

Paroxysmální SVT ?

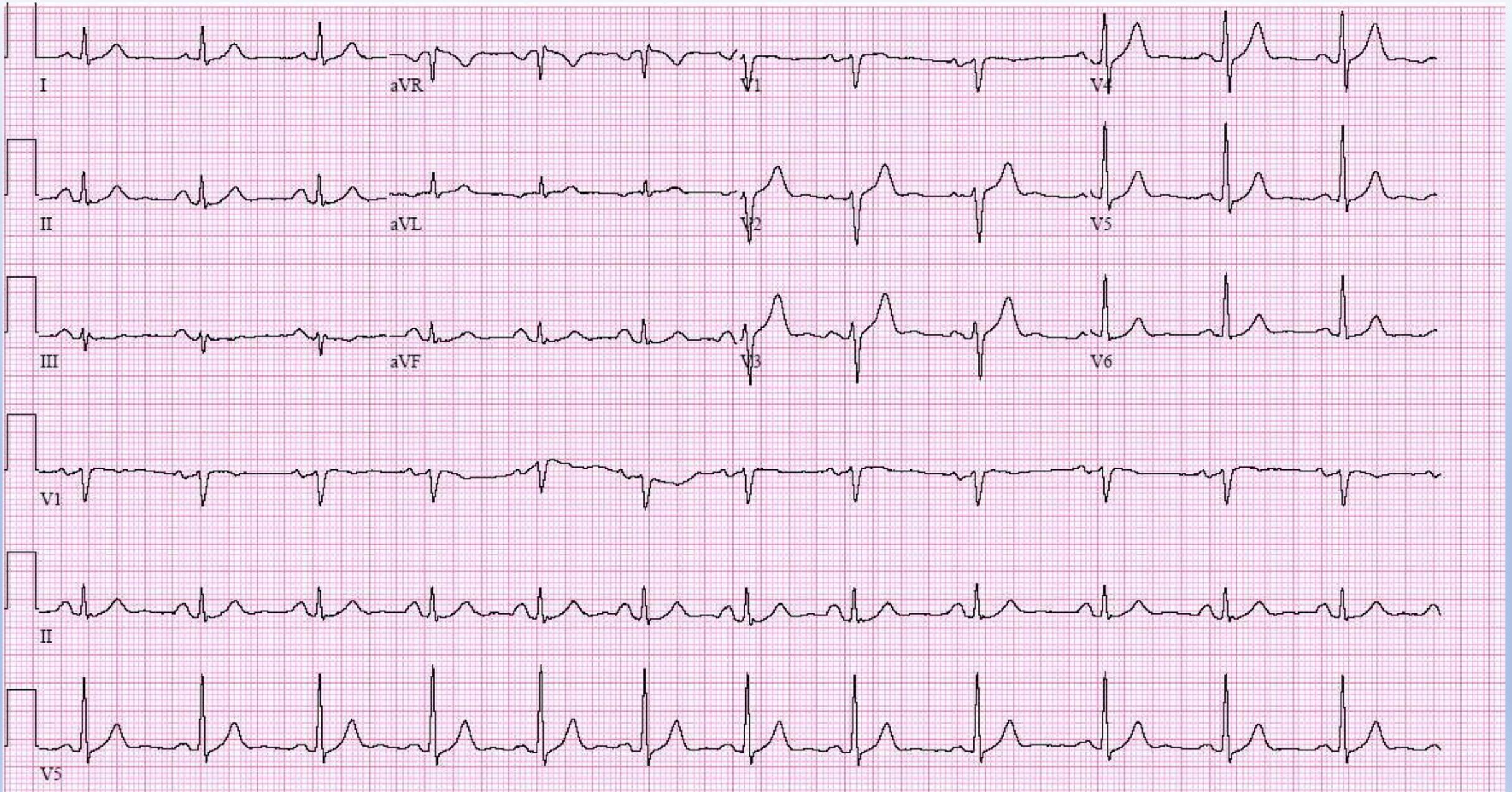
EP kazuistiky – krása intrakardiálních signálů

Luděk Haman

I. interní kardiologická klinika FN HK

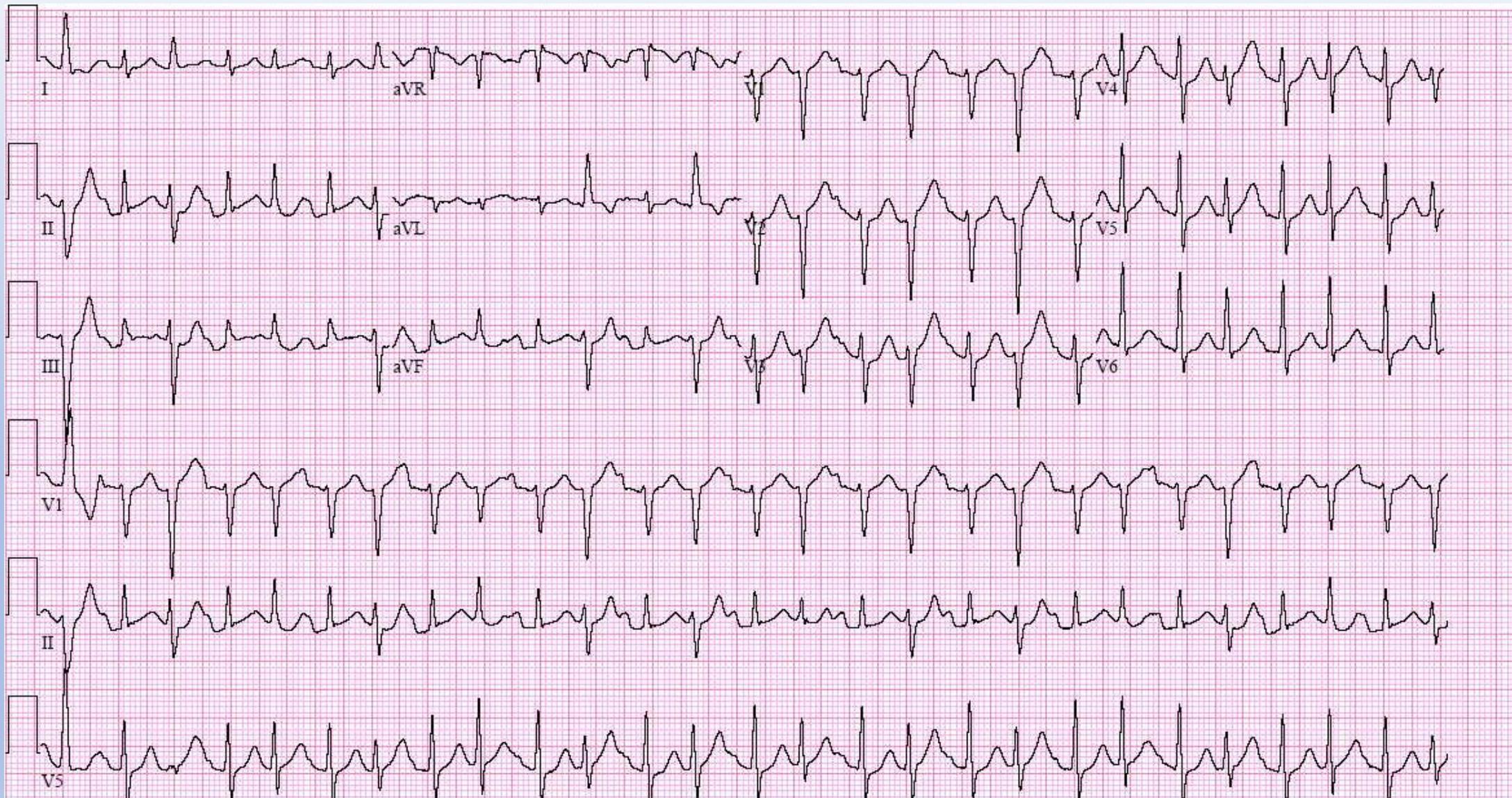
Kasuistika 1

- Muž, 40 let
- 4 roky palpitate, efekt vagových manévrů +-
- Jinak zdravý, norm. UZ srdce
- Nasazen bisoprolol
- V posledních měsících progrese obtíží (až incesantní charakter)



1 – AVNRT

2 – AT

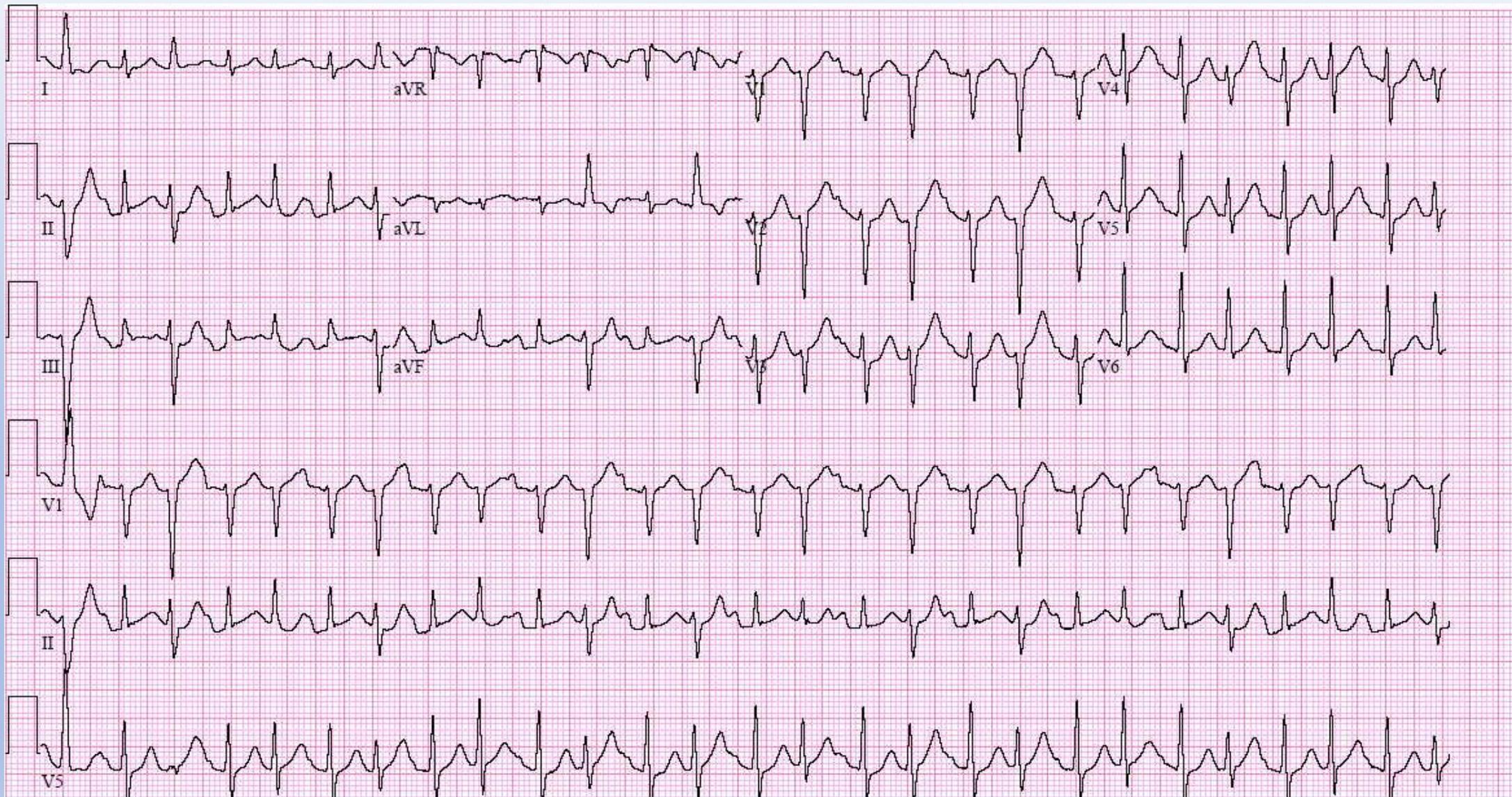


3 – FS

4 – jiné

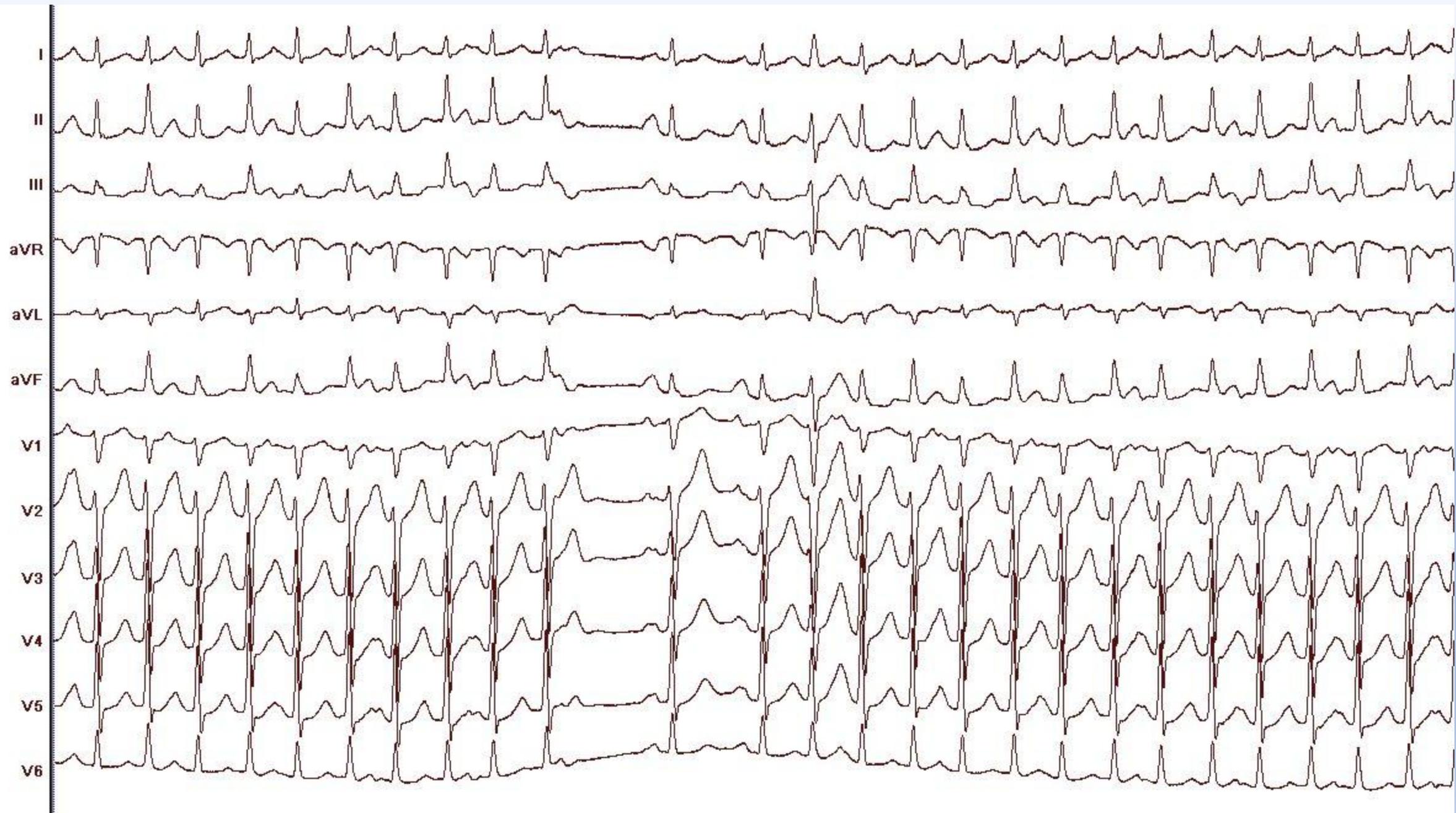
1 – AVNRT

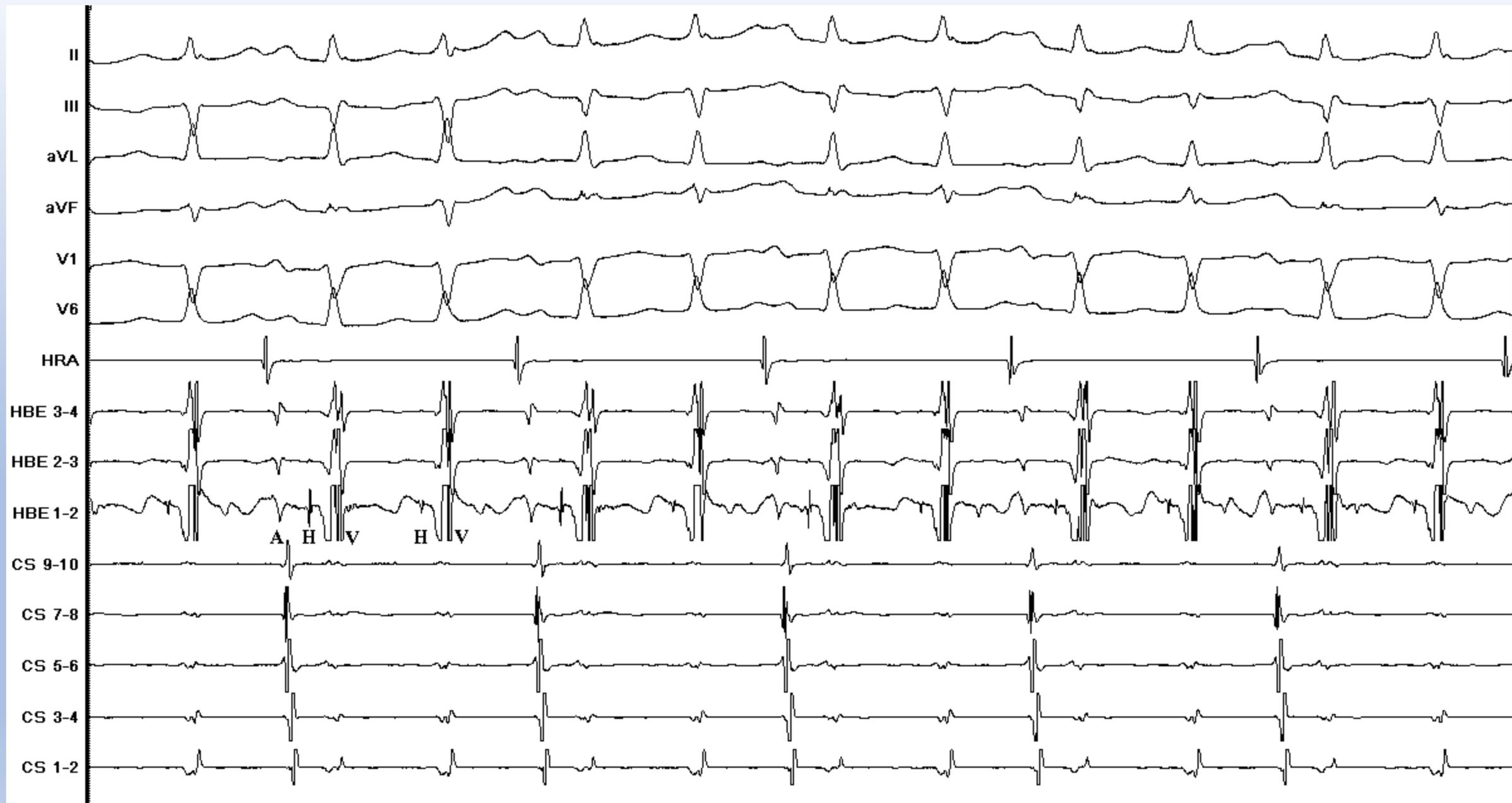
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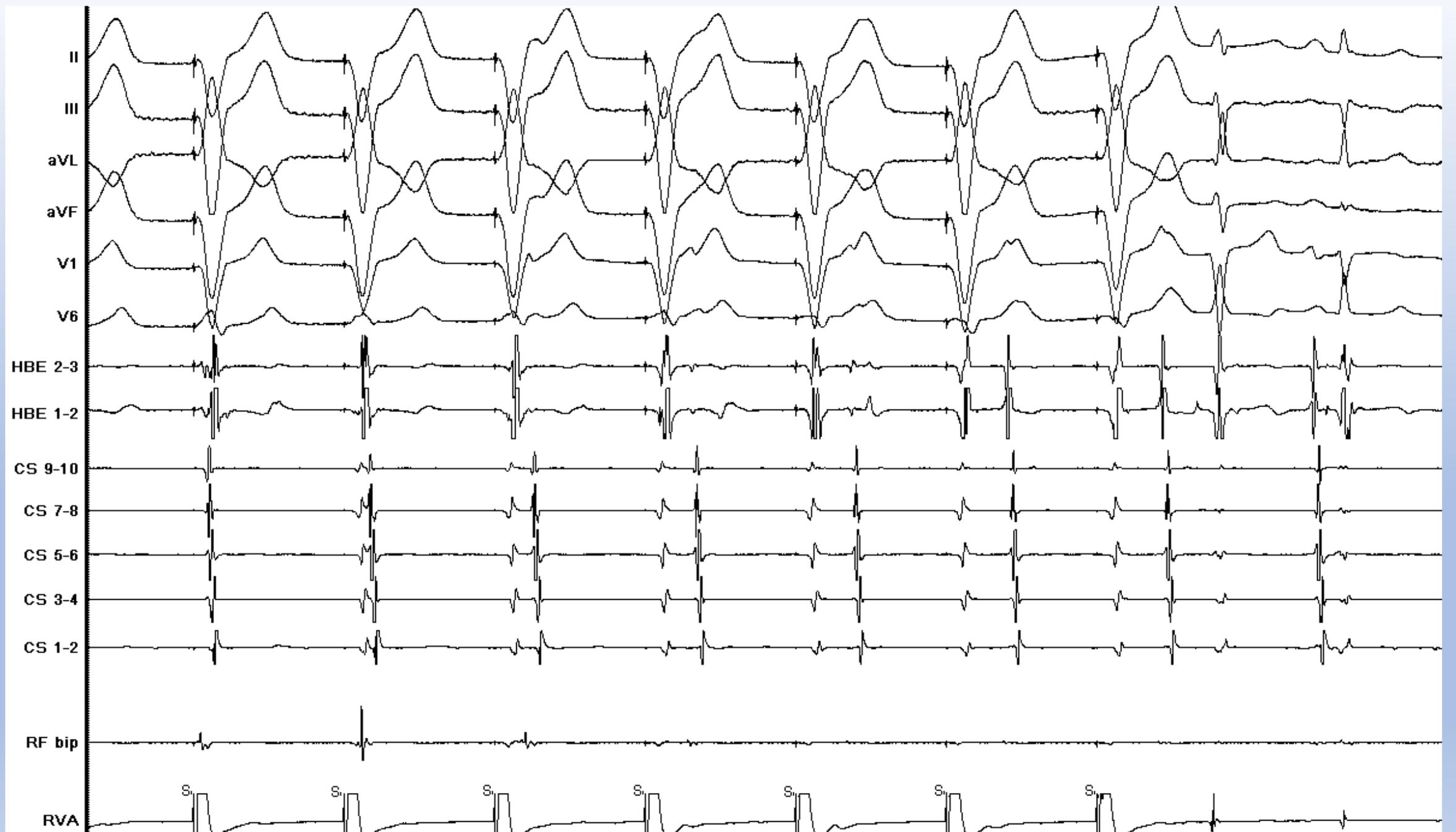


3 – FS

4 – jiné

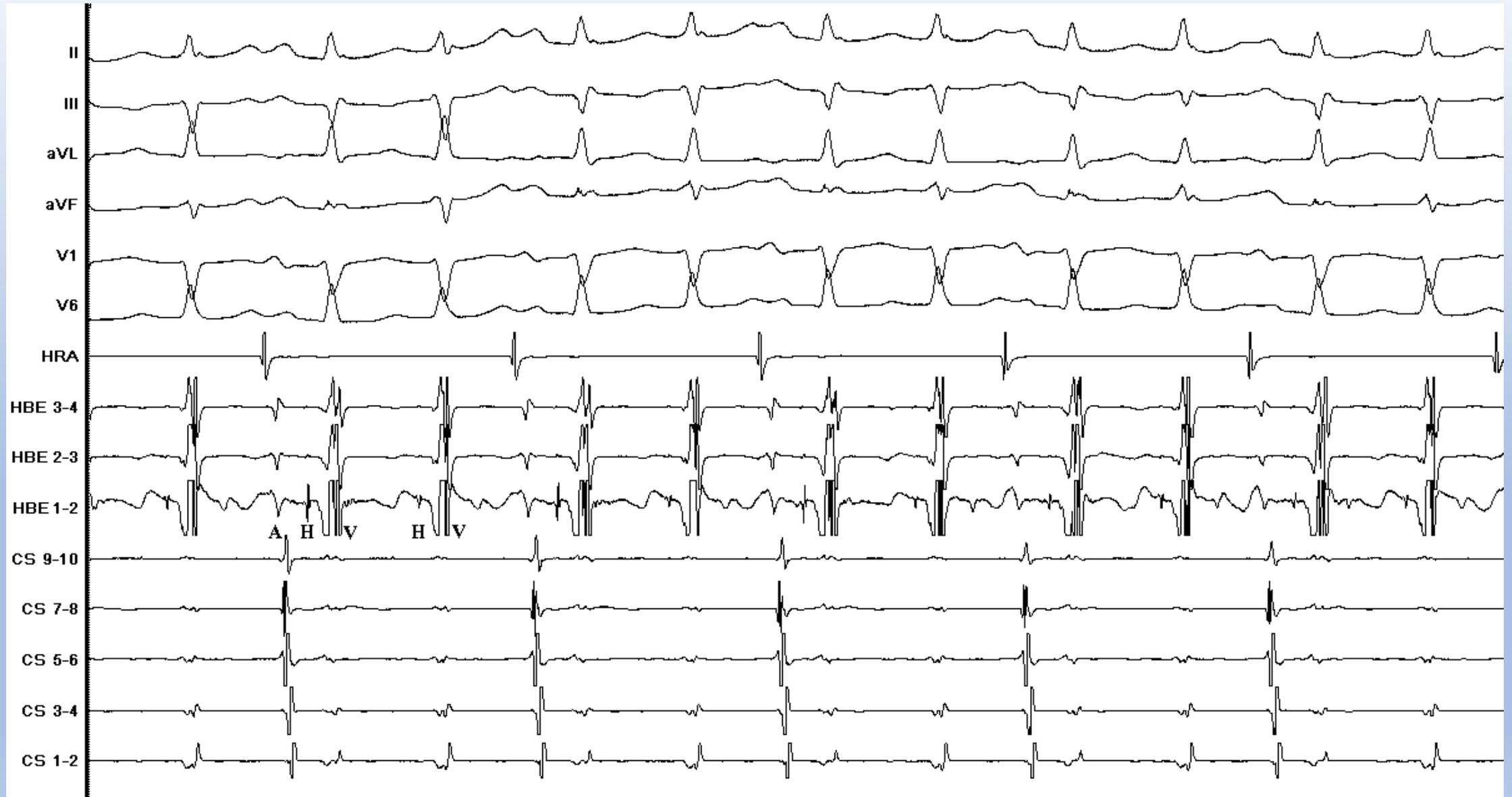






1 – non-reentry AVNT

2 – FS

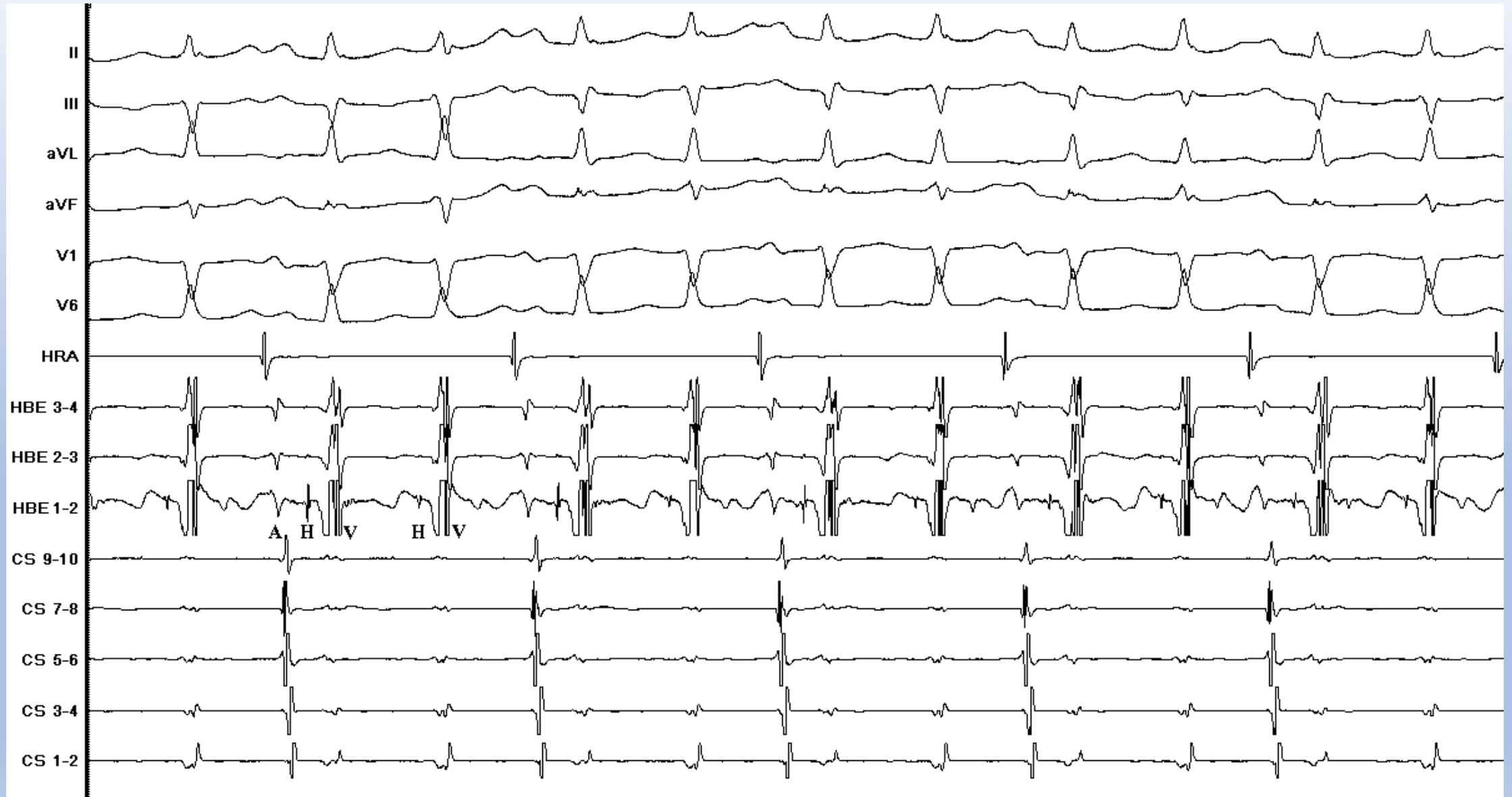


3 – AT

4 – KT

1 – non-reentry AVNT

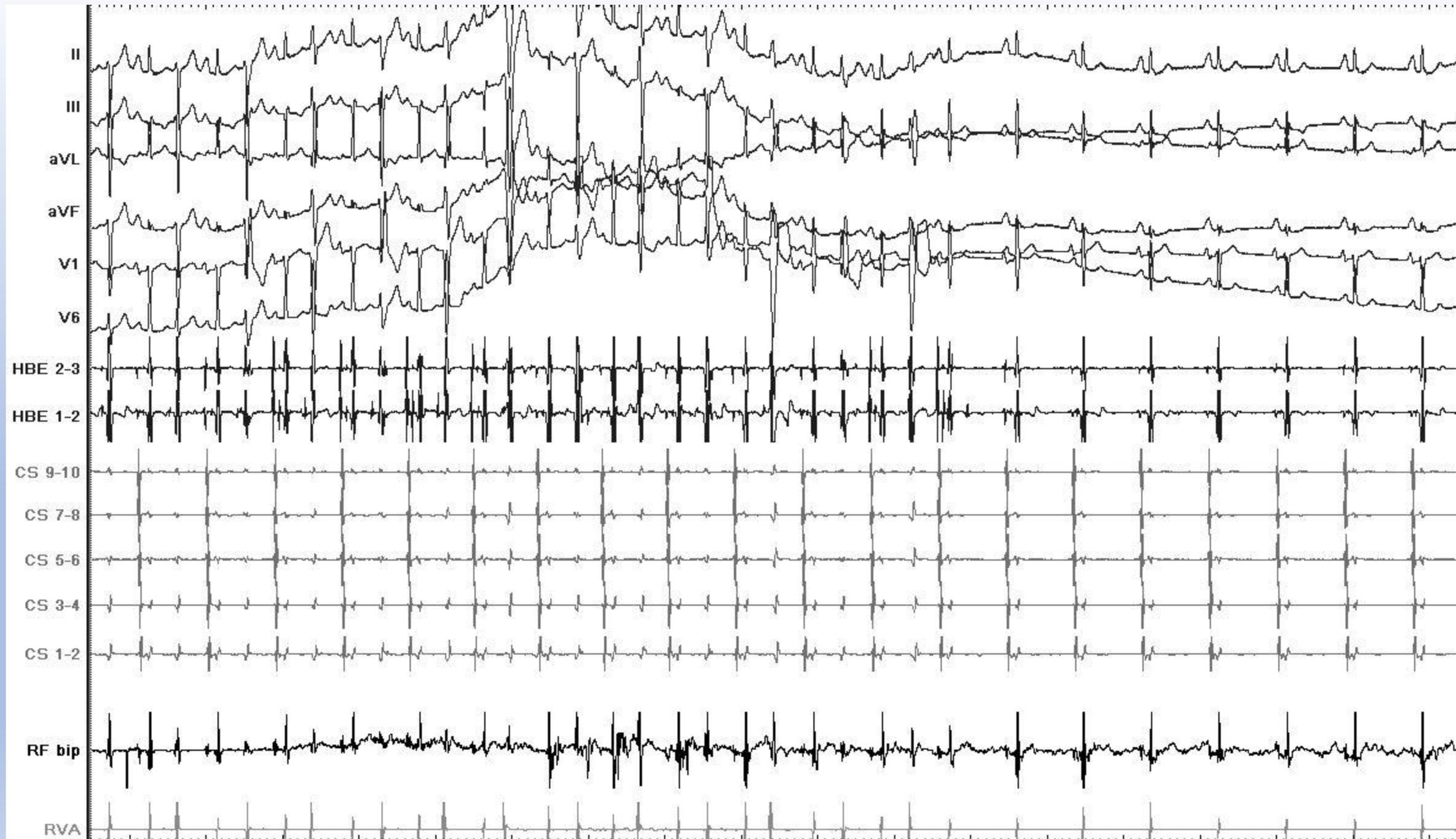
2 – FS



3 – AT

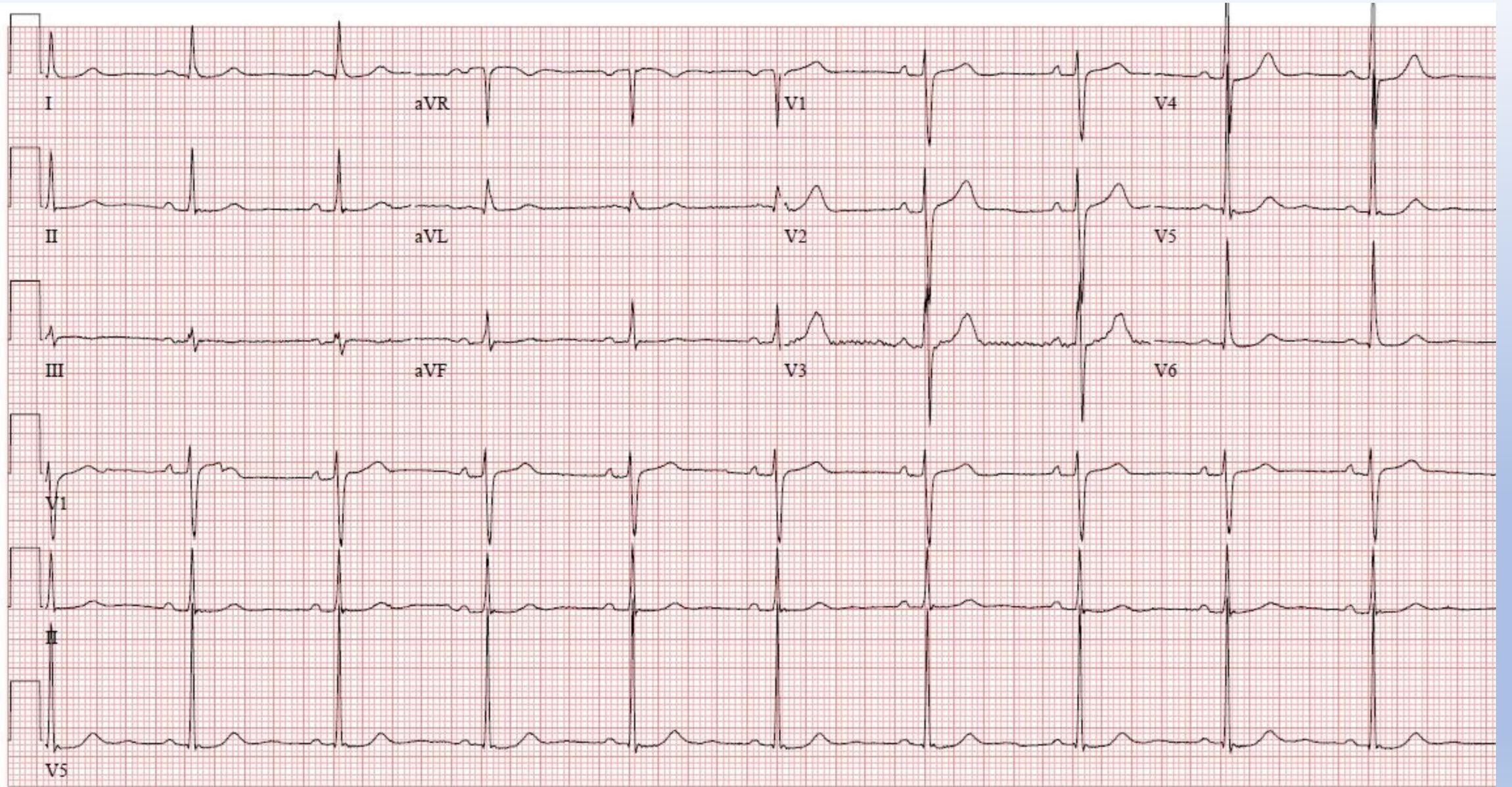
4 – KT





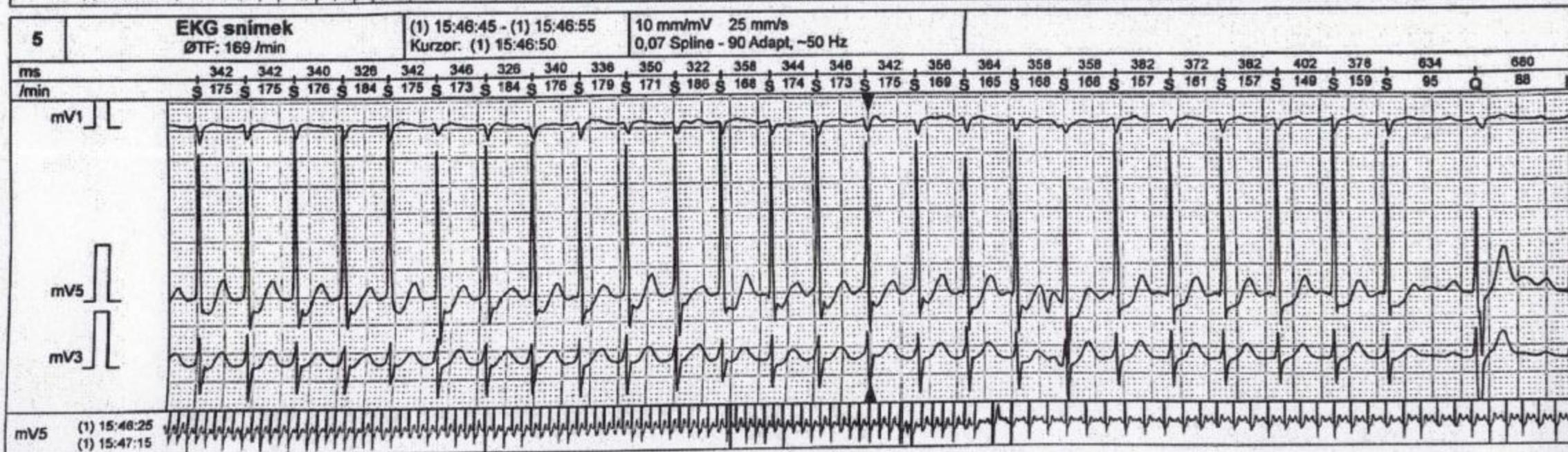
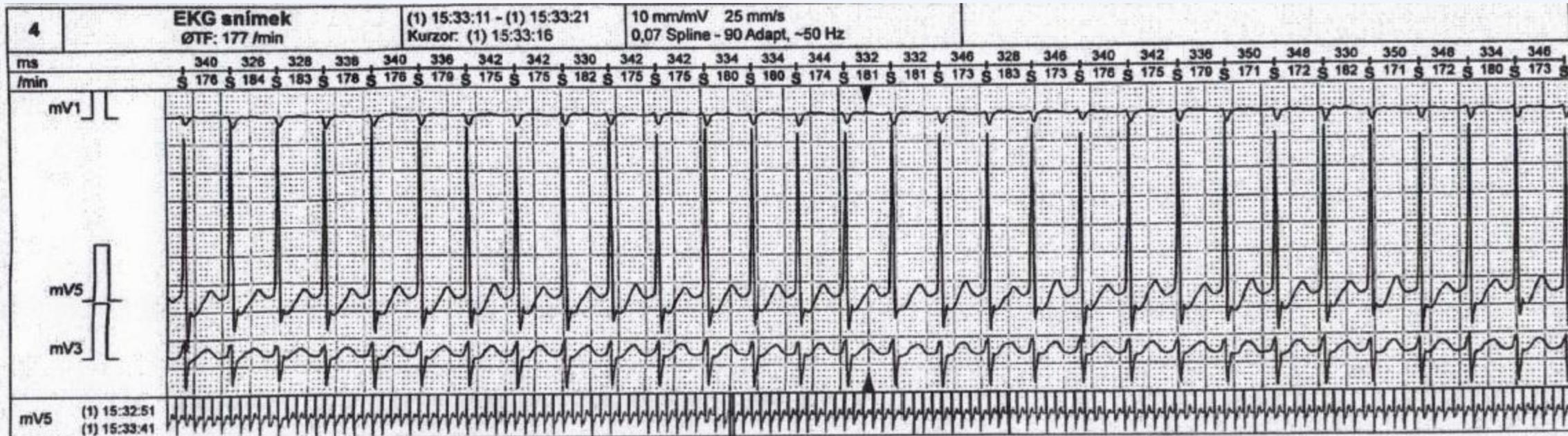
Kasuistika 2

- Muž 62 let
- Bez významnějších onemocnění
- Cca 5 let stavy slabosti, dušnosti a palpitací, převážně po námaze, trvání minuty, výskyt cca 1xT, po nasazení BB (bisoprolol 1x1,25) výskyt 1xM
- UZ srdce prakticky v normě
- Holter – 9 paroxysmů SVT 170-180/min, trvání 1min



25mm/s 10mm/mV 150Hz 10.1.8 12SL 245 CID: 2

EID: EDT: ORDER:





A – F/S AVNRT

B – AT



Page: HBE + CS Speed: 100 mm/s

C – S/F AVNRT

D – chci další údaje/stimulační manévry

A – F/S AVNRT

B – AT



Page: HBE + CS Speed: 100 mm/s

C – S/F AVNRT

D – chci další údaje/stimulační manévry

A. Ventricular Pacing Maneuvers

1. During SVT

- a. Entrainment from right ventricular apex
 - i. Post pacing response
 - ii. PPI – TCL and SA- VA
 - iii. Delta HA
- b. Ventricular extrastimuli
 - i. His-synchronous VPC
 - ii. Resetting
- c. Parahisian Entrainment
- d. Differential Entrainment

2. During Sinus Rhythm

- a. Parahisian Pacing
- b. Differential Ventricular Pacing (Apex-Base pacing)
- c. Delta HA interval

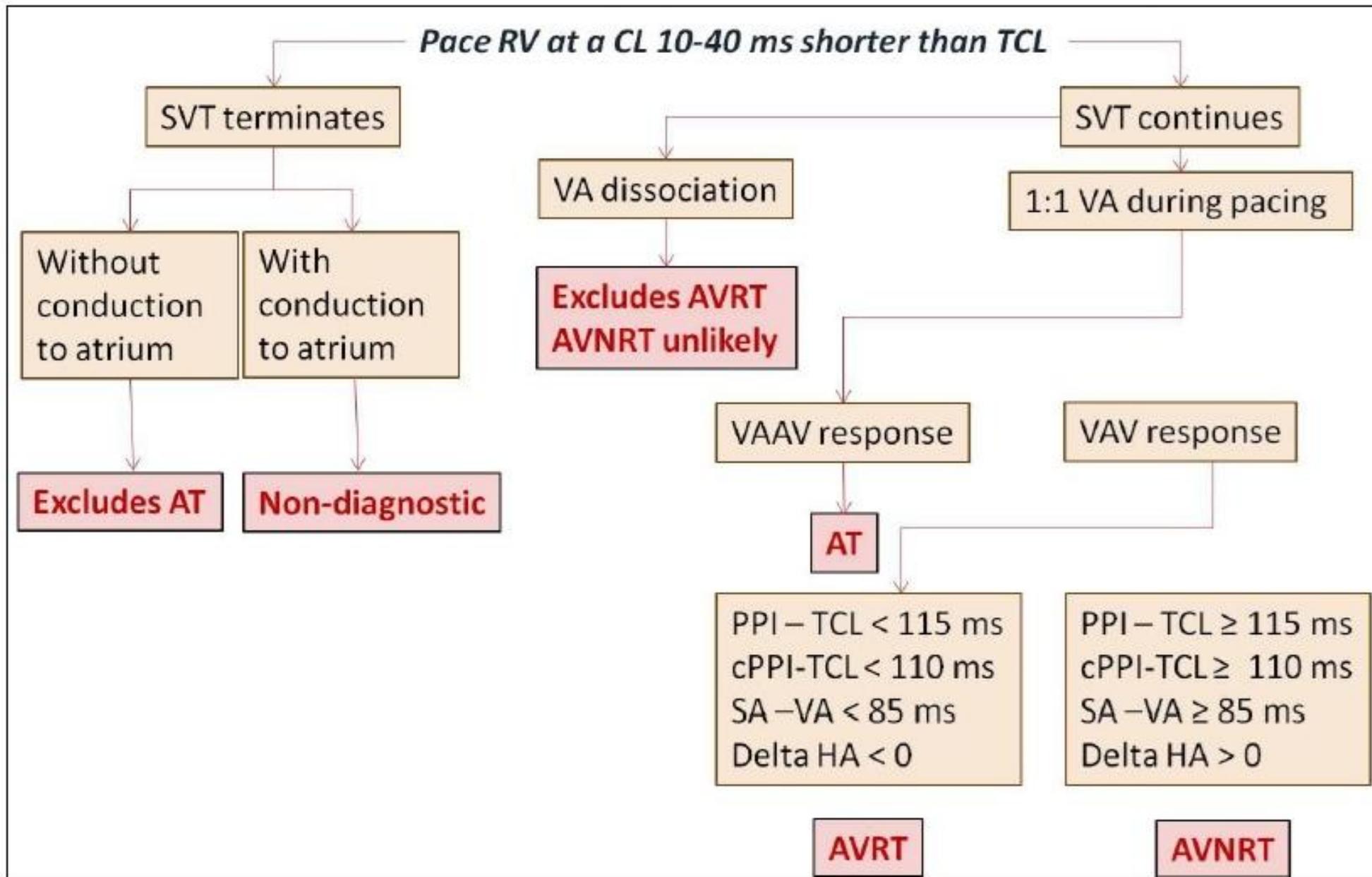
B. Atrial Pacing Maneuvers

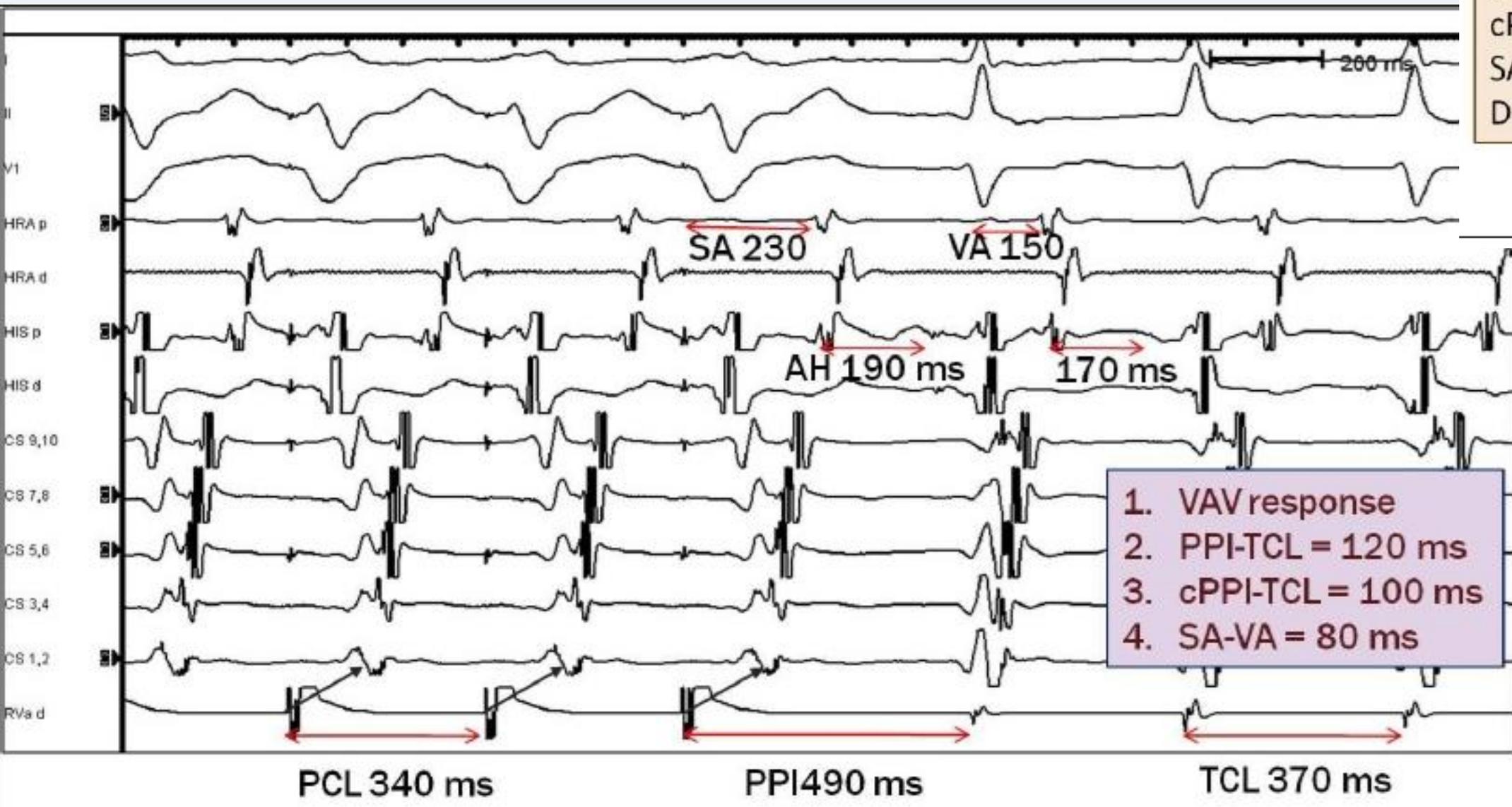
i. During SVT

- a. Atrial premature complex (APC)
 - i. His-refractory APC
 - ii. Early APC
- b. Overdrive Atrial Pacing
 - i. VA linking
- c. Differential Atrial Overdrive Pacing

ii. During Sinus Rhythm

- a. $\Delta AH = AH \text{ during pacing} - AH \text{ during SVT}$

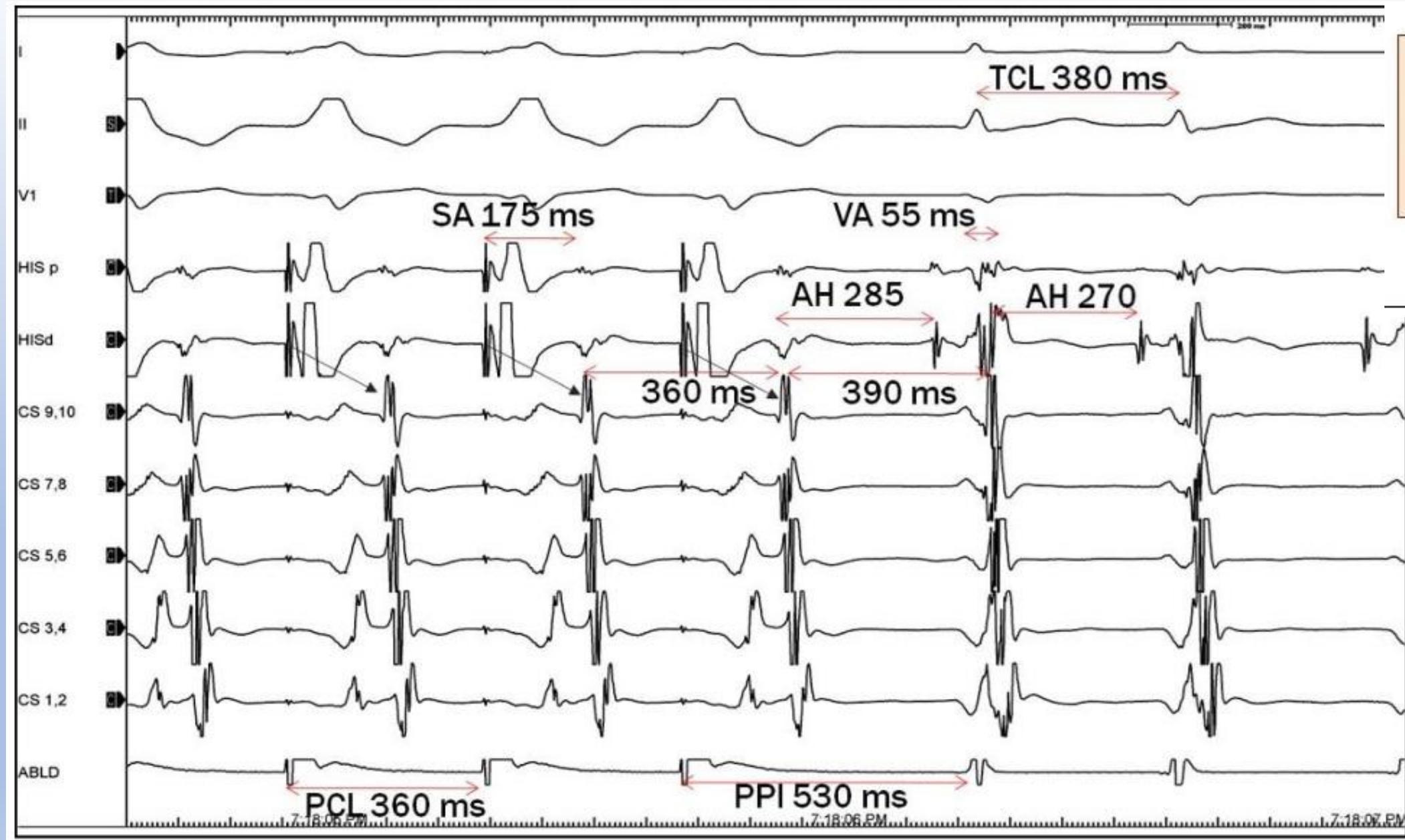




$PPI - TCL < 115 \text{ ms}$
 $cPPI - TCL < 110 \text{ ms}$
 $SA - VA < 85 \text{ ms}$
 $\Delta HA < 0$

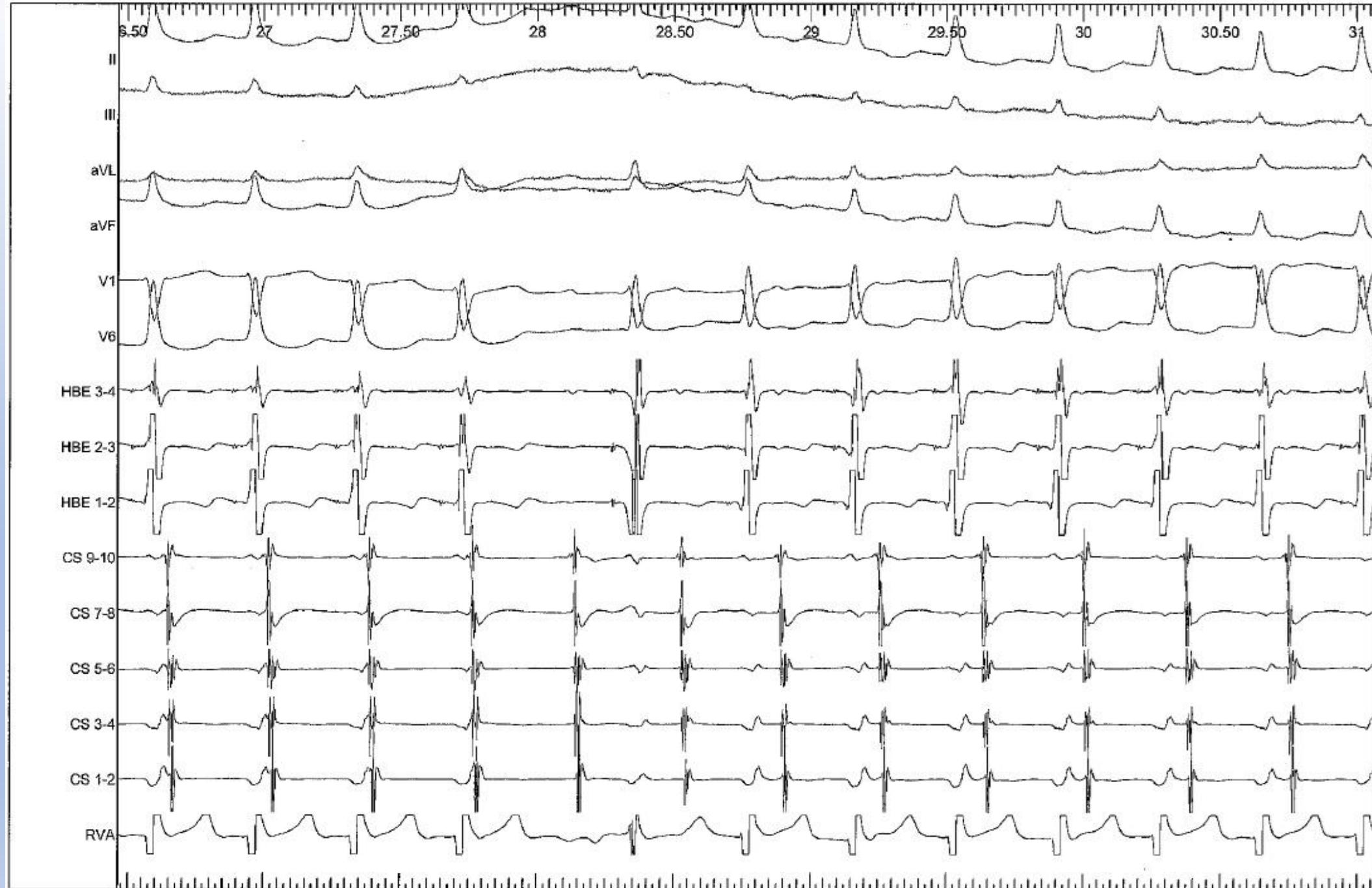
AVRT

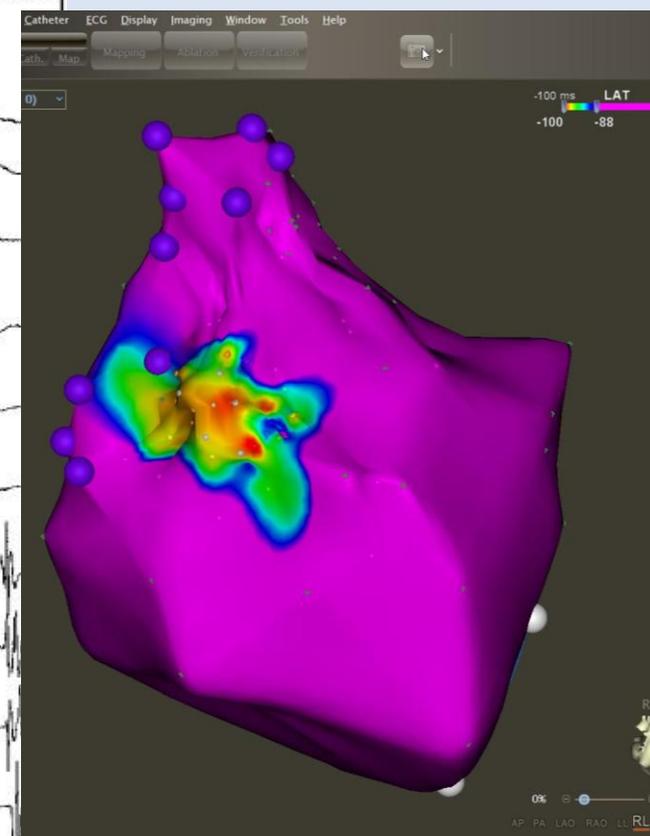
1. VAV response
2. $PPI - TCL = 120 \text{ ms}$
3. $cPPI - TCL = 100 \text{ ms}$
4. $SA - VA = 80 \text{ ms}$

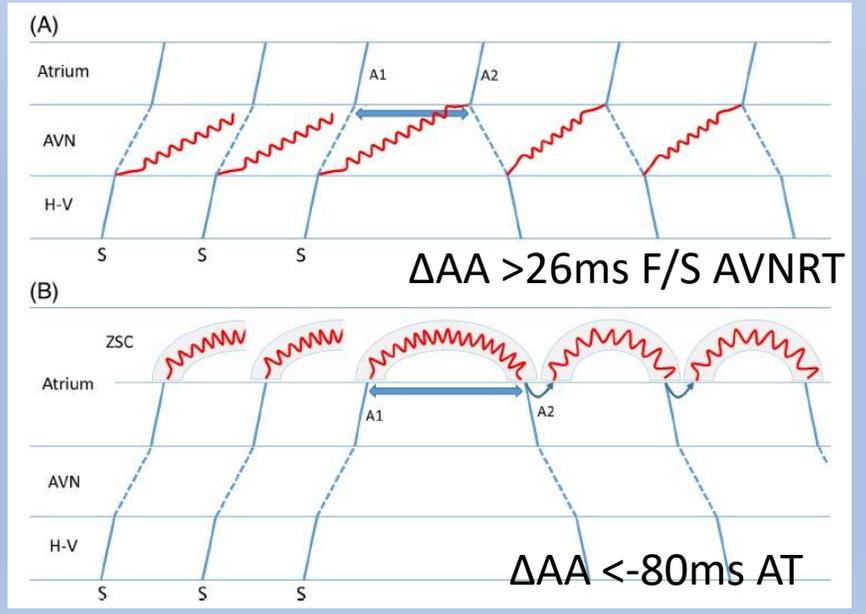
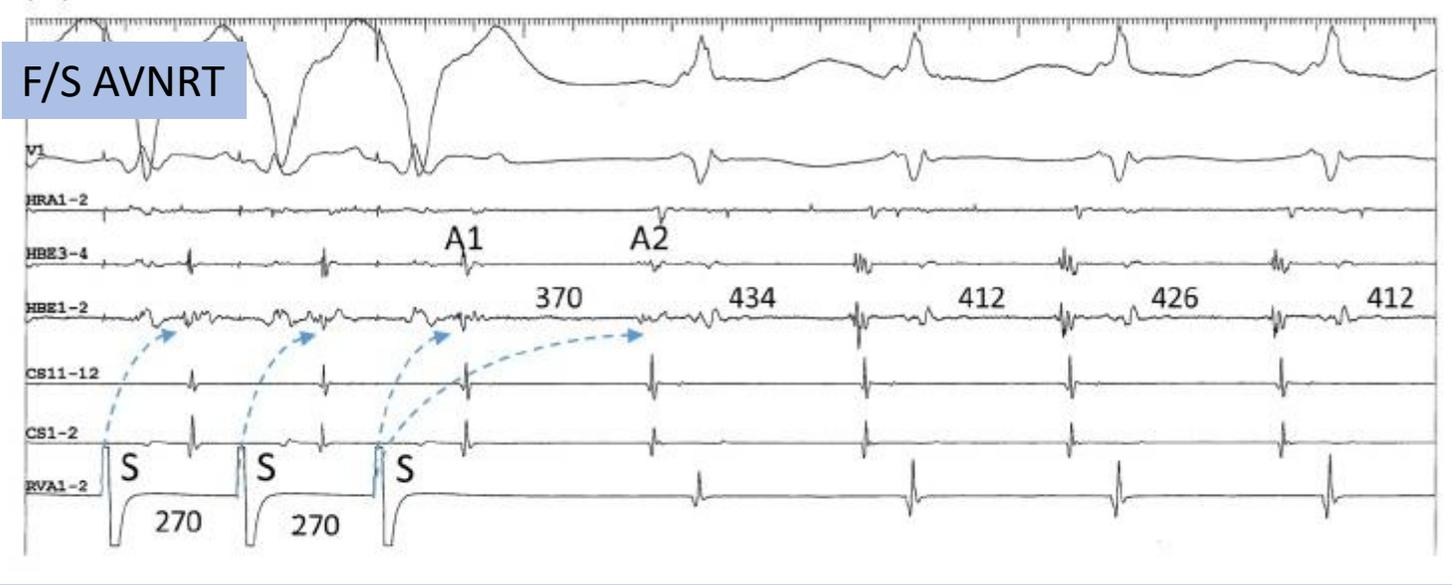
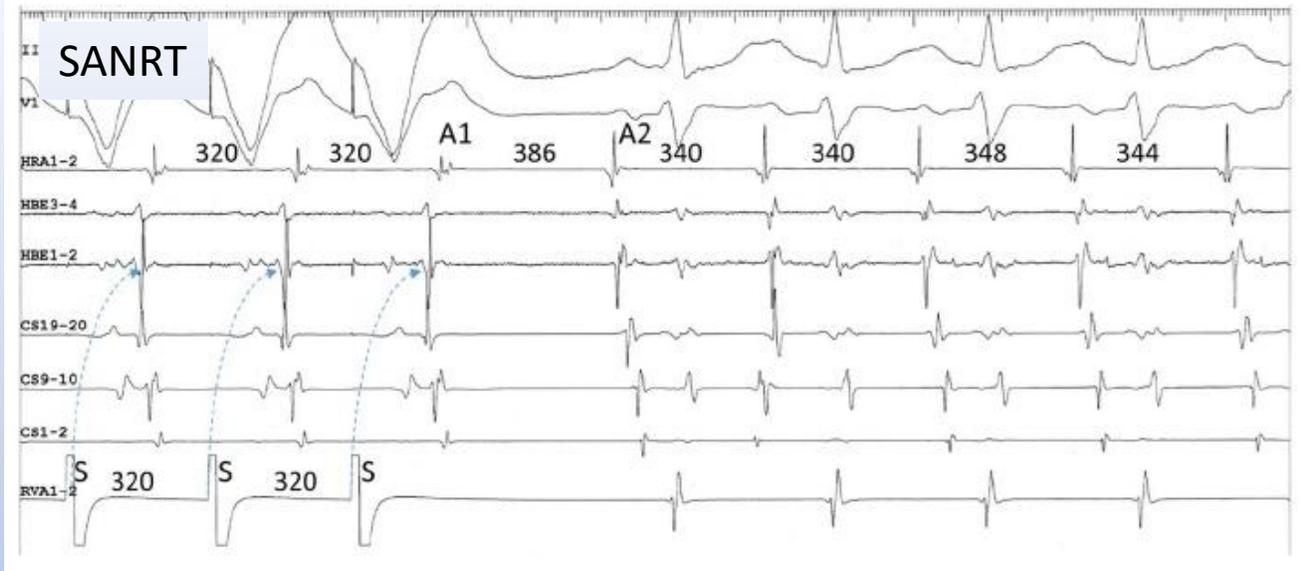
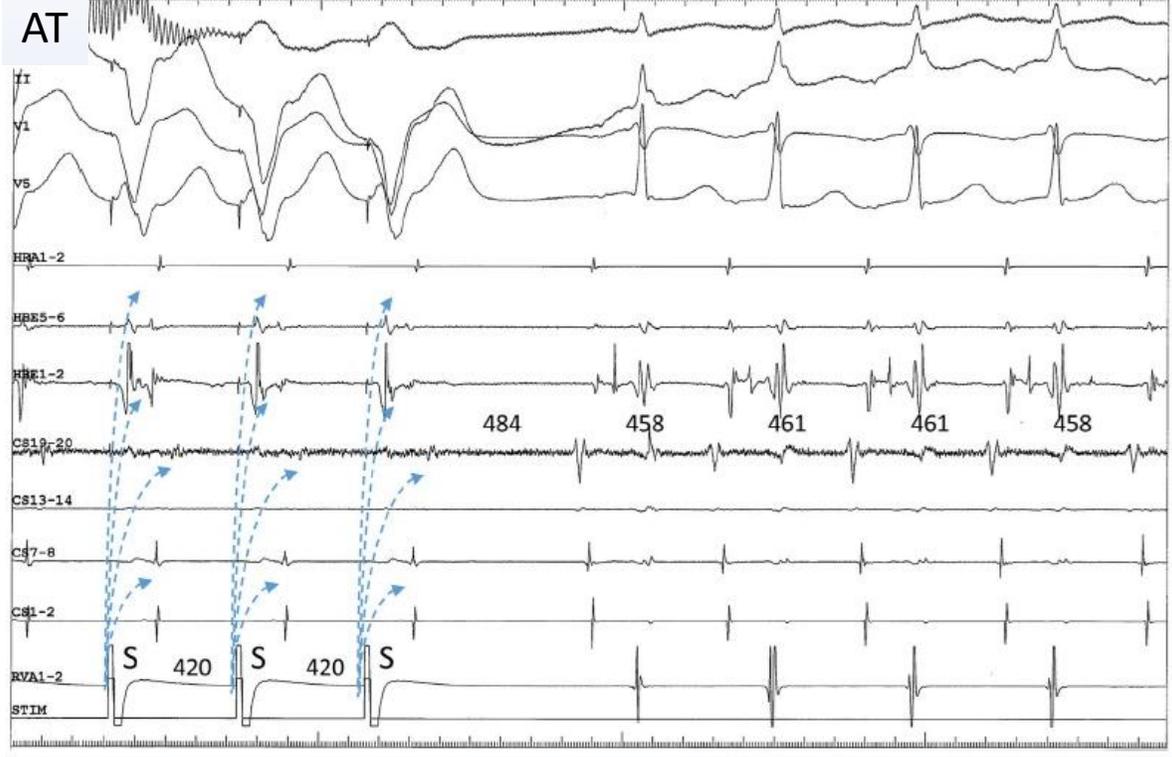


PPI – TCL ≥ 115 ms
 cPPI-TCL ≥ 110 ms
 SA – VA ≥ 85 ms
 Delta HA > 0

AVNRT

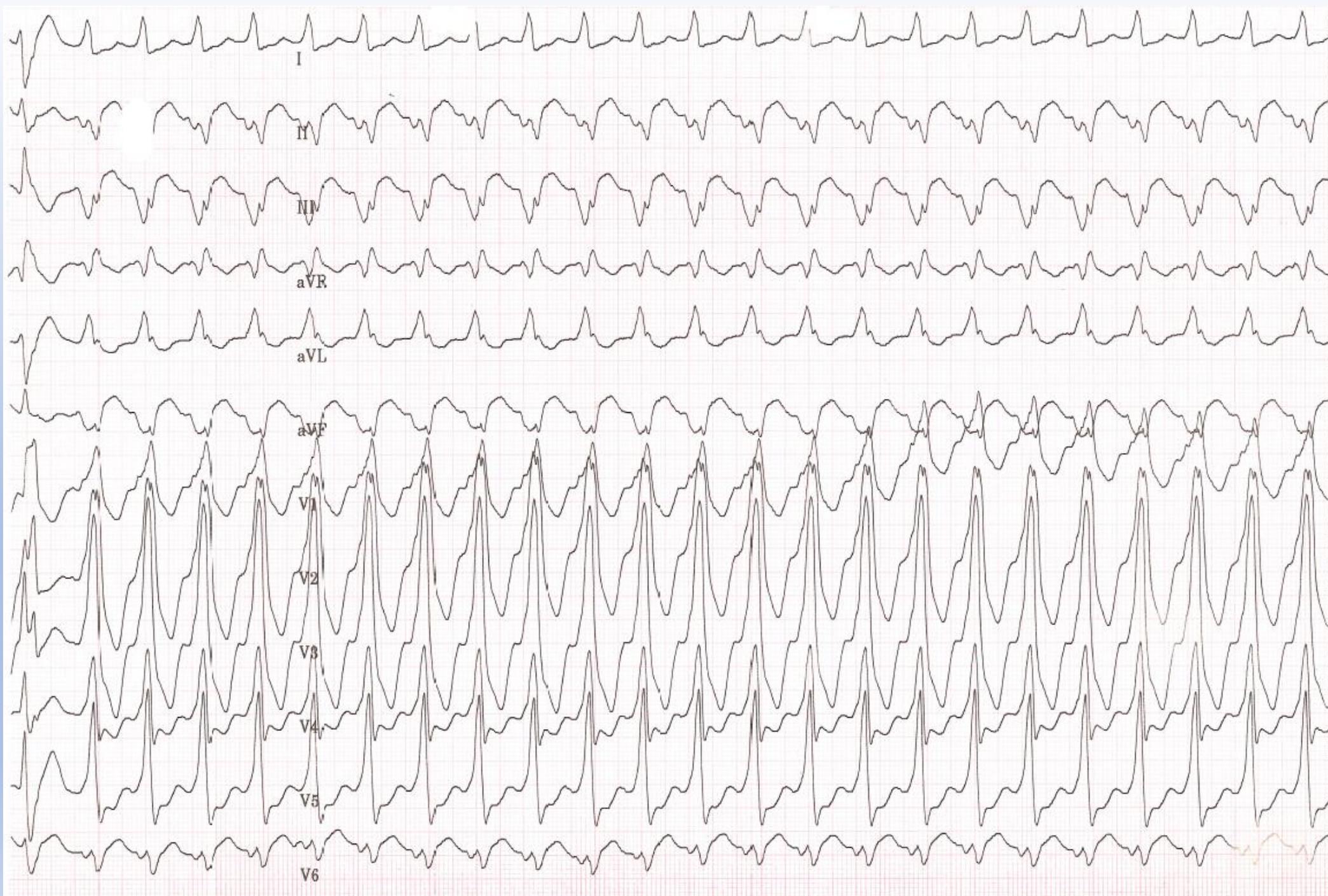


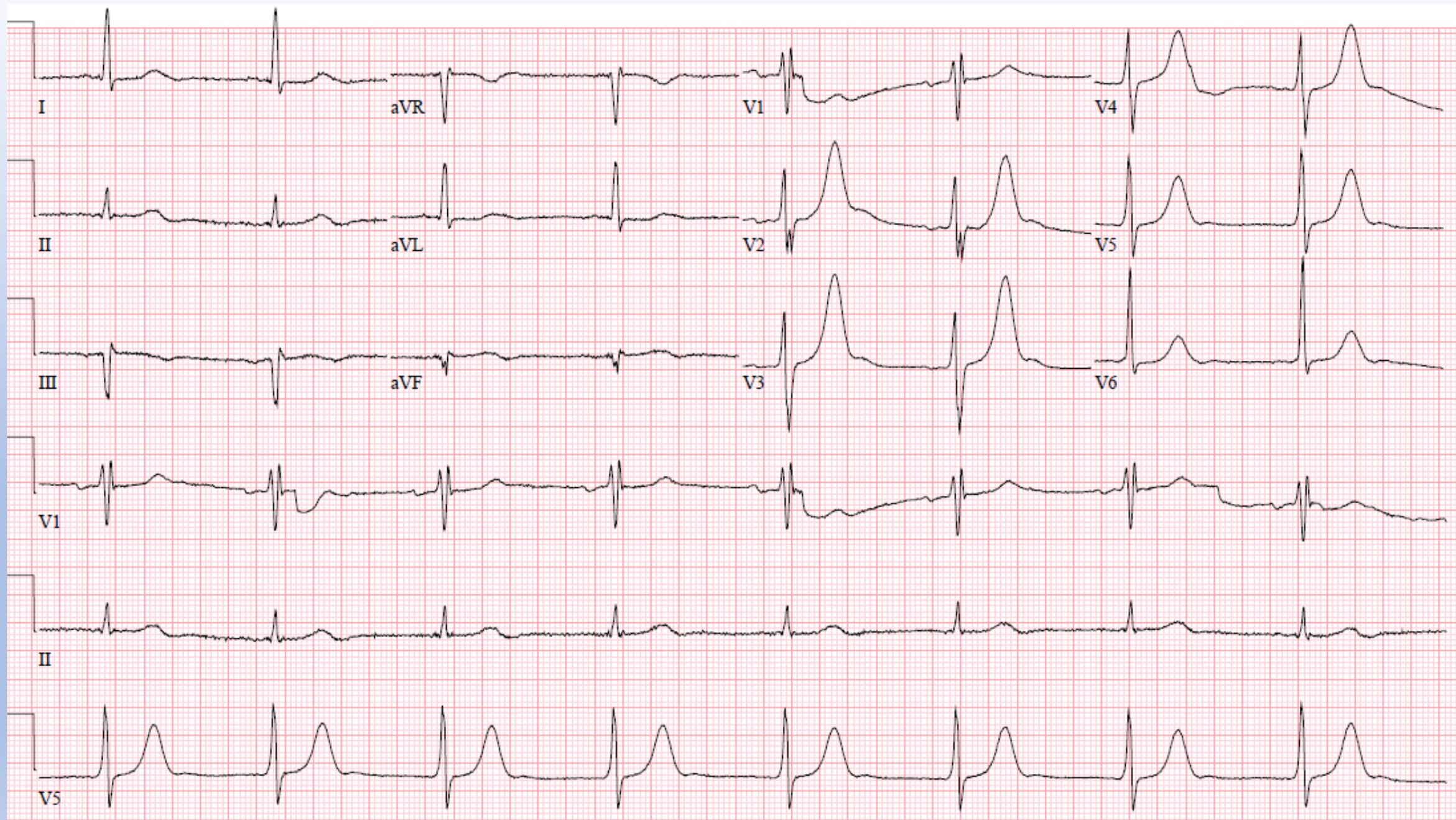




Kasuistika 3

- Muž, 1947
- ICHS, po IM, subtot. uzávěr RC 10/2009
- Extirpace myxomu PS, plastika Mi, AKB RMS 11/2009, chr. amio
- 12/16 slabost, motání hlavy, **WCT 130/min, farmakoverze bez efektu, EKV**
- KG uzávěr RC, bypass RMS, kons.
- UZ hypokineza baze spodní stěny, EF 50%

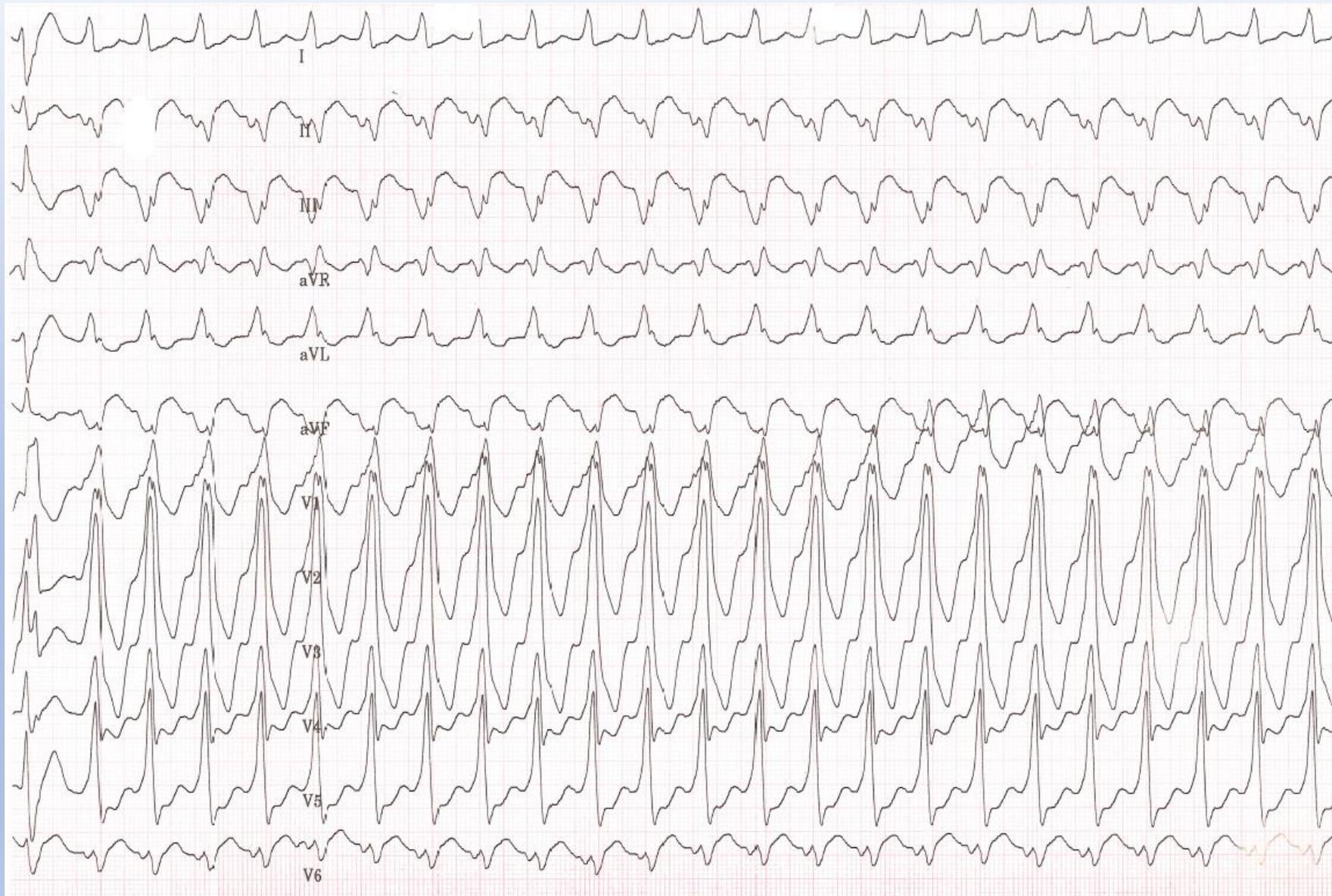






1 – KT

2 – SVT s aberací

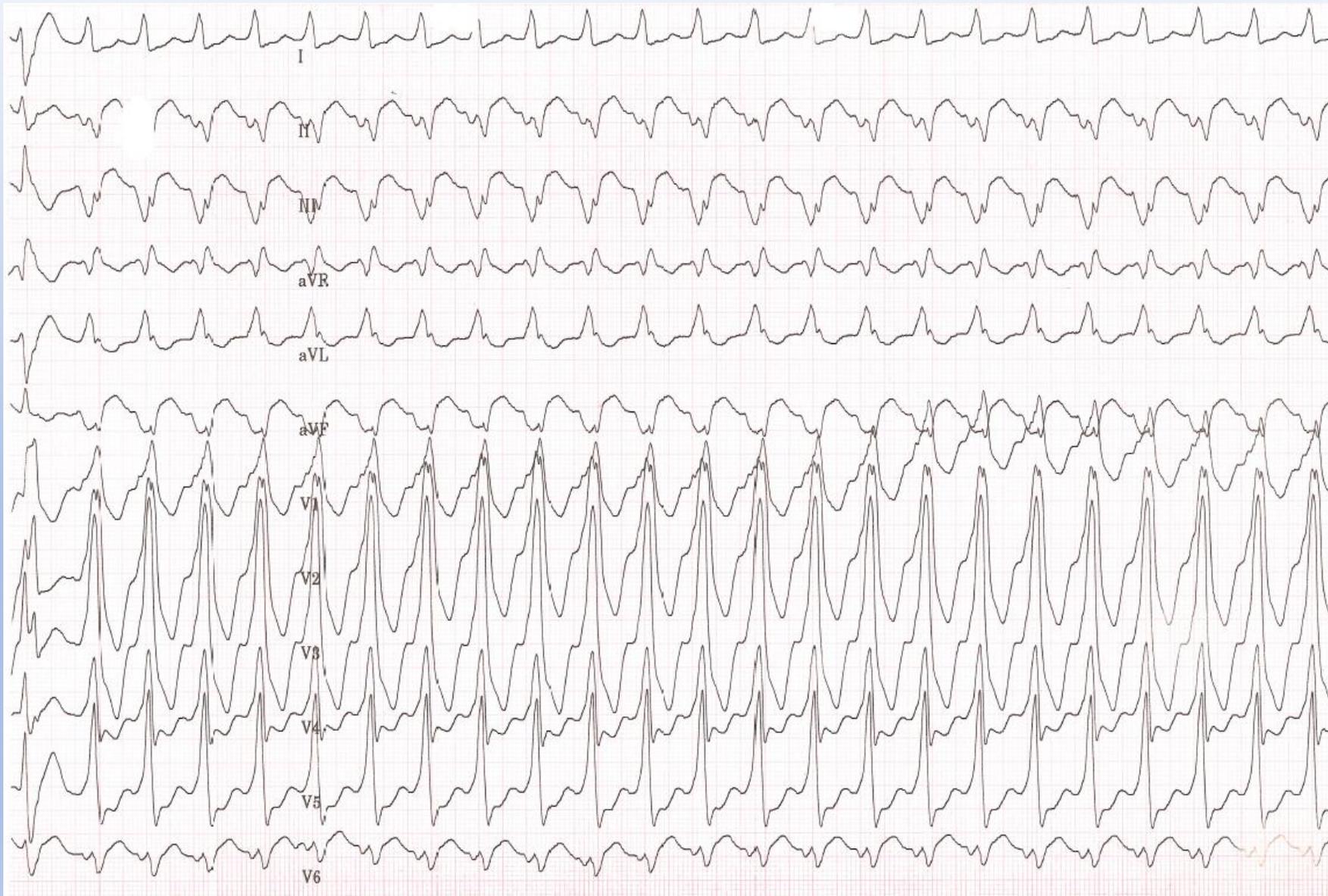


3 – SVT s preexcitací

4 – nevím

1 – KT

2 – SVT s aberací



3 – SVT s preexcitací

4 – nevím



