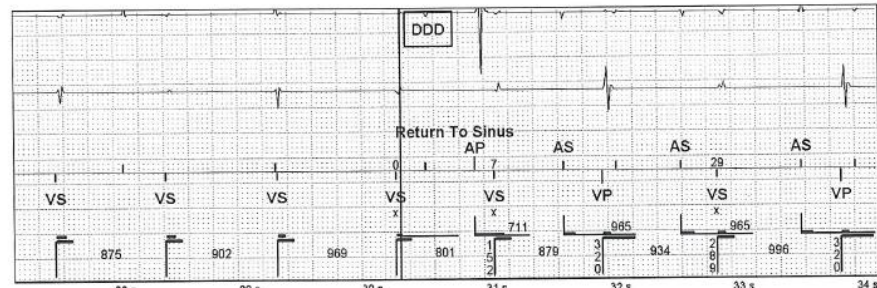
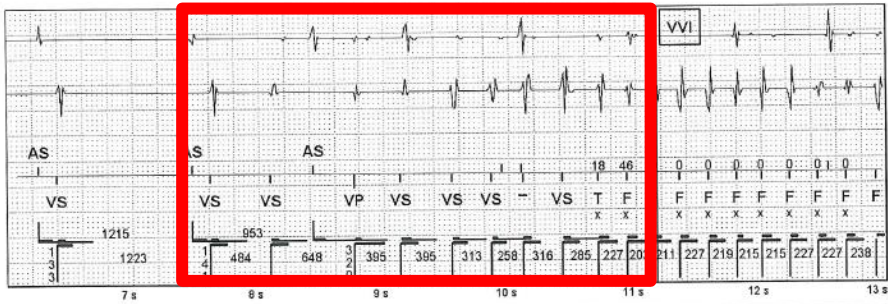
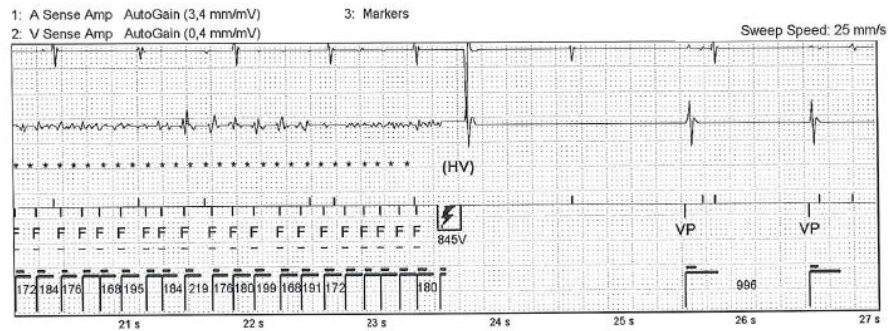
VT/VF Episode 1 of 1
Page 2 of 4



Episode: VF (260 bpm / 230 ms) (Continued)

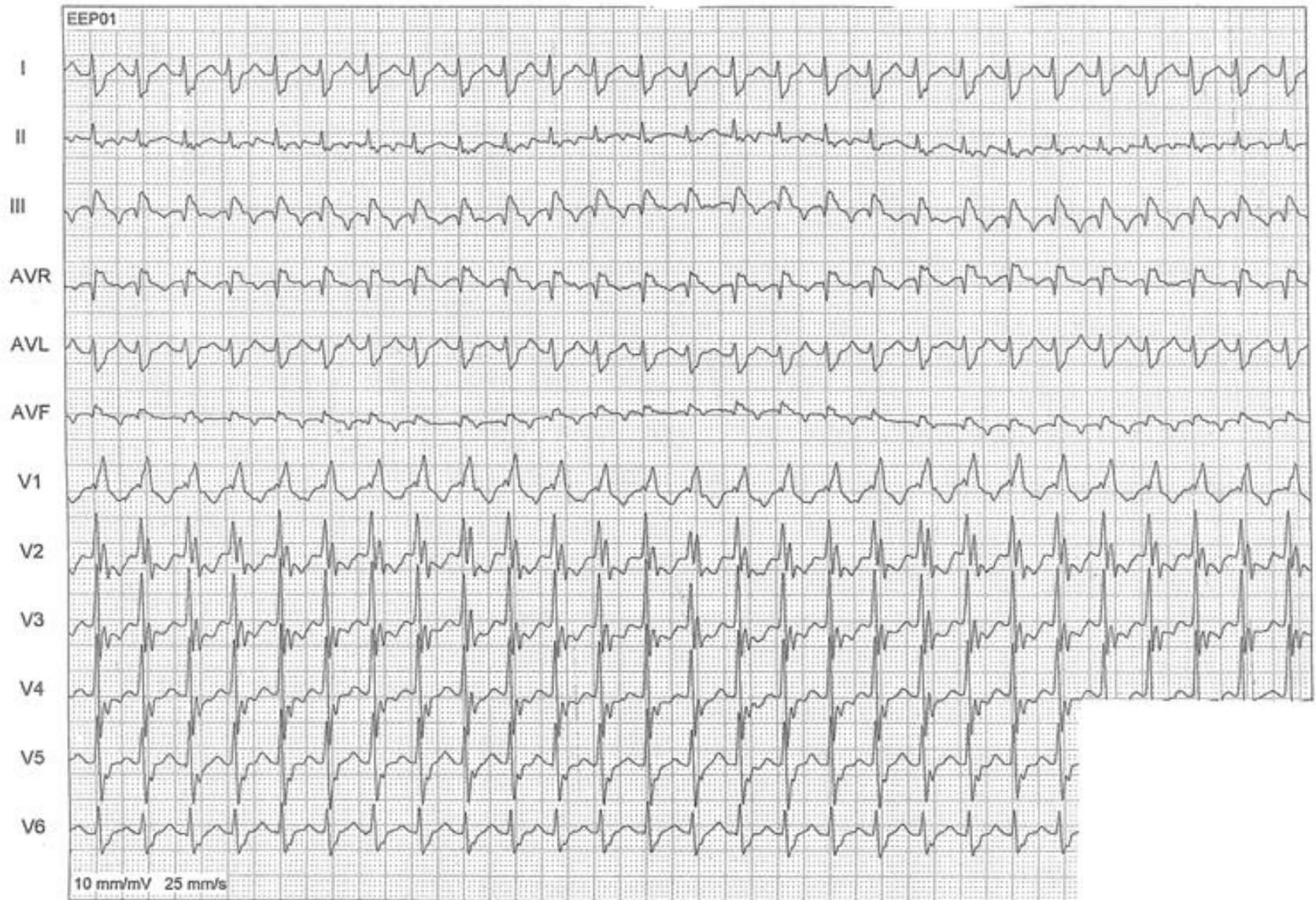
15 Mar 2014 0:55

VT/VF Episode 1 of 1
Page 3 of 4

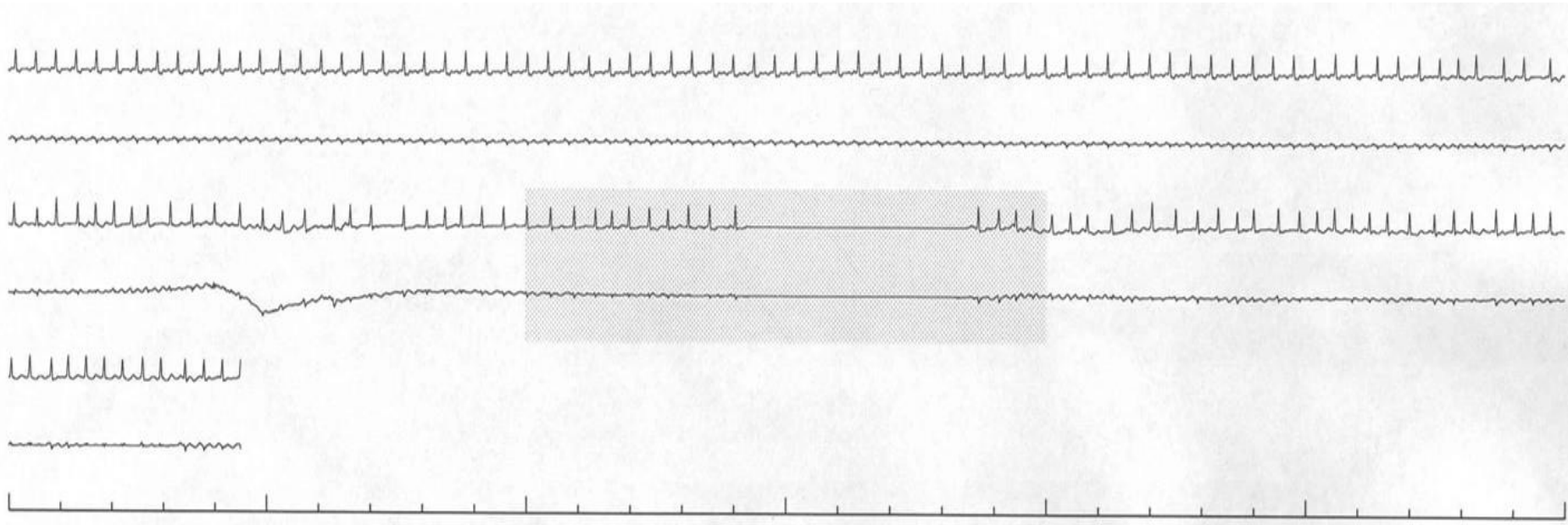


Case 24

CASE 24

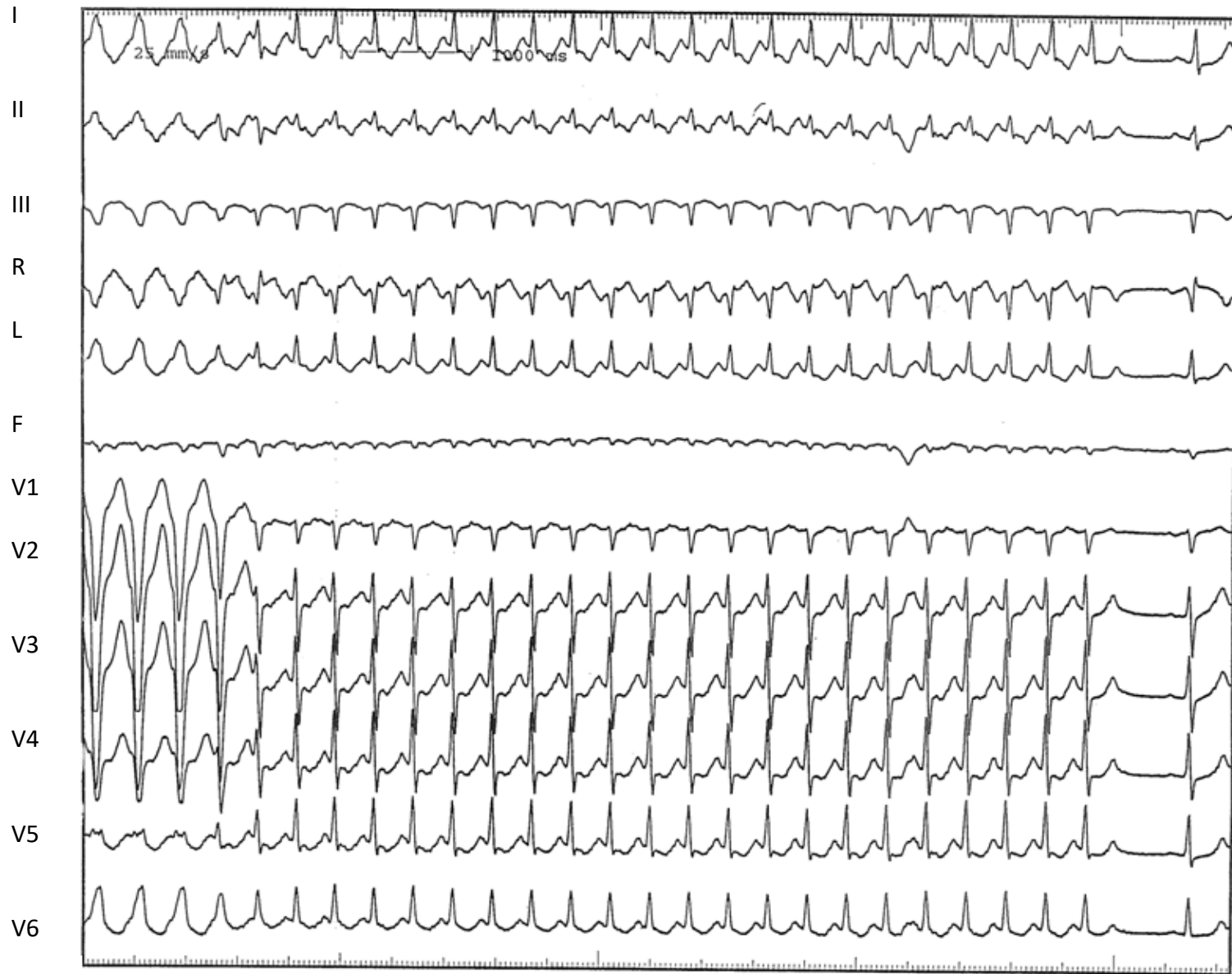


Case 25



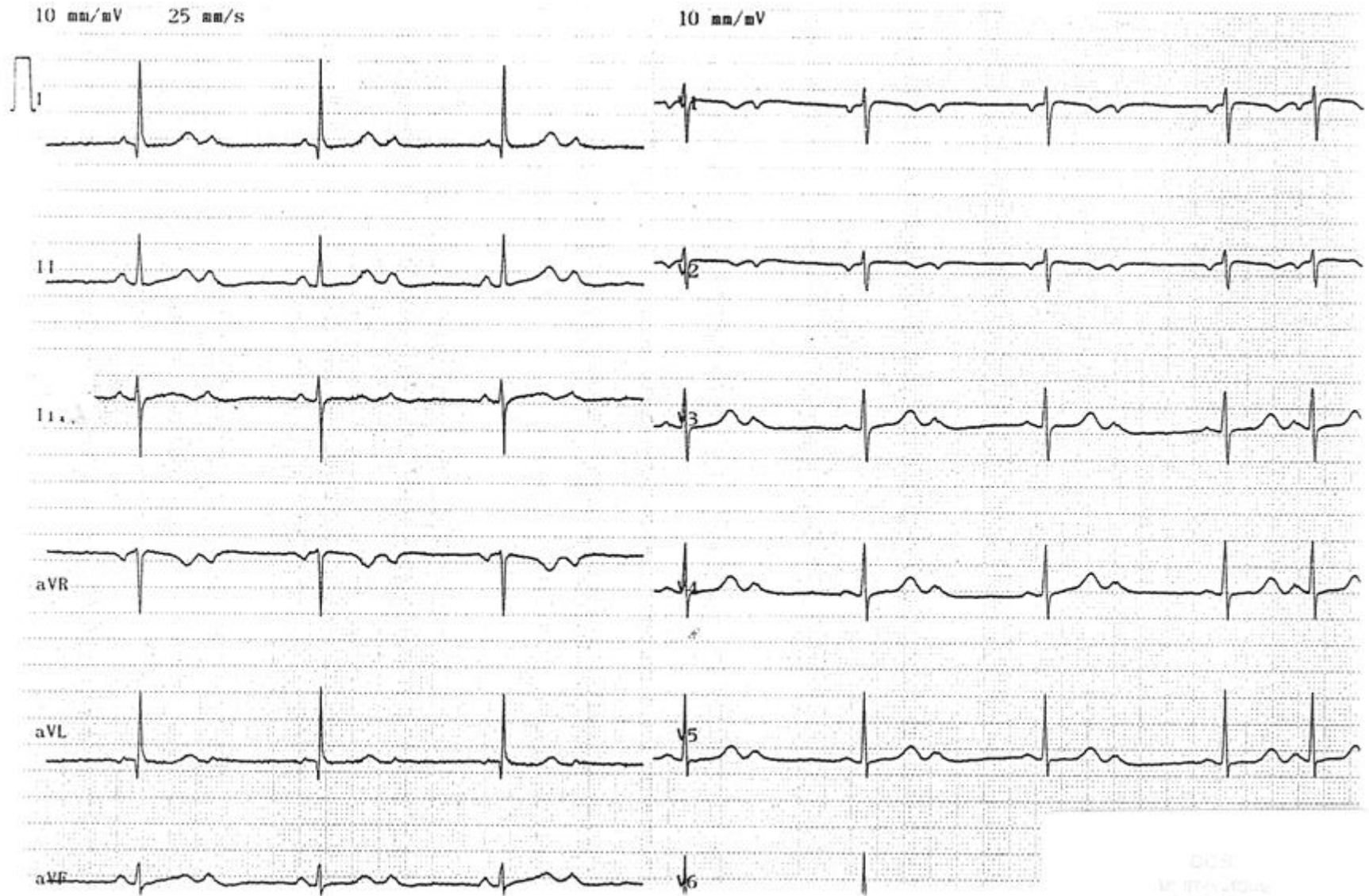
Case 26

CASE 26



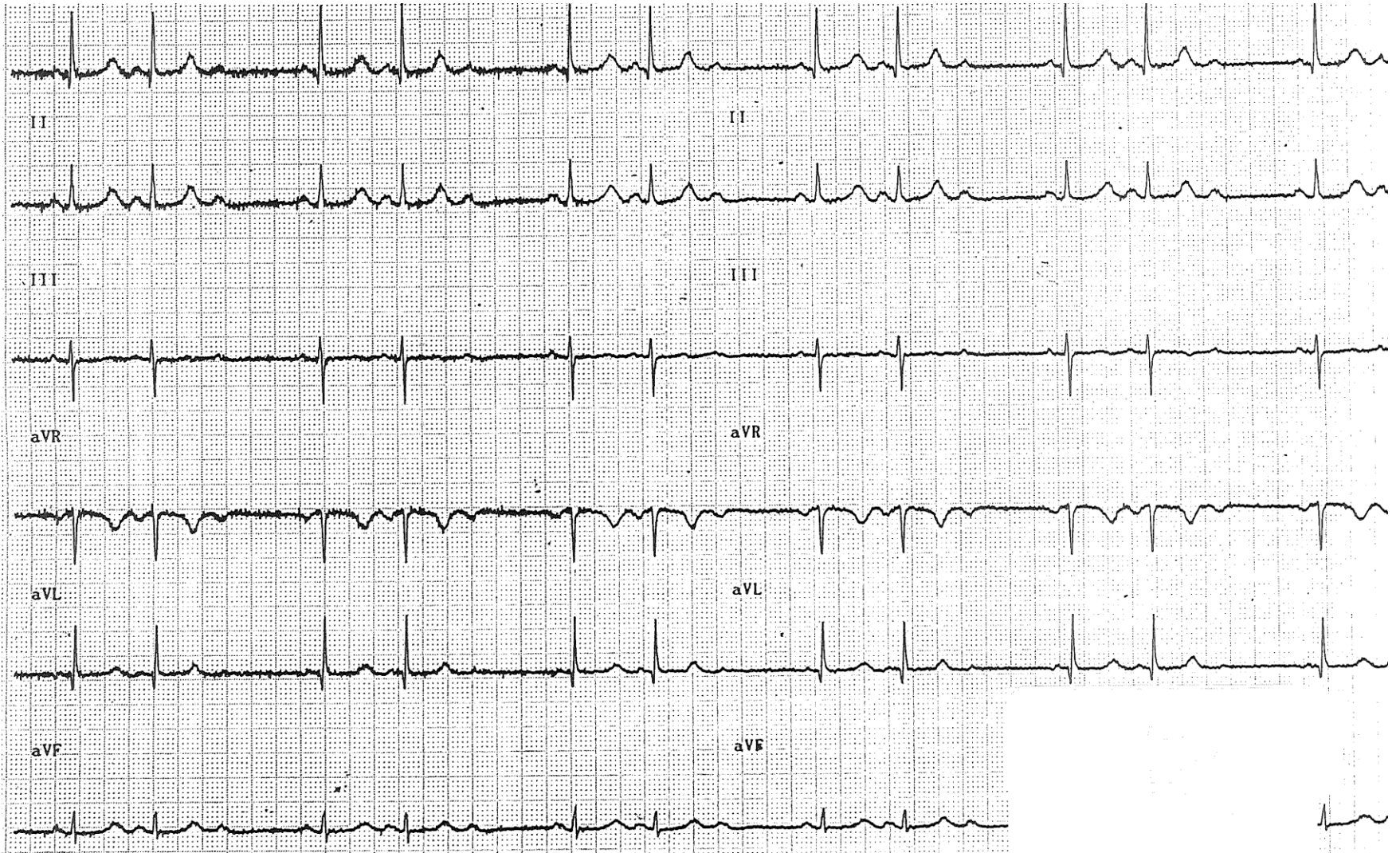
Case 27

CASE 27a



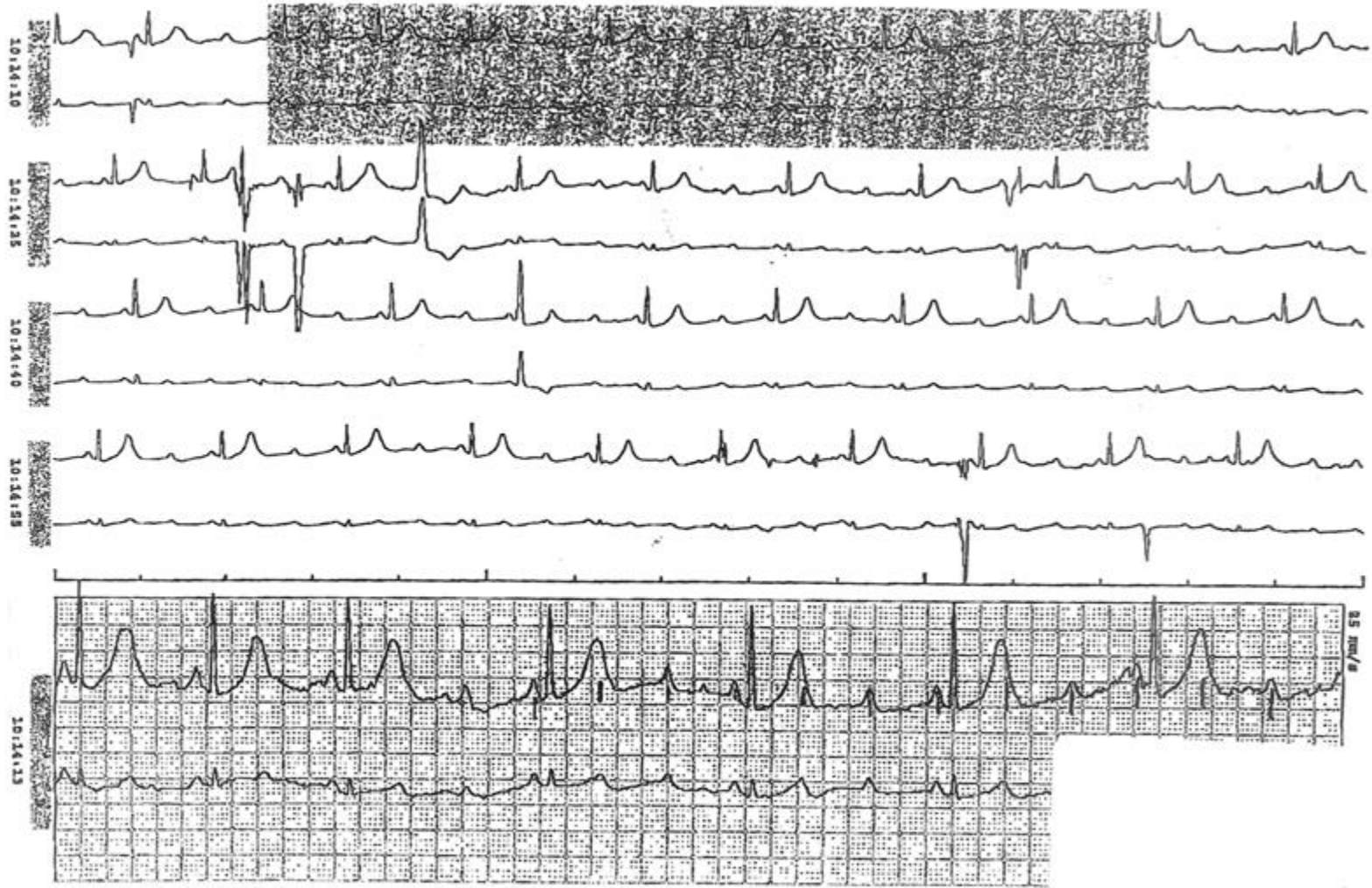
DR
10/10/10
200
1000

CASE 27b



CASE 27c

I forbindelse med trappegang til 2.sal bliver pt. udtalt dyspnøisk og svimmel



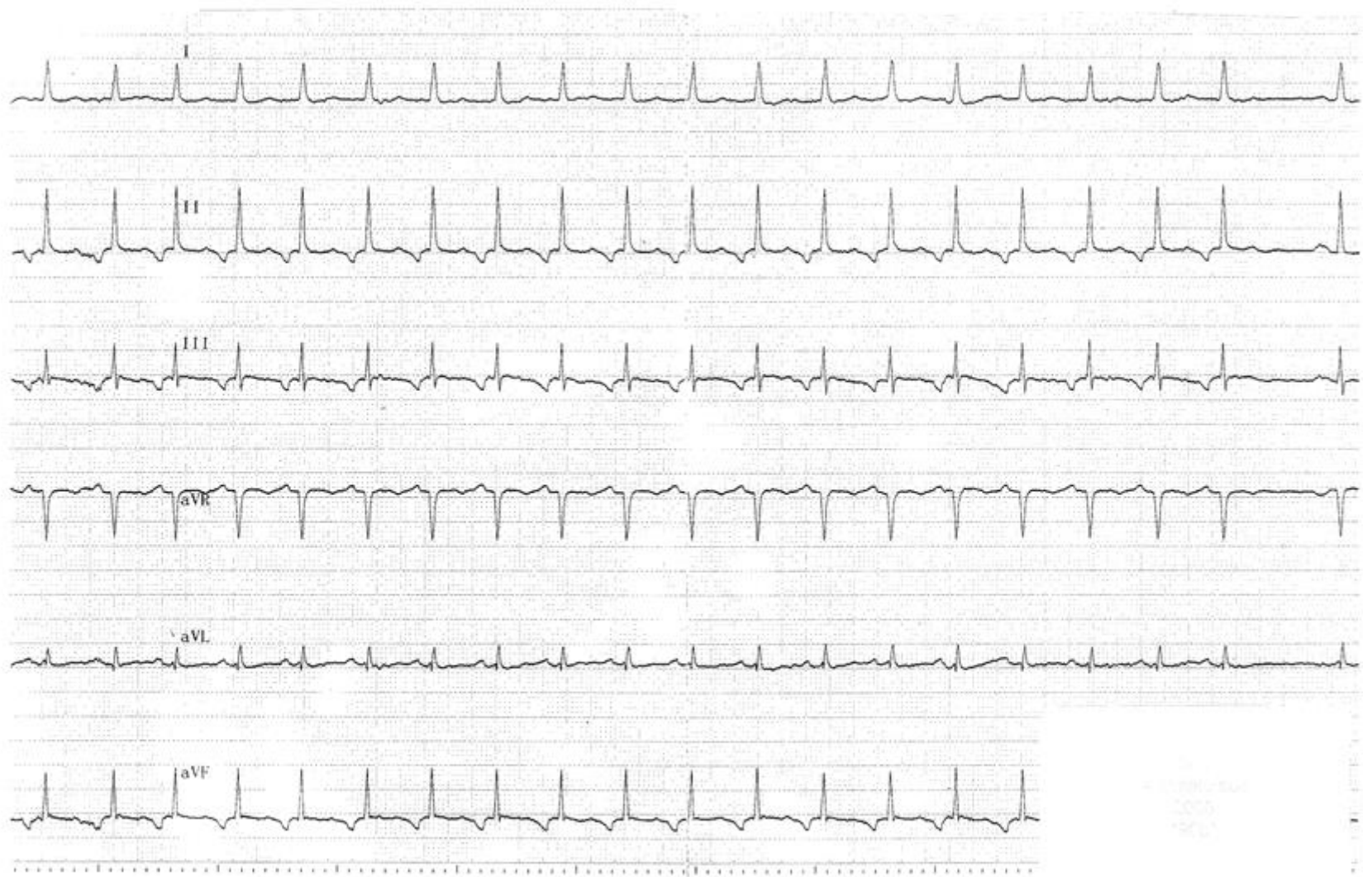
Case 28

CASE 28a

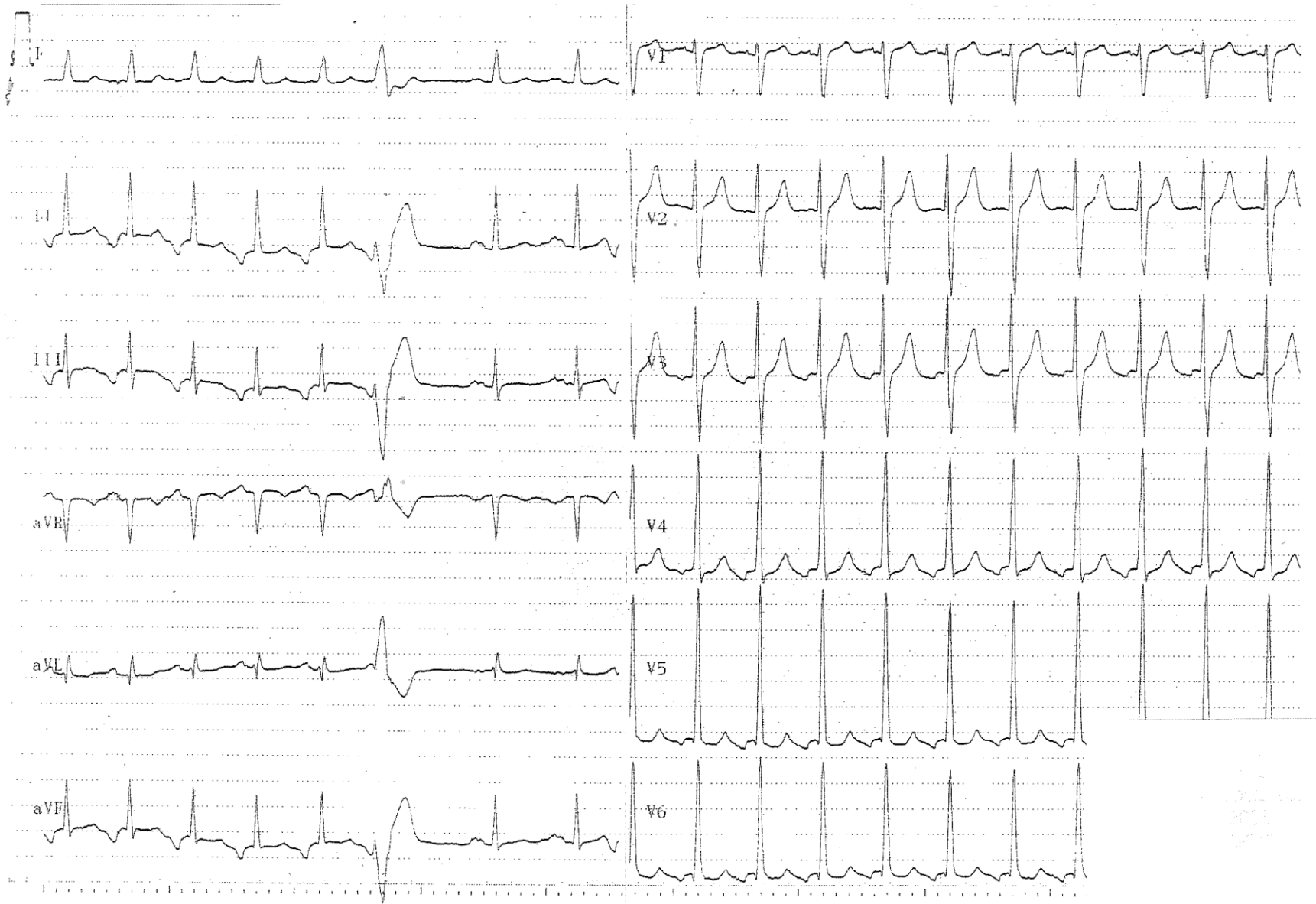
25 mm/s Filter 100 Hz H 50 d Filter 35 Hz



CASE 28b

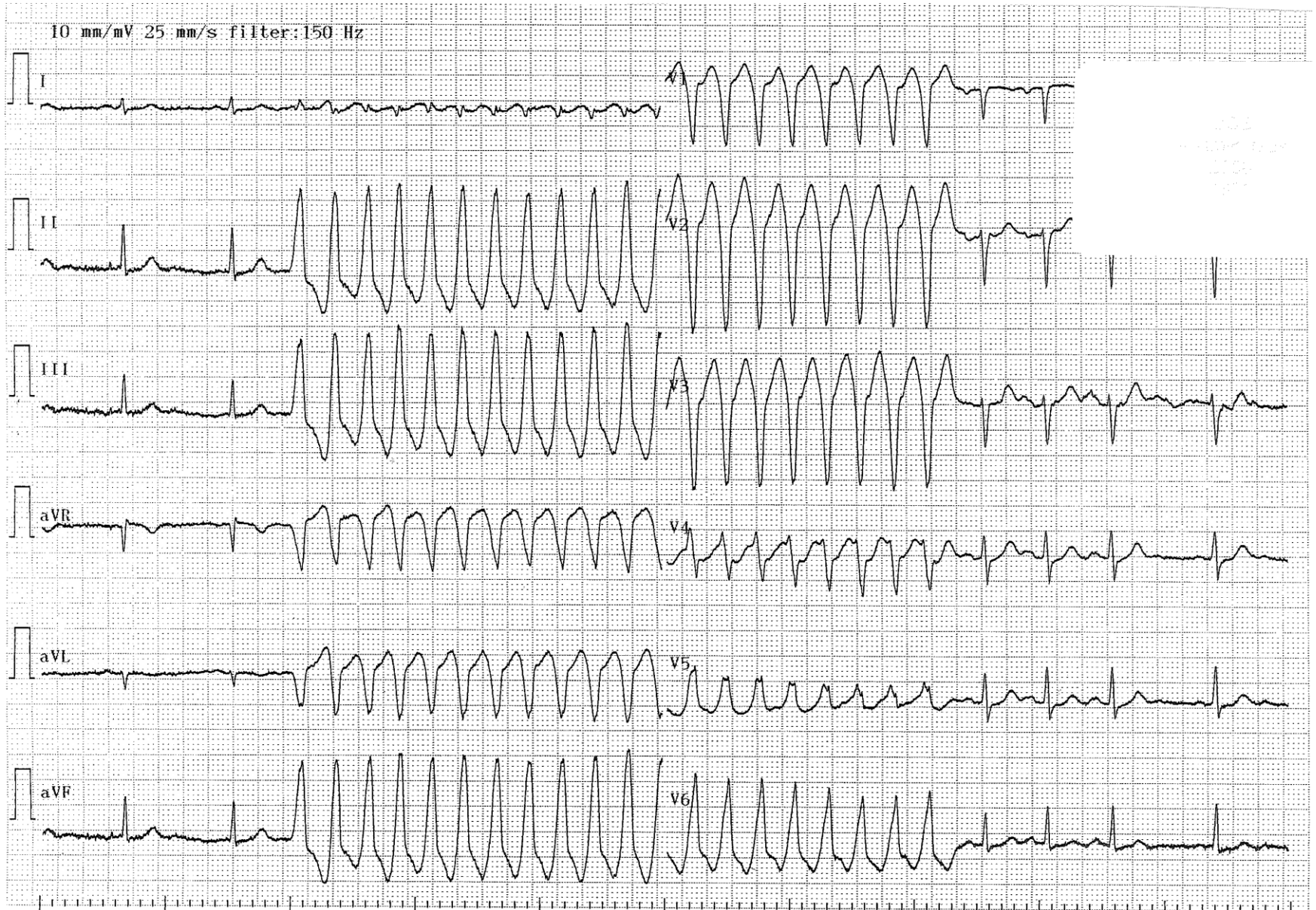


CASE 28c

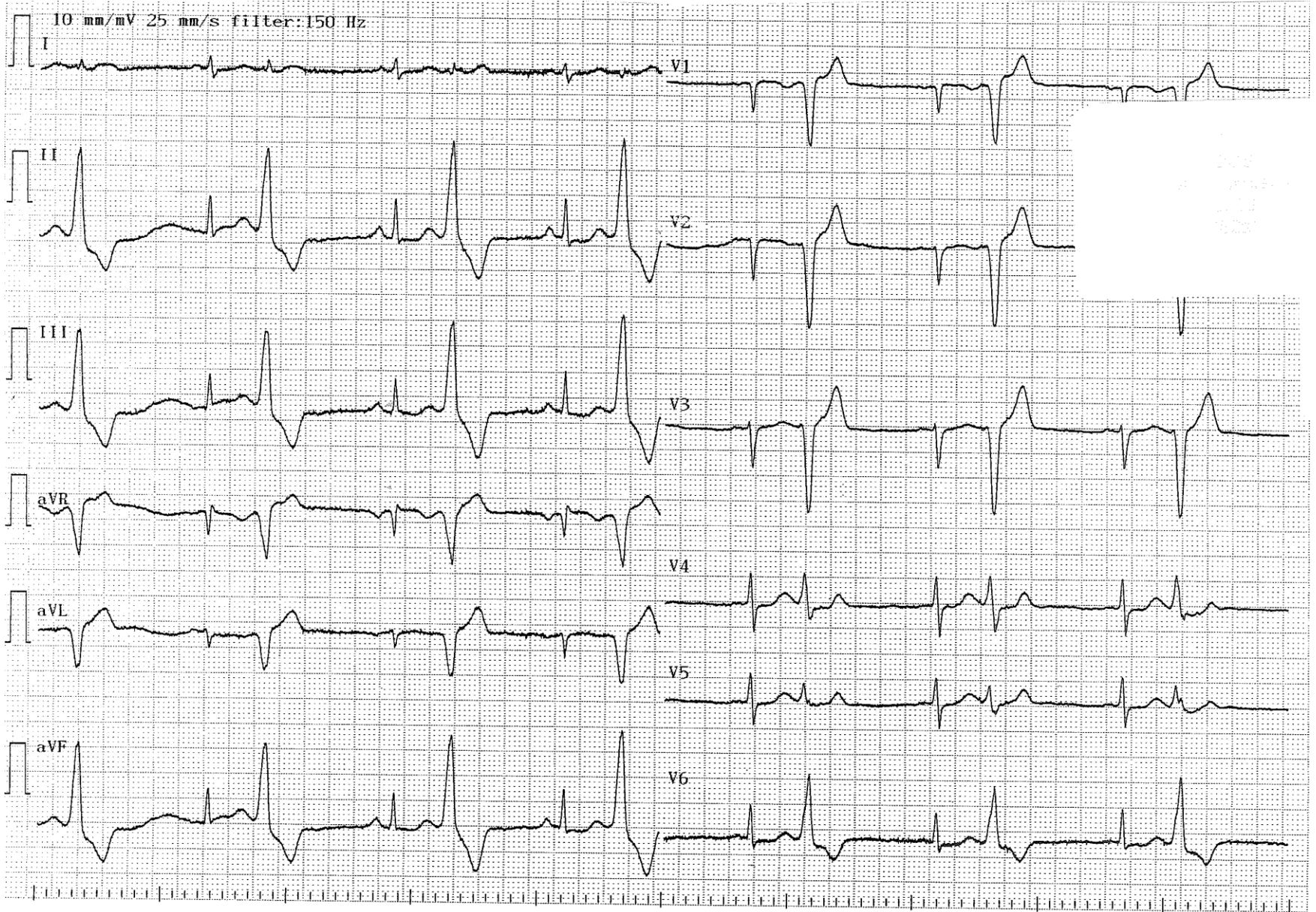


Case 29

CASE 29



CASE 29a

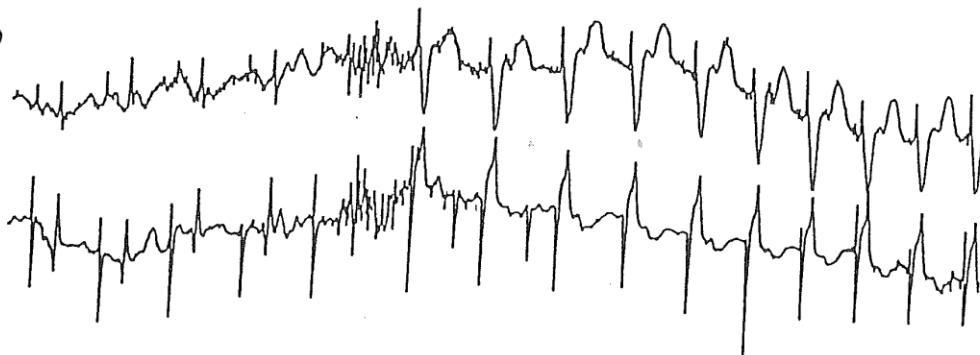


Case 30

CASE 30

1 sek

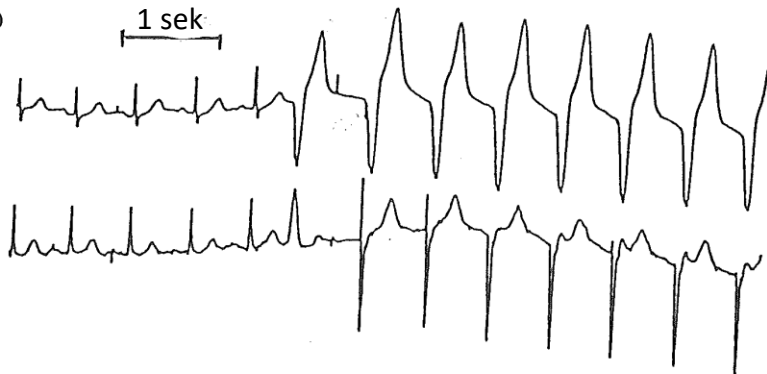
(a)



a) DDD-PM
Paced AV=280 ms.
Unipolar atrie-elektrode.
Unipolar ventrikel-elektrode

(b)

1 sek



b) DDD-PM
Paced AV=300 ms
Bipolar atrie-elektrode
Unipolar ventrikel-elektrode

(c)

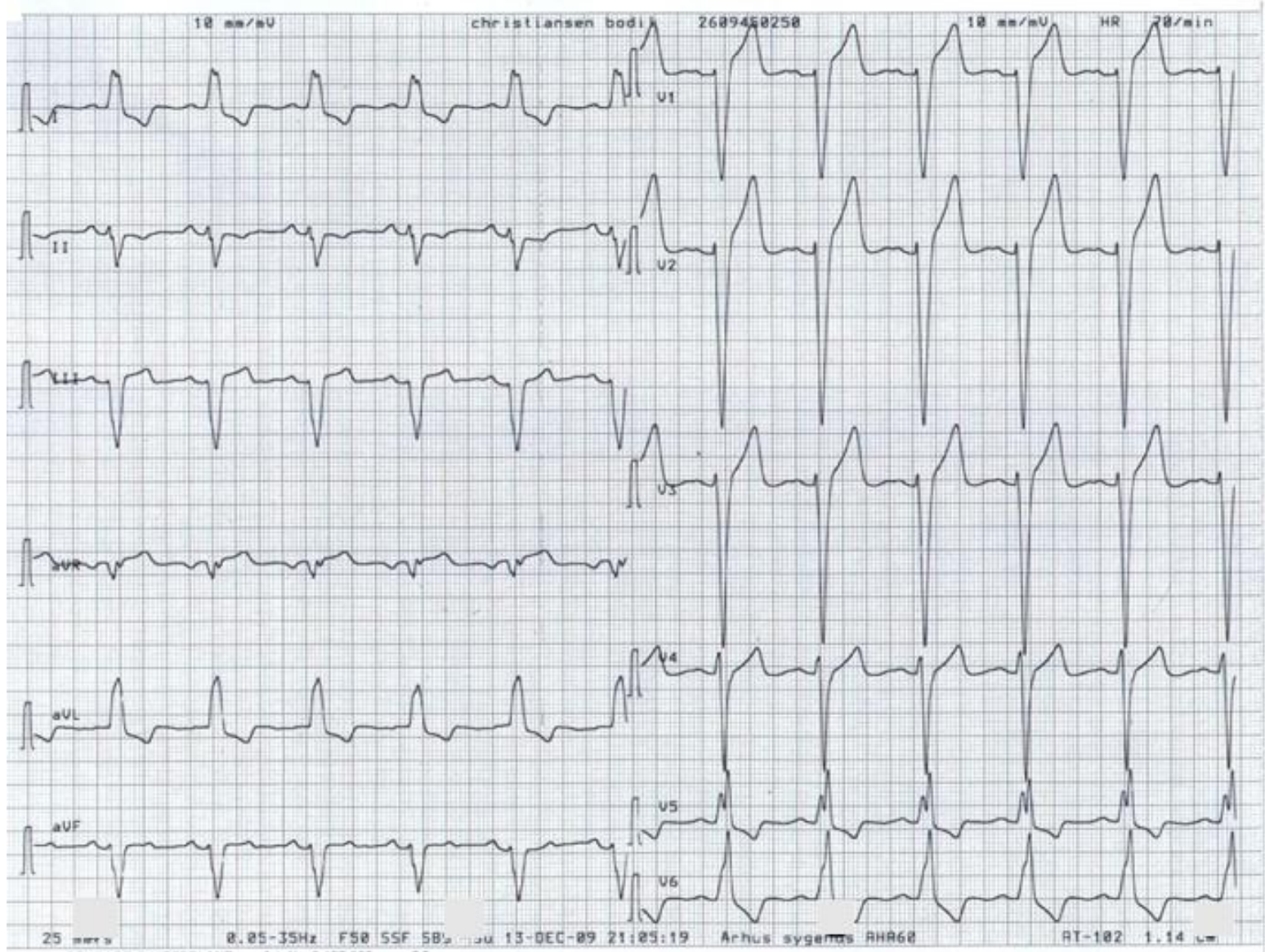
1 sek



c) DDD-PM
Paced AV=300 ms
Bipolar atrie-elektrode
Unipolar ventrikel-elektrode

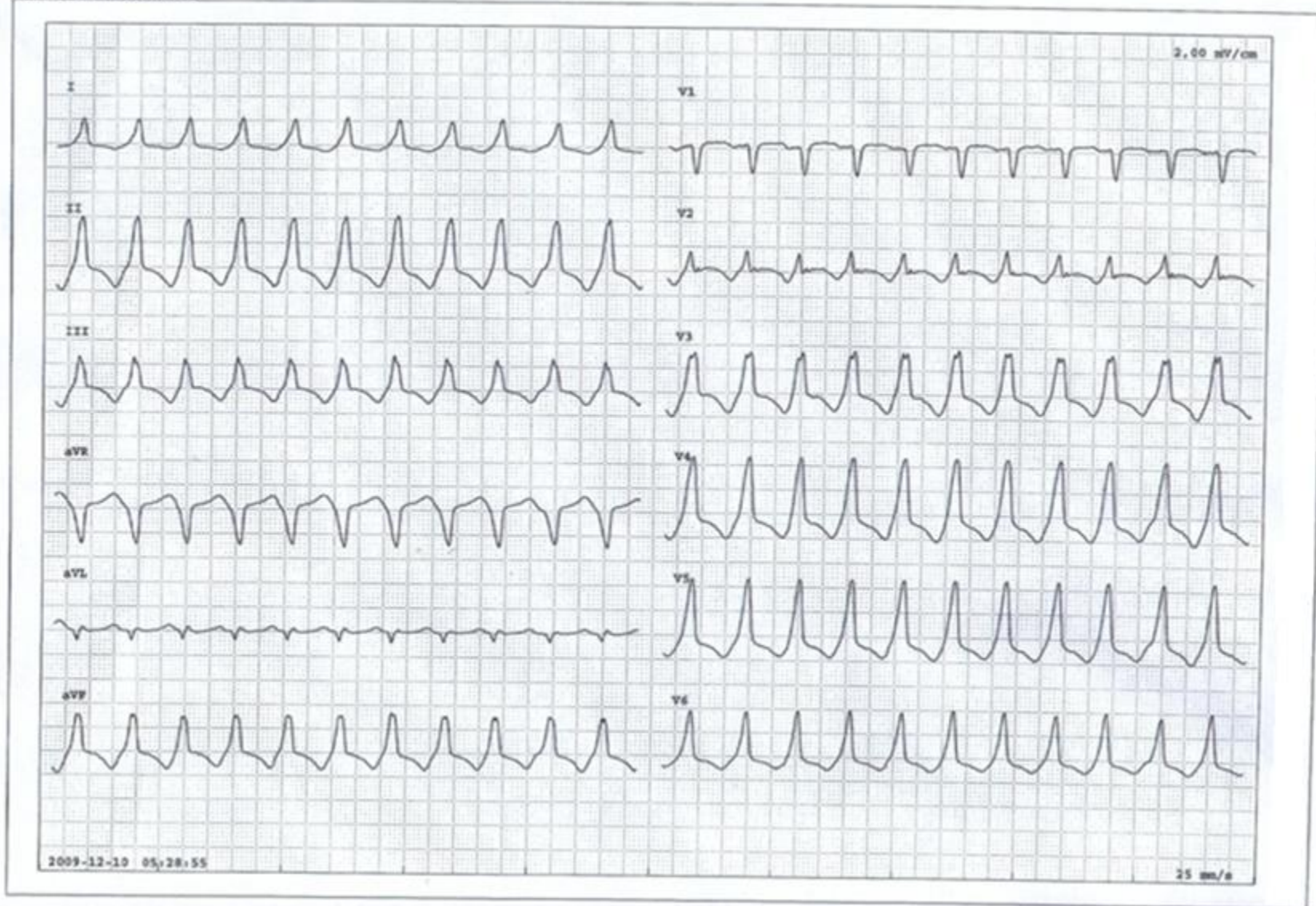
Case 31

CASE 31a

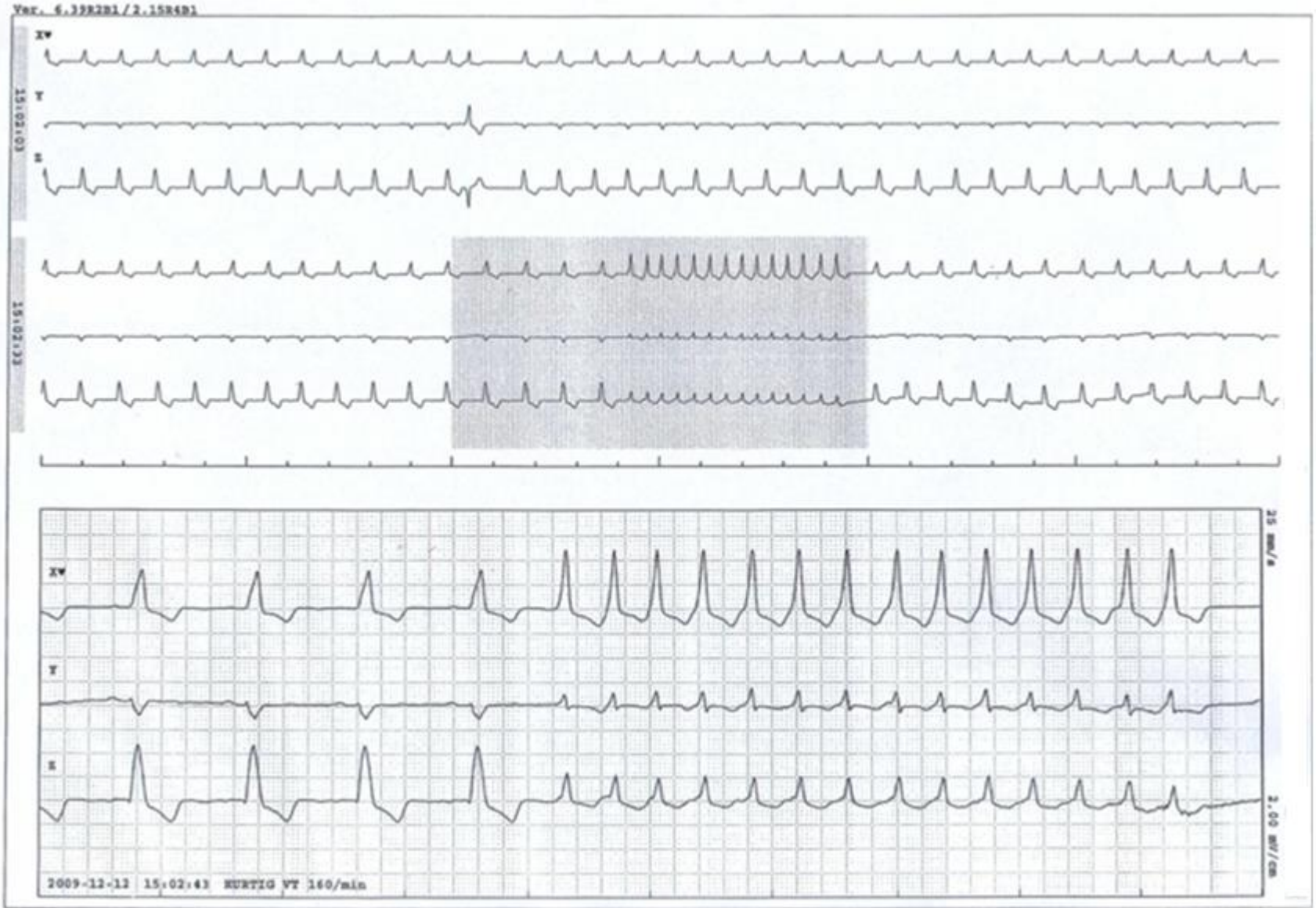


CASE 31b

Ver. 6.359281 / 2.159481

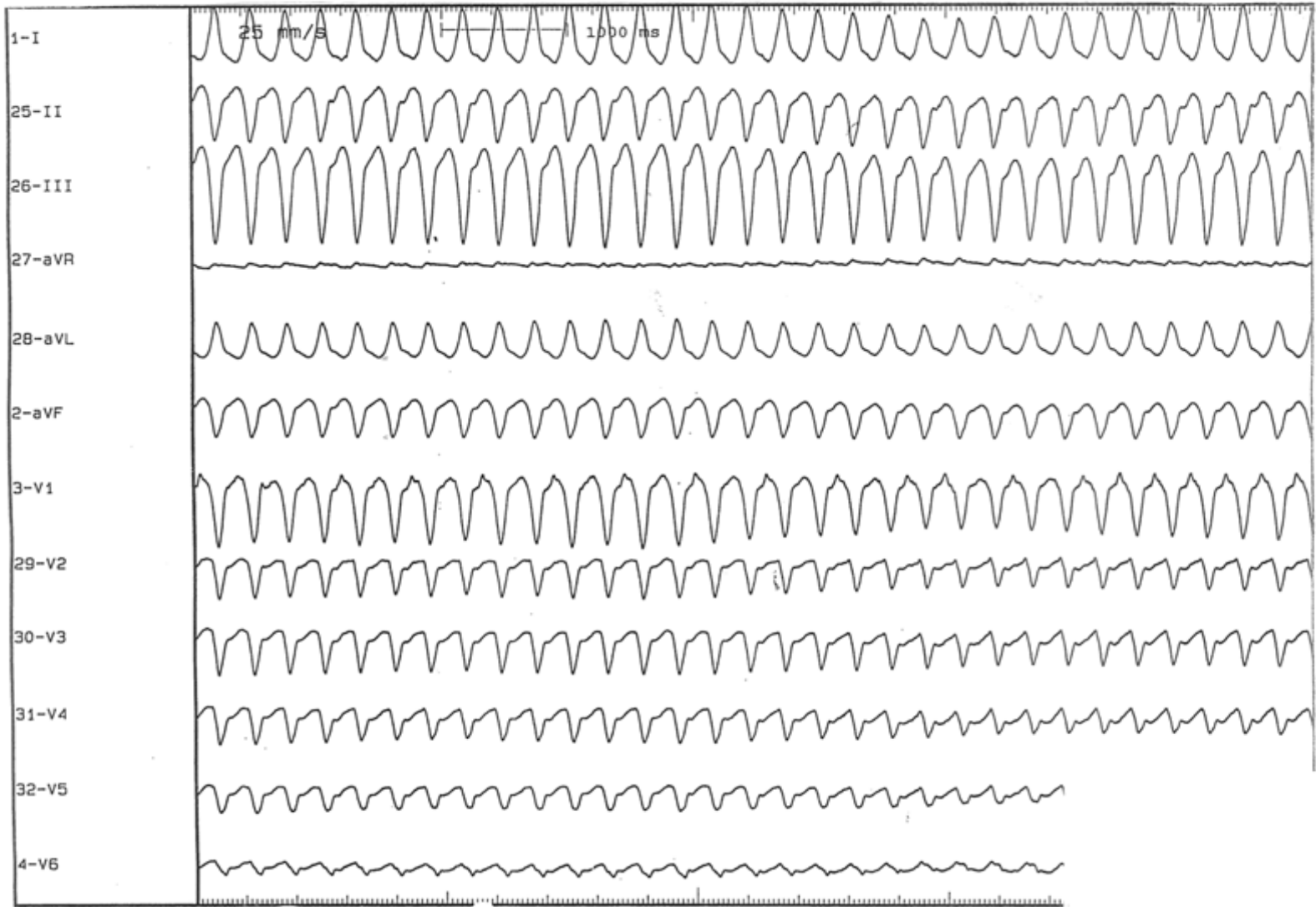


CASE 31c



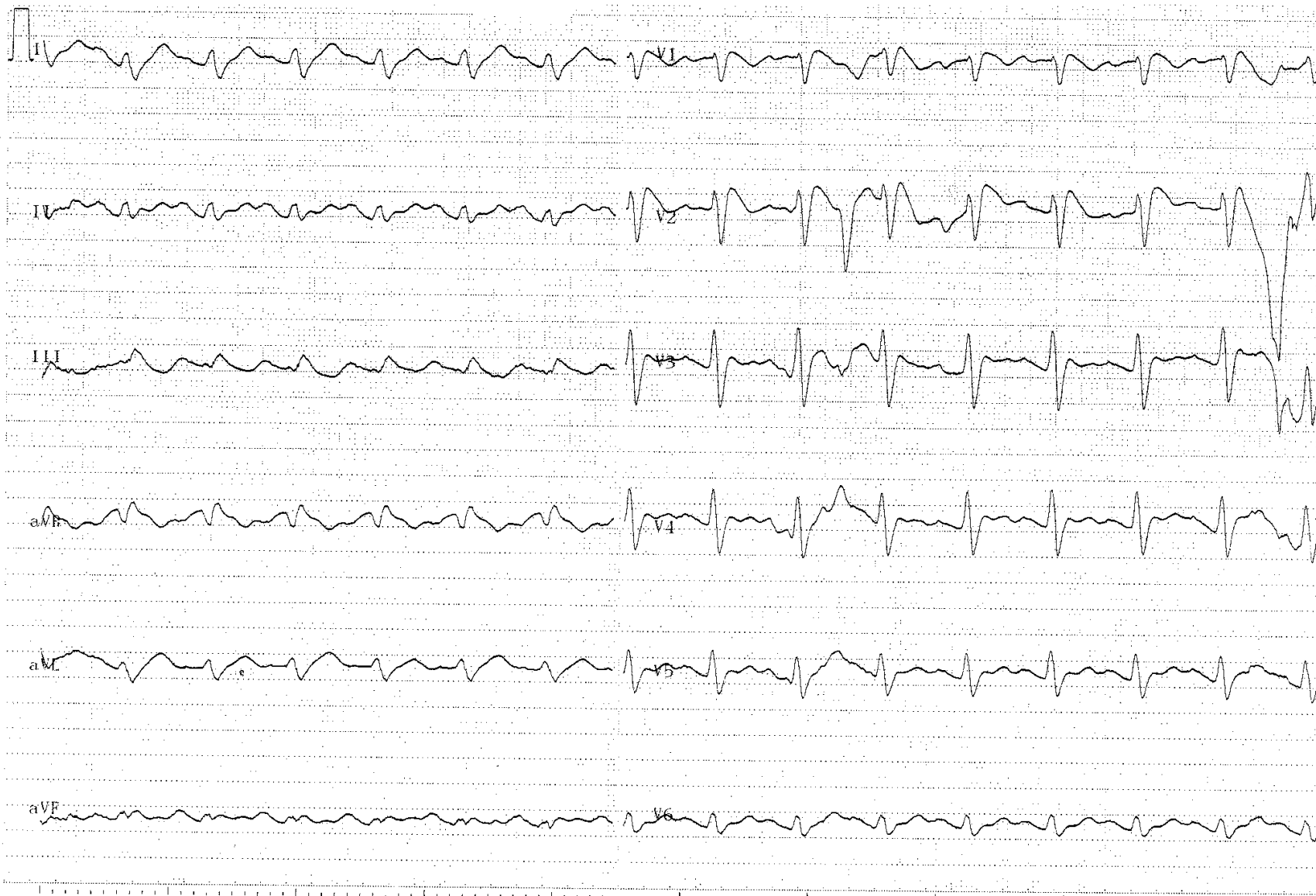
Case 32

CASE 32

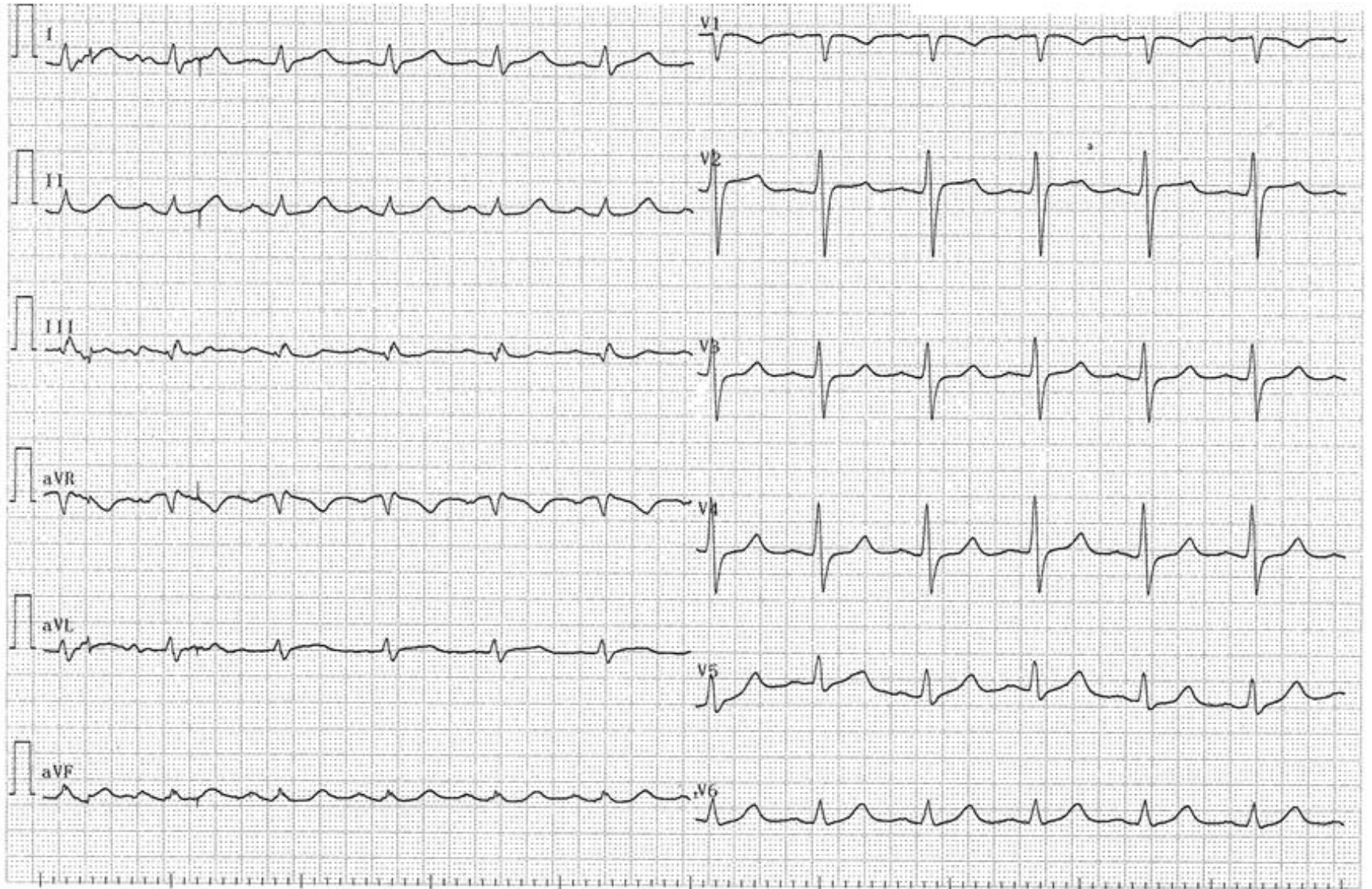


Case 33

CASE 33a

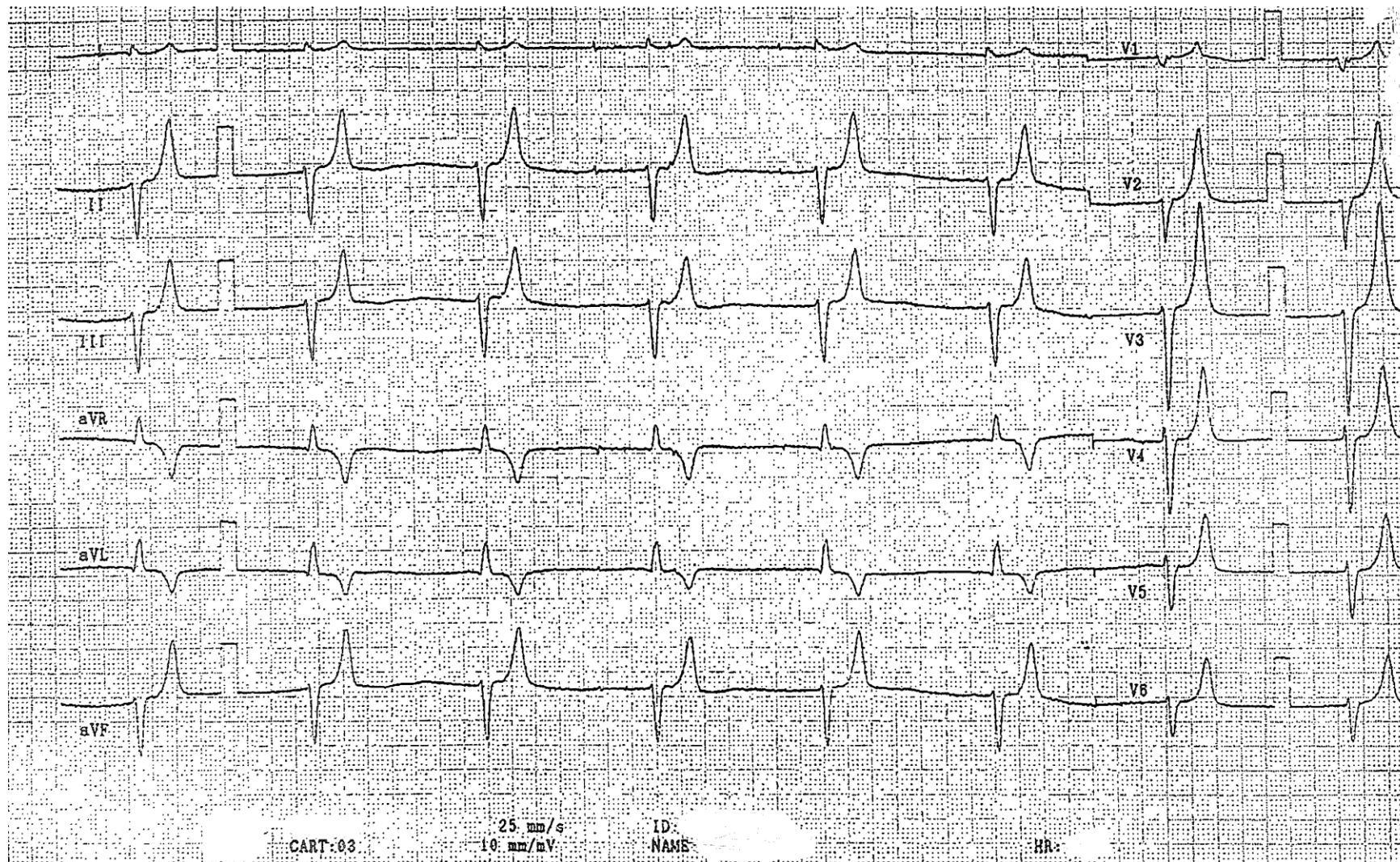


CASE 33b



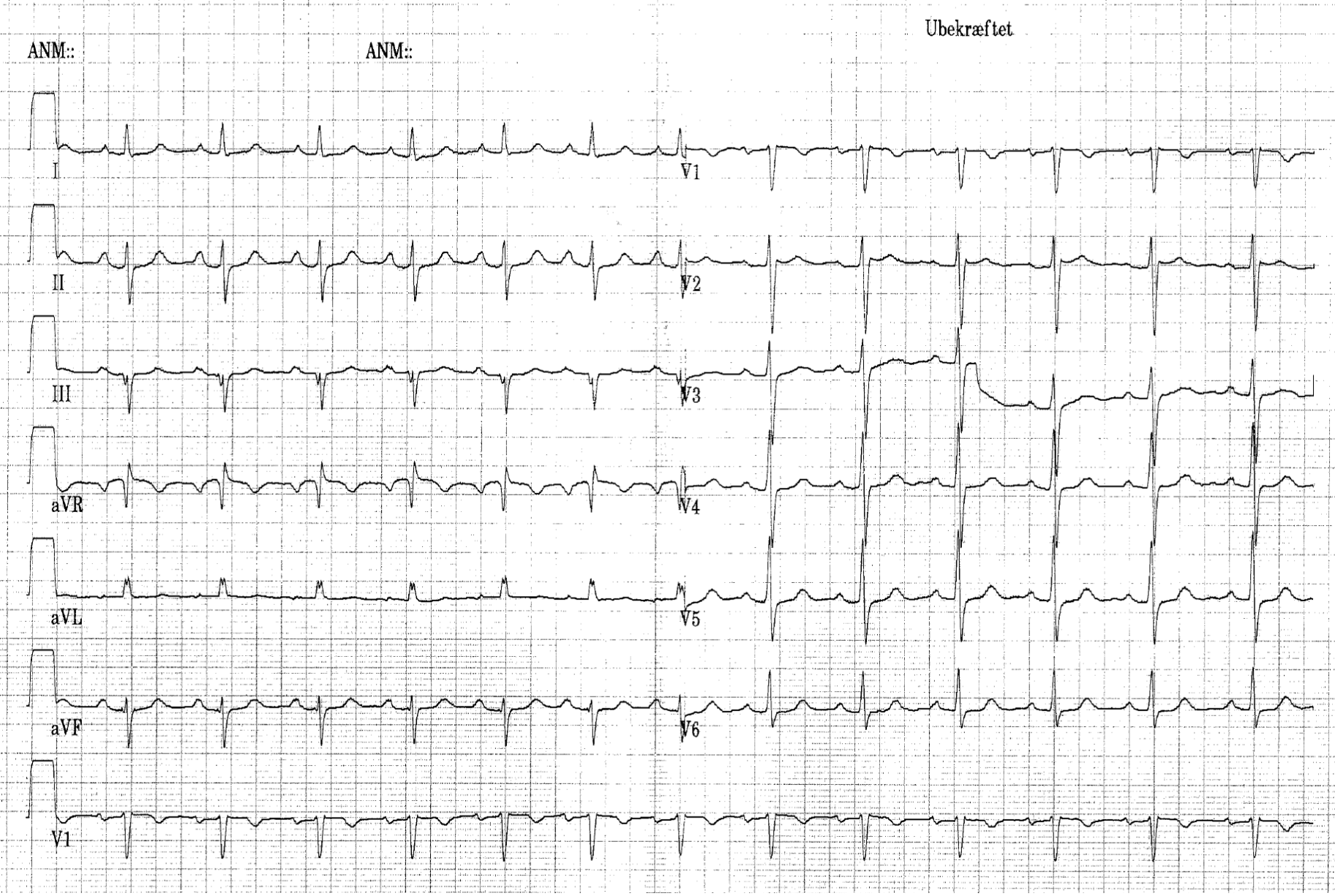
Case 35

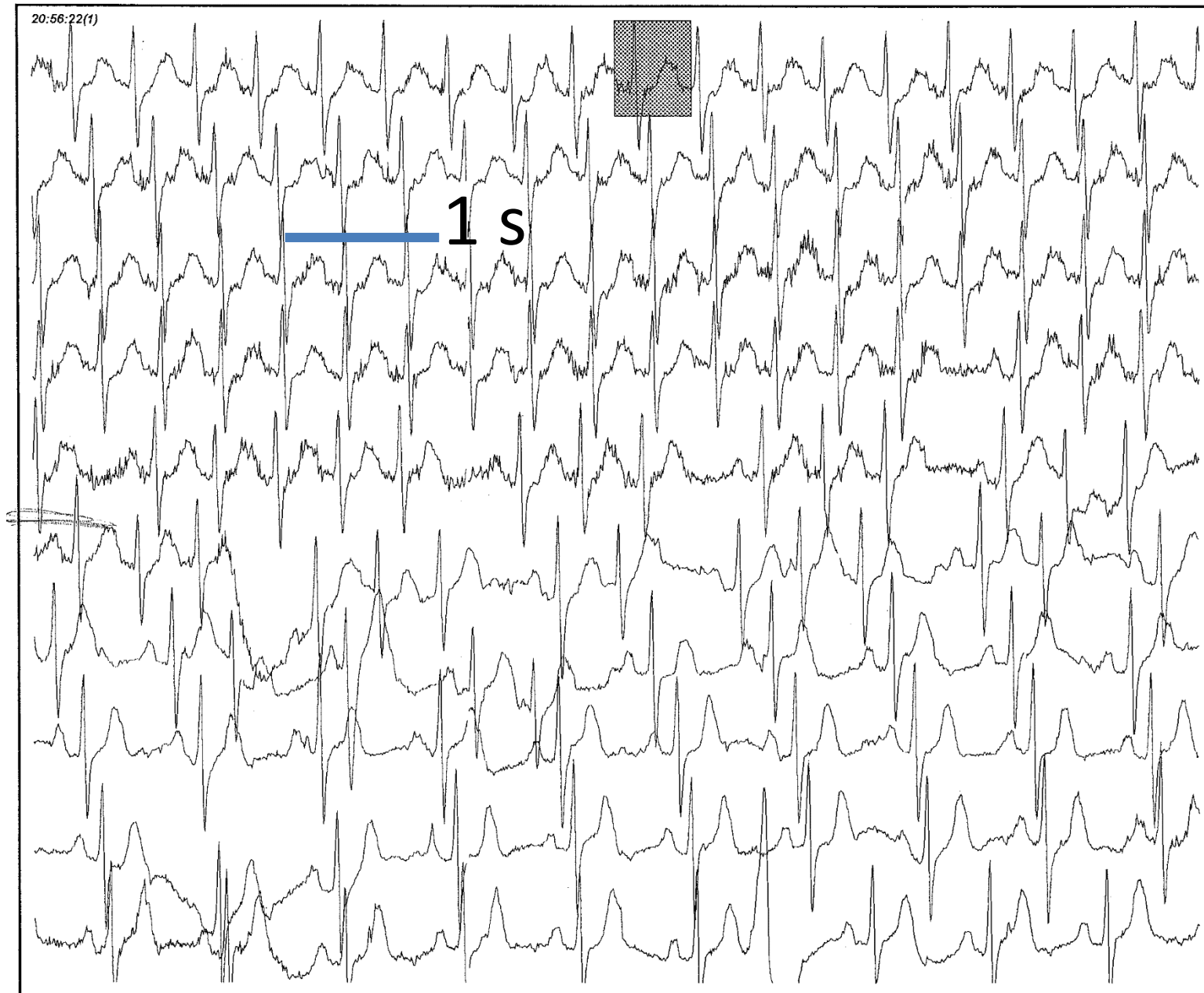
CASE 35



Case 37

37. Baseline-EKG





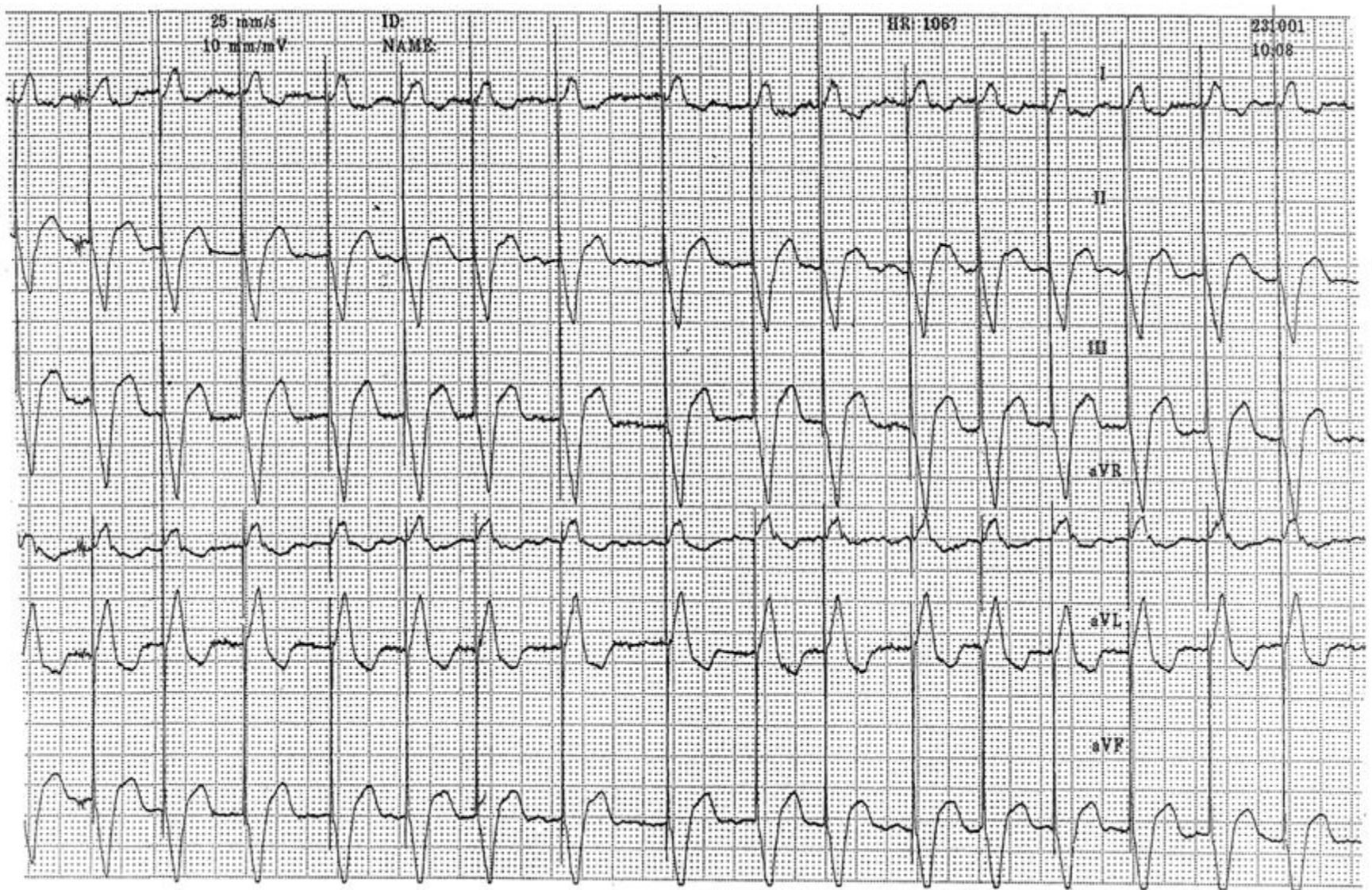
11/15/1991

20:57:34(1)



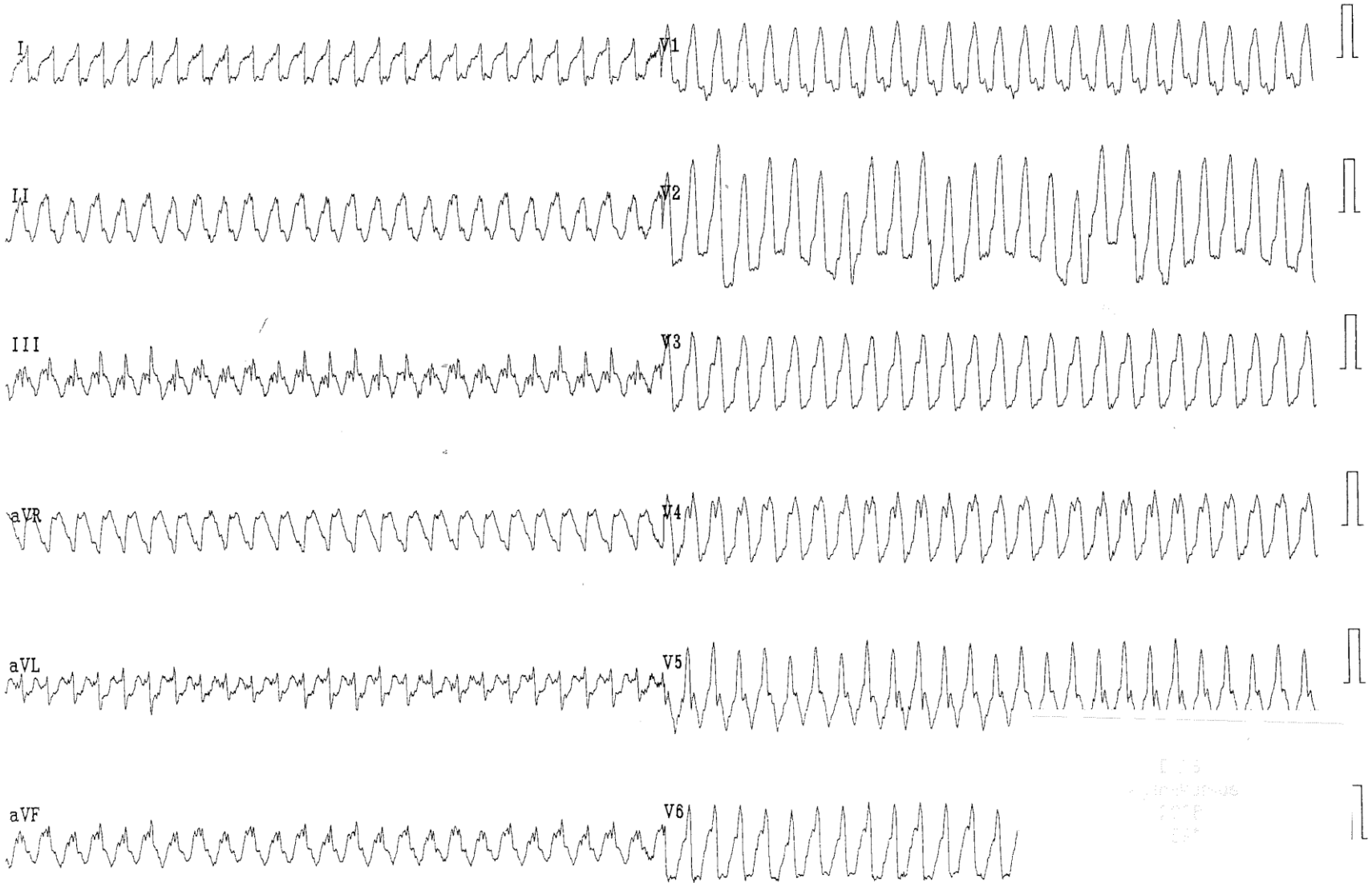
Case 38

CASE 38



Case 39

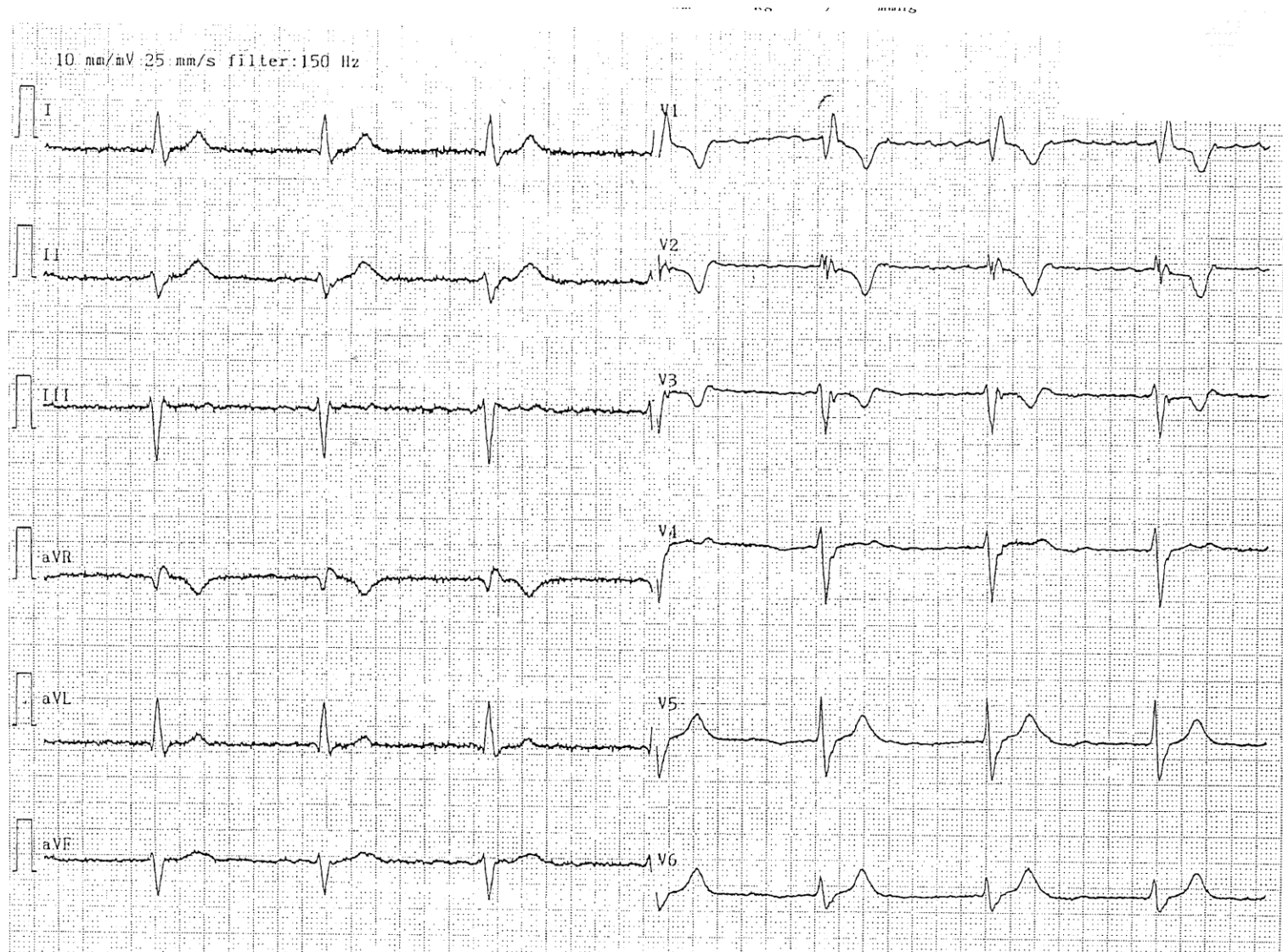
CASE 39



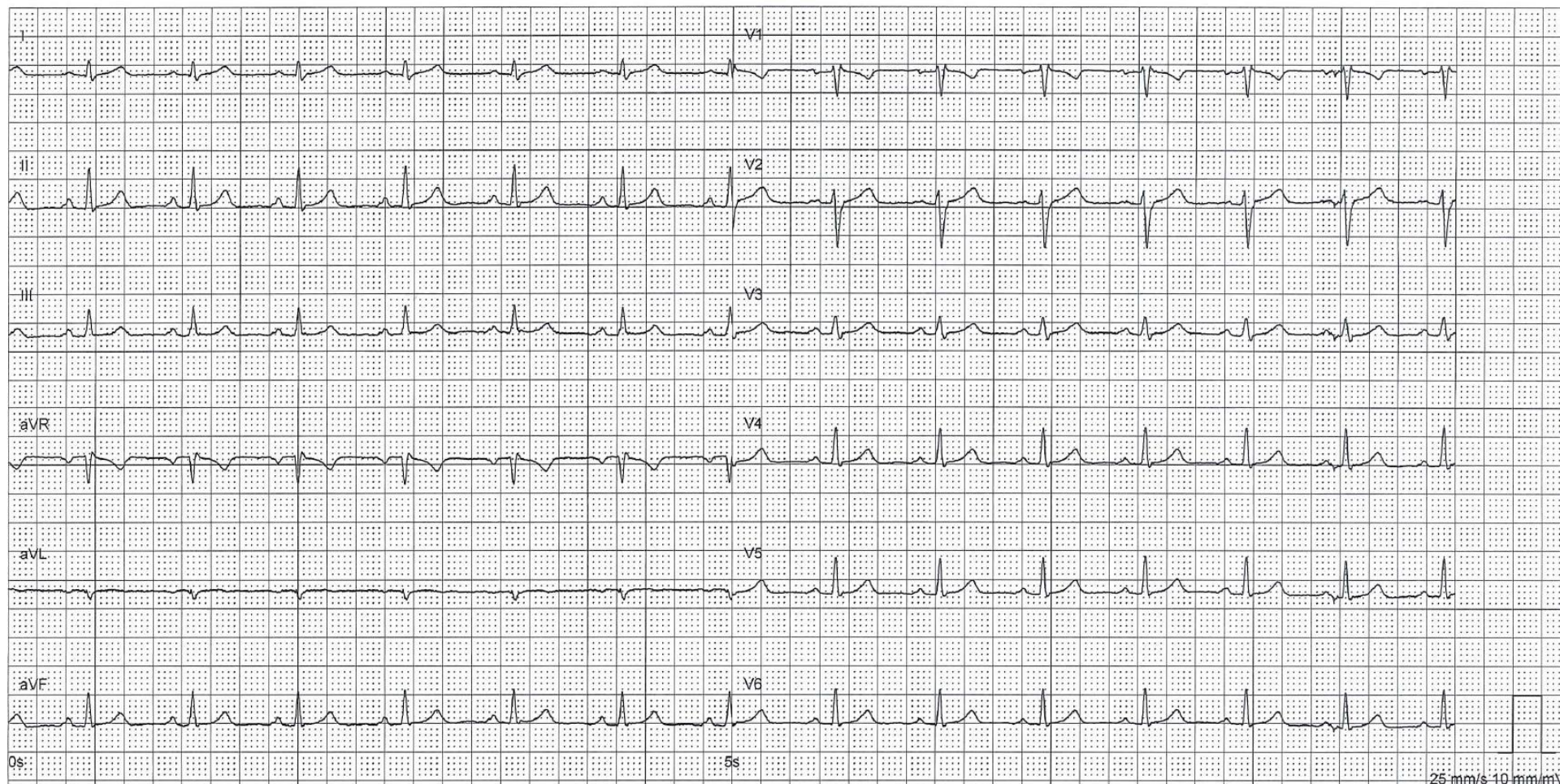
25 mm/s 10 mm/mV 100Hz 50Hz MEGACART

Case 40

CASE 40



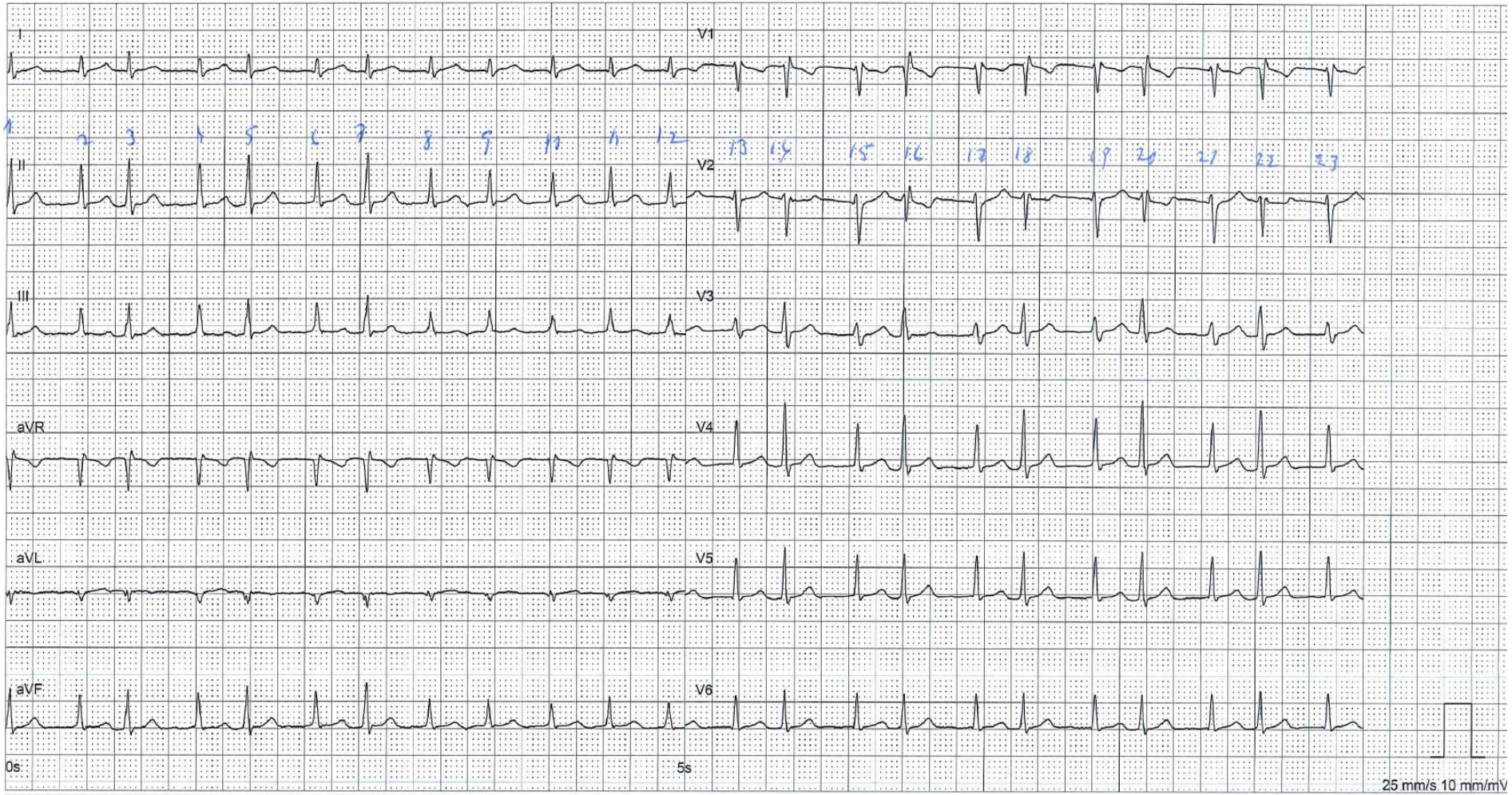
Case 41



25 mm/s 10 mm/mV



25 mm/s 10 mm/mV



Case 42

PRM02

I

II

III

AVR

AVL

AVF

V1

V2

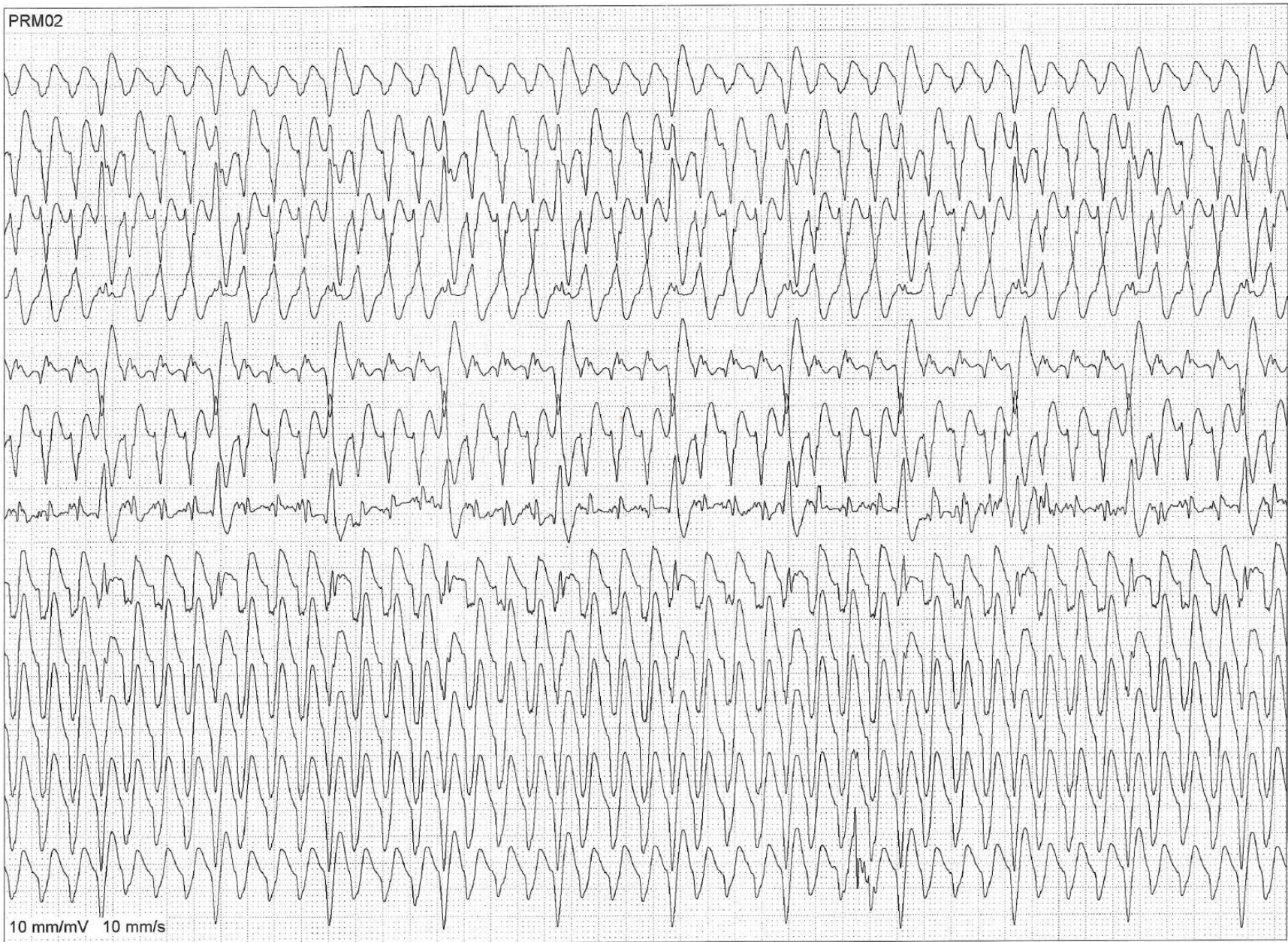
V3

V4

V5

V6

10 mm/mV 10 mm/s

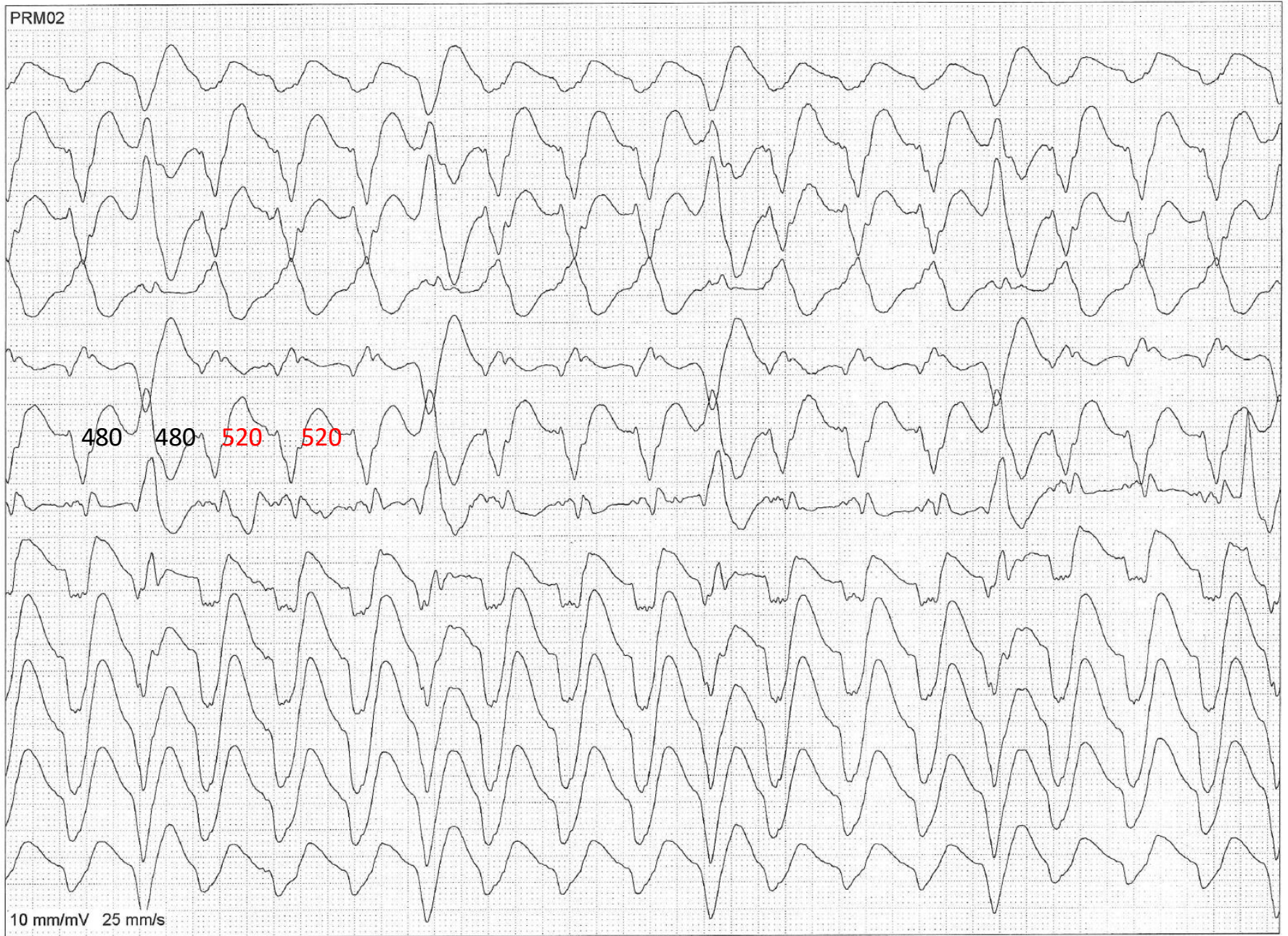


PRM02

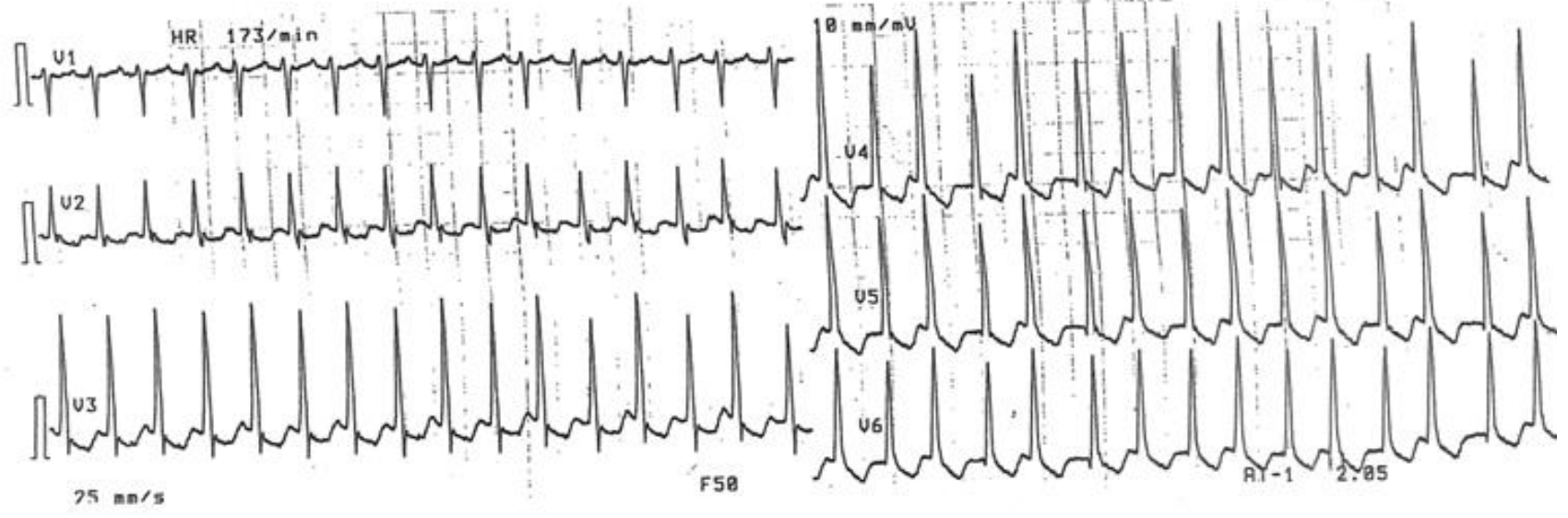
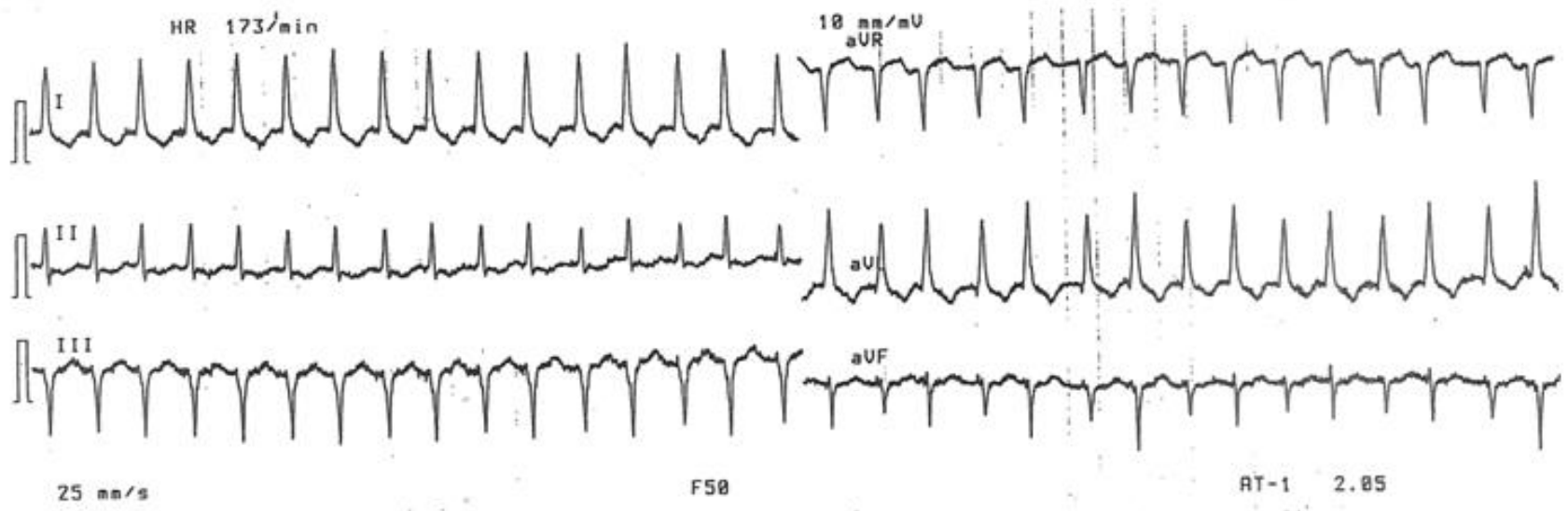
I
II
III
AVR
AVL
AVF
V1
V2
V3
V4
V5
V6

480 480 520 520

10 mm/mV 25 mm/s



Case 43



Case 44

FJ02

— 1 sek

I

II

III

AVR

AVL

AVF

V1

V2

V3

V4

V5

V6

10 mm/mV 10 mm/s



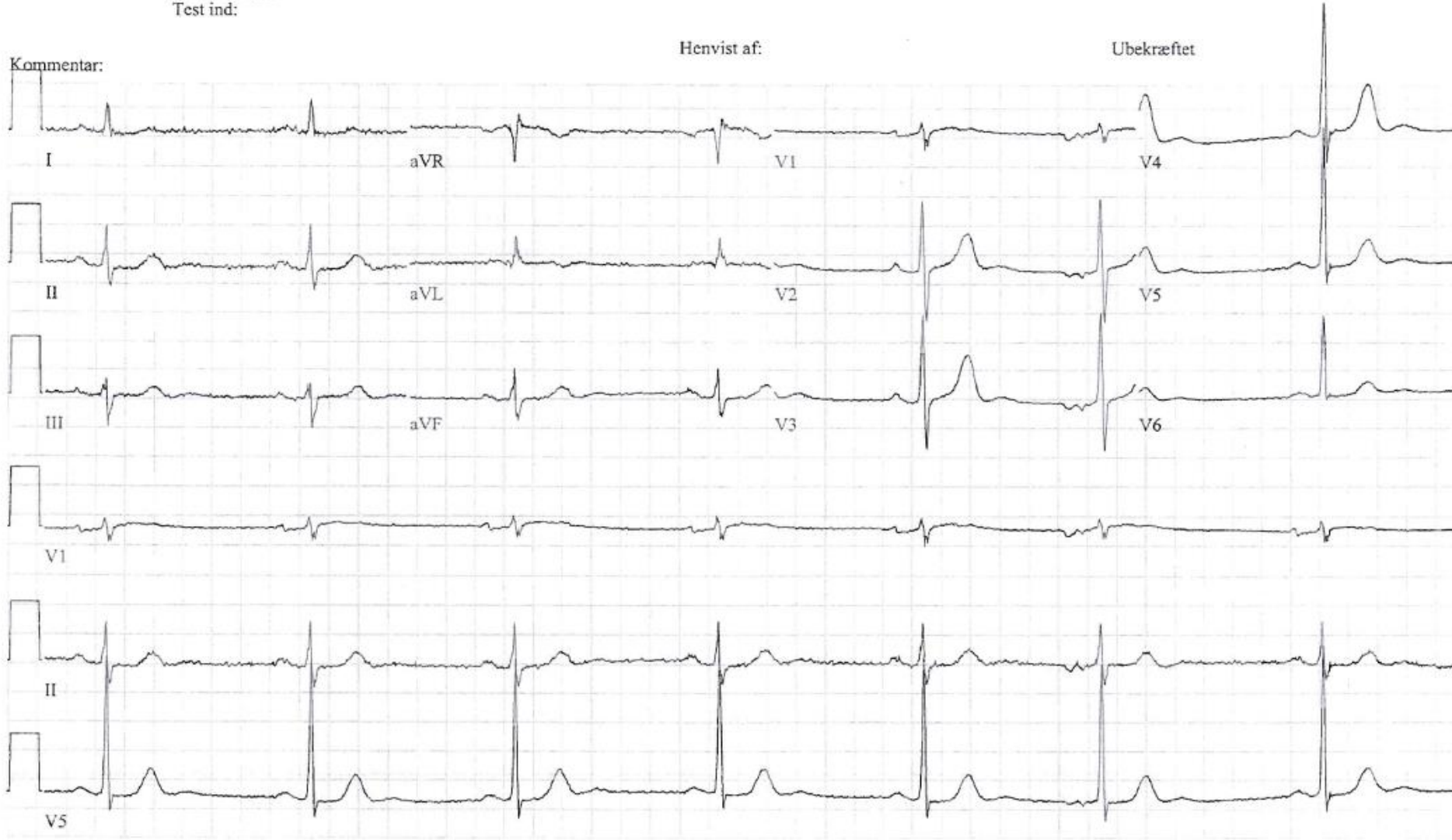
Case 45

Tekniker: siih
Test ind:

Henvist af:

Ubekræftet

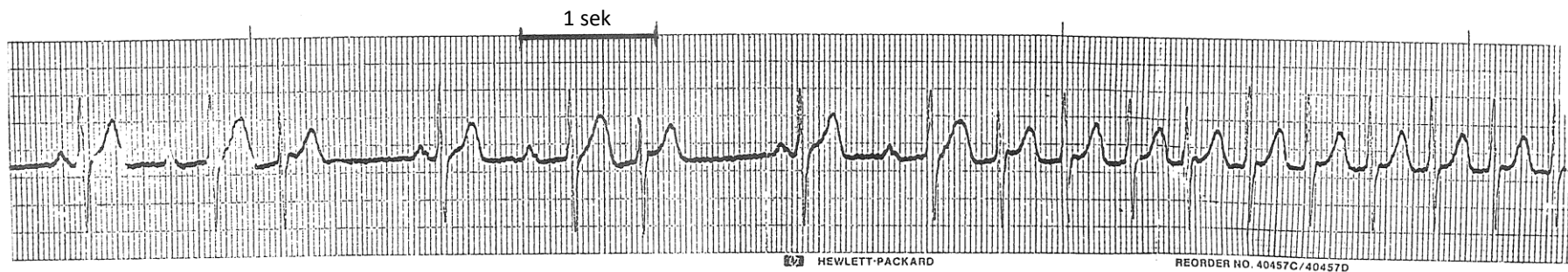
Kommentar:



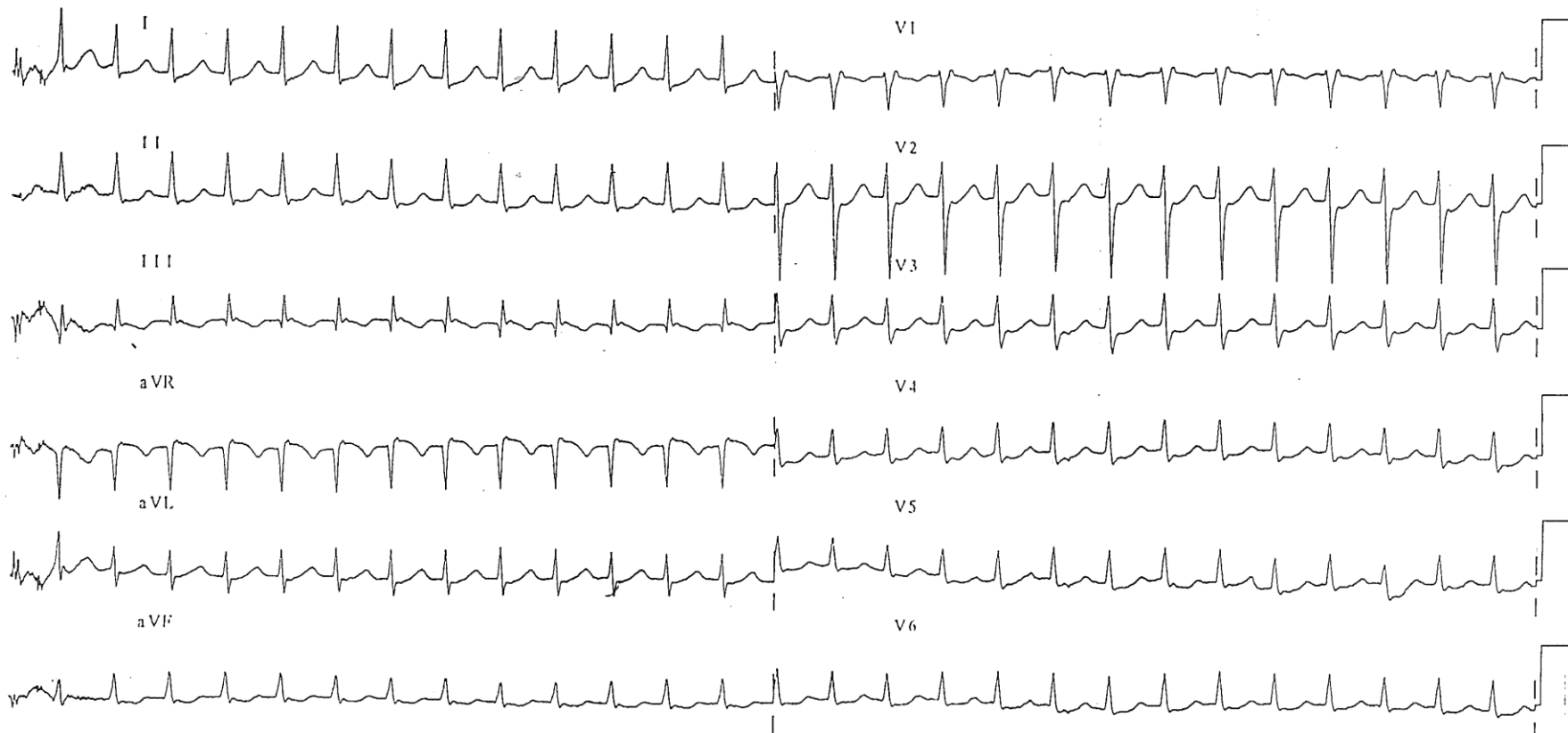


Case 46

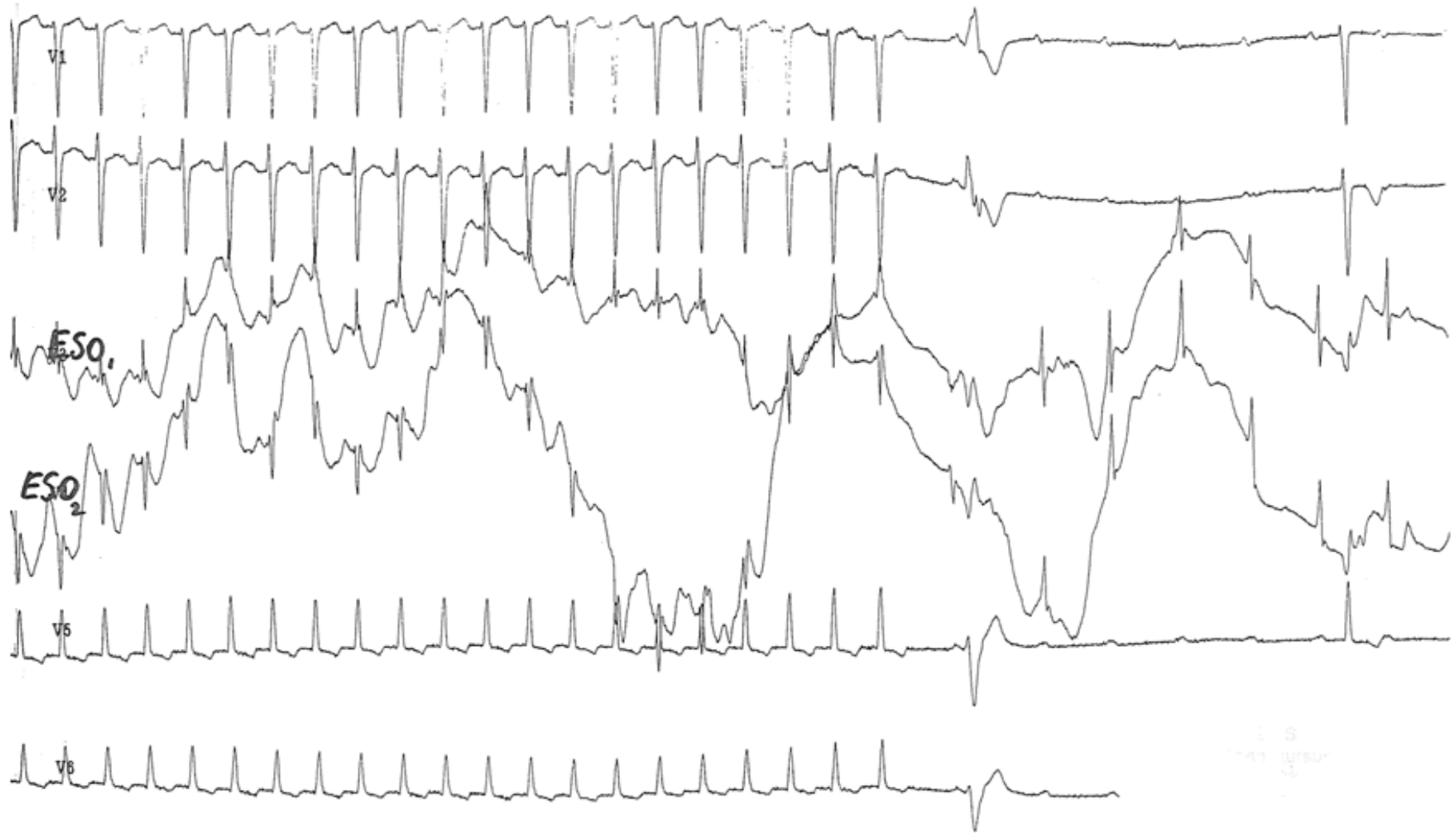
CASE 46a



CASE 46b



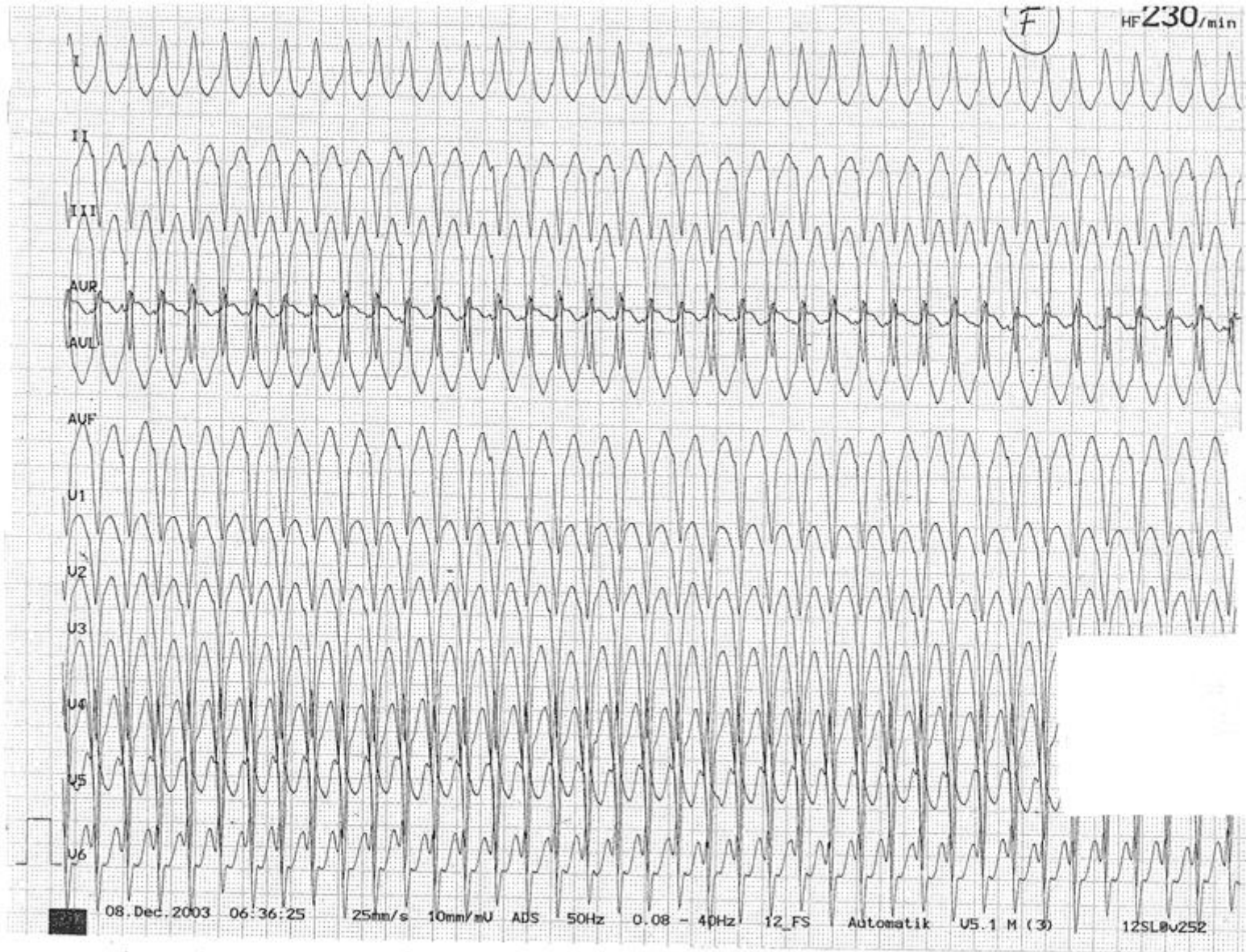
CASE 46c



25 mm/s
10 mm/mV

Case 47

CASE 47a



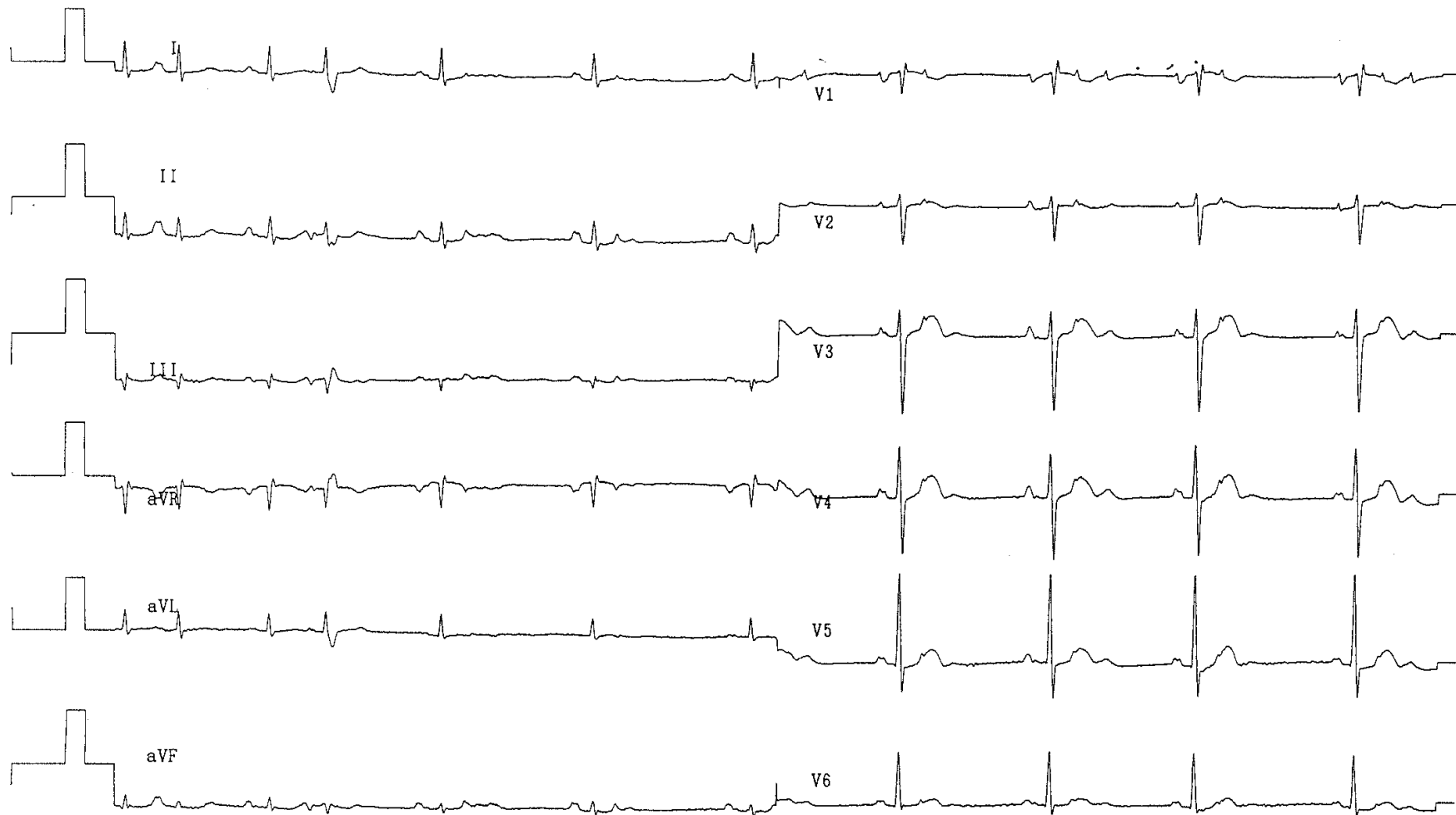
Case 49

CASE 49



Case 50

CASE 50



Case 53

CASE 53a

10 mm/mV

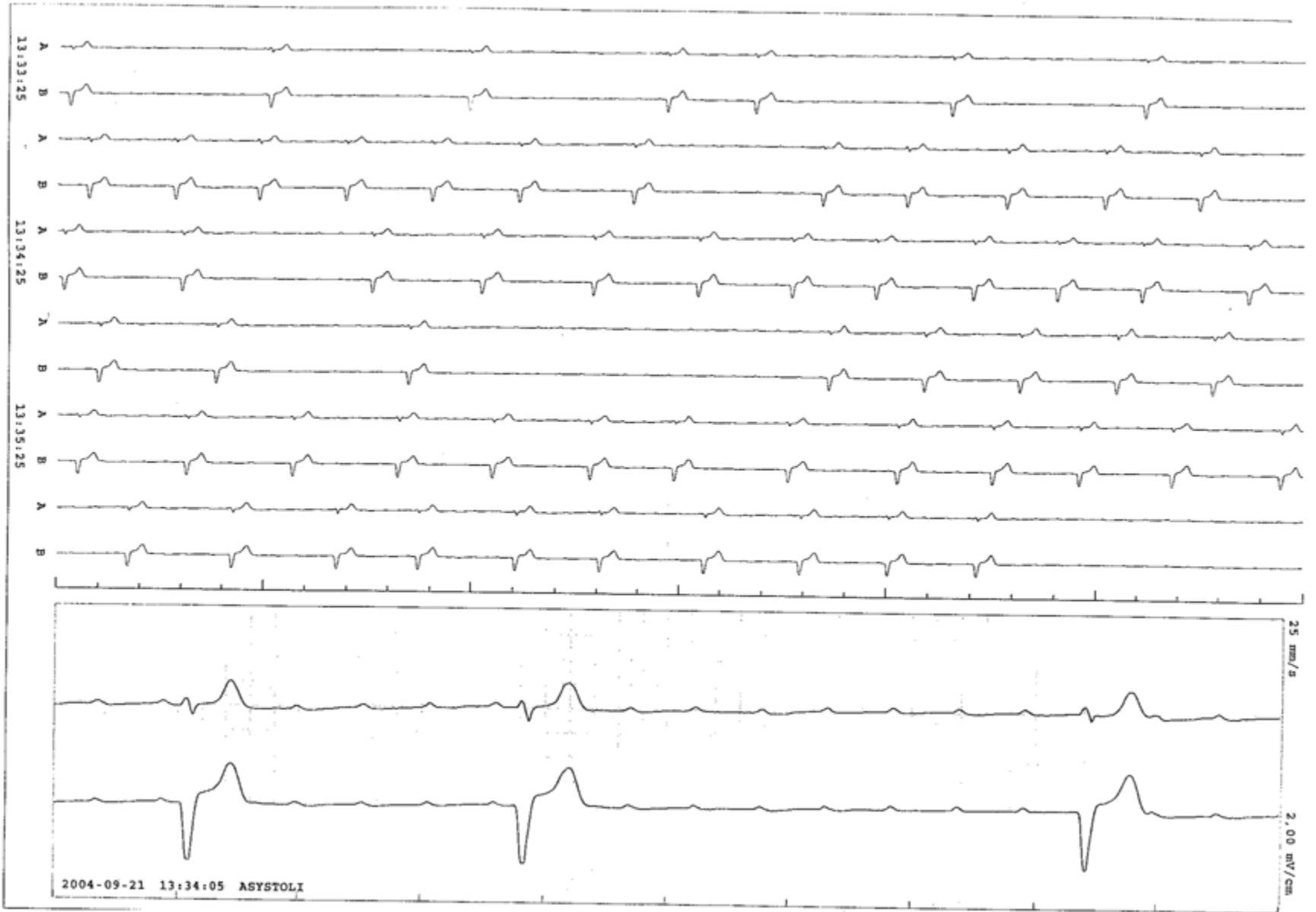
25 mm/s

Filter 100 Hz H 50 d

10 mm/mV



CASE 53b



Case 54

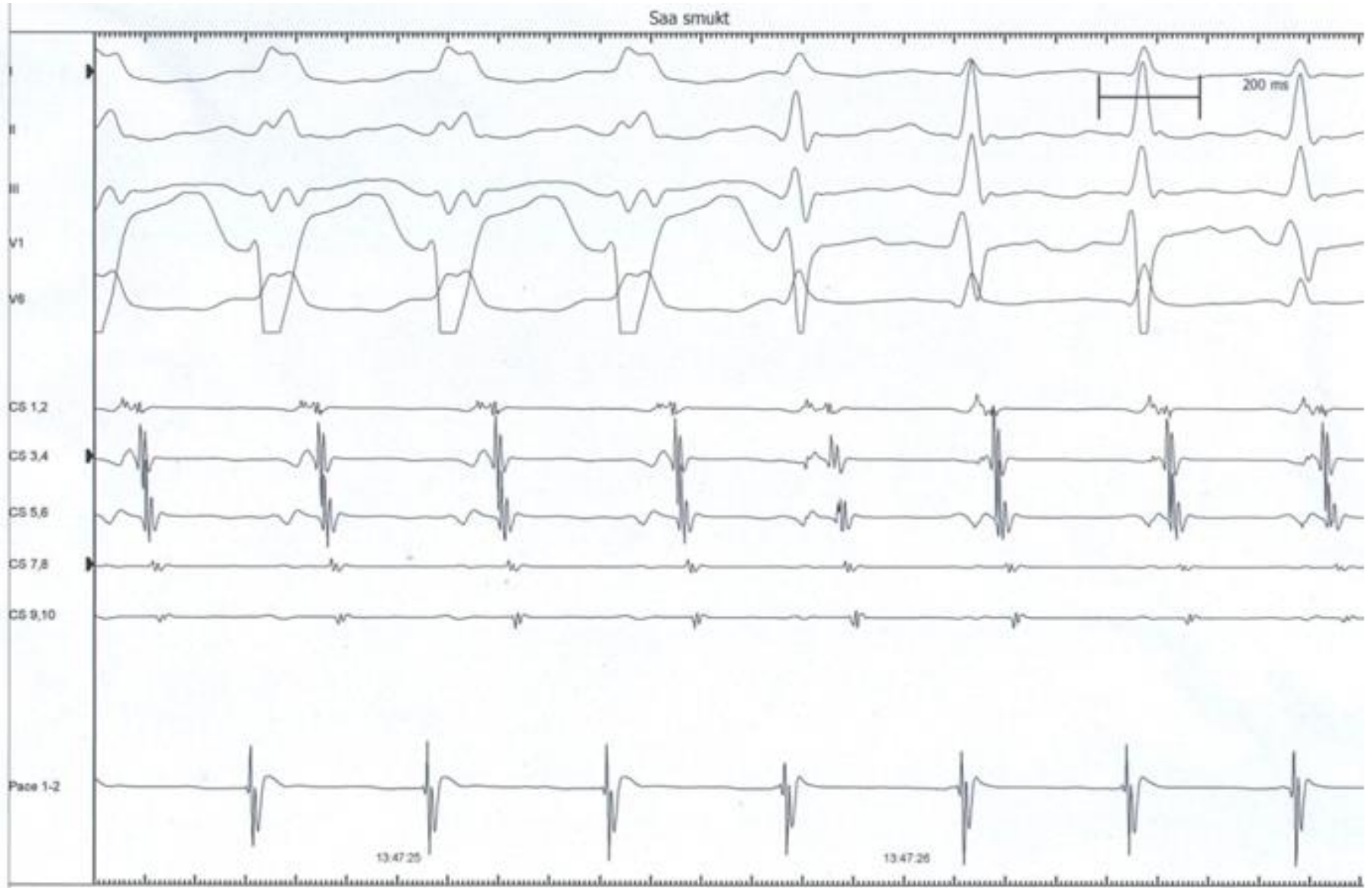
CASE 54a



CASE 54b

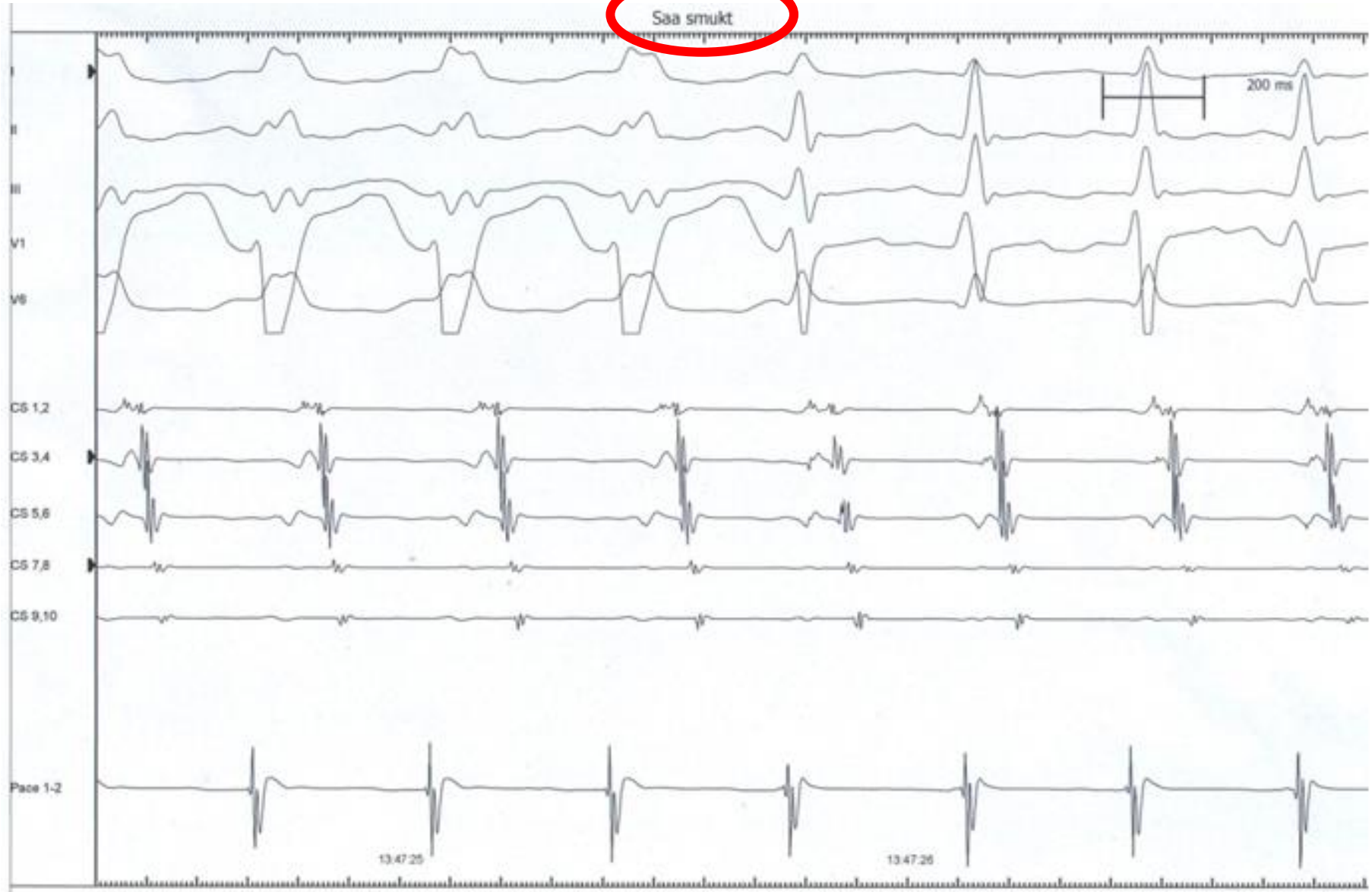


CASE 54c



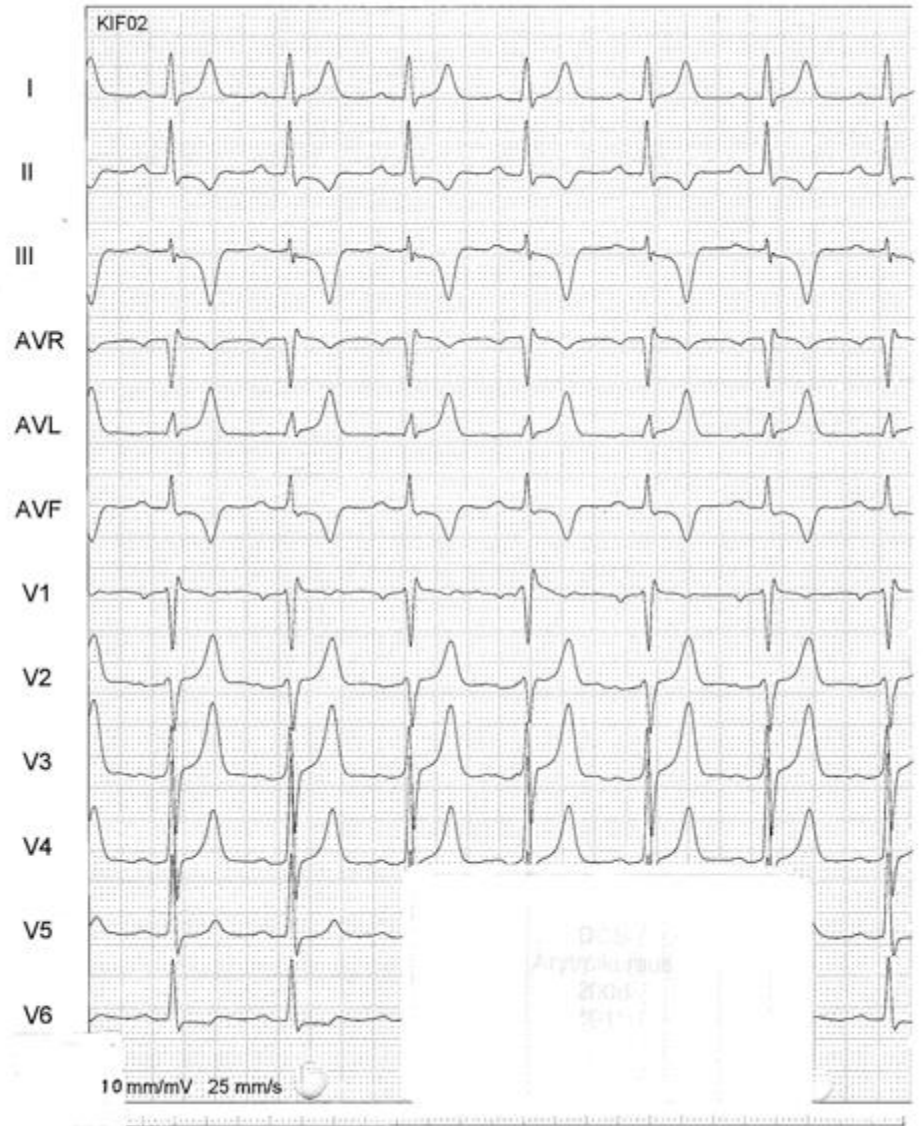
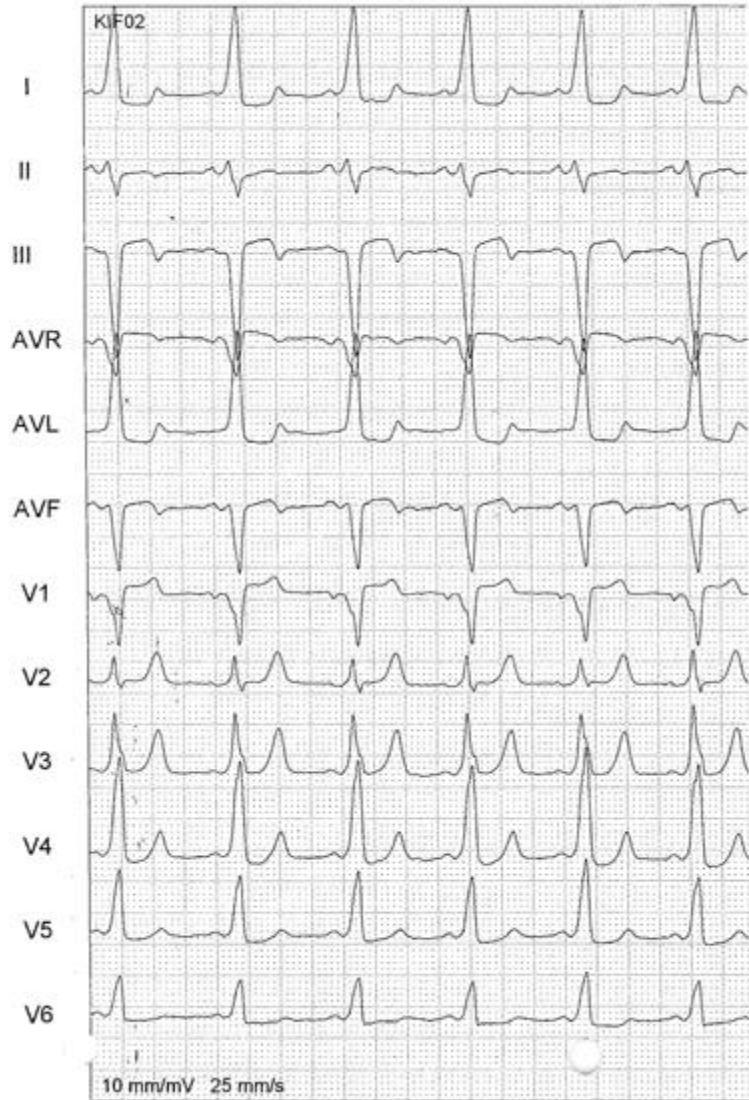
CASE 54c

Saa smukt



Case 55

CASE 55

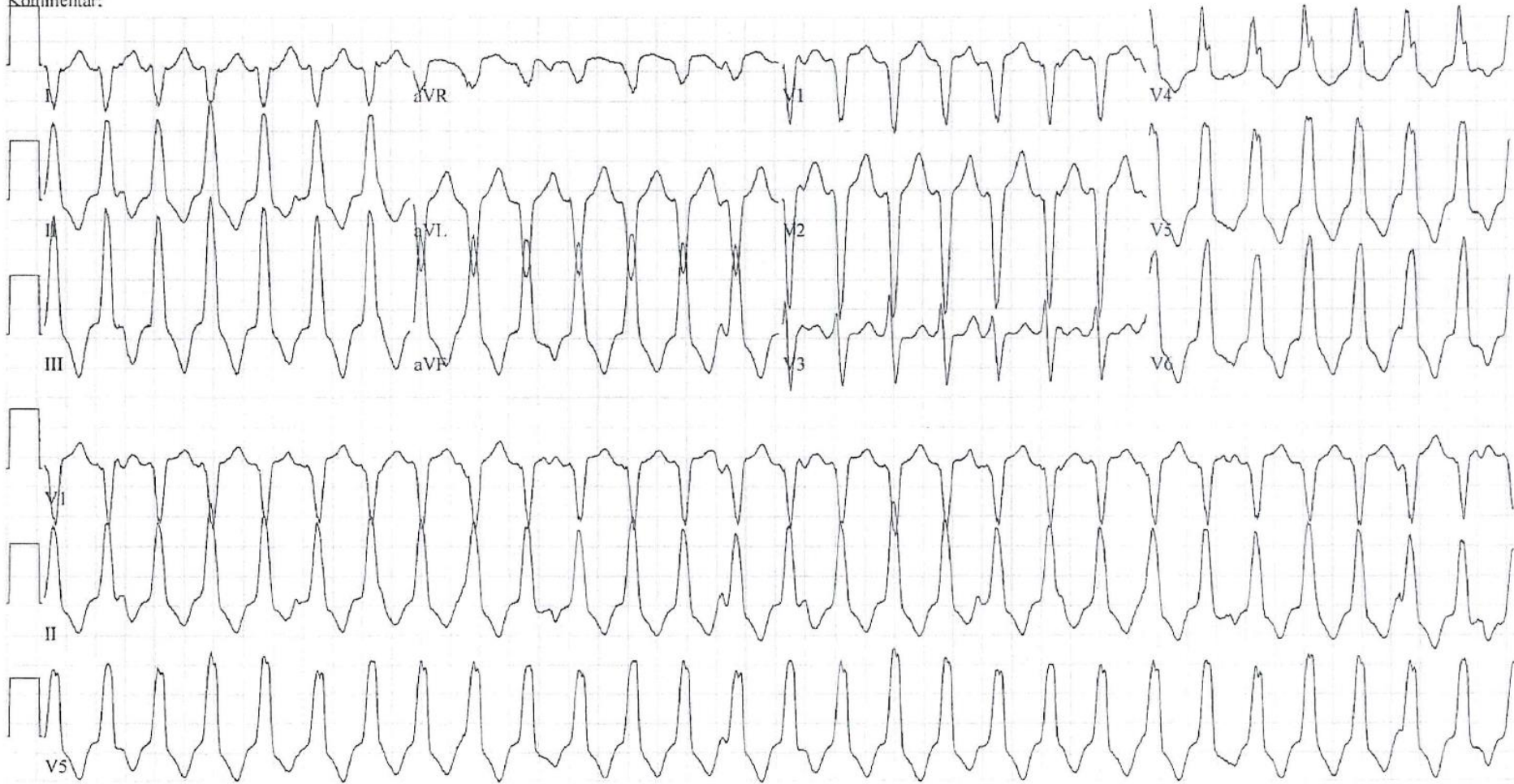


Case 56

Kommentar:

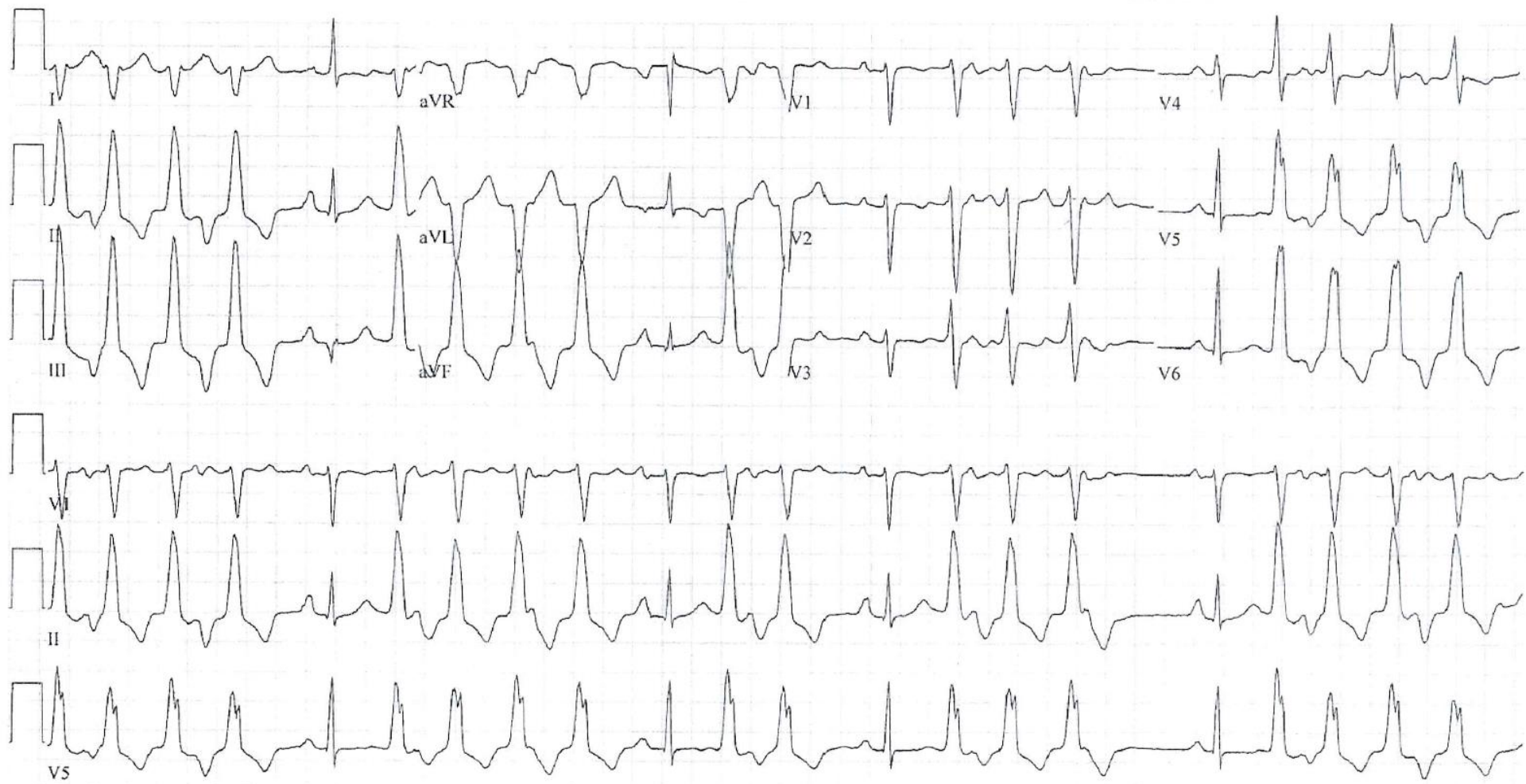
Henvist af:

Ubekræftet



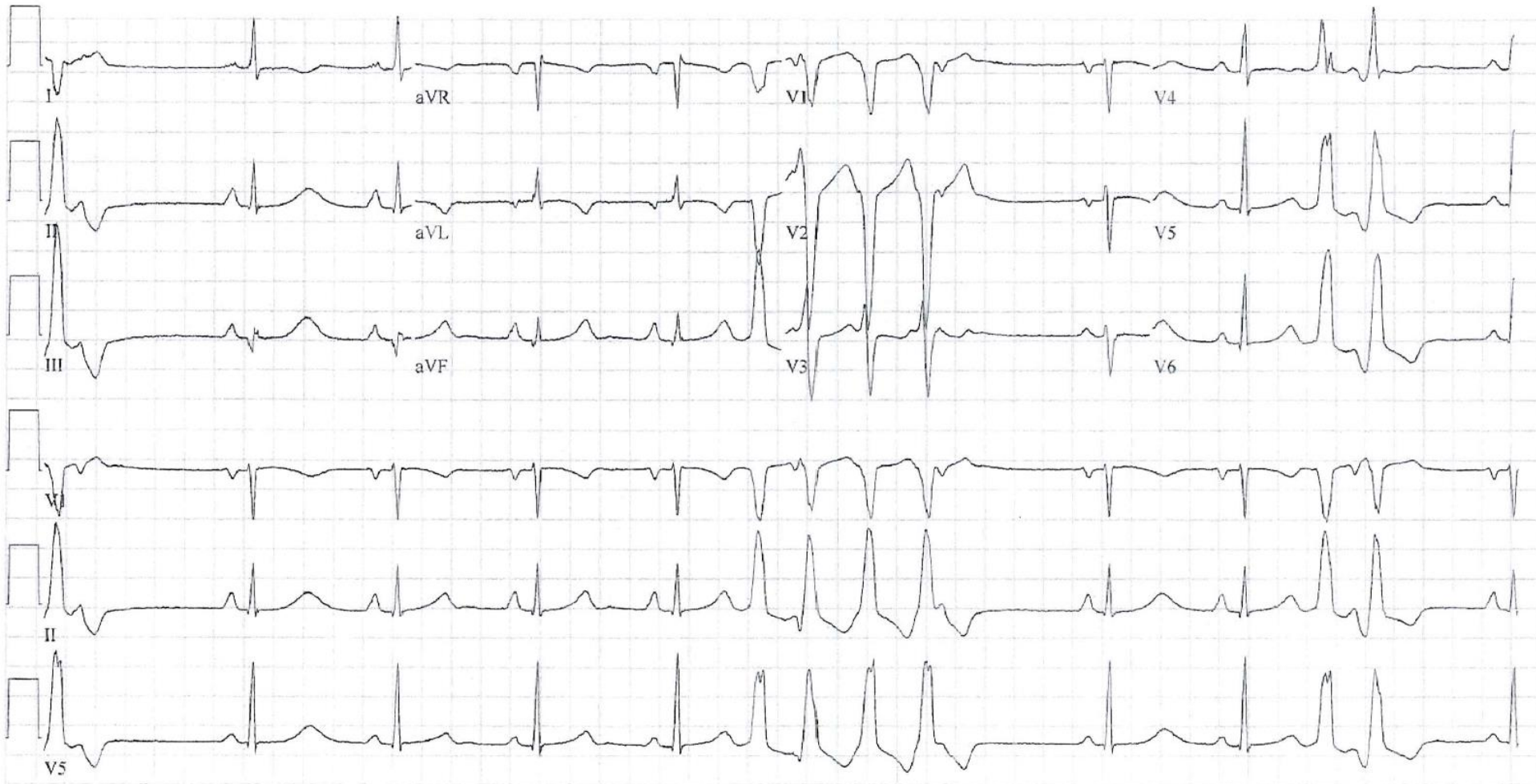
25mm/s 10mm/mV 150Hz 8.0.1 12SL 241 HD Vogn-ID: 3

EID: EDT: BESTILLING:



25mm/s 10mm/mV 150Hz 8.0.1 I2SL 241 HD Vogn-ID: I

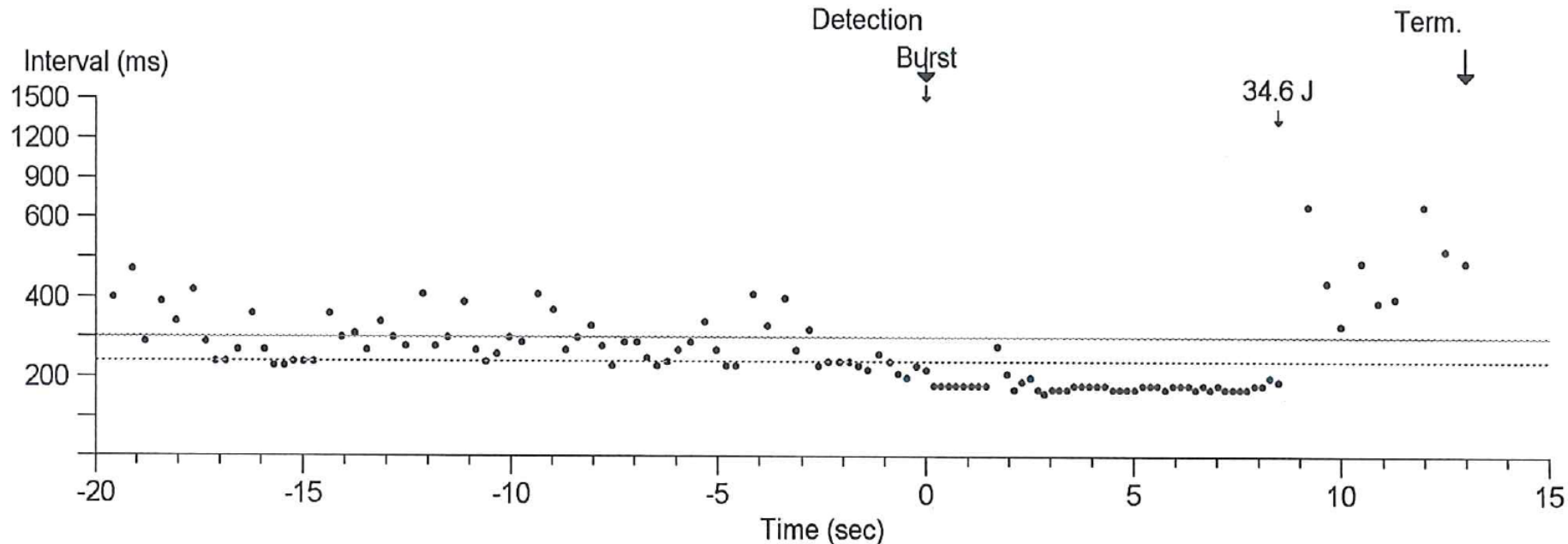
EID: EDT: BESTILLING:



Case 57

Type	ATP Seq	Shocks	Success	ID#	Date	Time hh:mm	Duration hh:mm:ss	Avg bpm V	Max bpm V	Activity at Onset
VF	1	35J	Yes	36	18-Dec-2013	14:31	:01:08	286	---	Active

• V-V VF = 300 ms FVT = 240 ms



60 årig mand, kendt med atrieflimren. Non-IHD kardiomyopati, primær profylaktisk ICD.
Hård fysisk arbejde i forbindelse med bilreparation. Besvimer

Episode Summary

Initial Type	VF (spontaneous)
Duration	1.1 min
V. Max Rate	---
V. Median	261 bpm (230 ms)
Activity at onset	Active, Sensor = 83 bpm
Last Therapy	VF Rx1: Defib, Successful

Initial VT/VF Detection

Withheld By	None
--------------------	------

Therapies Delivered Charge Ohms Energy

VF Rx 1 Burst	During Charging			
VF Rx 1 Defib	34.6 J	8.06 sec	48 ohms	0.0 - 35 J
Termination				

Wavelet Measurements Prior to Initial VT/VF Detection

Wavelet Result: Wavelet not applied; interval too fast or too slow
 Template Status: OK

- 8. No Match 58 %
- 7. No Match --- Interval too fast
- 6. No Match --- Interval too fast
- 5. Match 70 %
- 4. No Match 43 %
- 3. No Match --- Interval too fast
- 2. No Match --- Interval too fast
- 1. No Match --- Interval too fast
- 0. Detection

Parameter Summary

Mode	VVI	Lower Rate	40 bpm
Detection		Rates	Therapies
VF	On	>200 bpm	ATP During Charging, 35J x 6
FVT	via VF	200-250 bpm	Burst(2), Ramp(2), 35J x 4
VT	OFF		All Rx Off
Enhancements On: Wavelet, TWave, Noise			

Parameter Settings Initial Redetect V. Interval (Rate)

VF	On	30/40	12/16	300 ms (200 bpm)
FVT	via VF			240 ms (250 bpm)
VT	Off	16	12	
Monitor	Off	20		

Wavelet

Wavelet	On, Match = 70 %
Template	05-Oct-2012, Auto = On
SVT V. Limit	260 ms

Other Enhancements

Stability	Off
Onset	Off
High Rate Timeout	
VF Zone Only	Off
TWave	On
RV Lead Noise	On

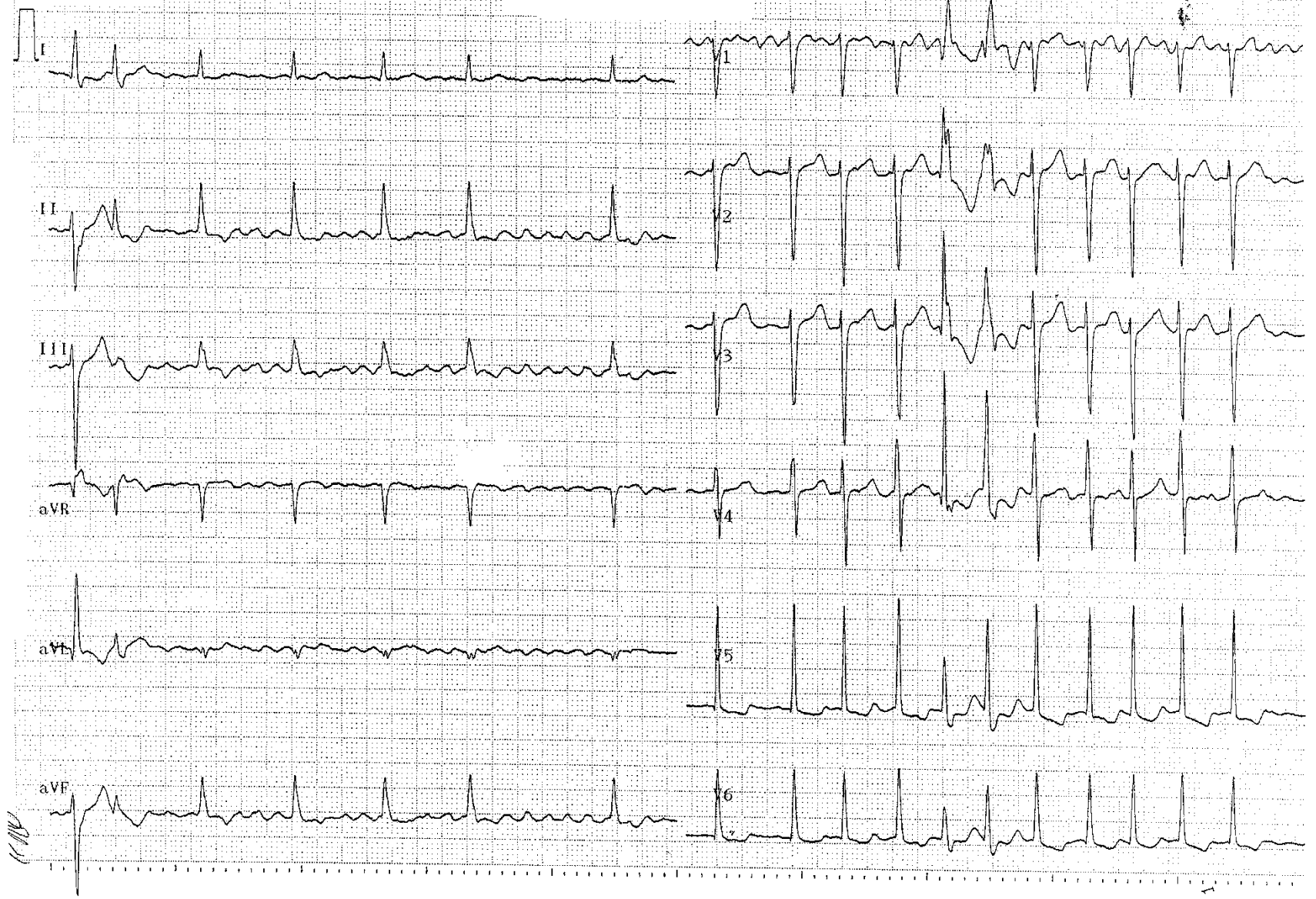
EGM Source Range Sensitivity

EGM1	RVtip to RVring	+/- 8 mV	RV	0.3 mV
EGM2 (Wavelet)	Can to RVcoil	+/- 8 mV		

Case 58

25 mm/s Filter 35 Hz H 50 d

10 mm/mV

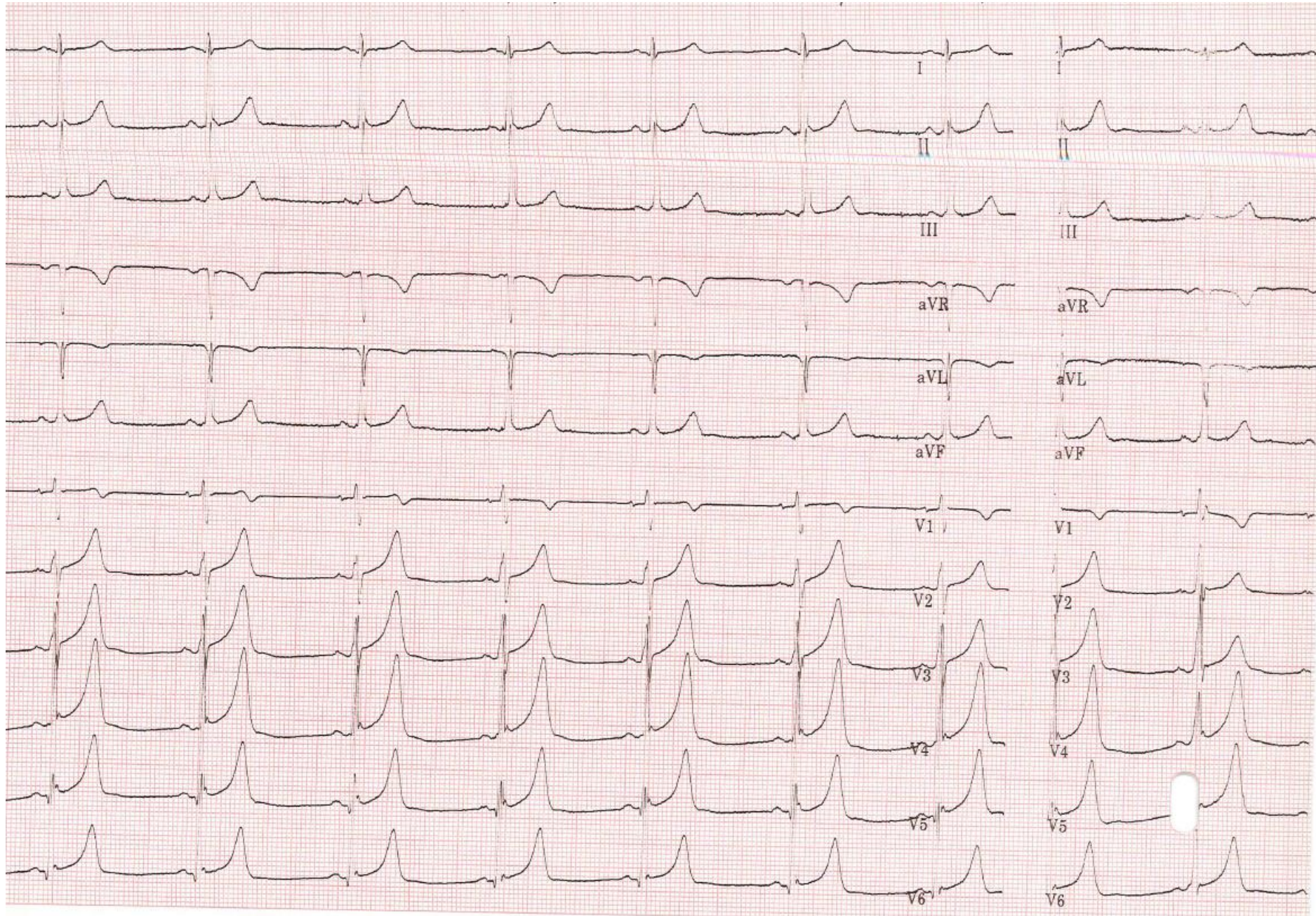


11/12

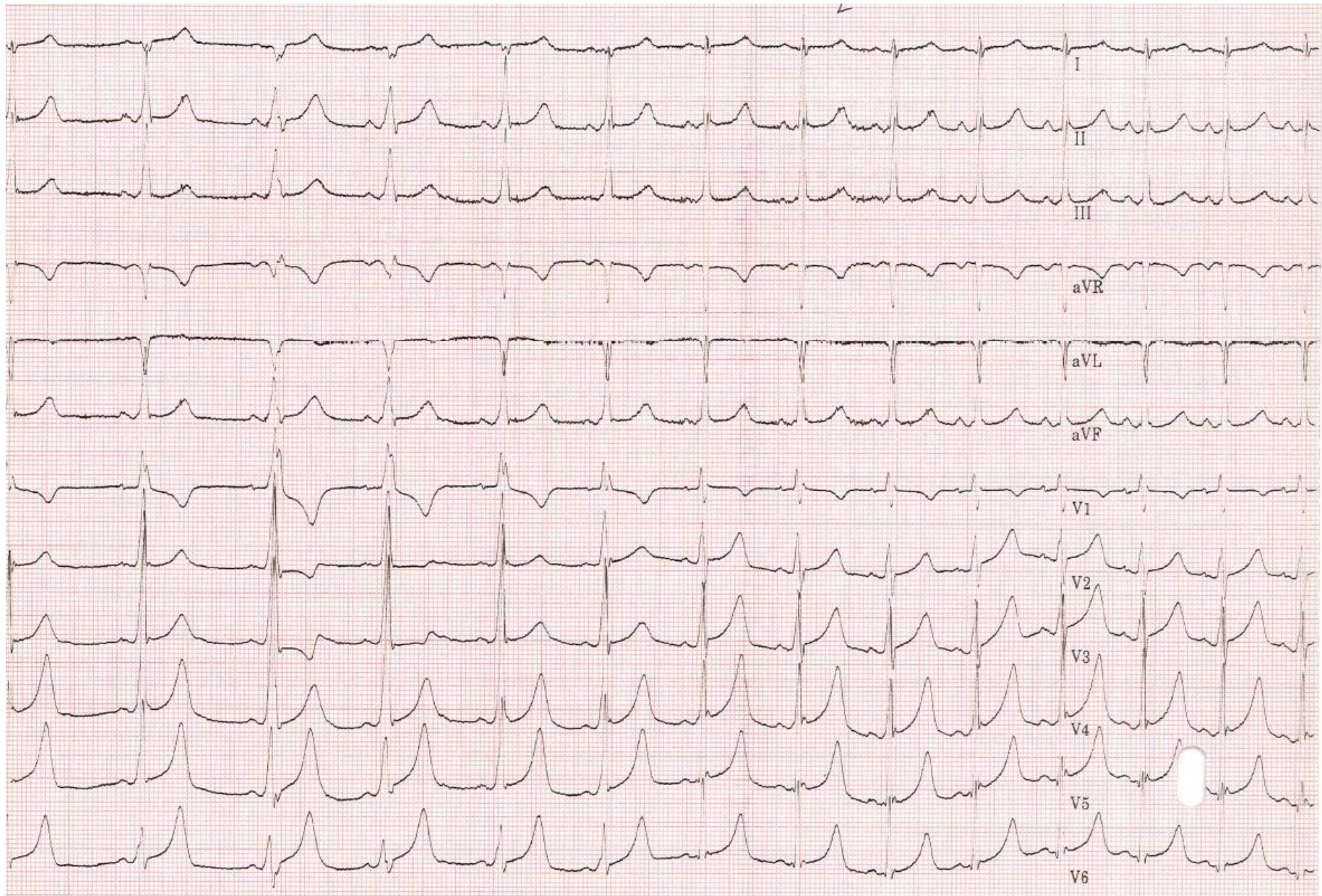
Case 59

59a

Adenosin iv.



59b (cont.)



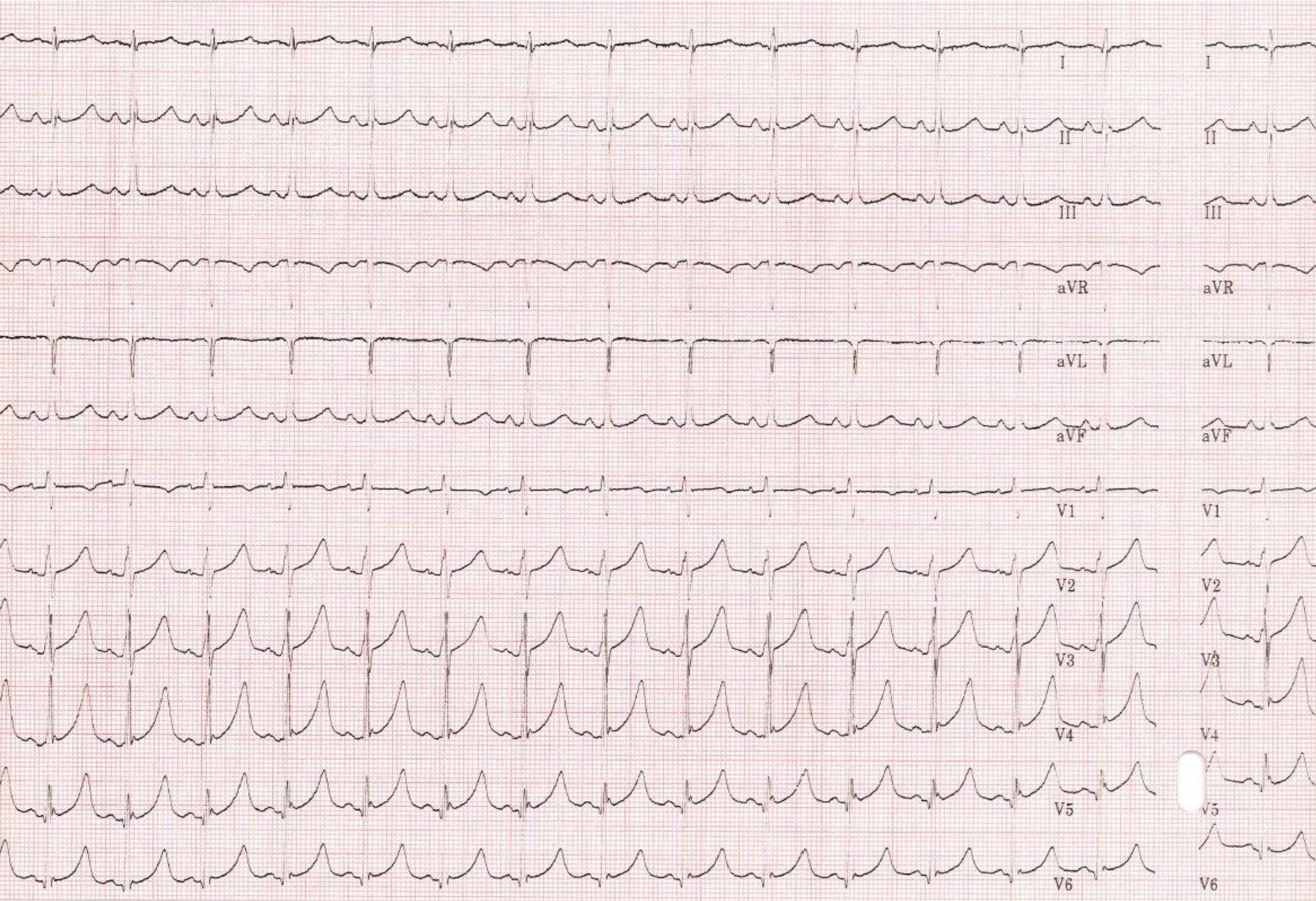
10.0 mm/mV

MAC35 010A.1

0.16-150 Hz

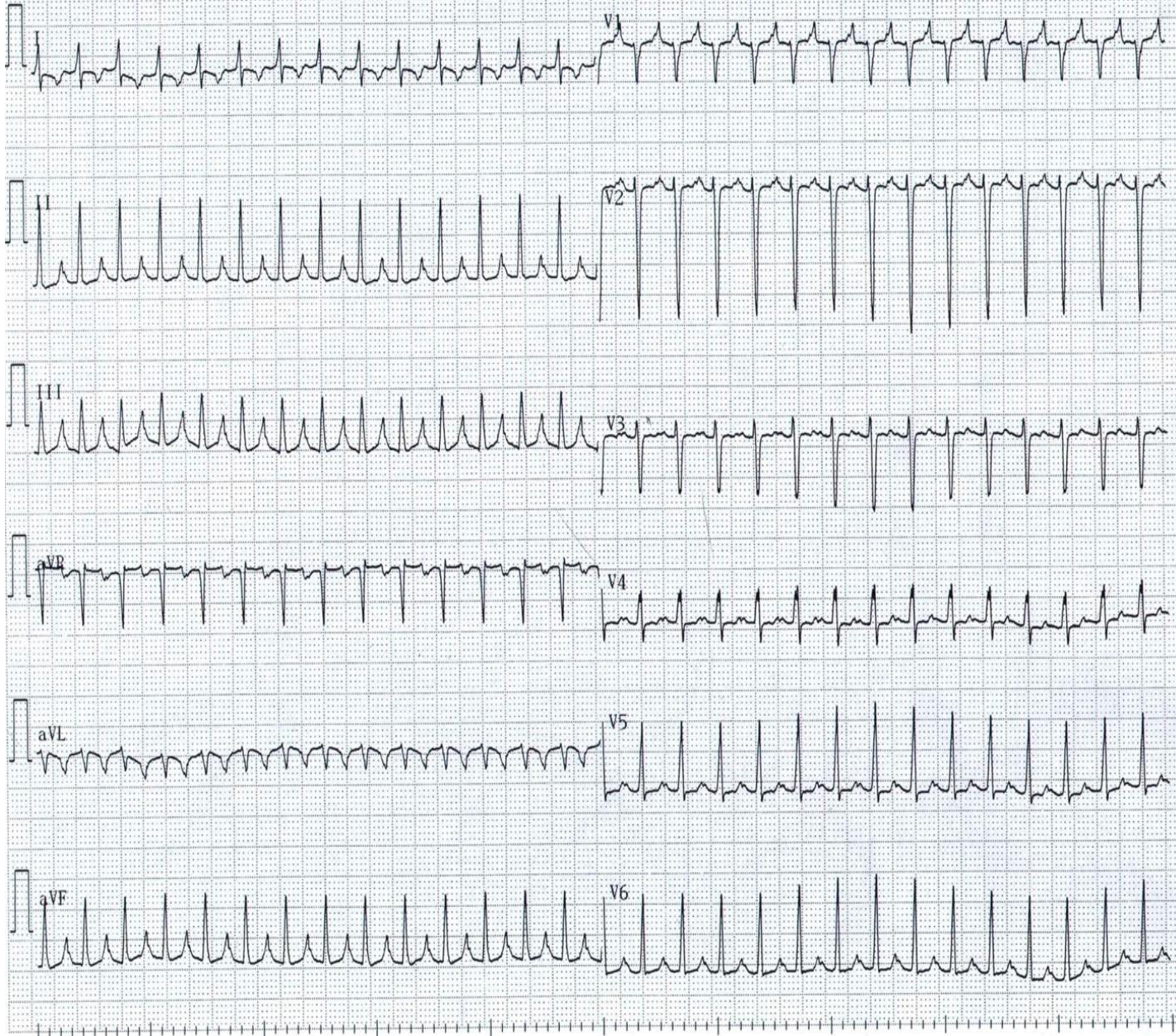
25.0 mm/s

59c (cont.)

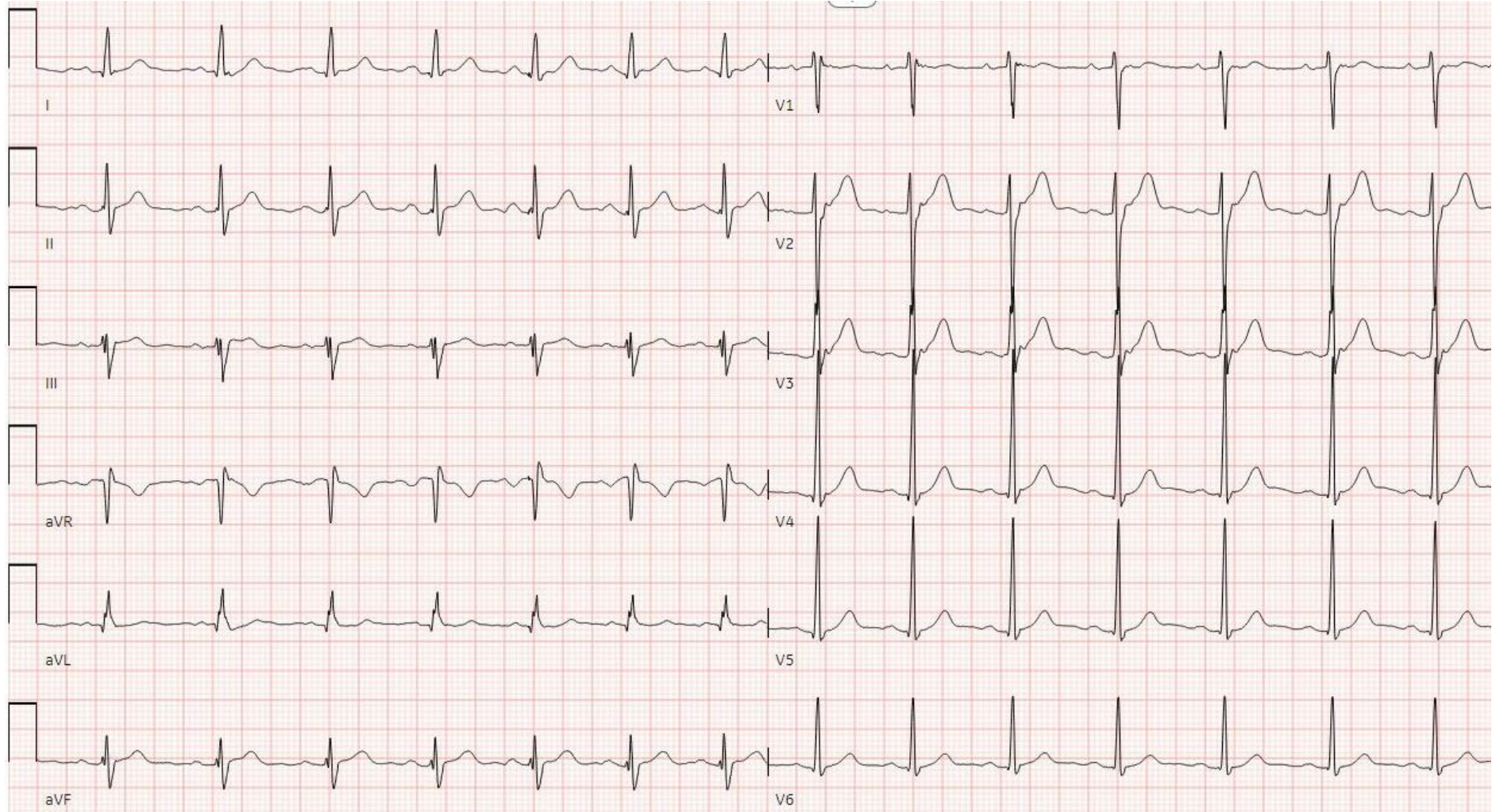


Case 60

10 mm/mV 25 mm/s filter:150 Hz



Case 61



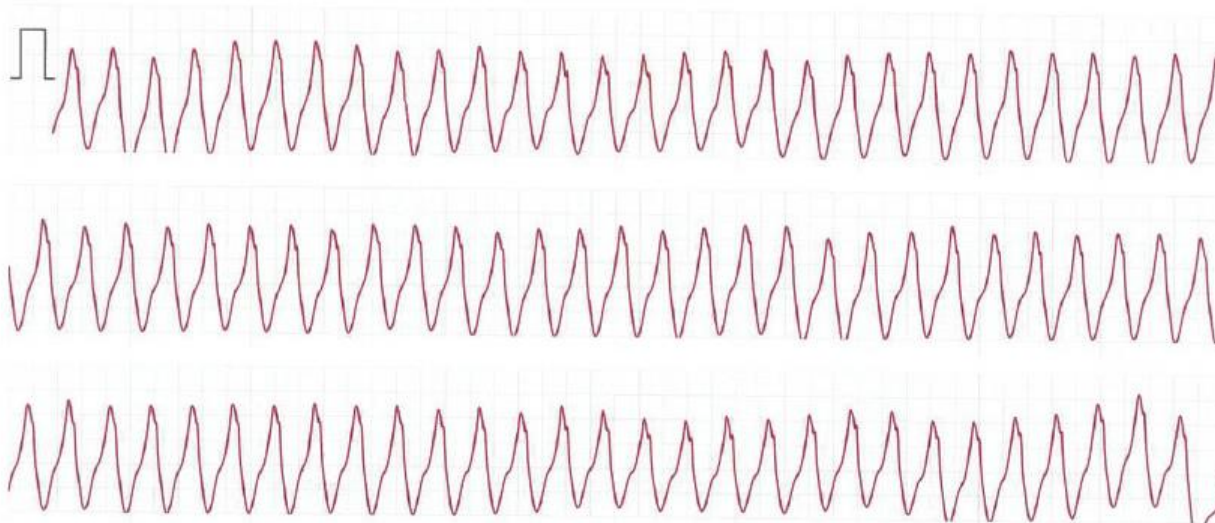
Puls er over 150 - ❤️ 177 SPM i gennemsnit

Dette ekg blev ikke undersøgt for atrieflimren, fordi din puls var over 150 SPM.

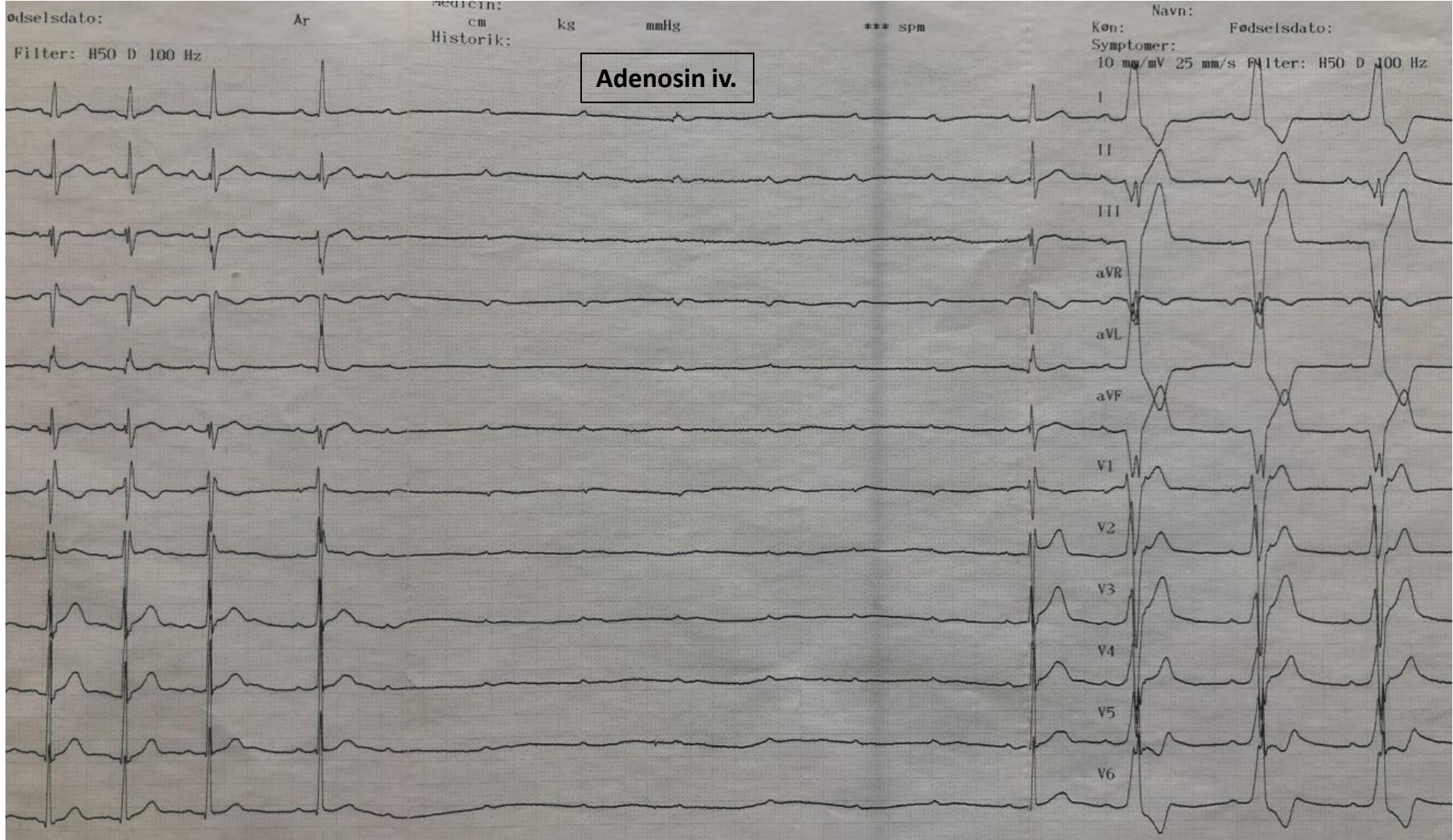
Hvis du gentagne gange får dette resultat, eller hvis du føler dig utilpas, bør du tale med din læge.

Rapporterede symptomer

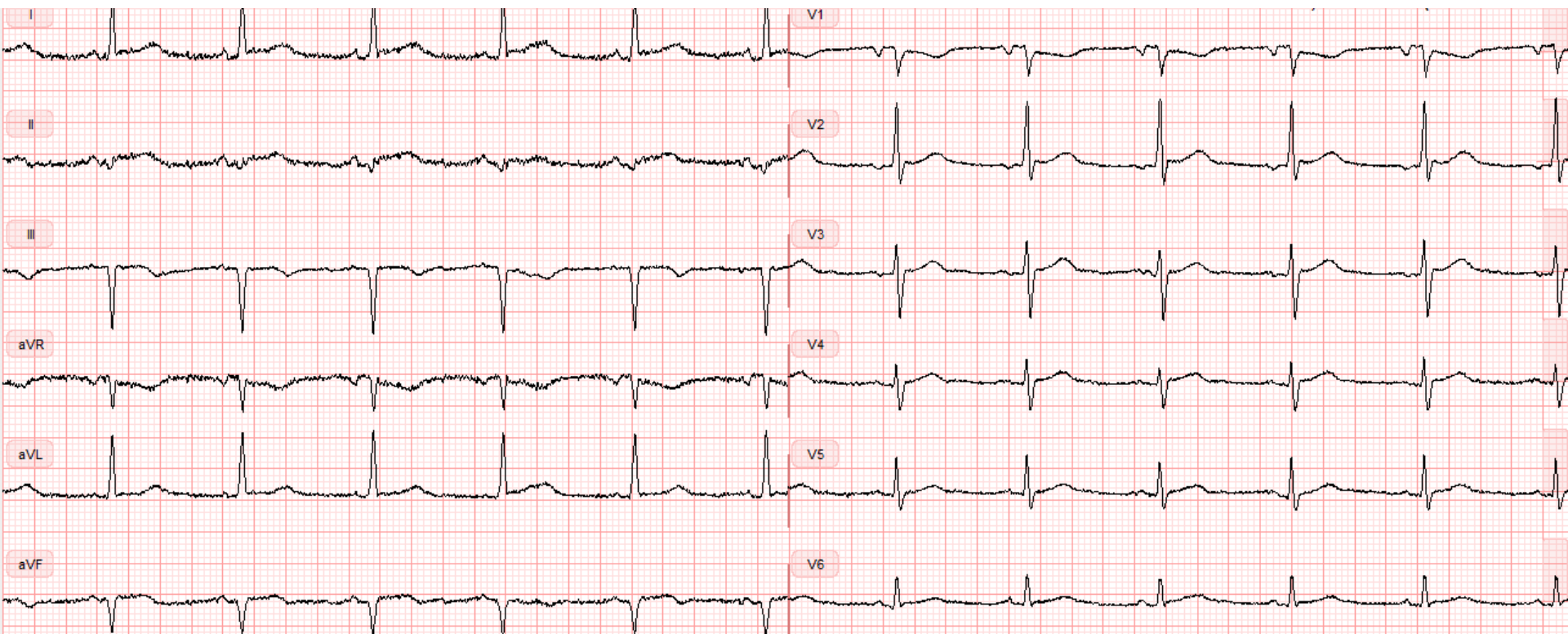
- Hurtig puls, uregelmæssig hjerterytme eller hjertebanken
- Træthed
- Andet

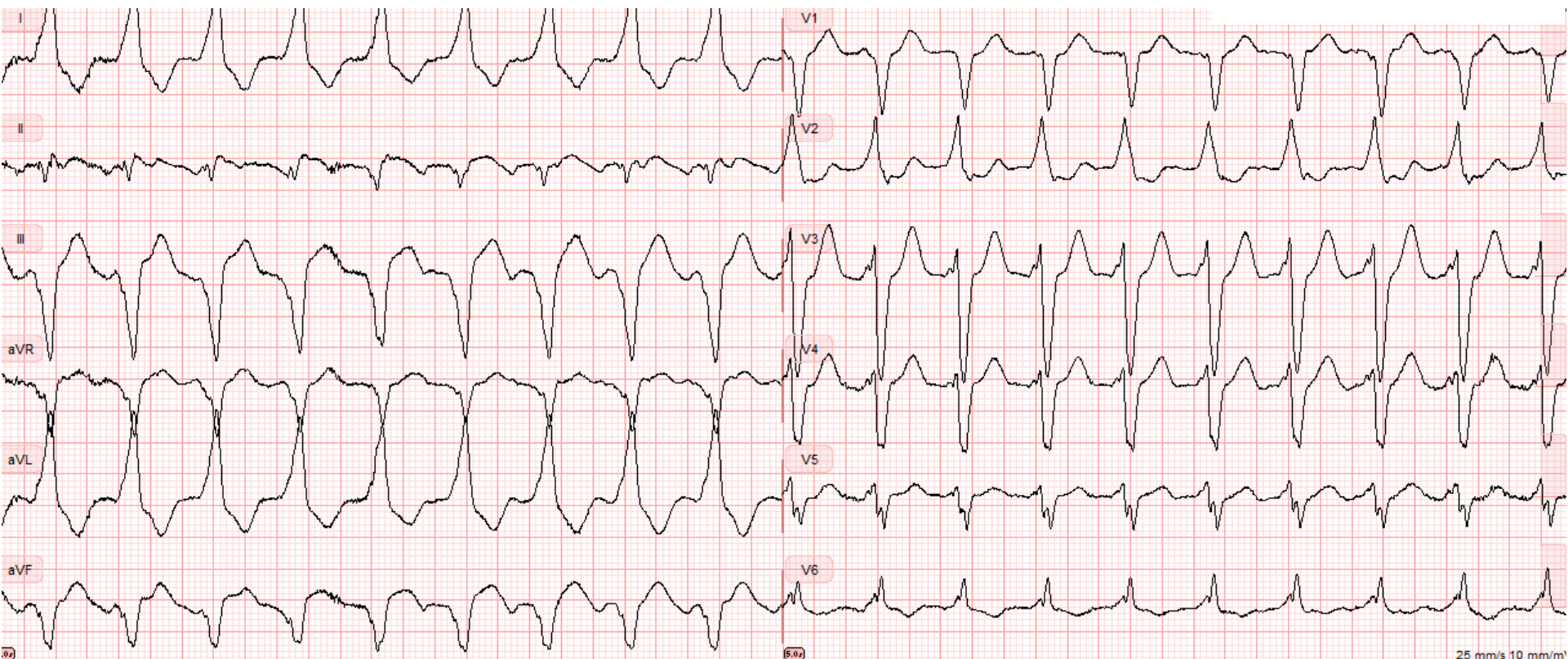


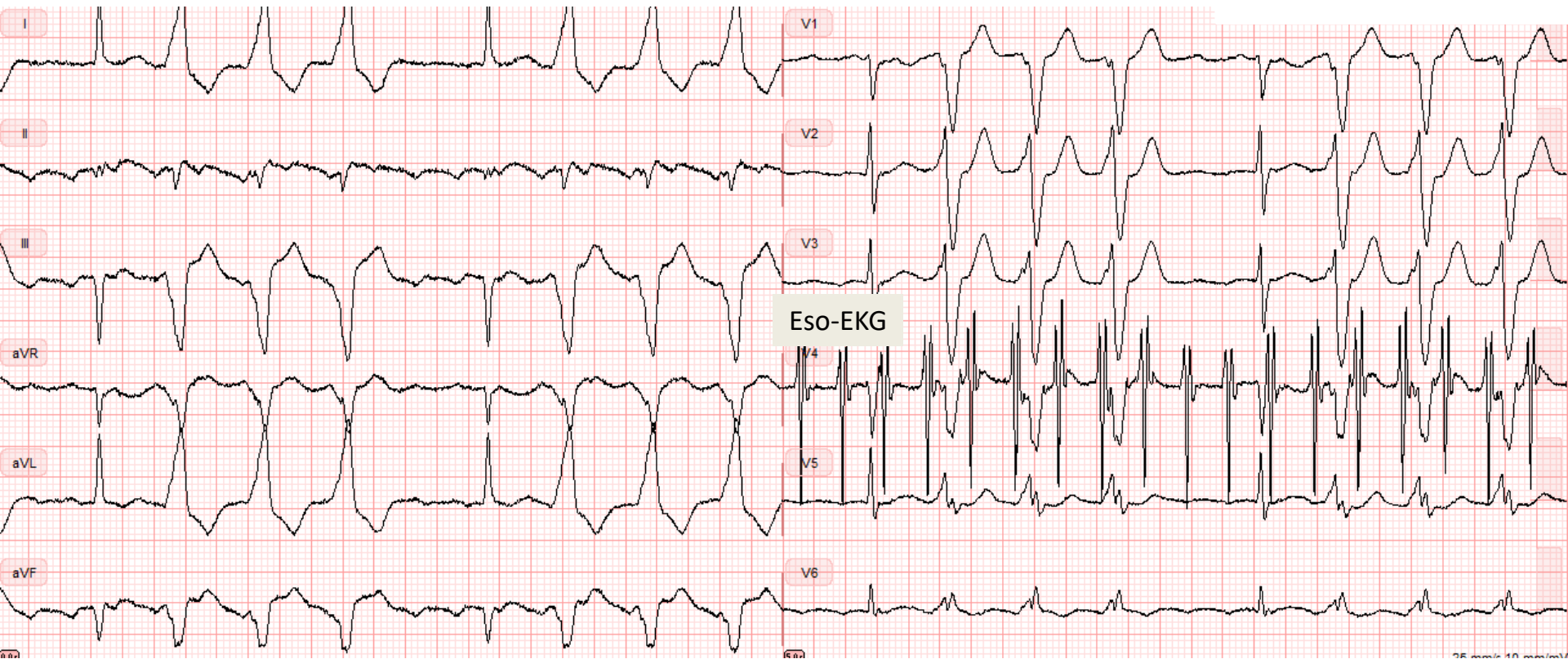
25 mm/s, 10 mm/mV, Elektrode I, 512 Hz, iOS 15.3.1, watchOS 8.4.2, Watch6,1, Algoritmeversion 2 – Bølgeformen svarer til et ekg med 1 afledning (Lead I ECG). Se brugermanualen for at få flere oplysninger.

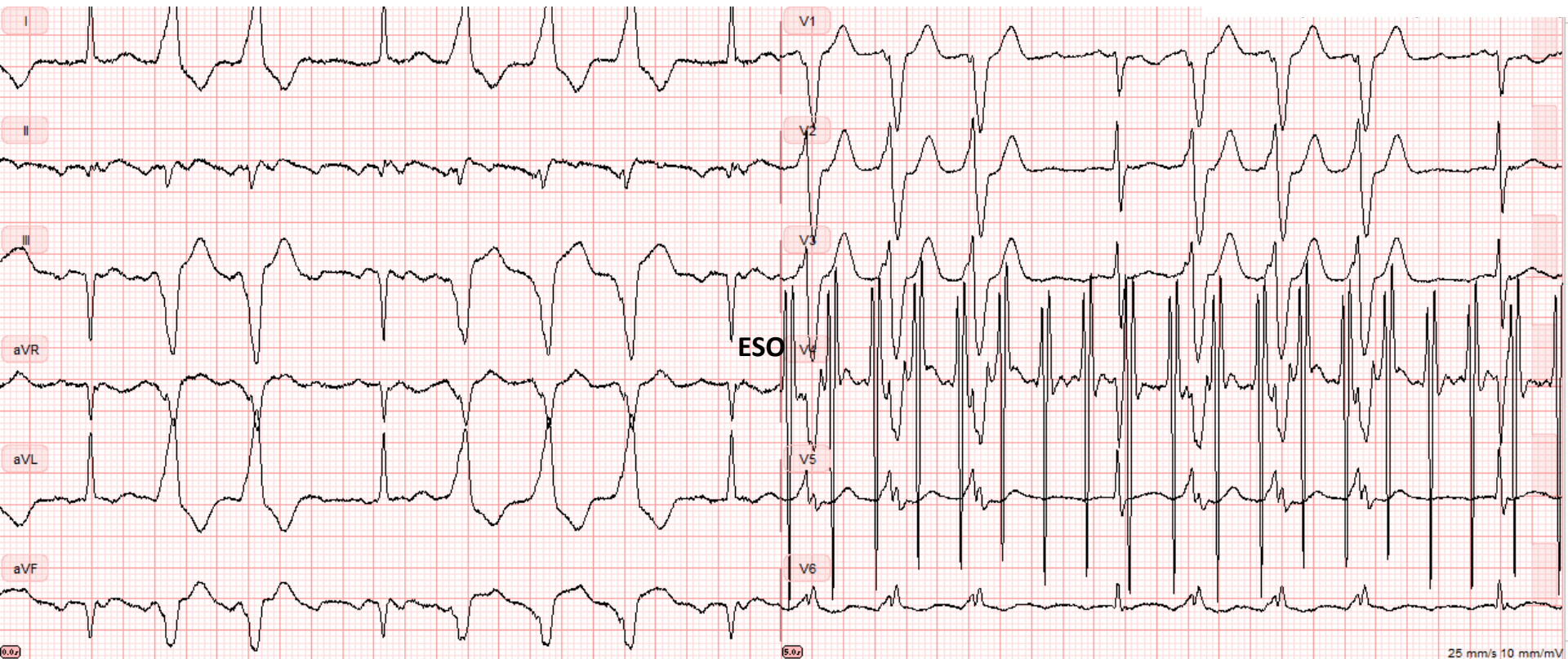


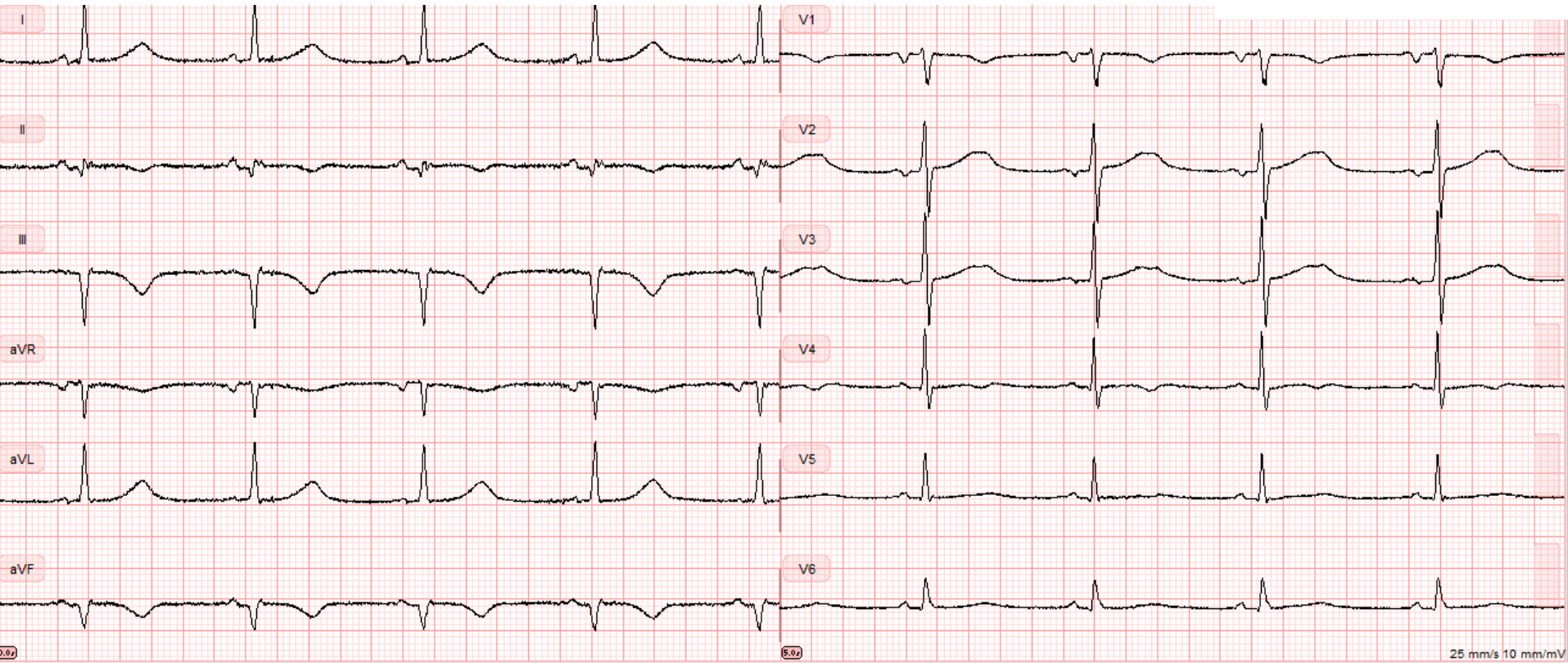
Case 63





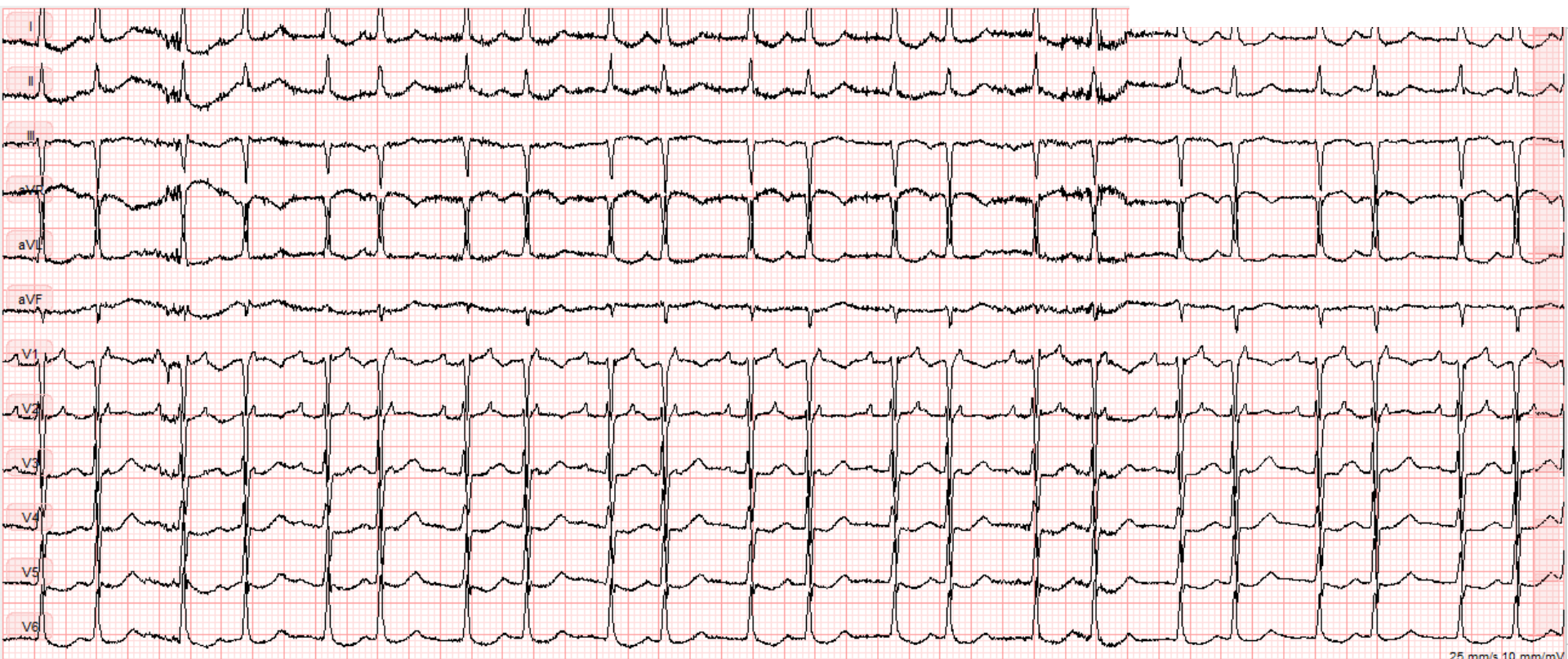




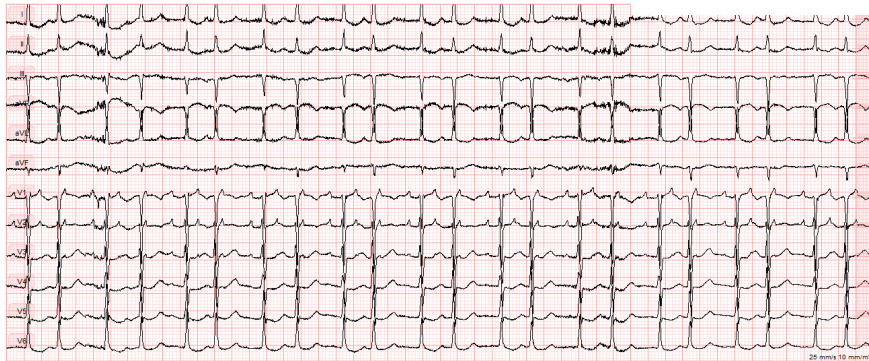


25 mm/s 10 mm/mV

Case 64



25 mm/s 10 mm/mV



70-årig kvinde.

Hypertension, DM2. Overvægt.

2016: atrieflimren ablation

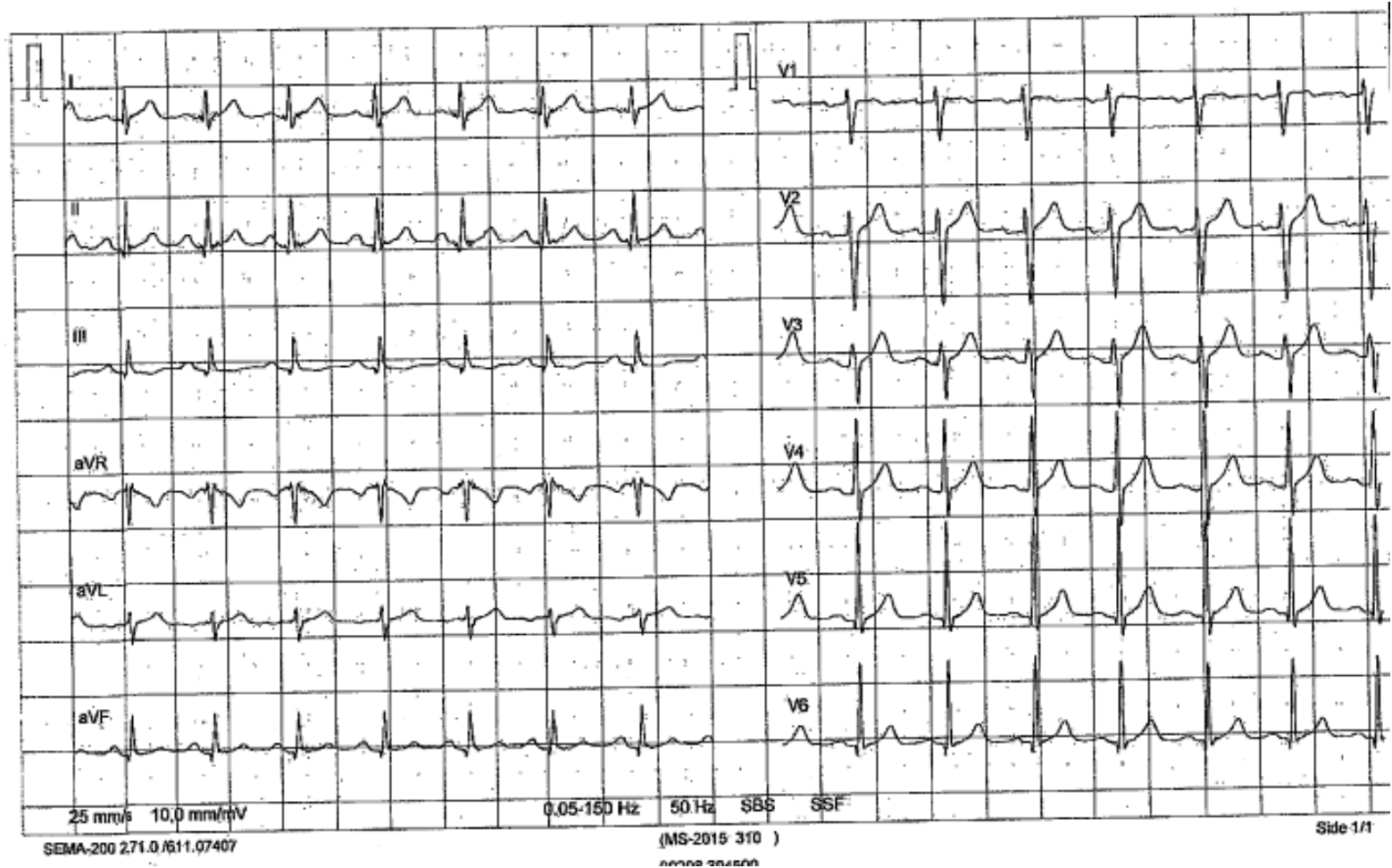
2018: atrieflimren reablation (PV
rekonduktion)

2020: atrieflimren reablation. PVs var
isolerede

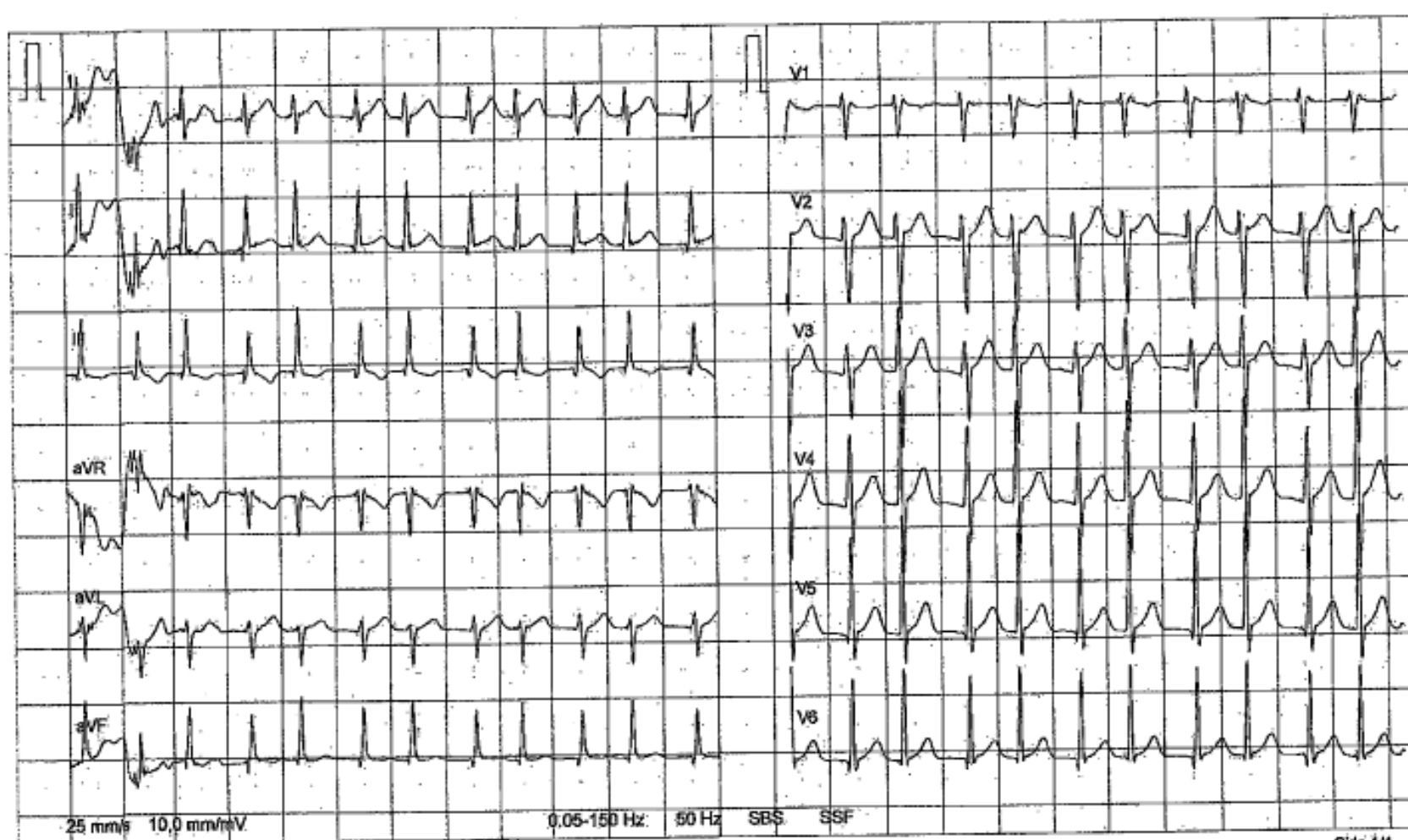
2022: atrieflagren. Behandling?

Case 65

65 a



65 b



25 mm/s 10.0 mm/mV

0.05-150 Hz 50 Hz SBS SSF

SEMA-200 271.0 B11.07407

(MS-2015 310)

Side 1/1

65 c

Vitale param.:

HF 147

ST-II -2,1

ST-aVF -2,6

ST-V4 0,0

VES 0

ST-III -3,1

ST-V1 -0,8

ST-V5 0,1

I.V ADENOSIN 6 mg

STindx 2,8

ST-aVR 0,6

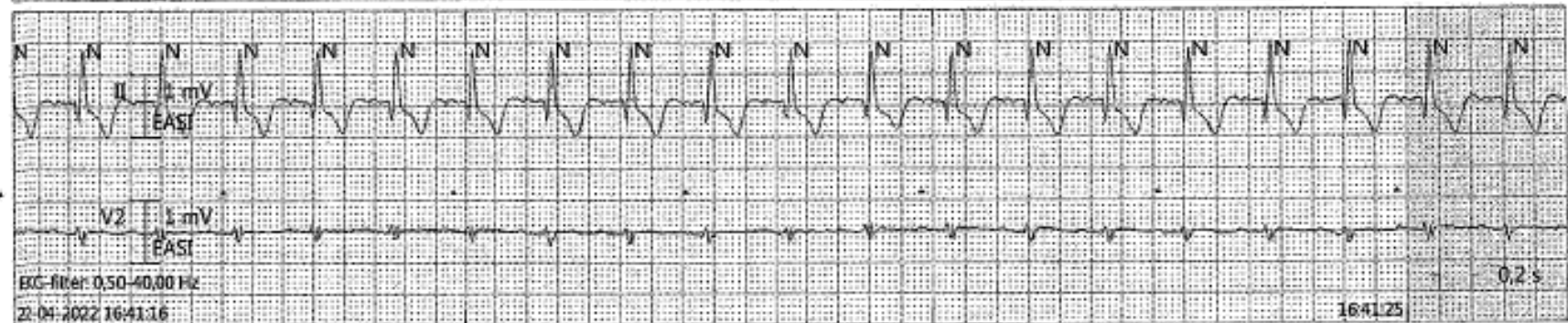
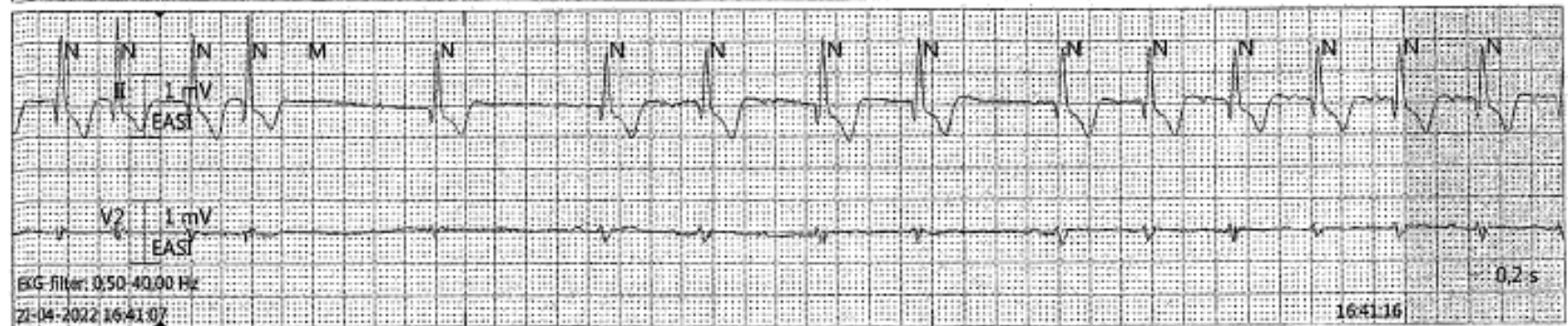
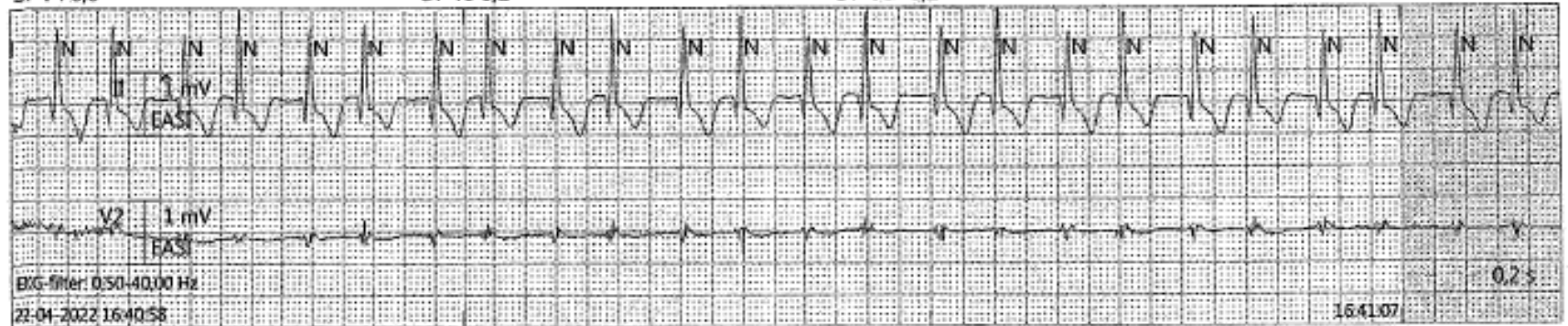
ST-V2 -0,1

ST-V6 -0,1

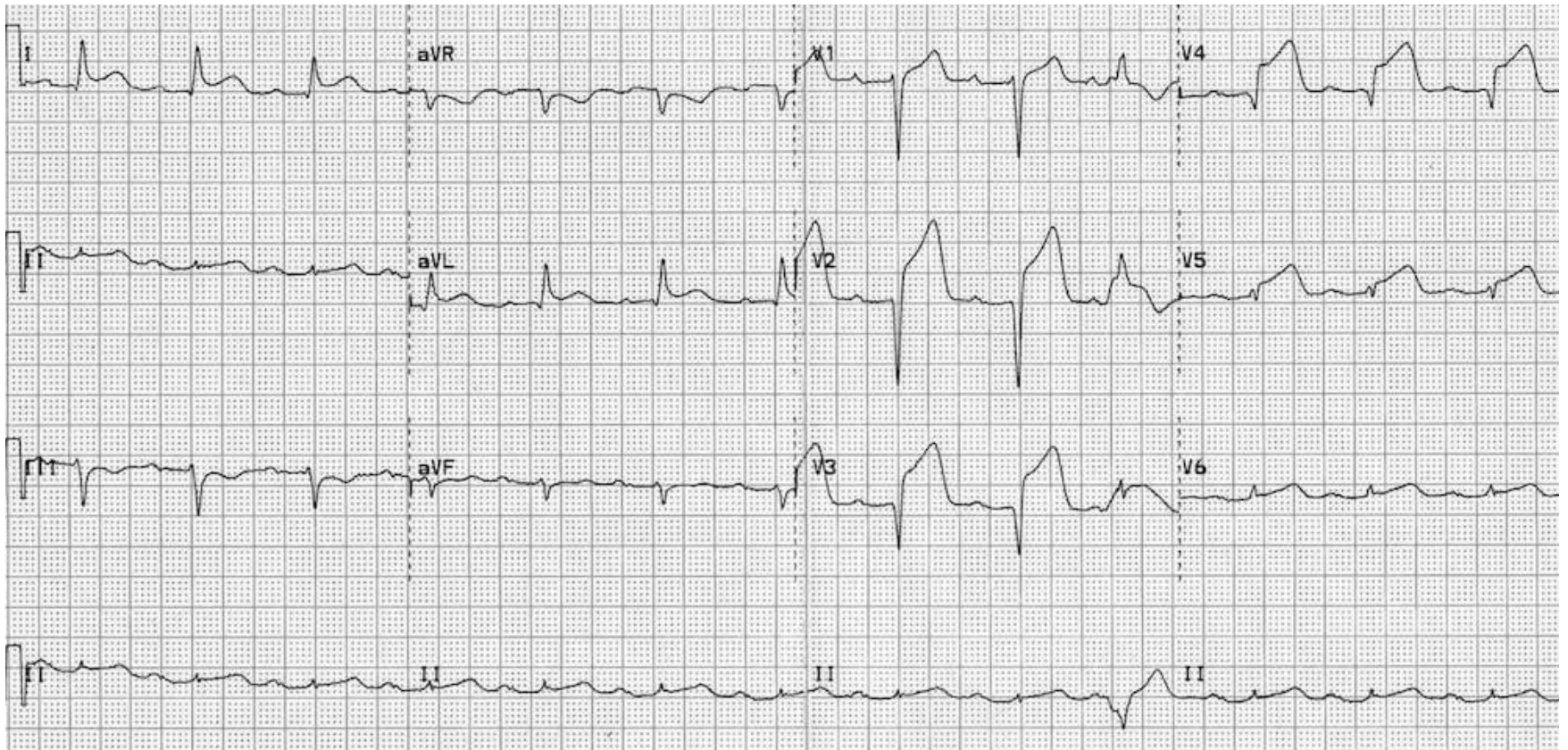
ST-I 1,0

ST-aVL 2,0

ST-V3 -0,1

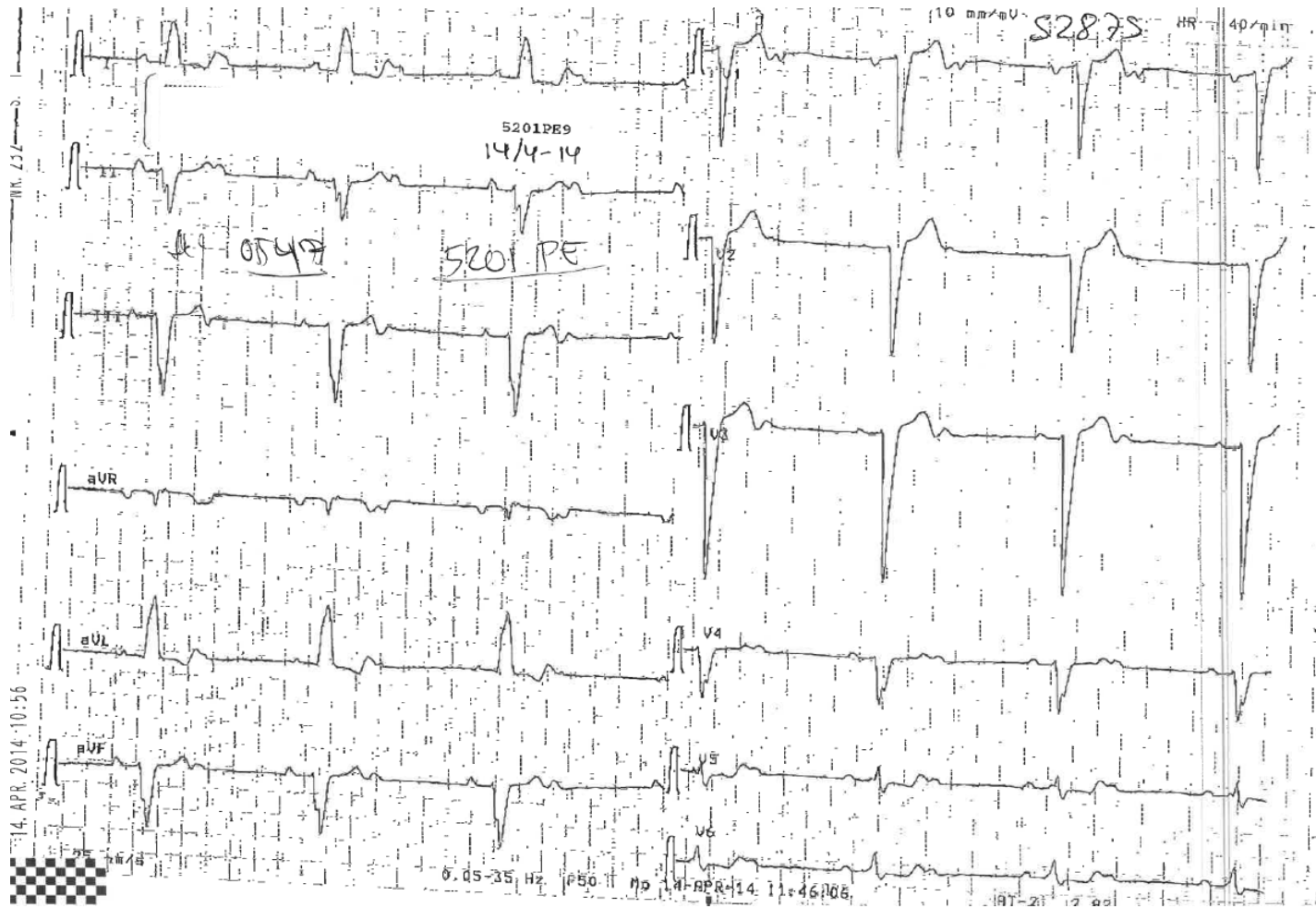


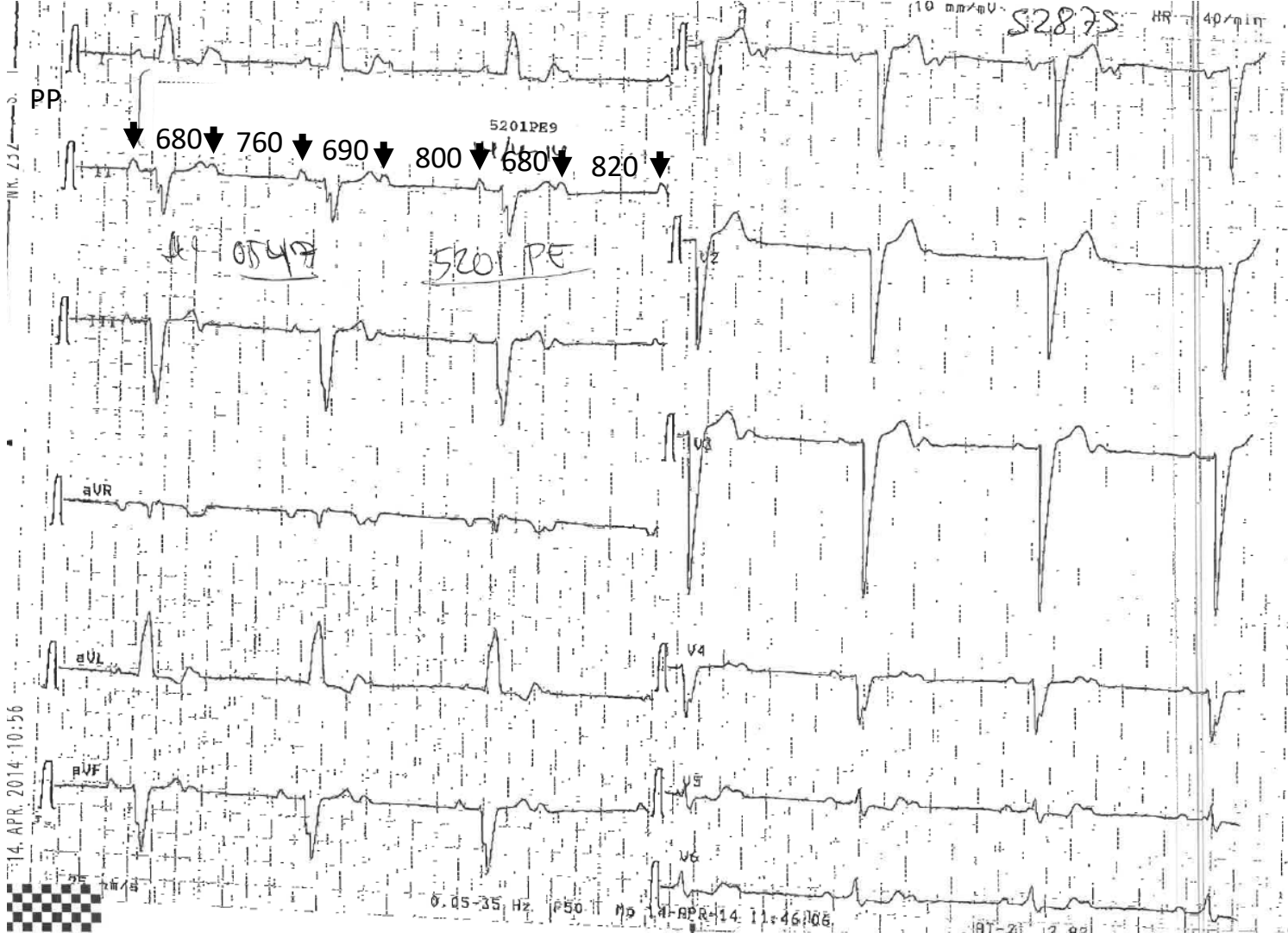
Case 66



t = 1 time after debut

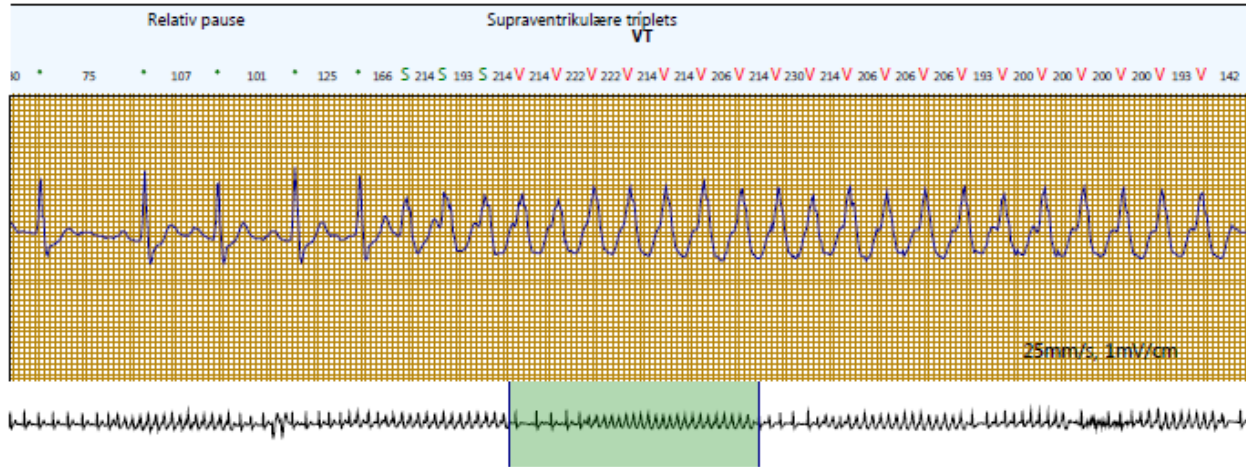
Case 67



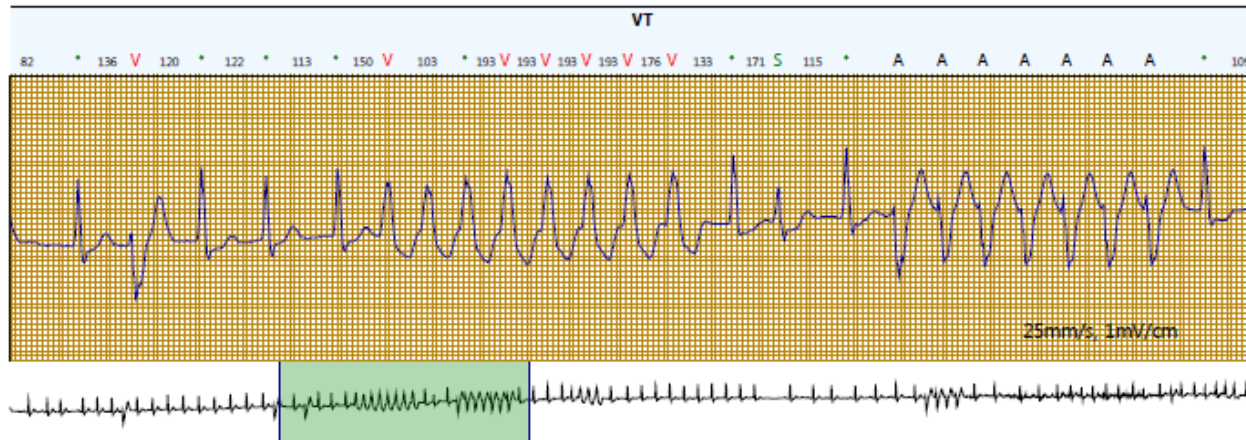


Case 69

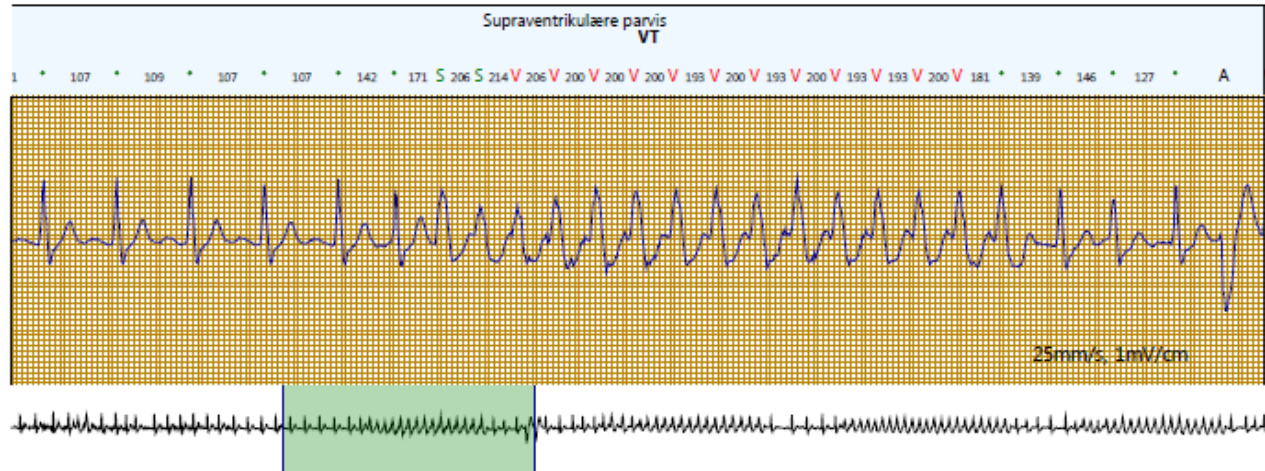
VT 22-02-2018 19:12:04 Rytme : 194 bpm Varighed : 6,9 s QRS : 23



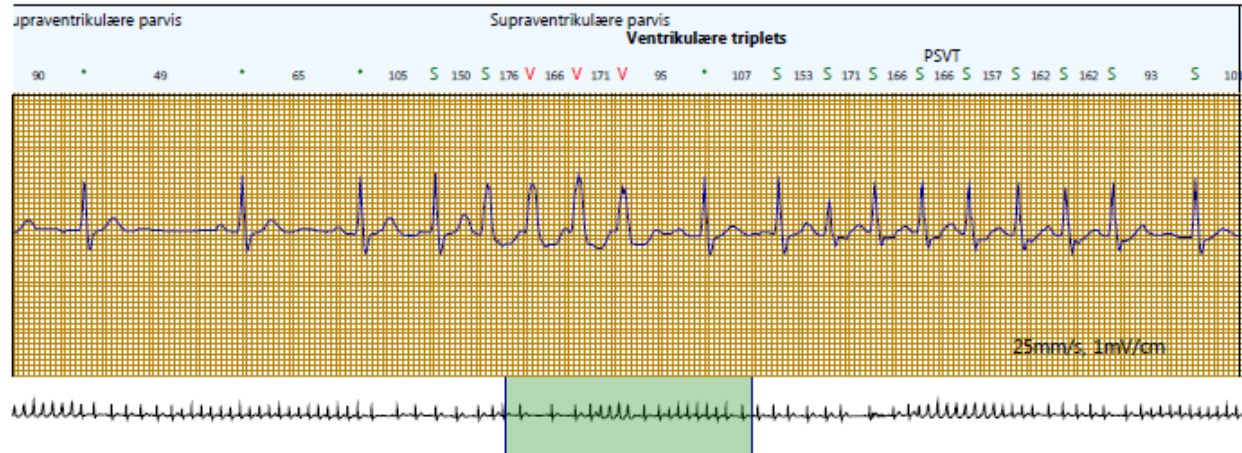
VT 22-02-2018 19:13:40 Rytme : 194 bpm Varighed : 1,3 s QRS : 5



VT 22-02-2018 19:11:46 Rytme : 200 bpm Varighed : 3,3 s QRS : 12

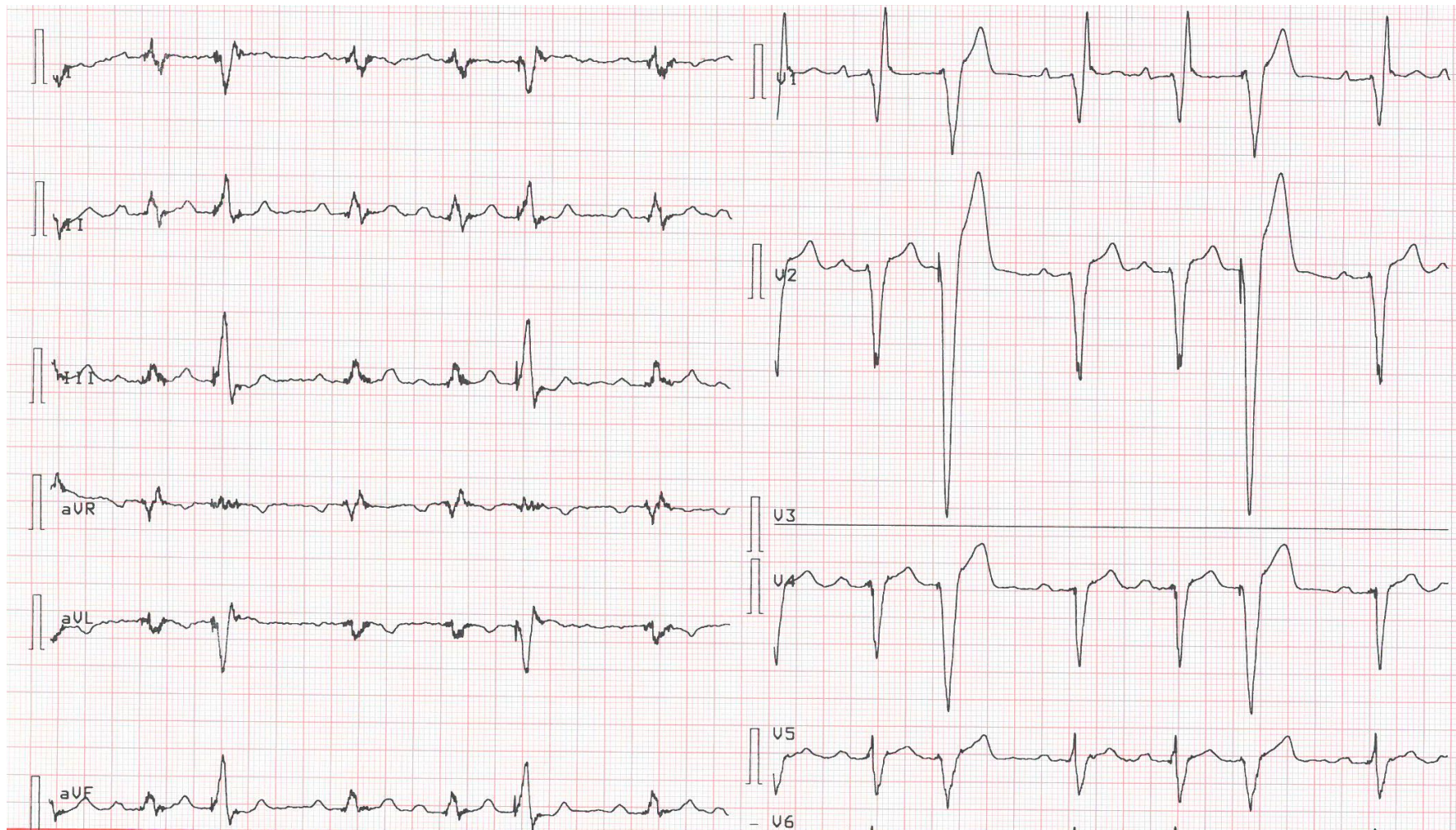


Ventrikulære triplets 22-02-2018 17:01:35 Varighed : 710 ms

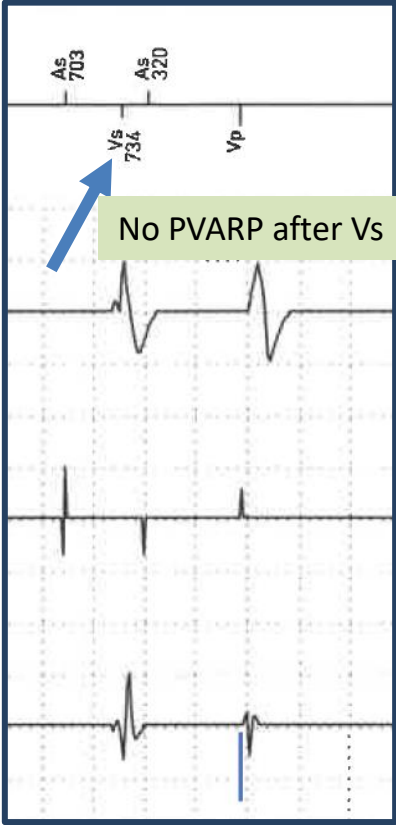
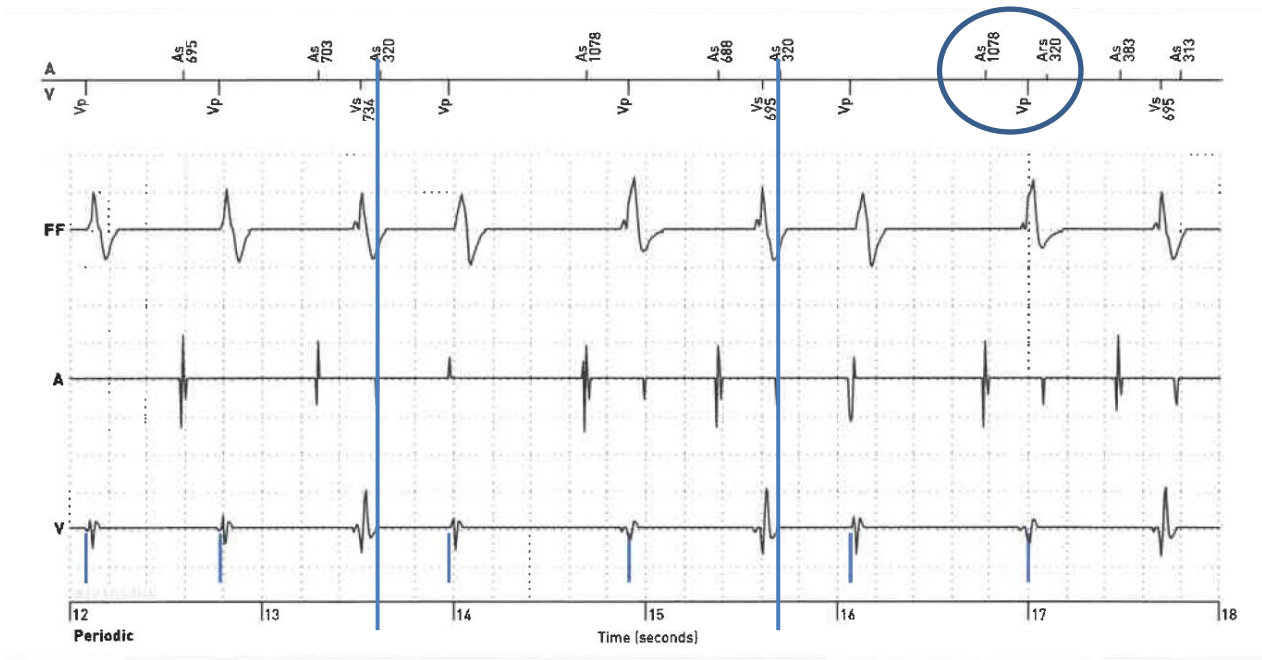


Case 70

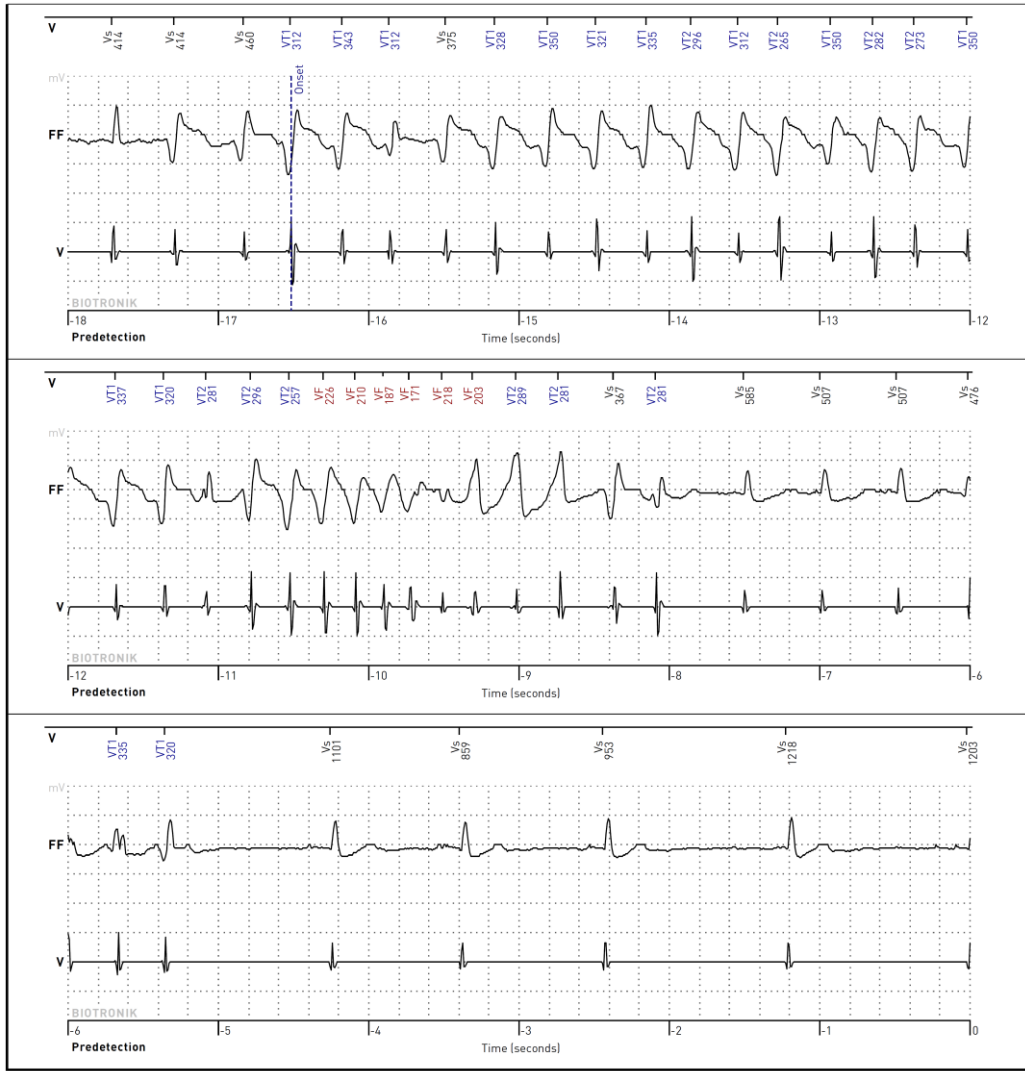
70 a



70 b

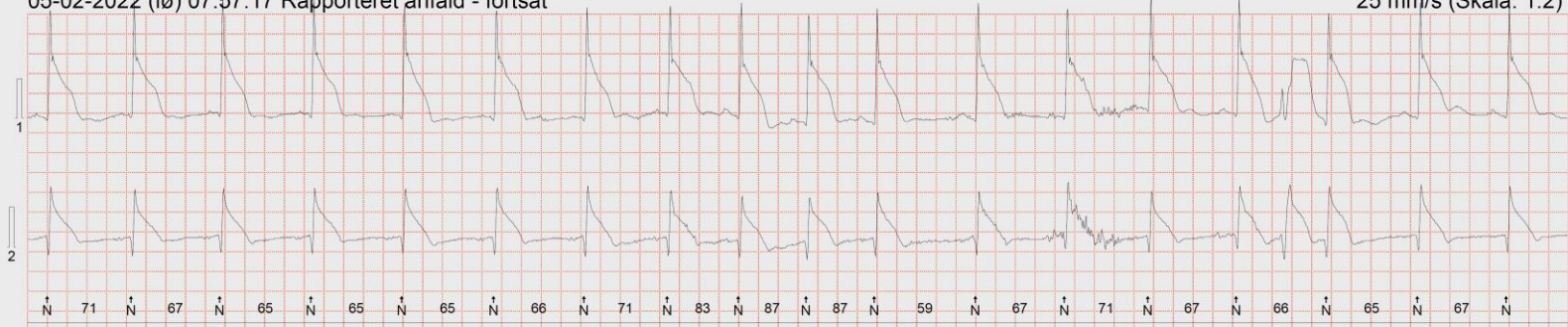


Case 71



05-02-2022 (lø) 07:57:17 Rapporteret anfald - fortsat

25 mm/s (Skala: 1:2)



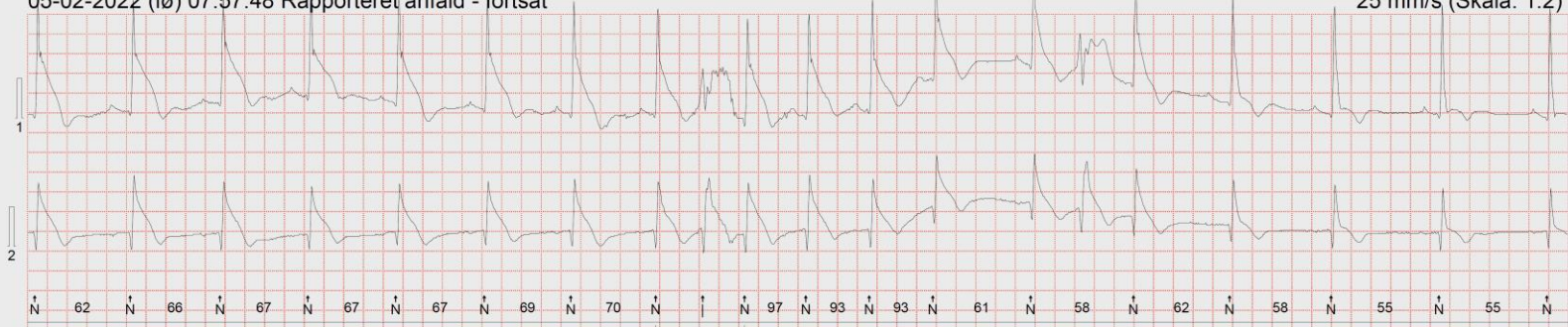
05-02-2022 (lø) 07:57:32 Rapporteret anfald - fortsat

25 mm/s (Skala: 1:2)



05-02-2022 (lø) 07:57:48 Rapporteret anfald - fortsat

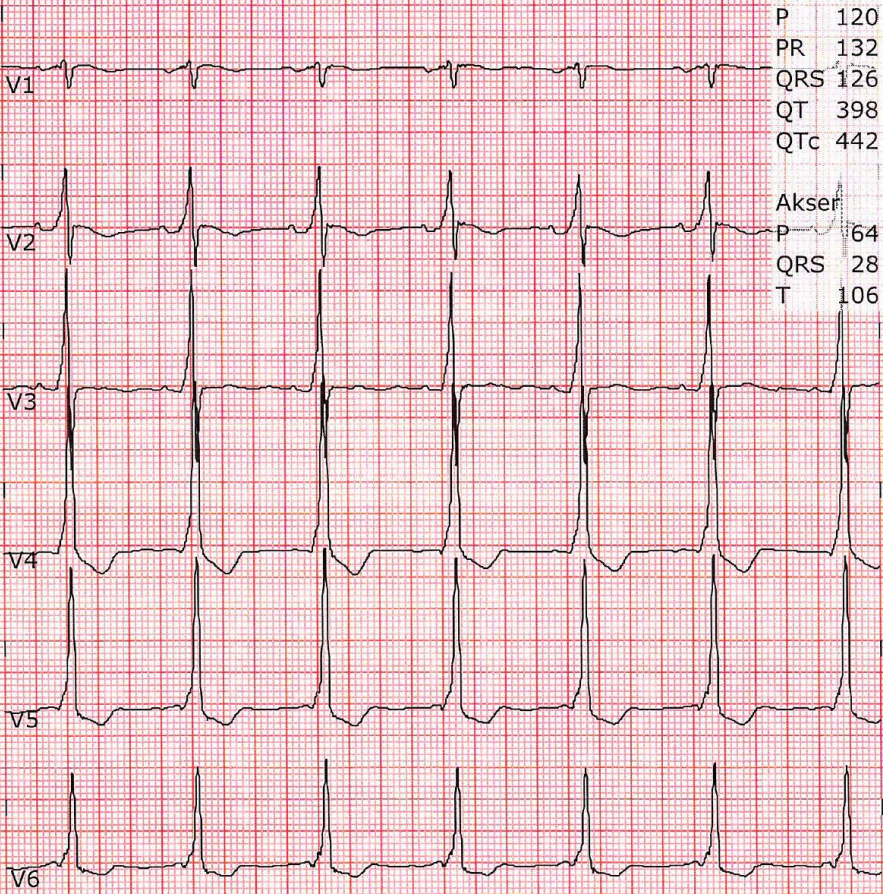
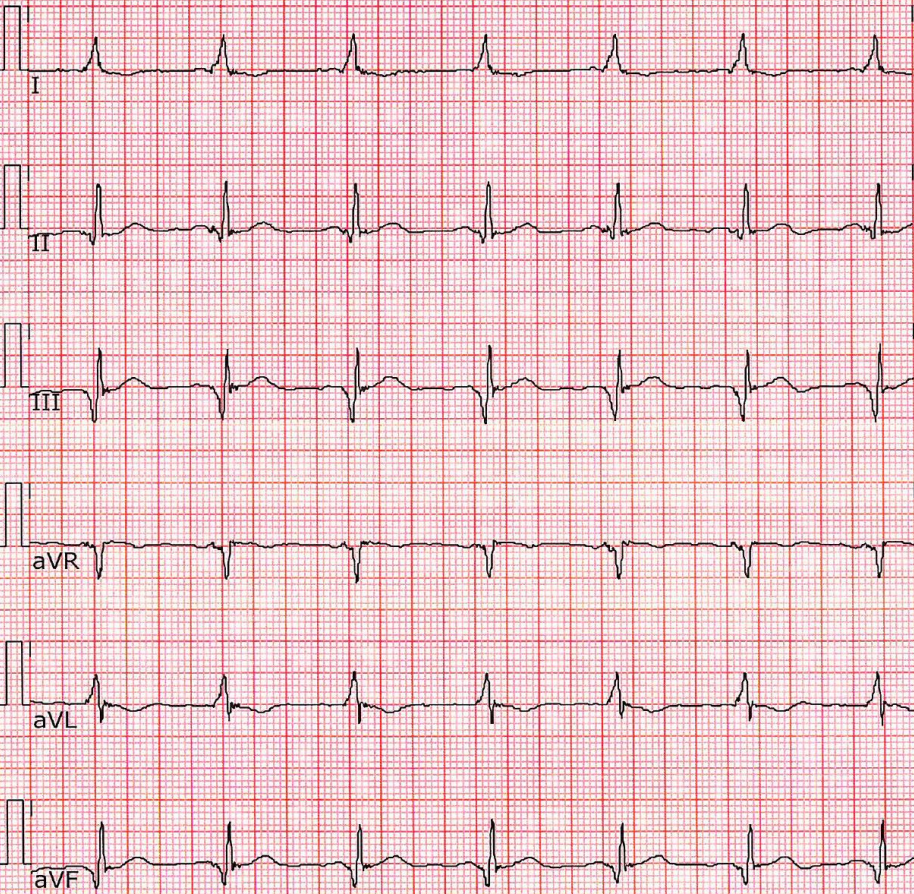
25 mm/s (Skala: 1:2)



Case 72

25 mm/s 10 mm/mV

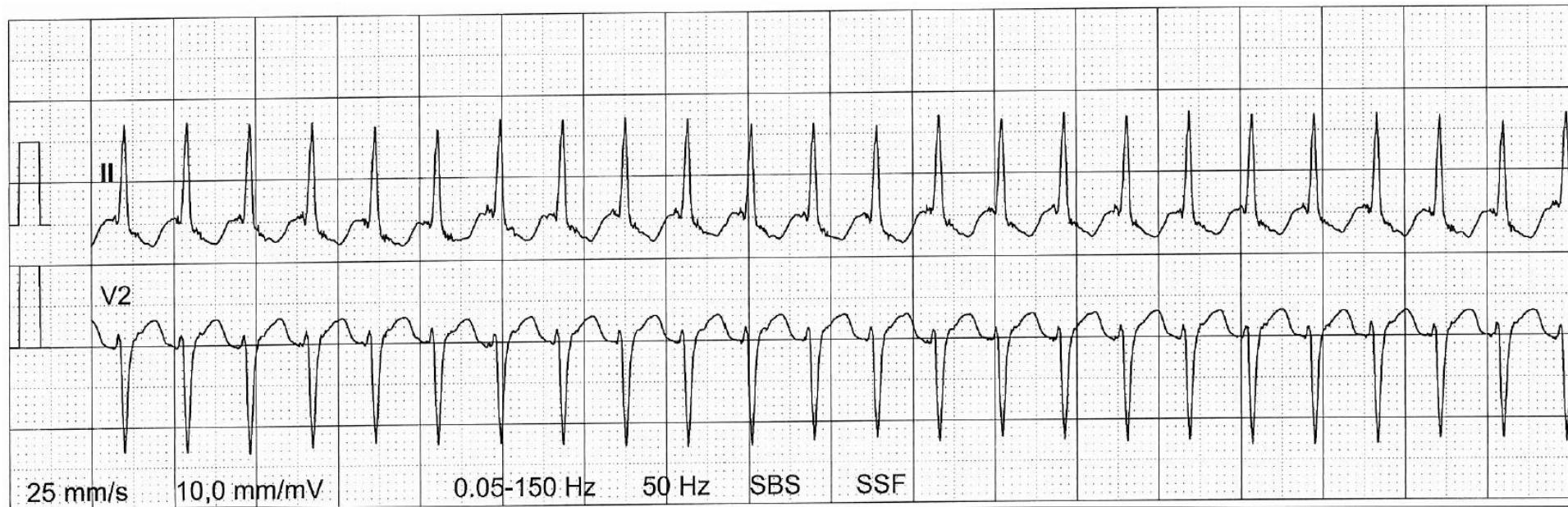
HR 72 /min

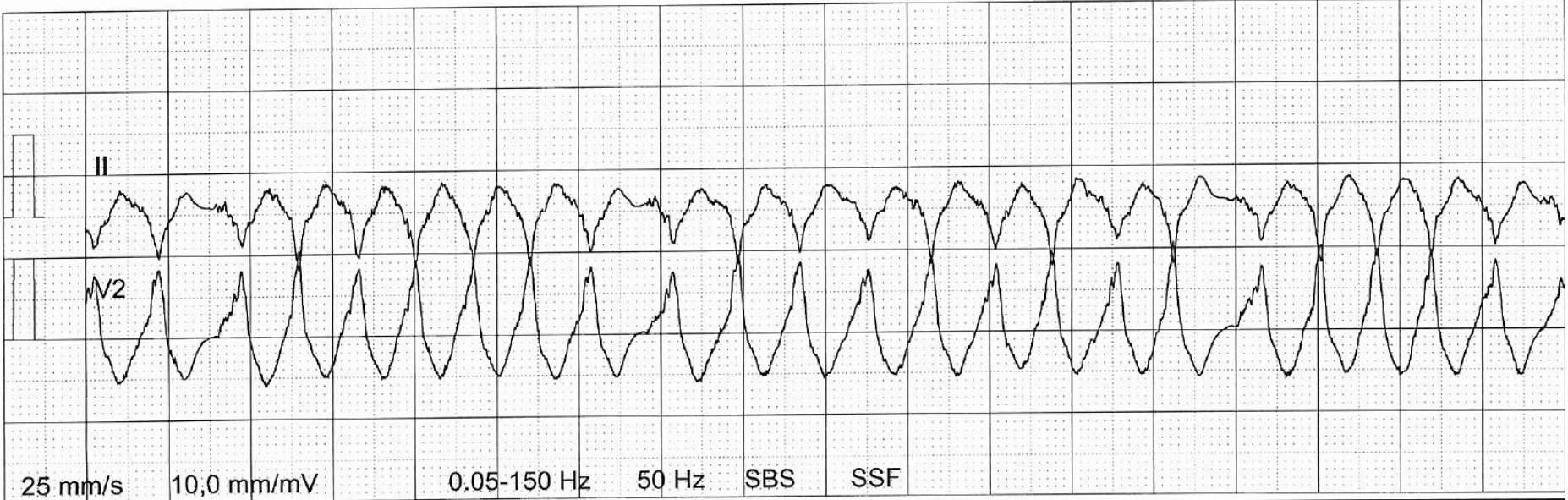


Intervaller
RR 828 ms
P 120 ms
PR 132 ms
QRS 126 ms
QT 398 ms
QTc 442 ms

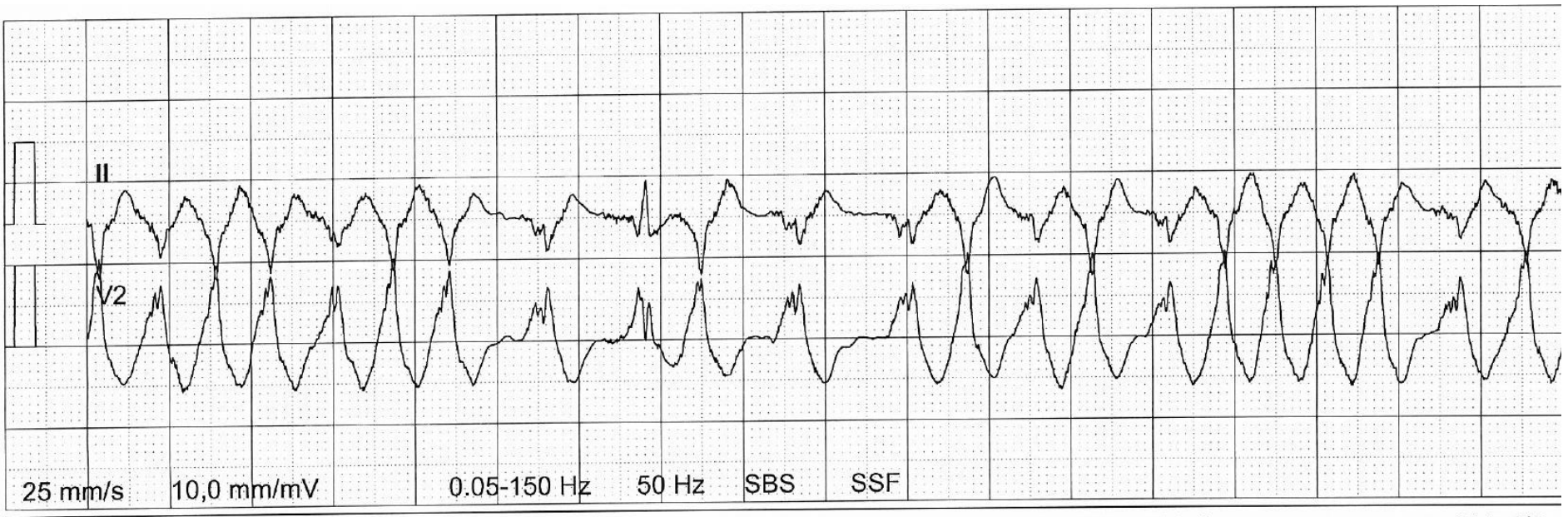
Aksen
P 64 °
QRS 28 °
T 106 °

Holter







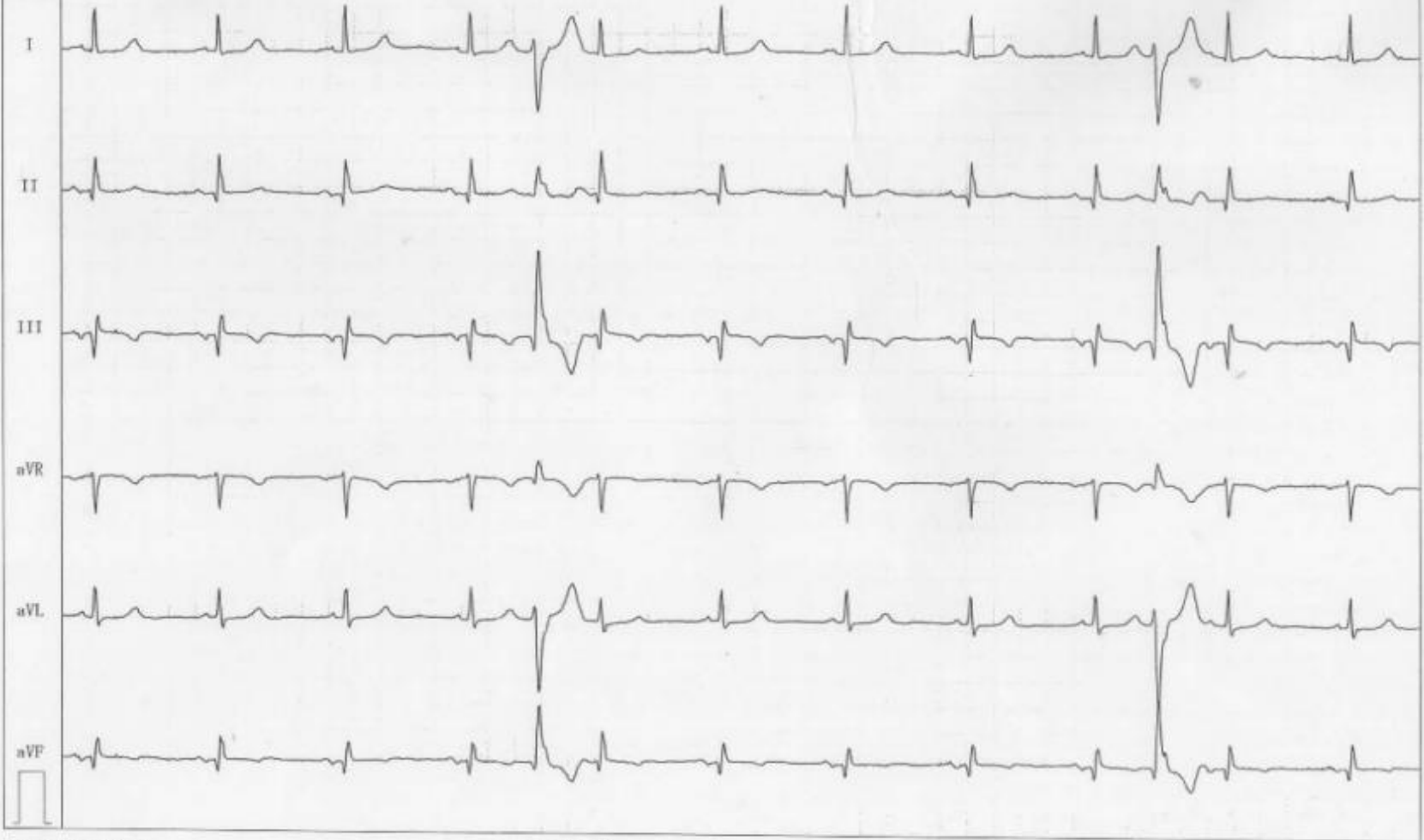


12-12-2012

01-110

Case 74

02:02



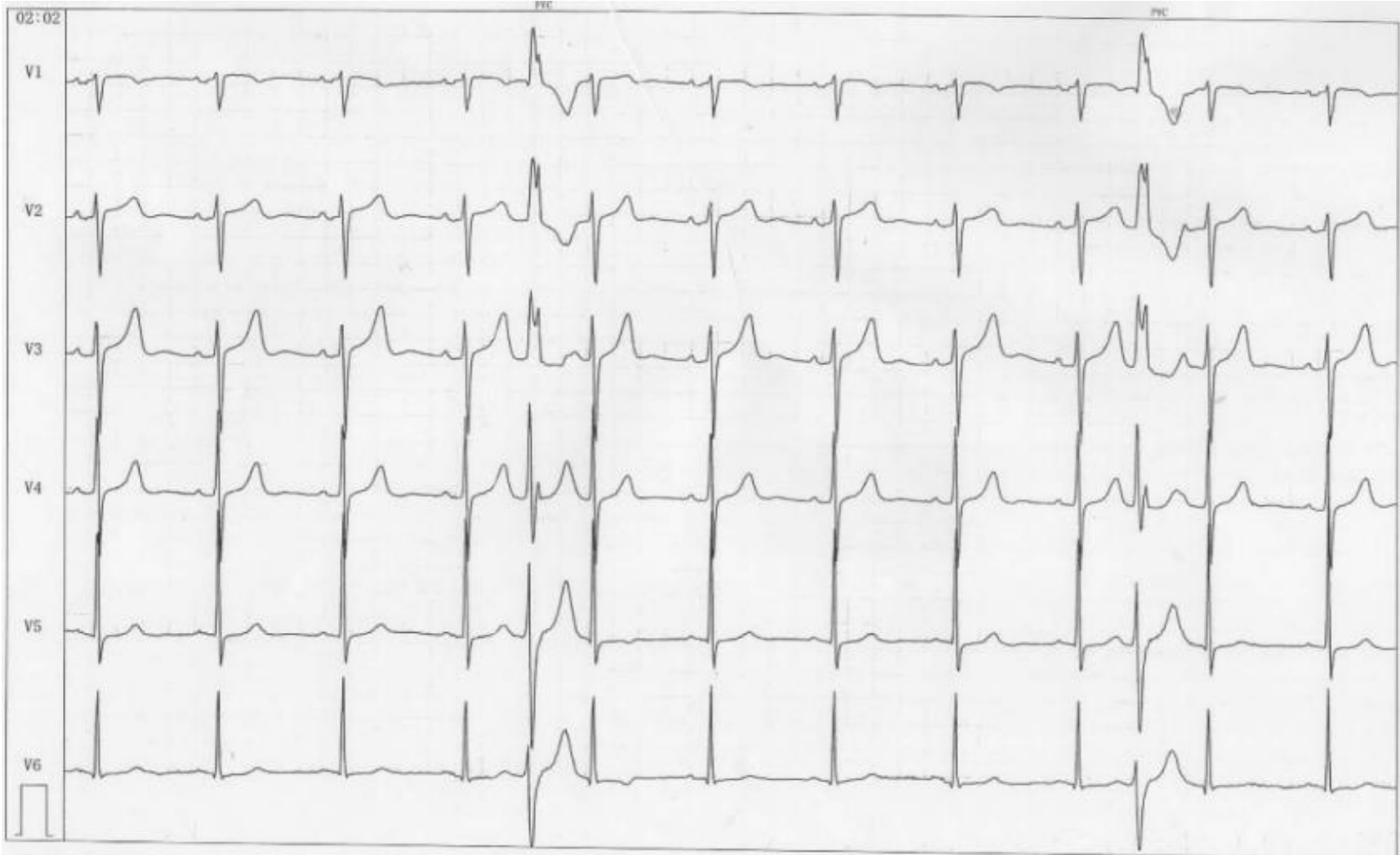
GE CASE V6, 5 (0)

25mm/s 10mm/mV 0.01-100Hz 60Hz Spline

Unconfirmed

Primary physician

Page 1



GE CASE V6, 5 (0)

25mm/s 10mm/mV 0.01-100Hz 60Hz Spine

Unconfirmed

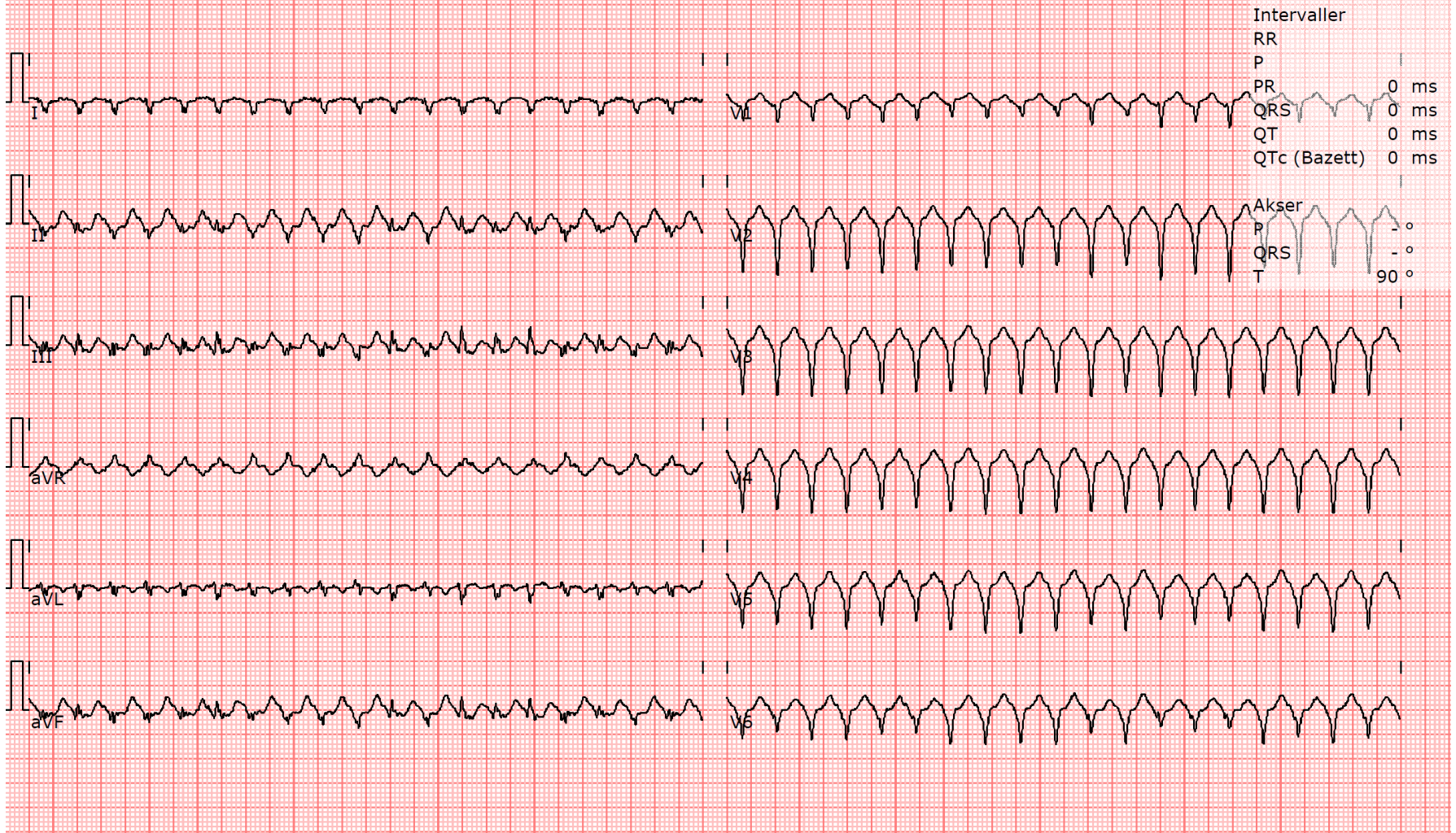
Primary
physician

Page 1

Case 75

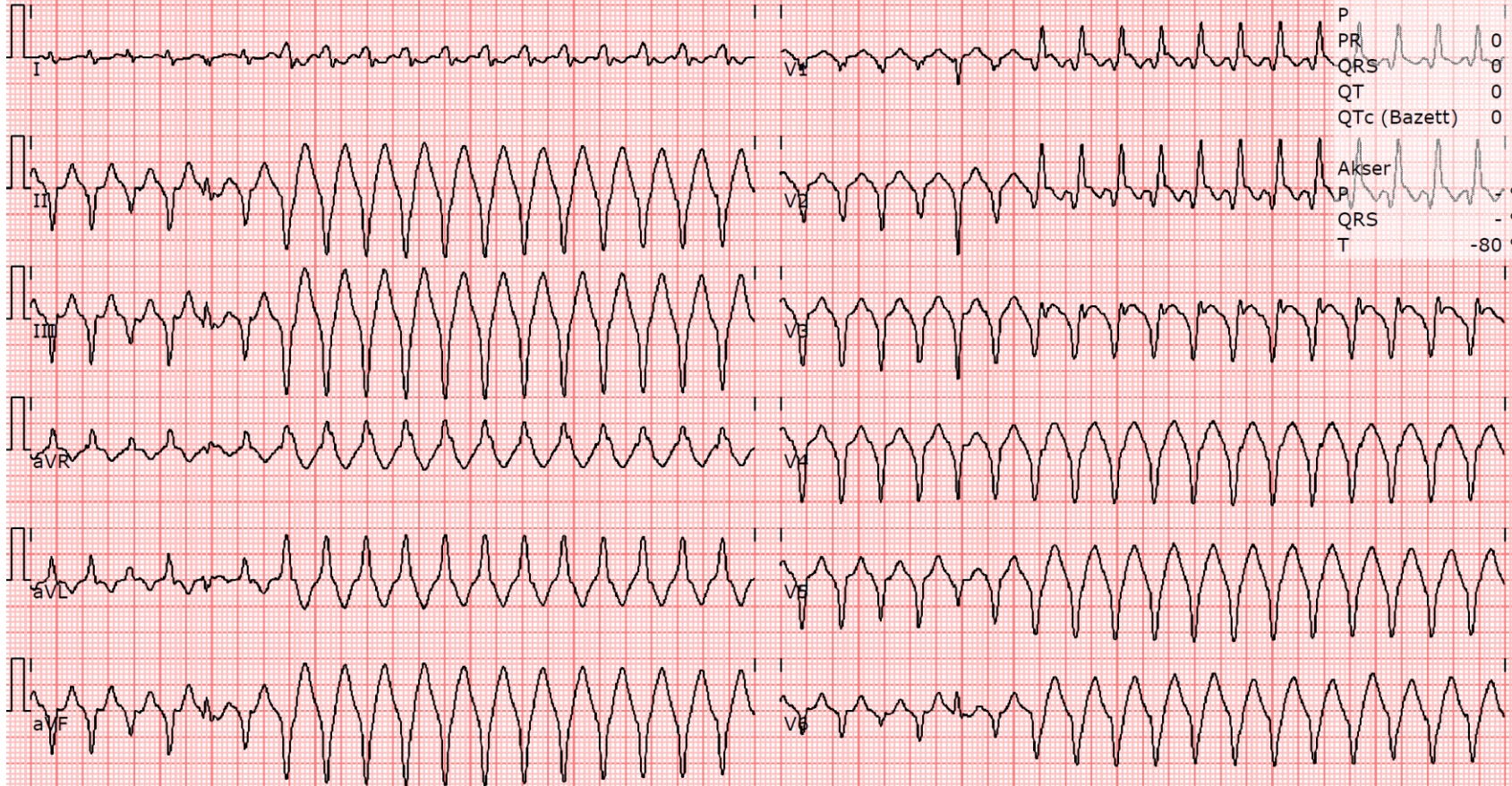
25 mm/s 10 mm/mV

HR 1 /min



25 mm/s 10 mm/mV

HR 1 /min

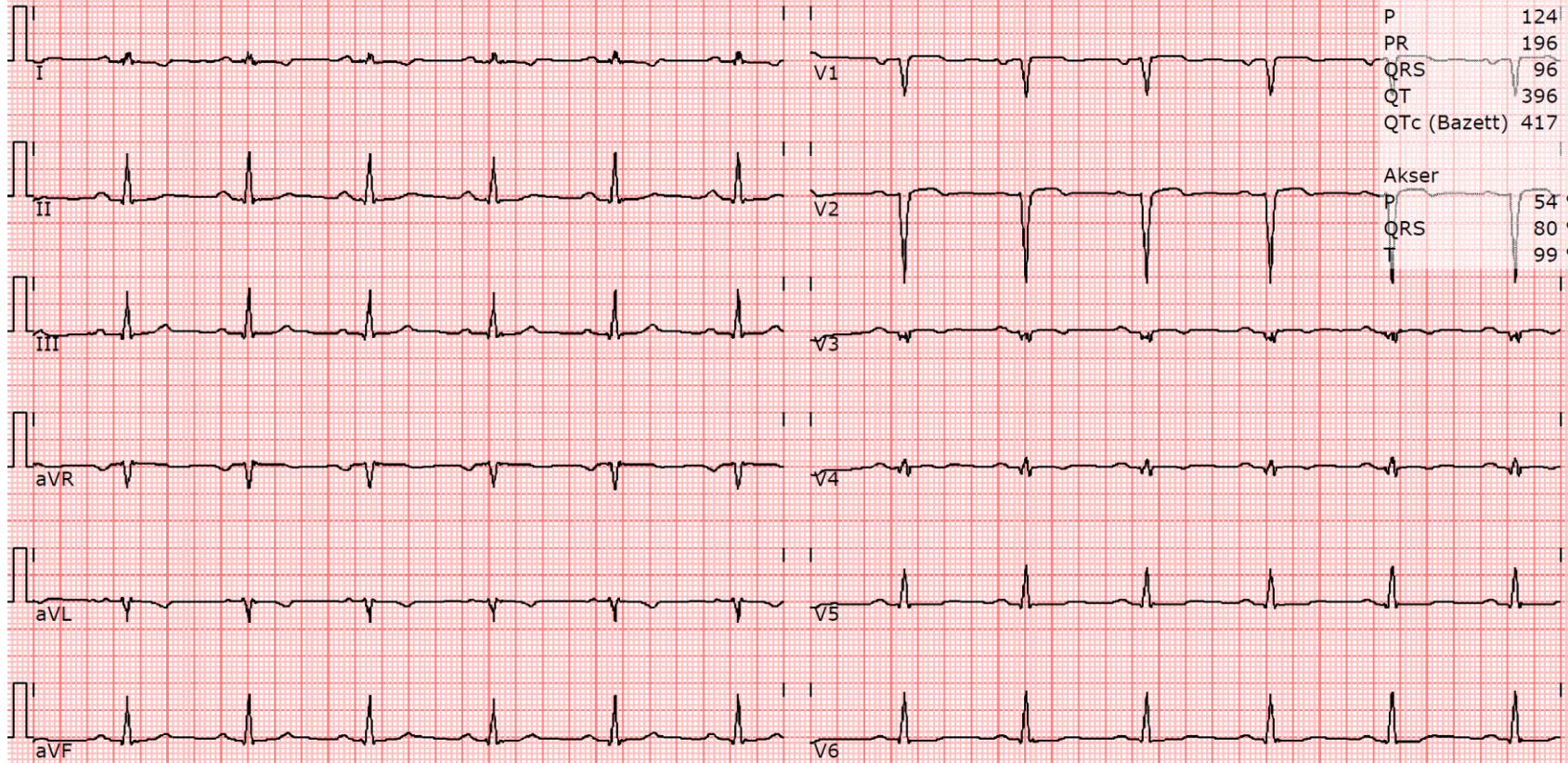


Intervaller	
RR	
P	
PR	0 ms
QRS	0 ms
QT	0 ms
QTc (Bazett)	0 ms
Akser	
P	0°
QRS	-0°
T	-80°

22-01-2024 10:25:13

25 mm/s 10 mm/mV

HR 66 /min



Intervaller
RR 916 ms
P 124 ms
PR 196 ms
QRS 96 ms
QT 396 ms
QTc (Bazett) 417 ms

Akser
P 54°
QRS 80°
T 99°

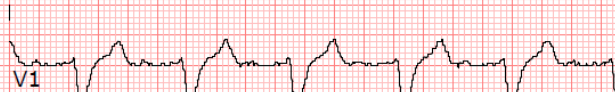
- 65 årig mand
- CABG 30 år siden
- KAG diffuse forandringer. Intet nyt
- Ekko: EF 45. Ikke dilateret LV. Hypokinesi apikalt

Case 76

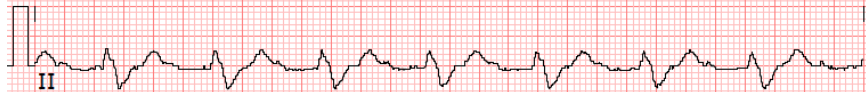
25 mm/s 10 mm/mV

Præhospital

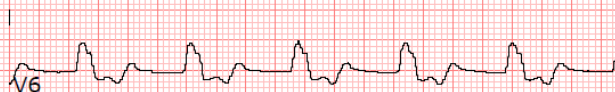
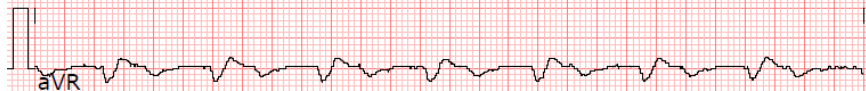
HR 1 /min



Intervaller	
RR	
P	
PR	0 ms
QRS	0 ms
QT	0 ms
QTc (Bazett)	0 ms



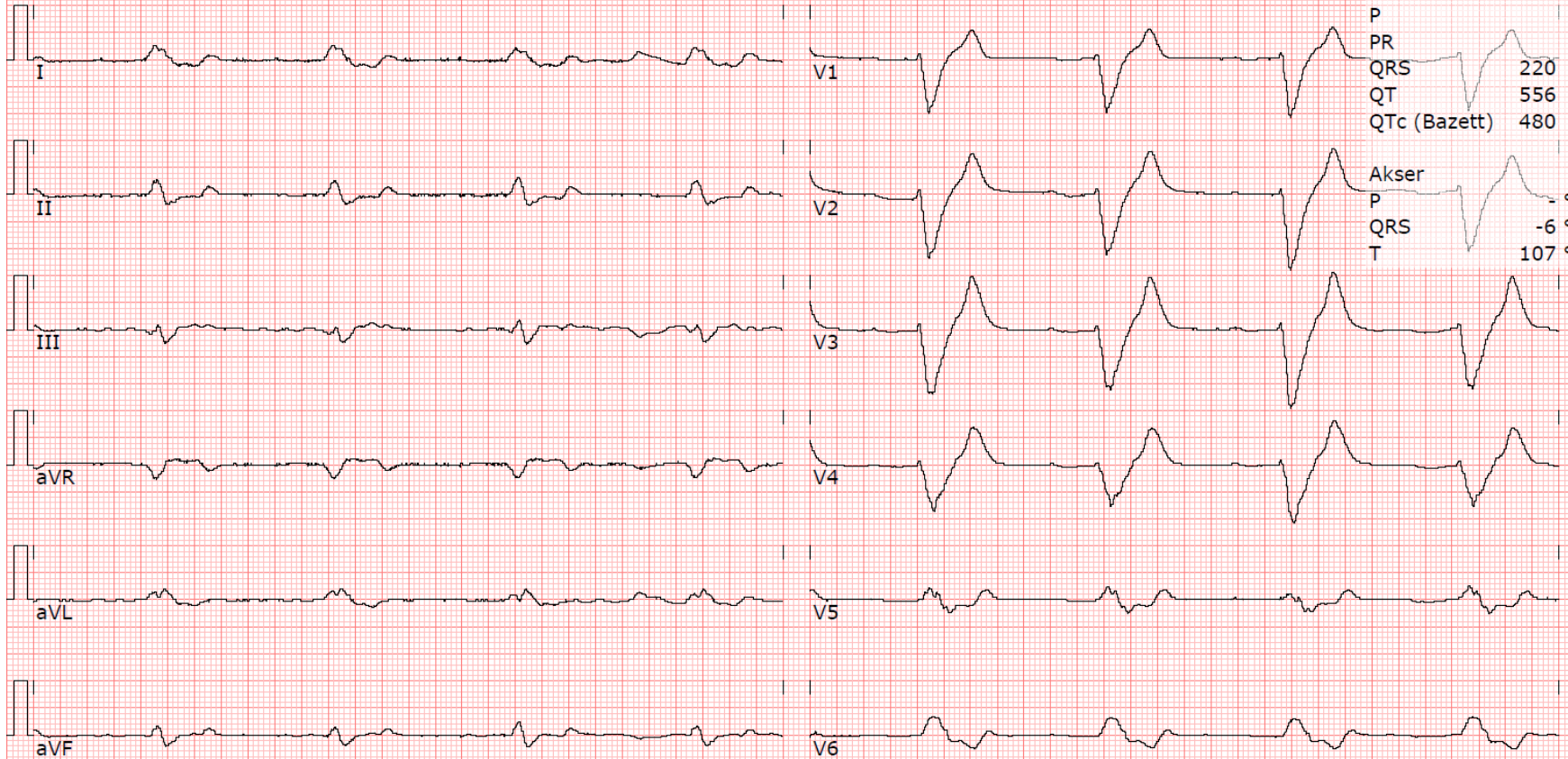
Akser	
P	-73 °
QRS	- °
T	97 °



25 mm/s 10 mm/mV

EKG ved ankomst

HR 45 /min



Intervaller

RR 1339 ms

P

PR

QRS 220 ms

QT 556 ms

QTc (Bazett) 480 ms

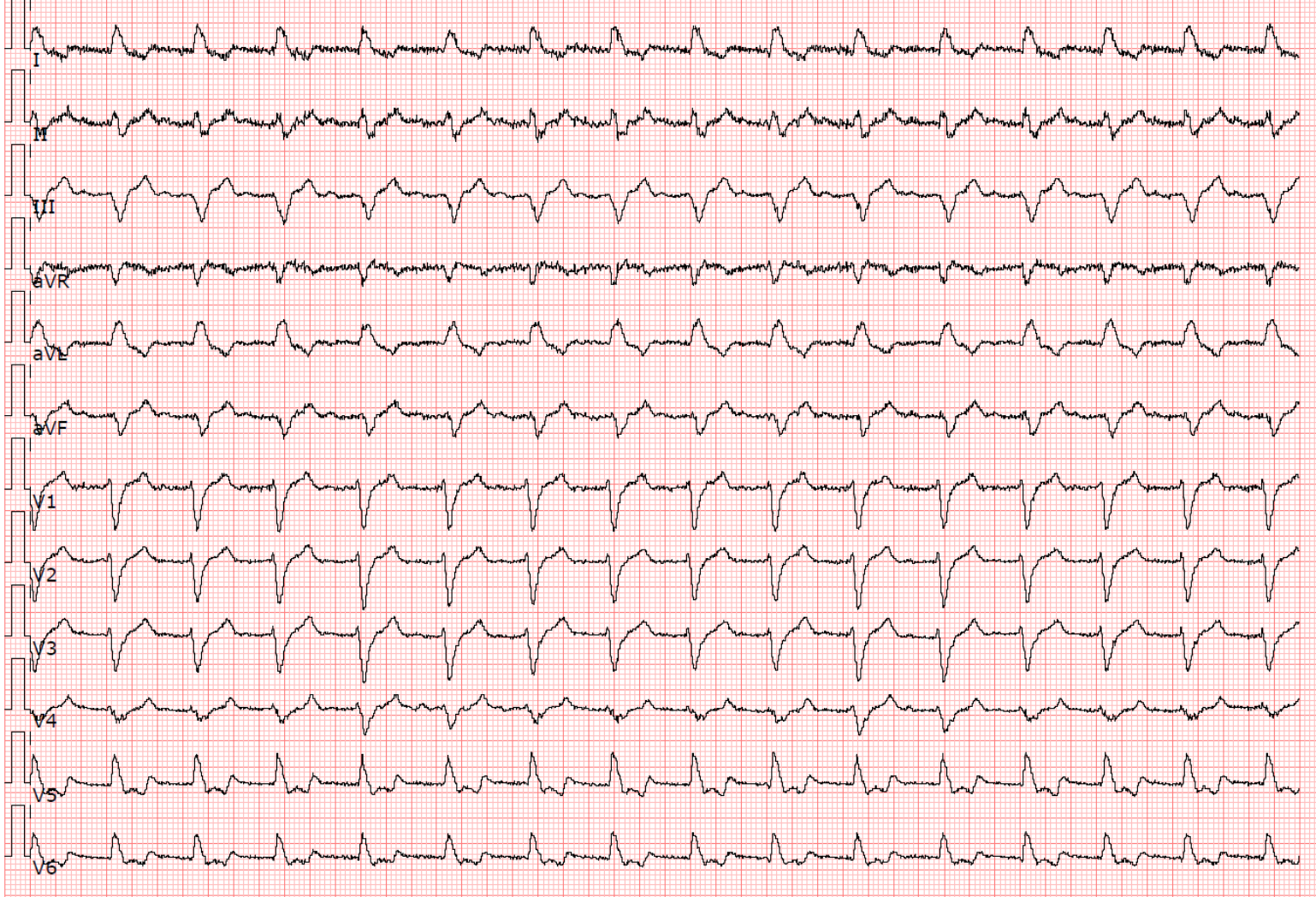
Akser

P -6 °

QRS

T 107 °

25 mm/s 10 mm/mV



Case 77

Navn
Patient-id

30.10.2023 16:46:10
Manuel udskrivning

GEMMES

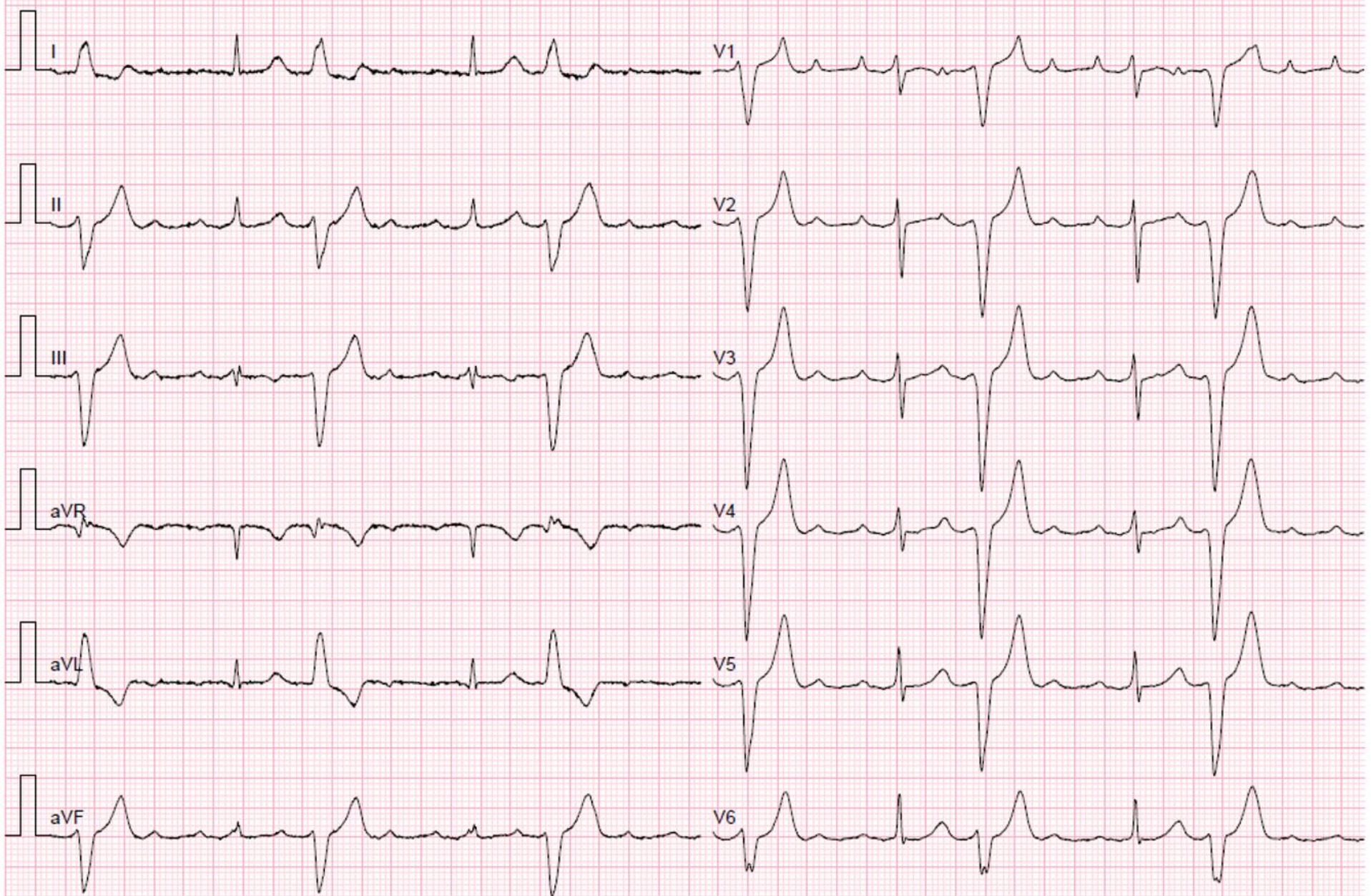


25 mm/s, 10 mm/mV
AT-102 C2 1,2,0 (1080.002604)

MUSE ok. 187675

LP 150Hz. AC 50Hz
Side 2

Case 78

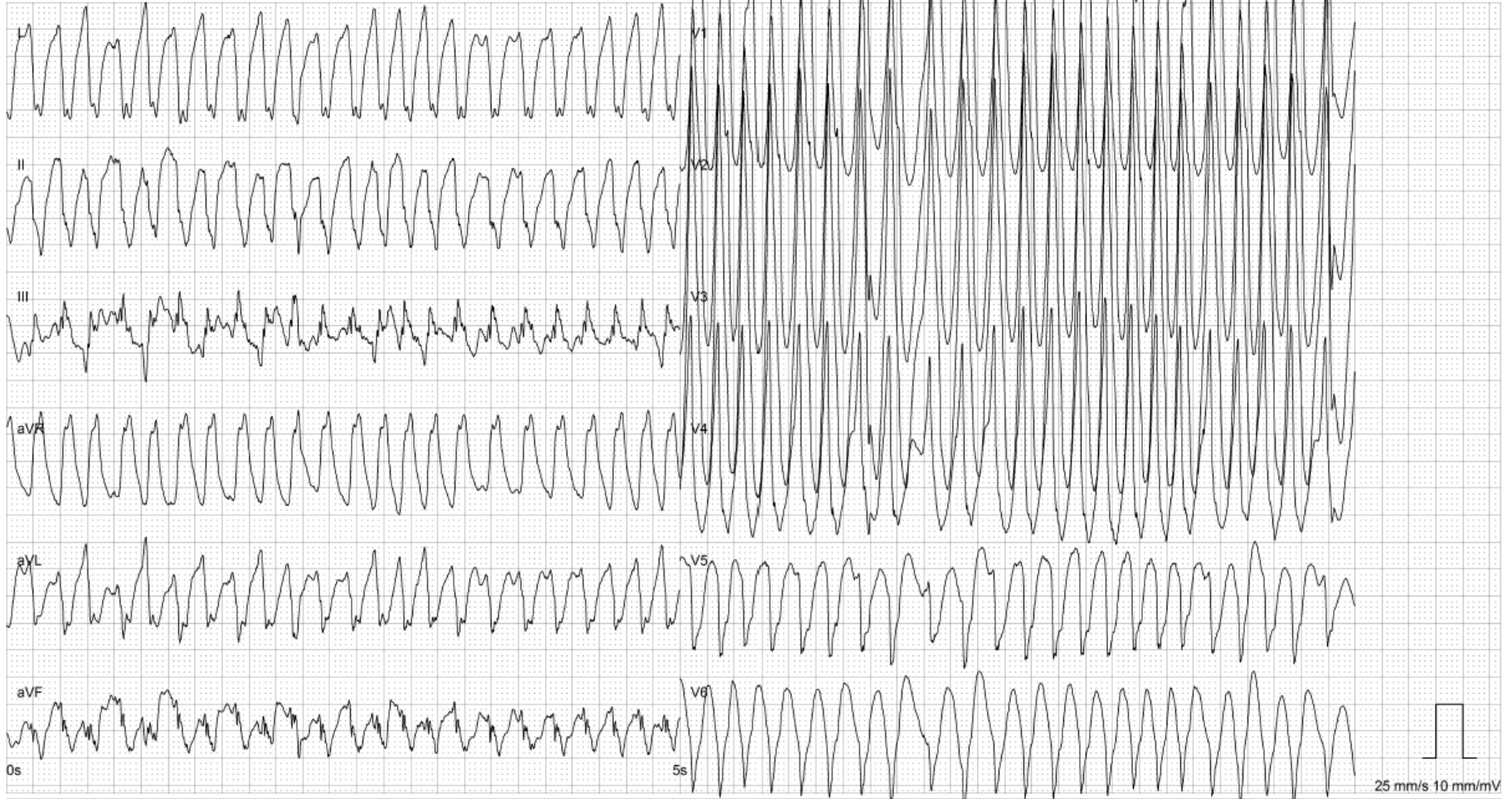


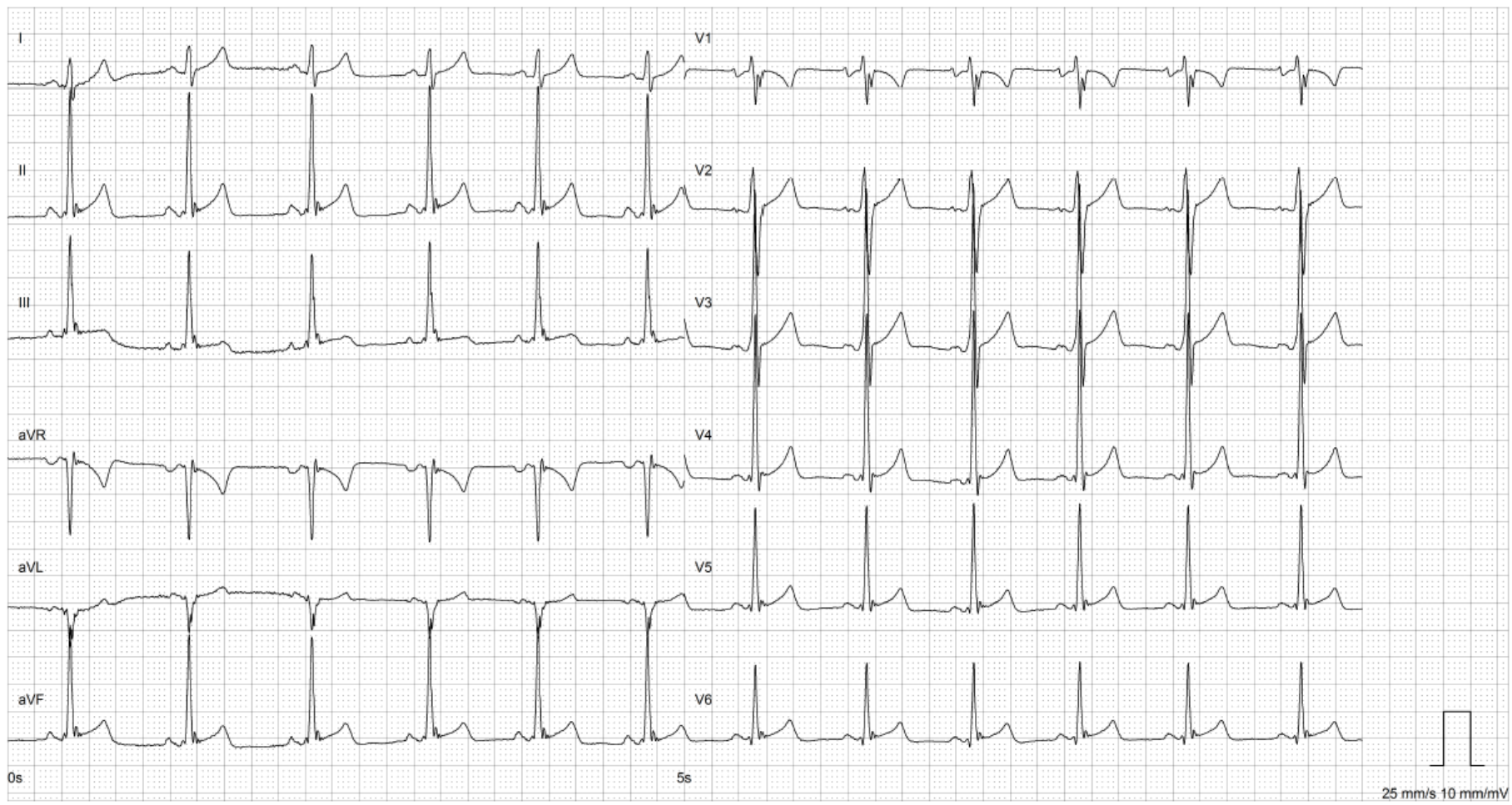
Case 79

Køn: Male
Lokation: 511
Dato & klokken: 13.12.2023 11:42:40

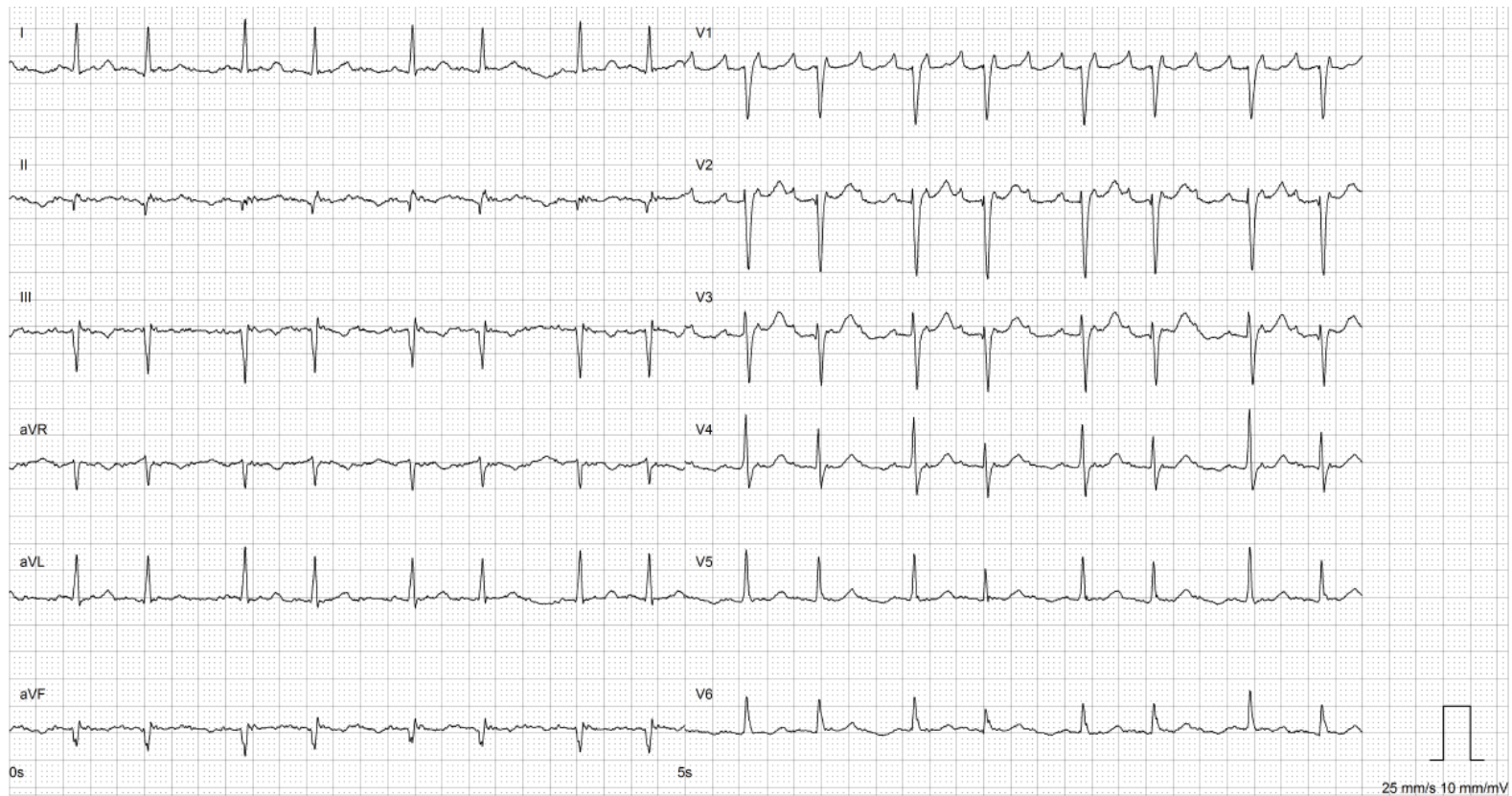
QT/QTcB/QTcF: 158 ms/338 ms/262 ms
P/R/T axis: ---/204 degrees/0 degrees

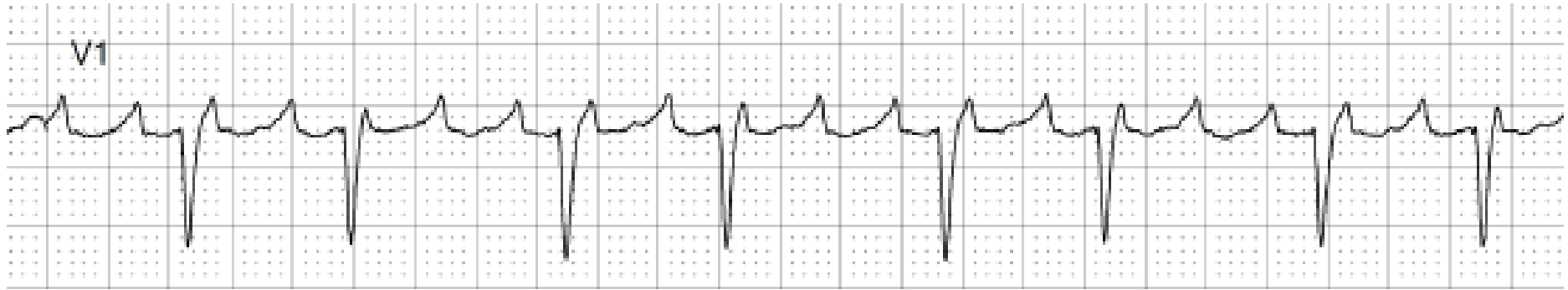
Interpretation af beregninger og kommentarer på side 4



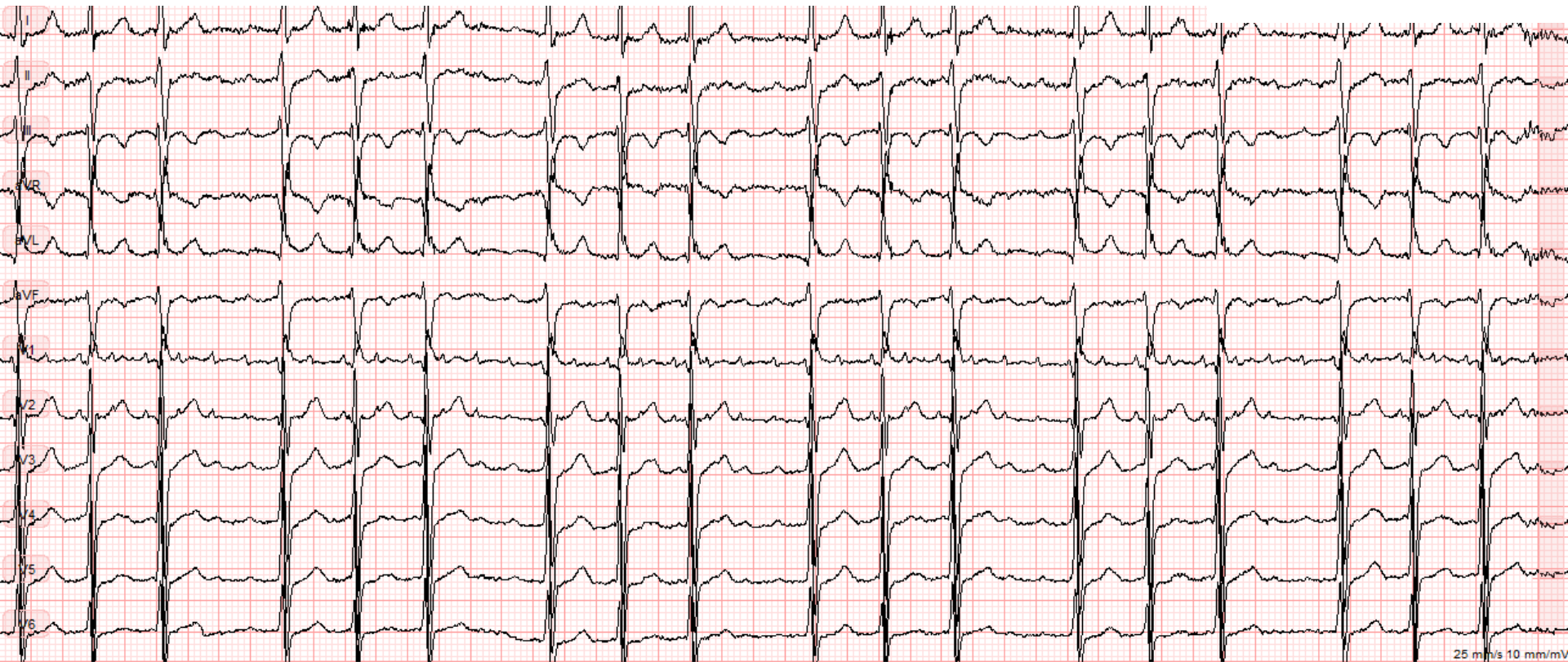


Case 80





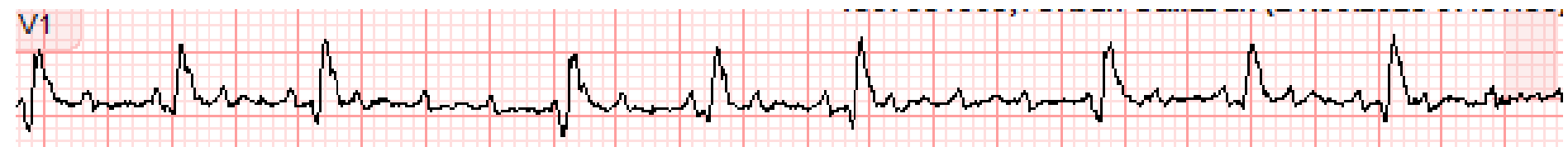
Case 81



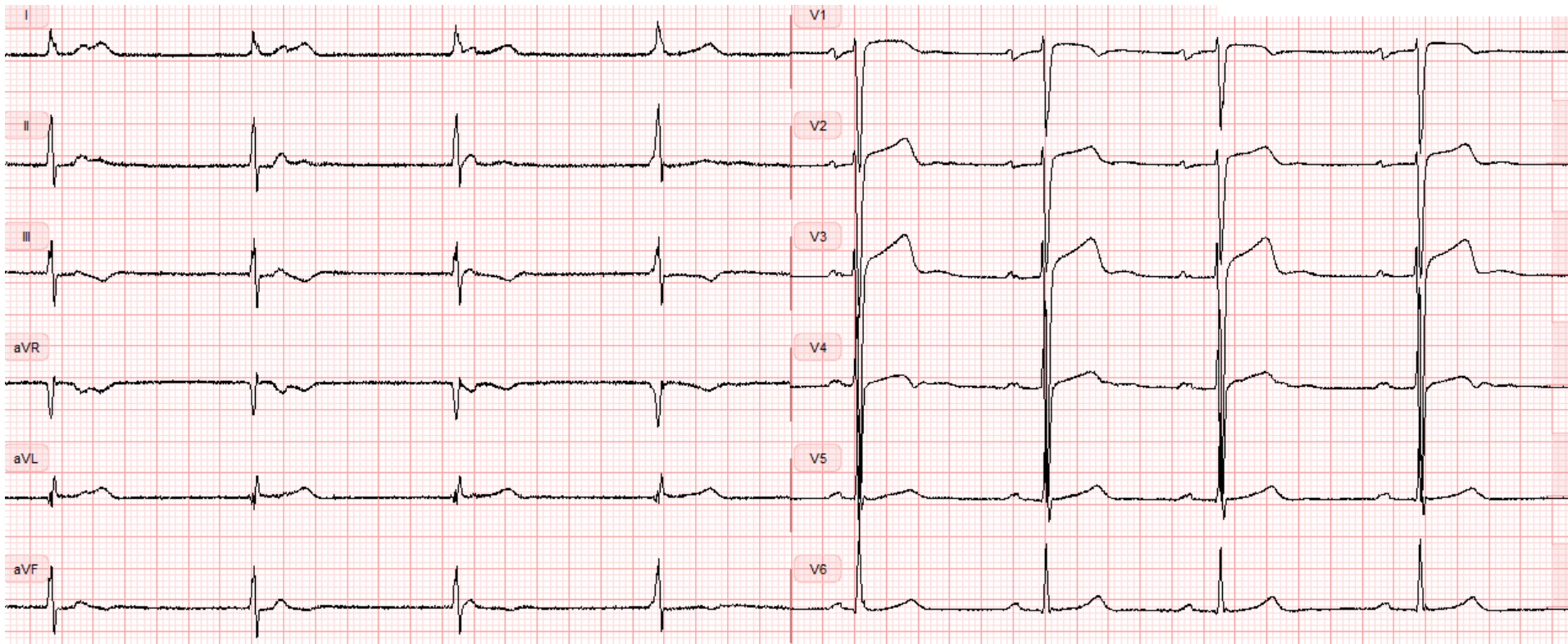
Startposition: 0.00 sek. <

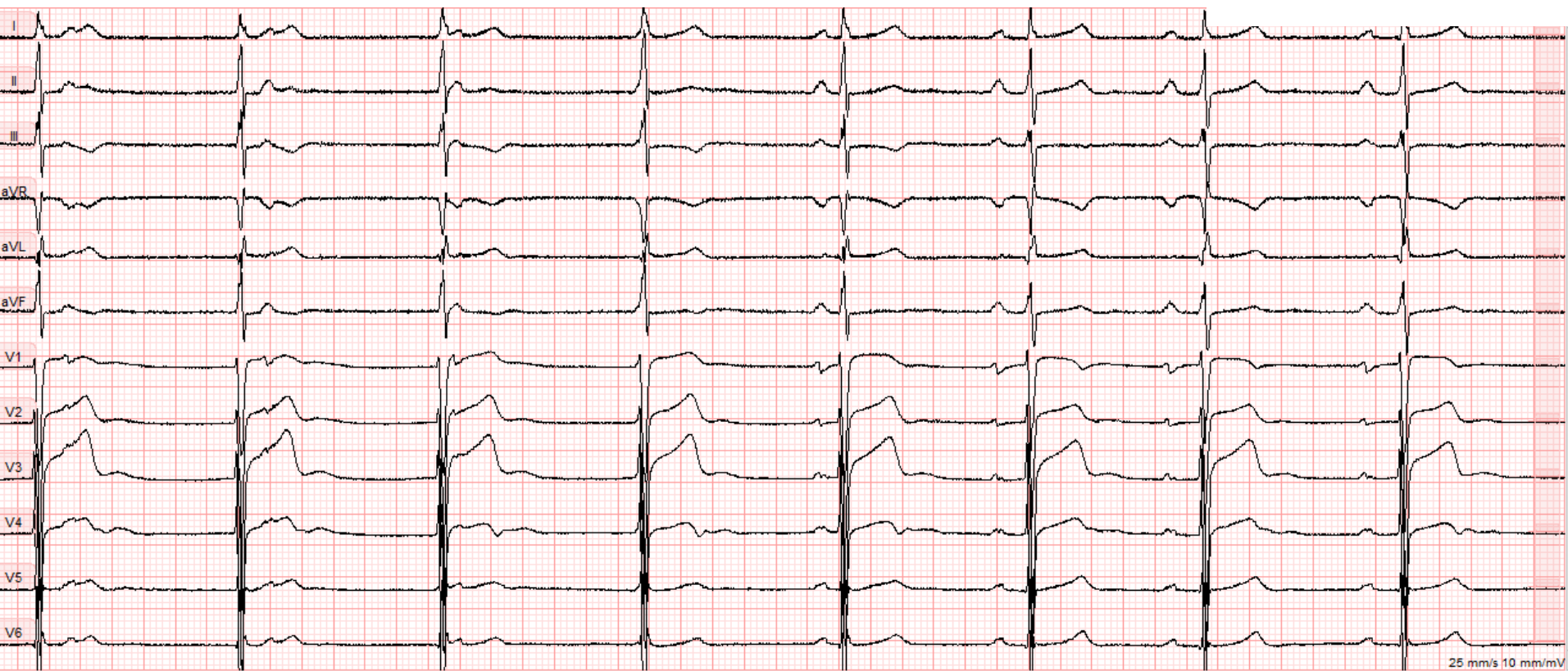
25 mm/s 10 mm/mV

>



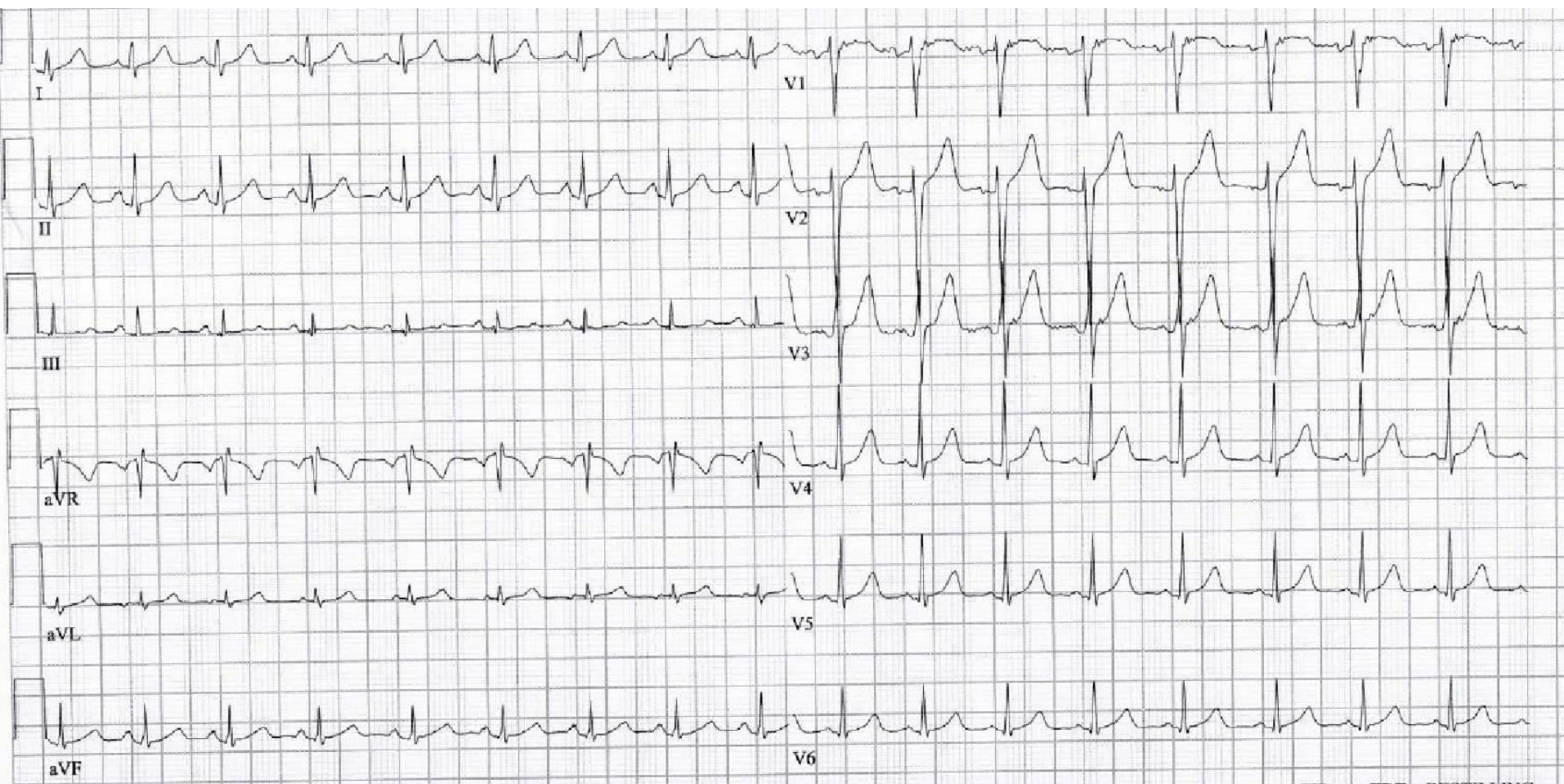
Case 82



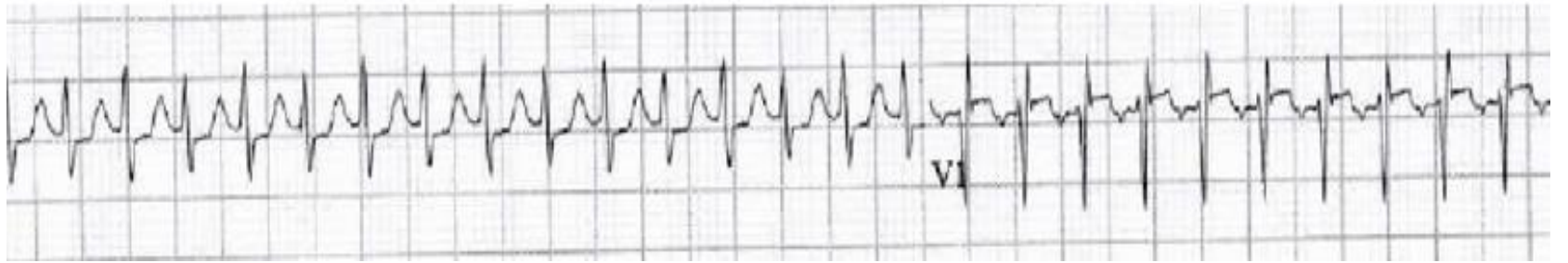


Case 84

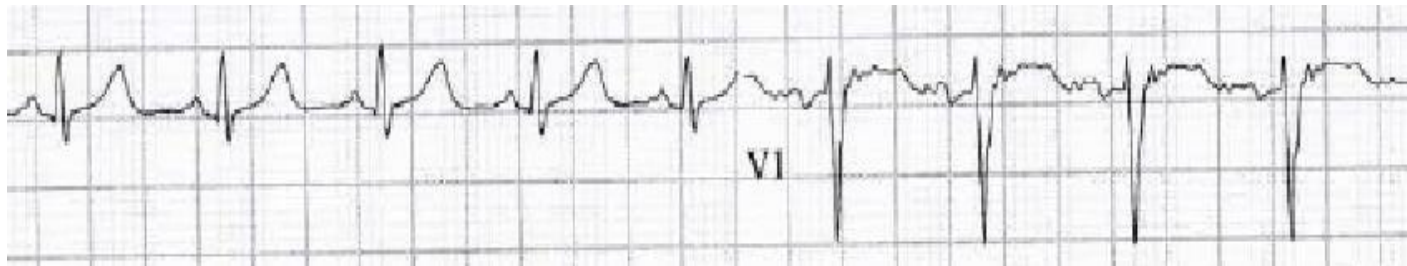




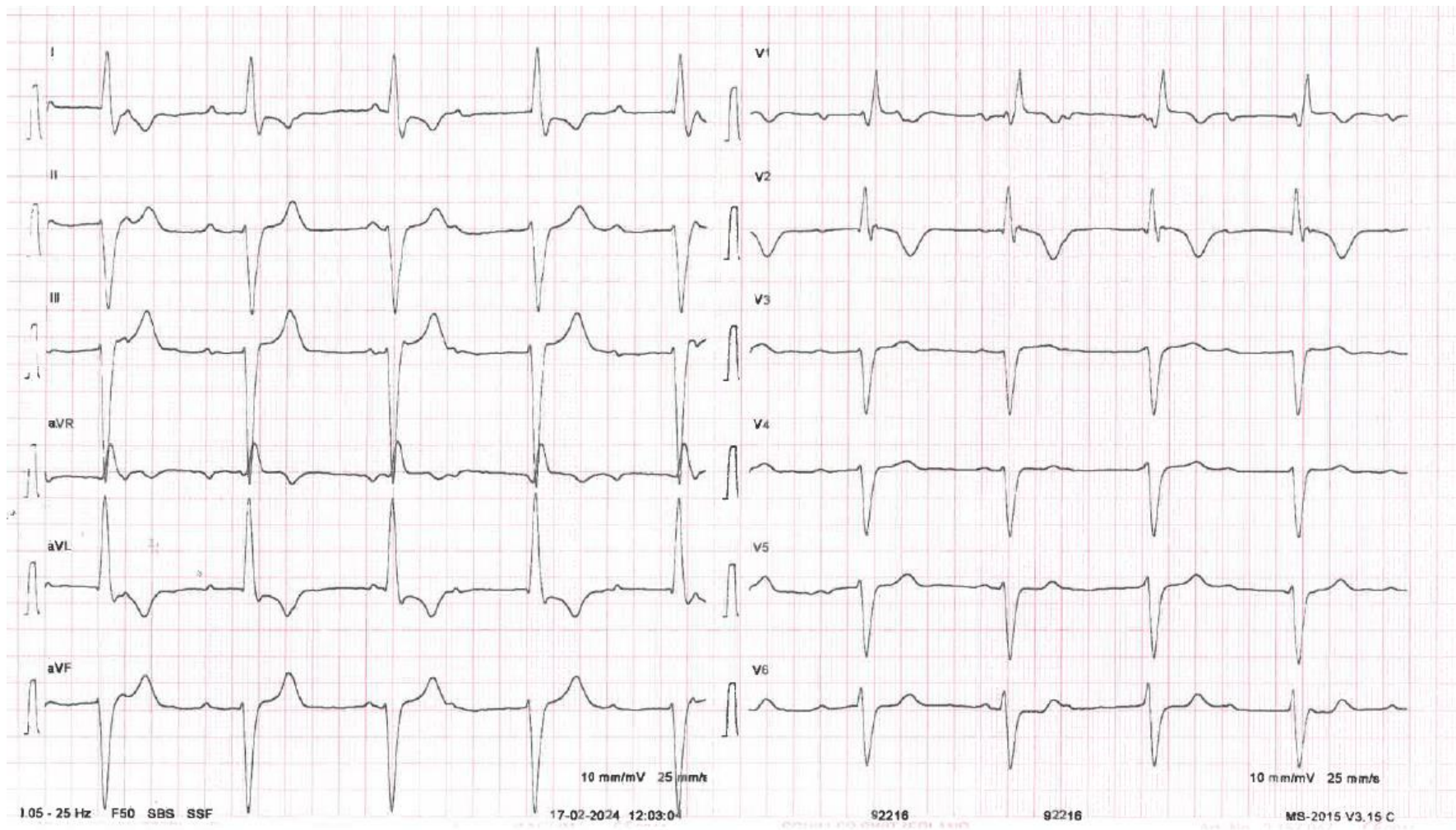
I



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Case 85



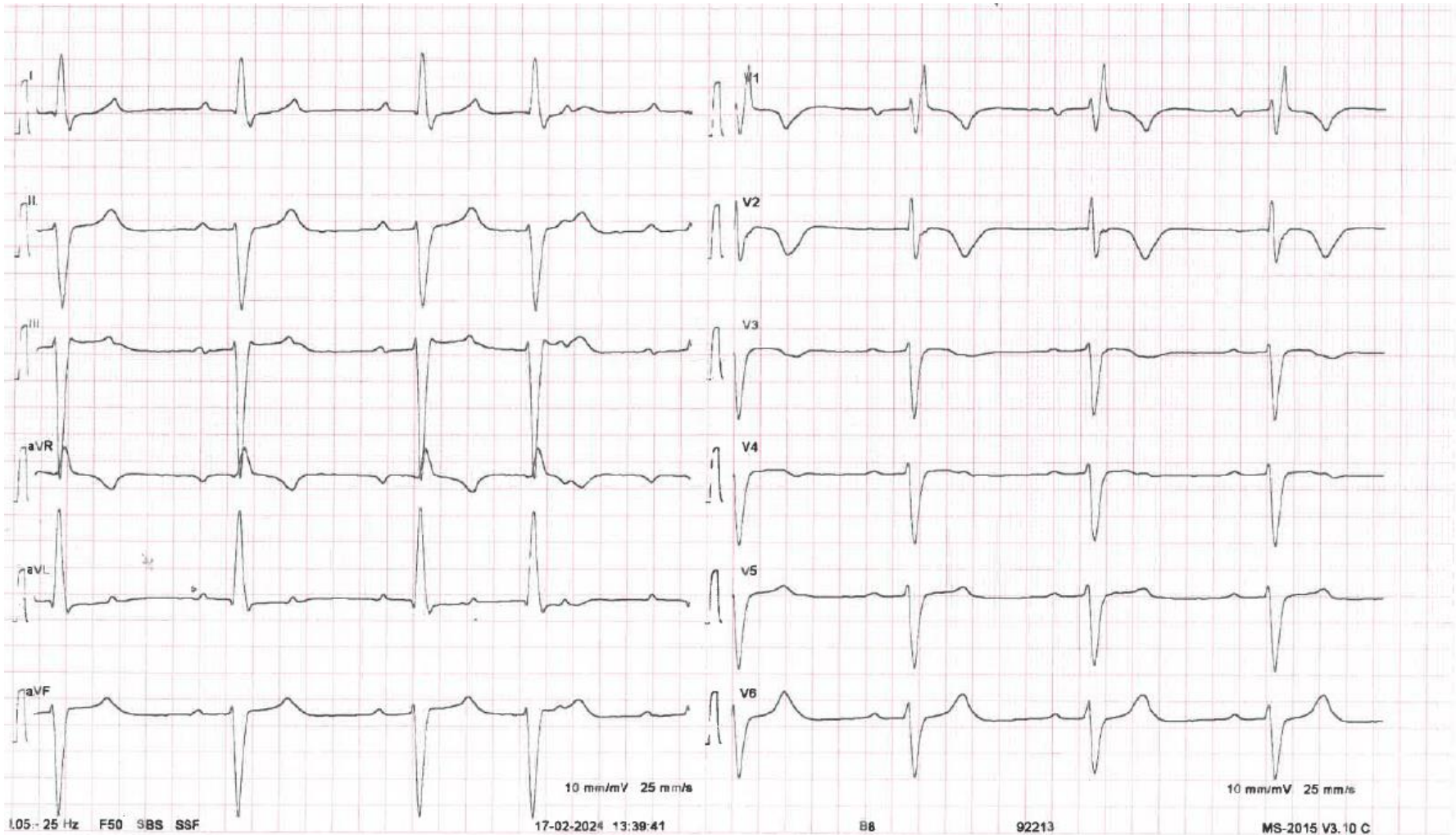
1.05 - 25 Hz F50 SBS SSF

17-02-2024 12:03:04

92216

92216

MS-2015 V3.15 C



1.05 - 25 Hz F50 SBS SSF

17-02-2024 13:39:41

B8

92213

MS-2015 V3.10 C

