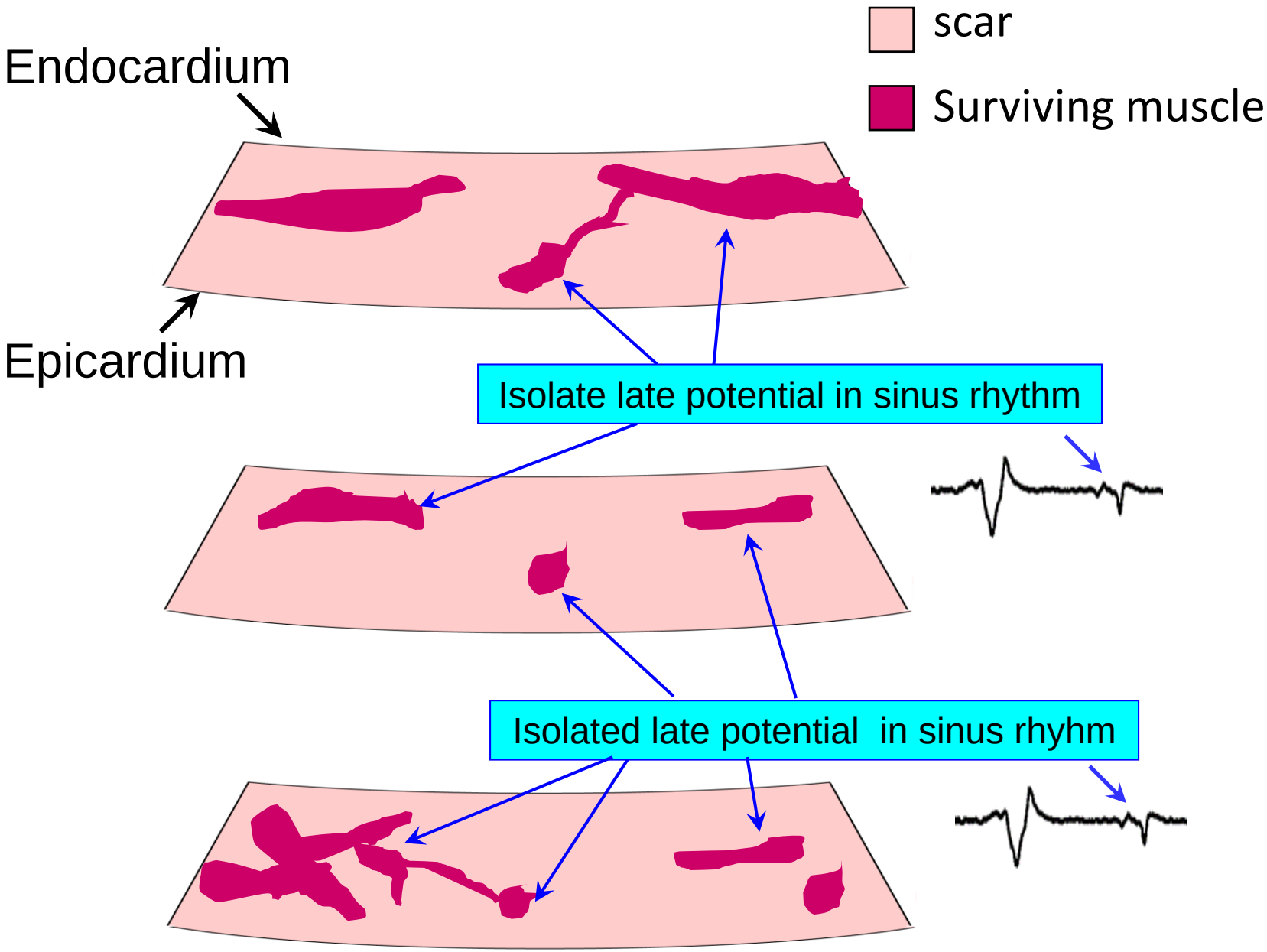

scar
Surviving muscle
Endocardium
Epicardium
Isolate late potential in sinus rhythm
Isolated late potential in sinus rhyhm

Figure 11.1A.

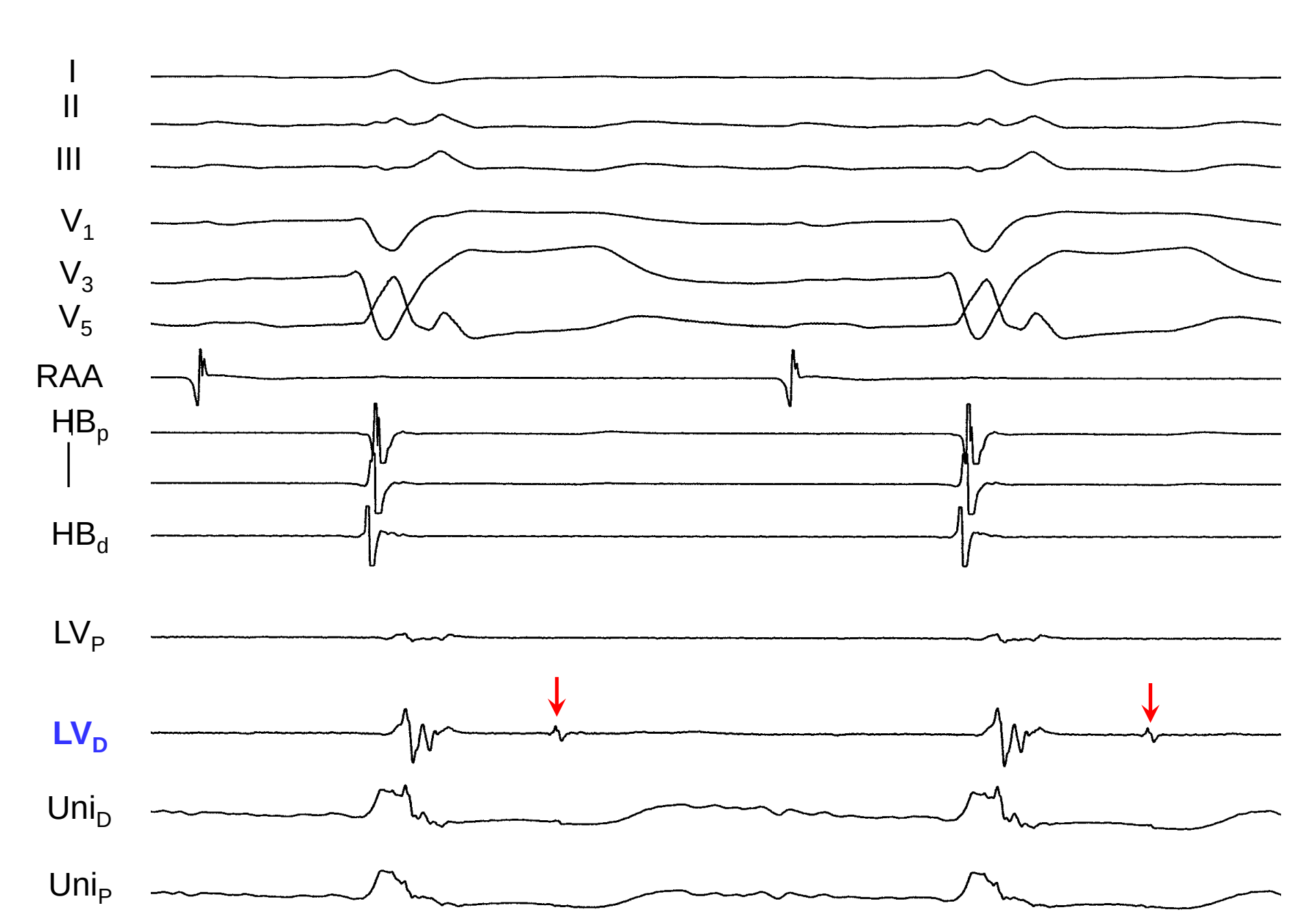


Figure 11.1B.

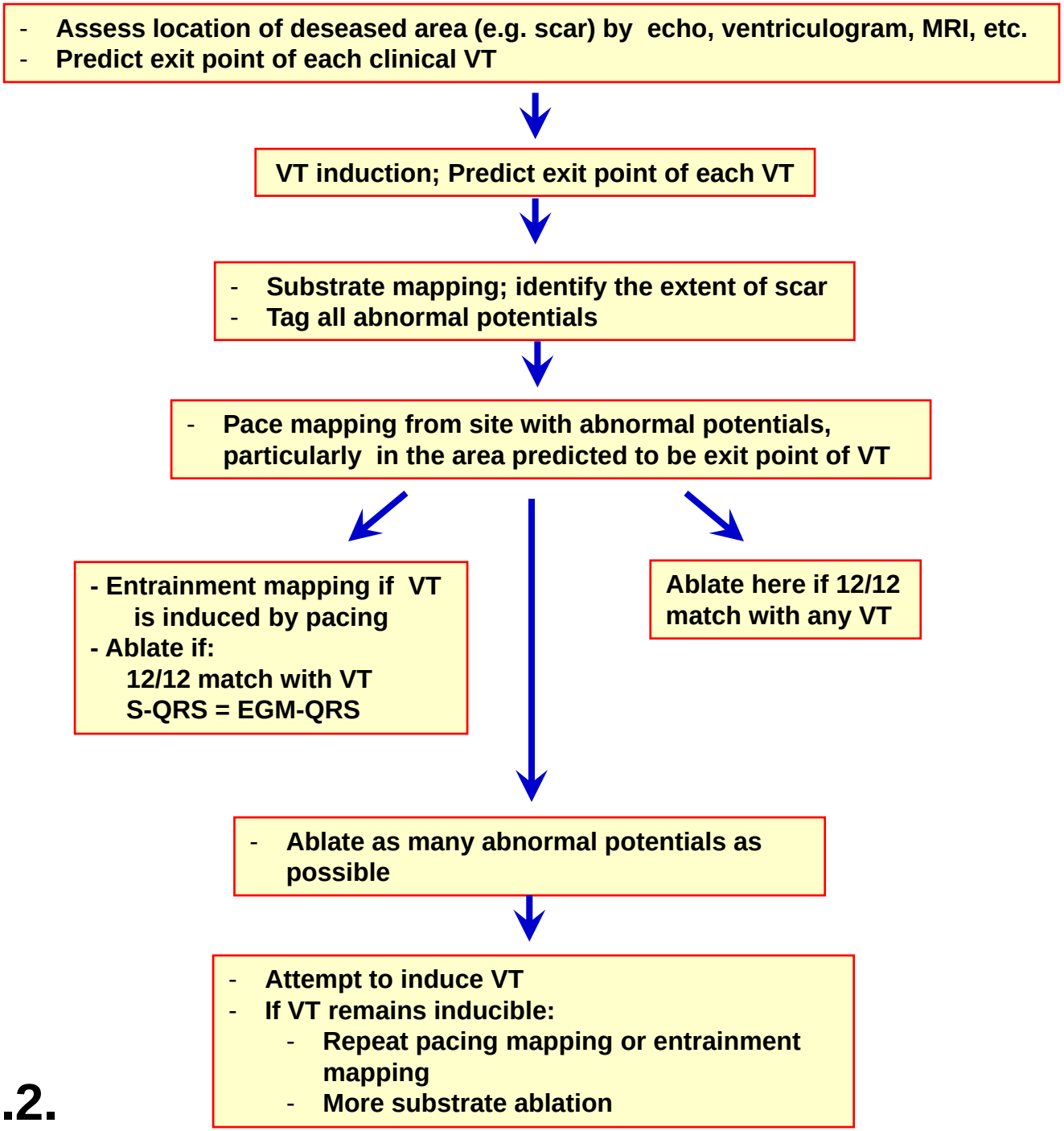

- Assess location of deseased area (e.g. scar) by echo, ventriculogram, MRI, etc.
- Predict exit point of each clinical VT
VT induction; Predict exit point of each VT
- Substrate mapping; identify the extent of scar
- Tag all abnormal potentials
- Pace mapping from site with abnormal potentials, particularly in the area predicted to be exit point of VT
- Entrainment mapping if VT is induced by pacing
- Ablate if:
12/12 match with VT
S-QRS = EGM-QRS
Ablate here if 12/12 match with any VT
- Ablate as many abnormal potentials as possible
- Attempt to induce VT
- If VT remains inducible:
- Repeat pacing mapping or entrainment mapping
- More substrate ablation

Figure 11.2.

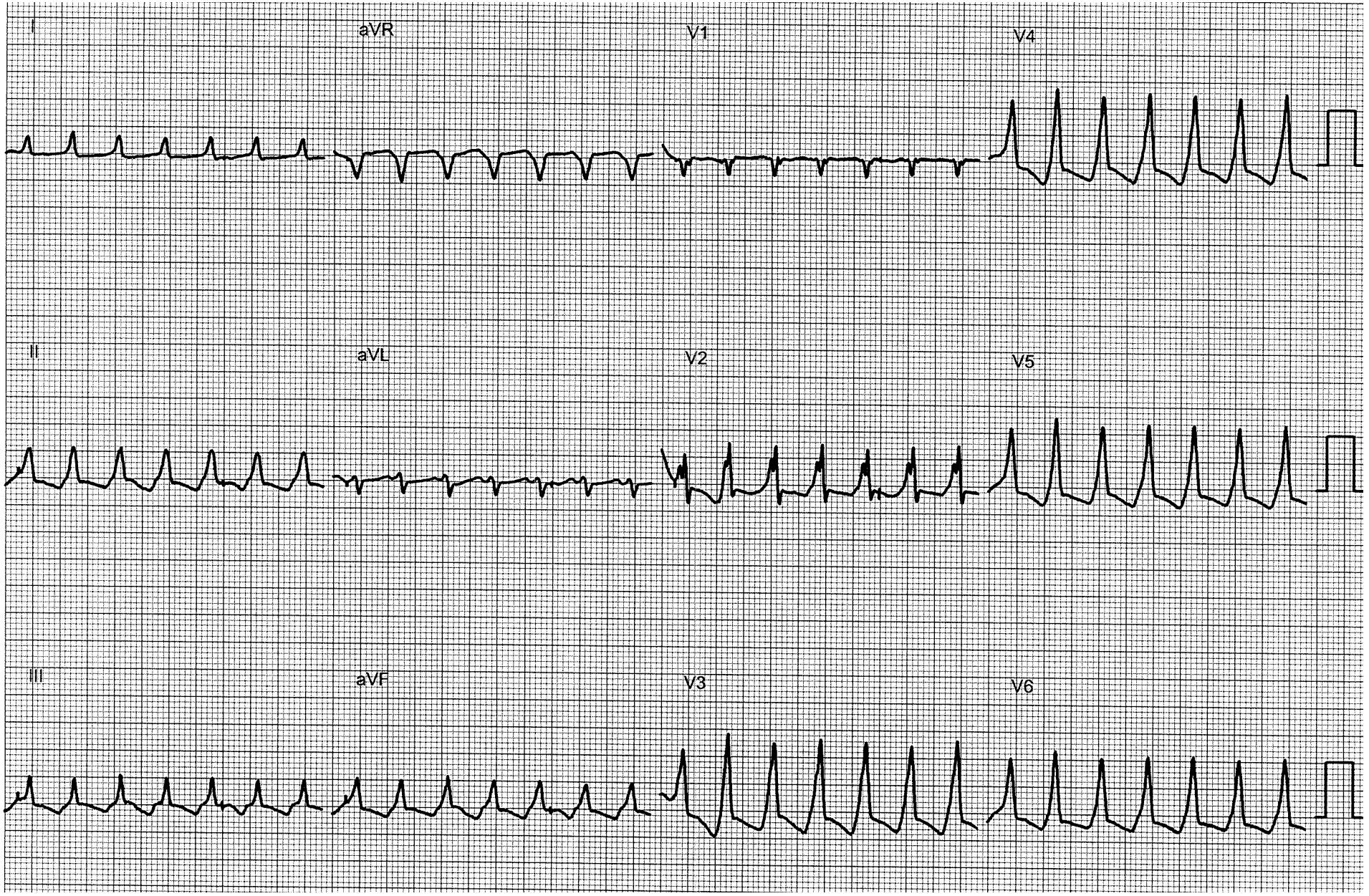


Figure 11.3A.

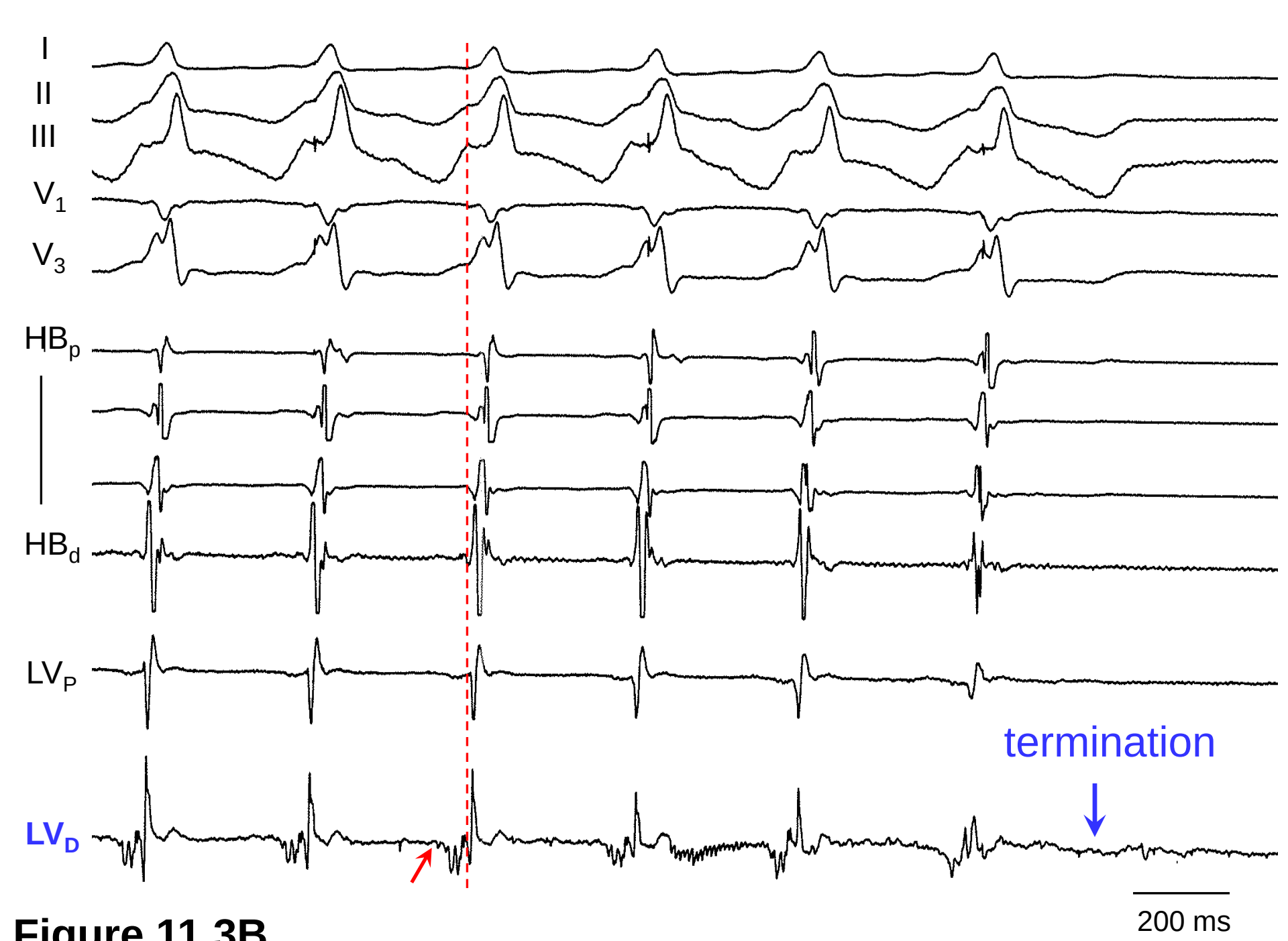


Figure 11.3B.

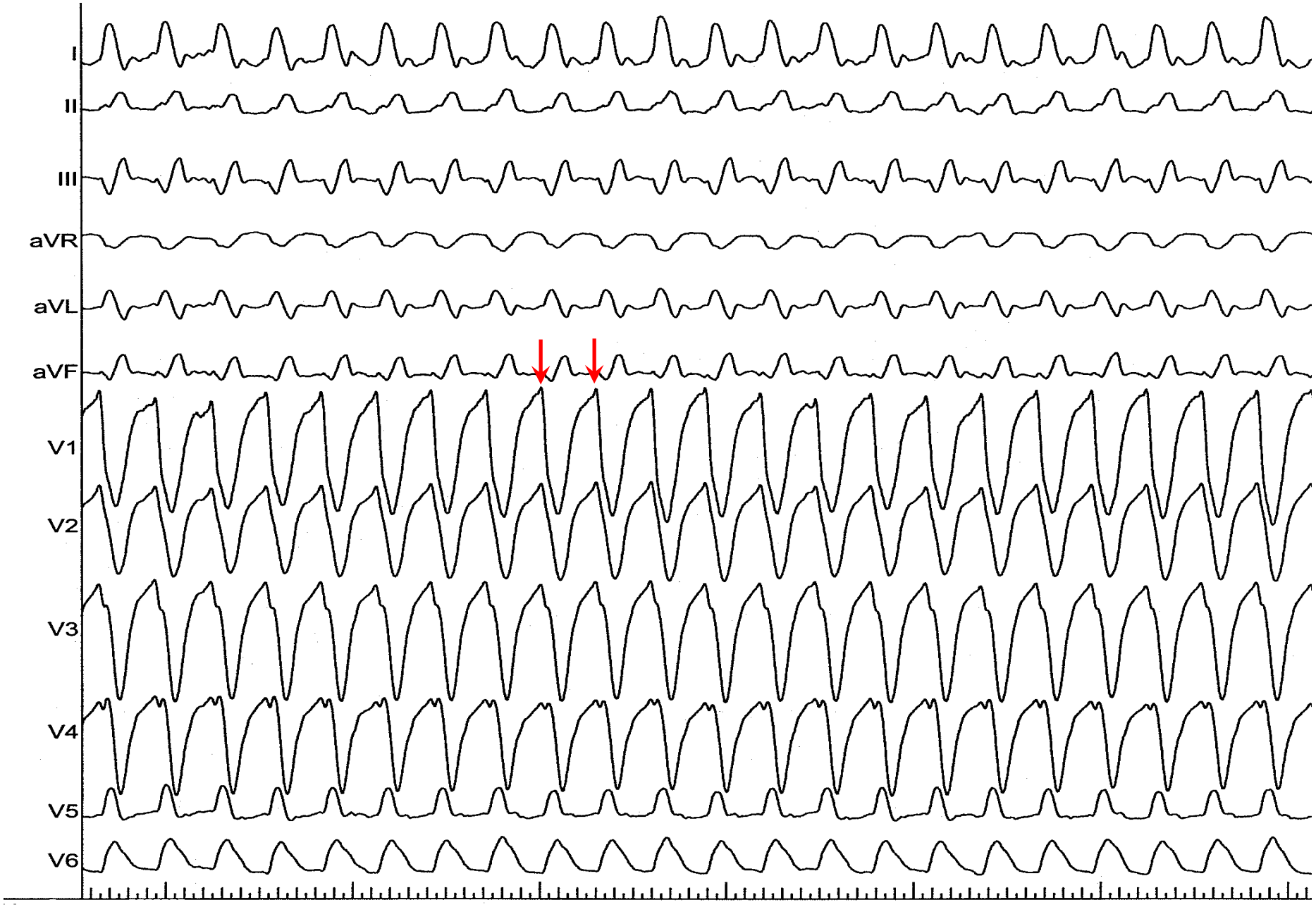


Figure 11.4A.

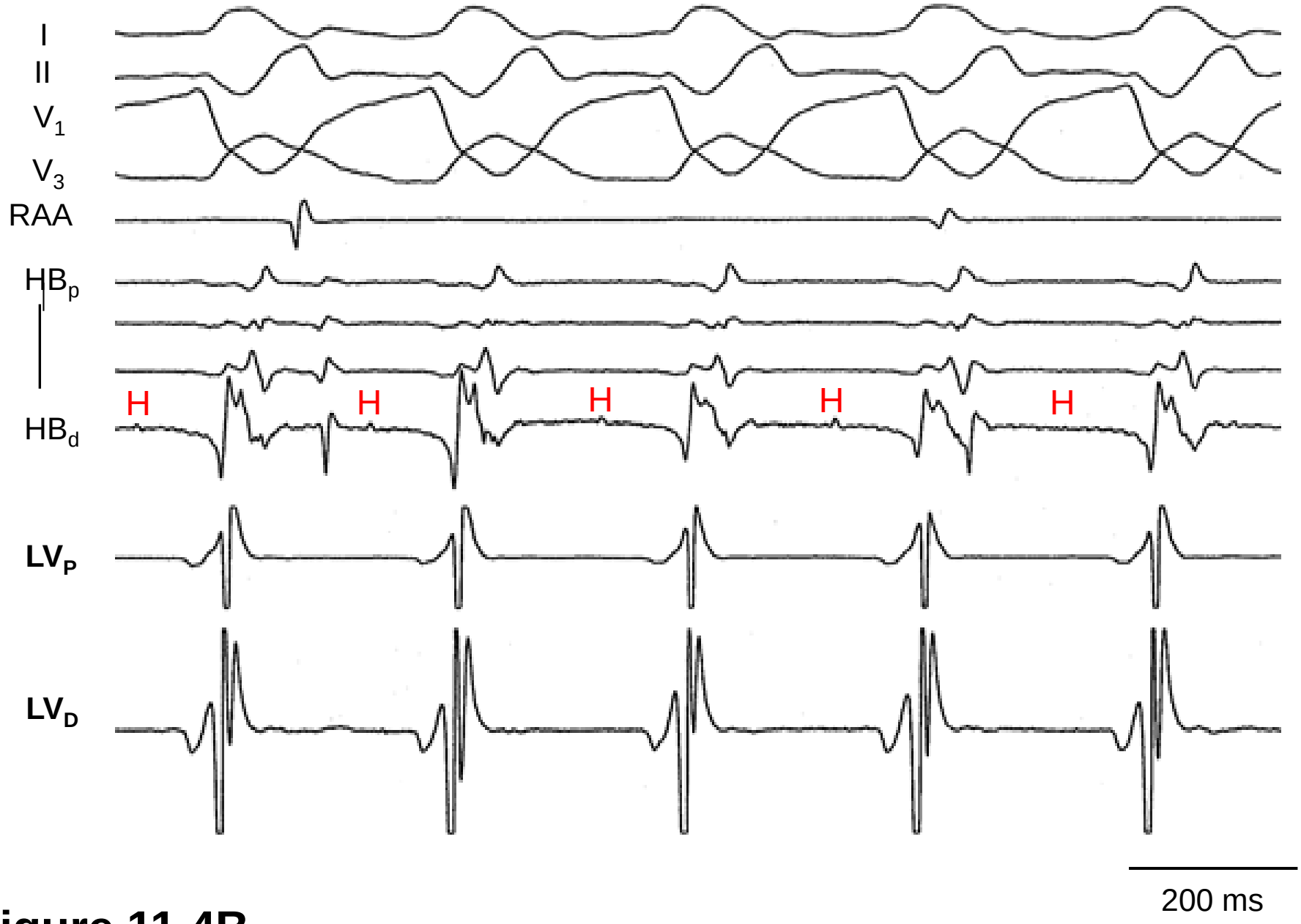


Figure 11.4B.

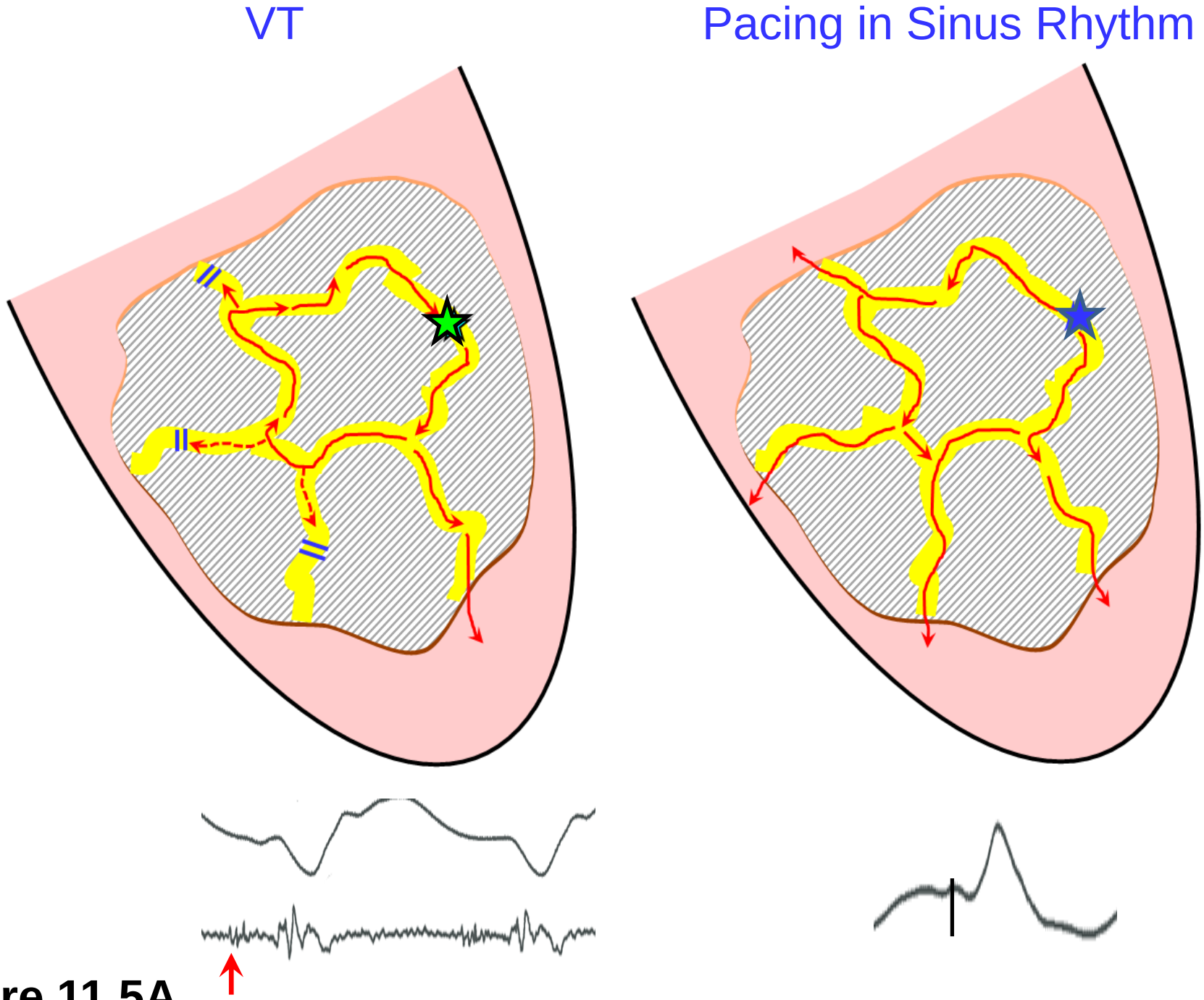


Figure 11.5A.

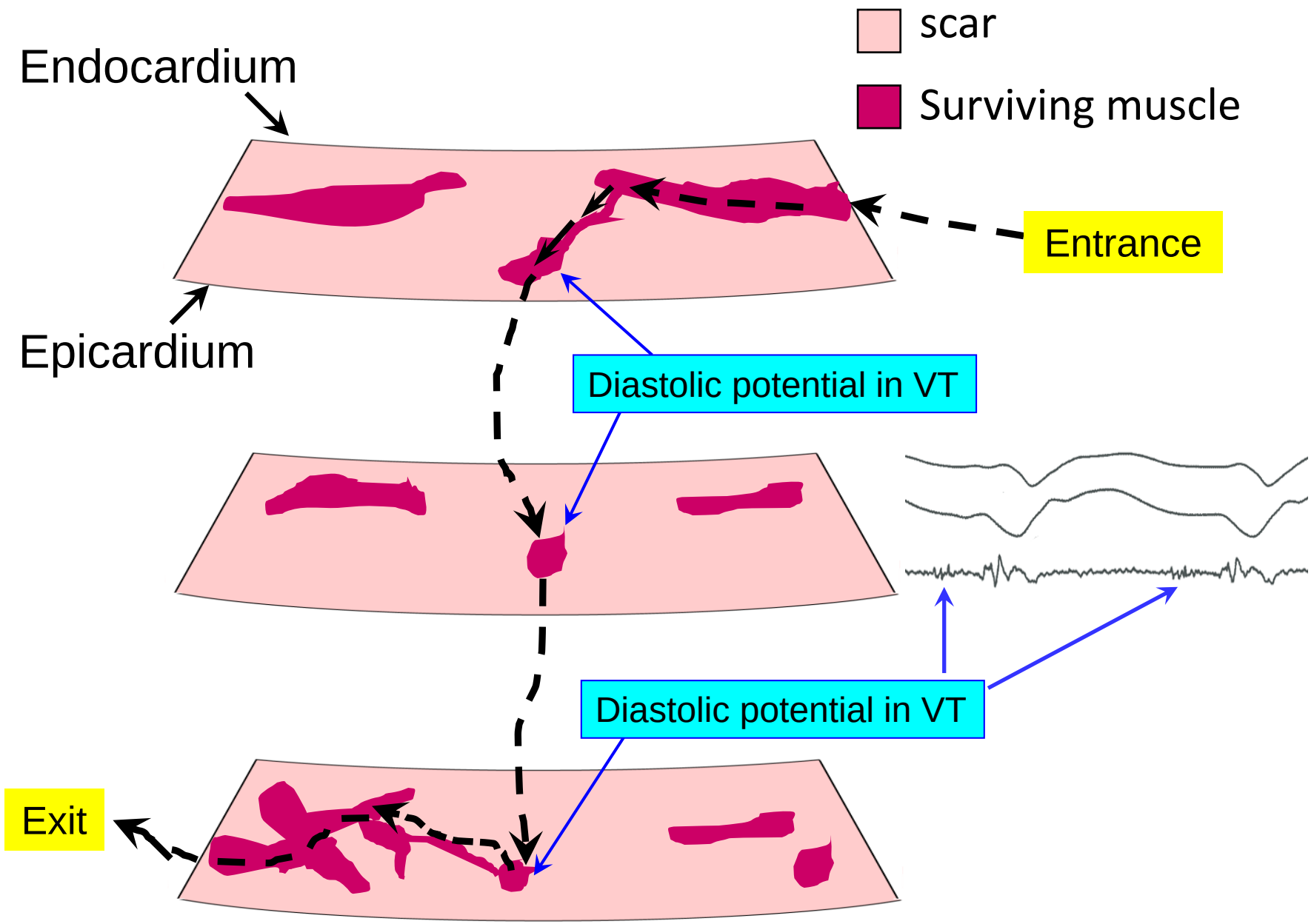

scar
Surviving muscle
Endocardium
Epicardium
Entrance
Diastolic potential in VT
Diastolic potential in VT
Exit

Figure 11.5B.

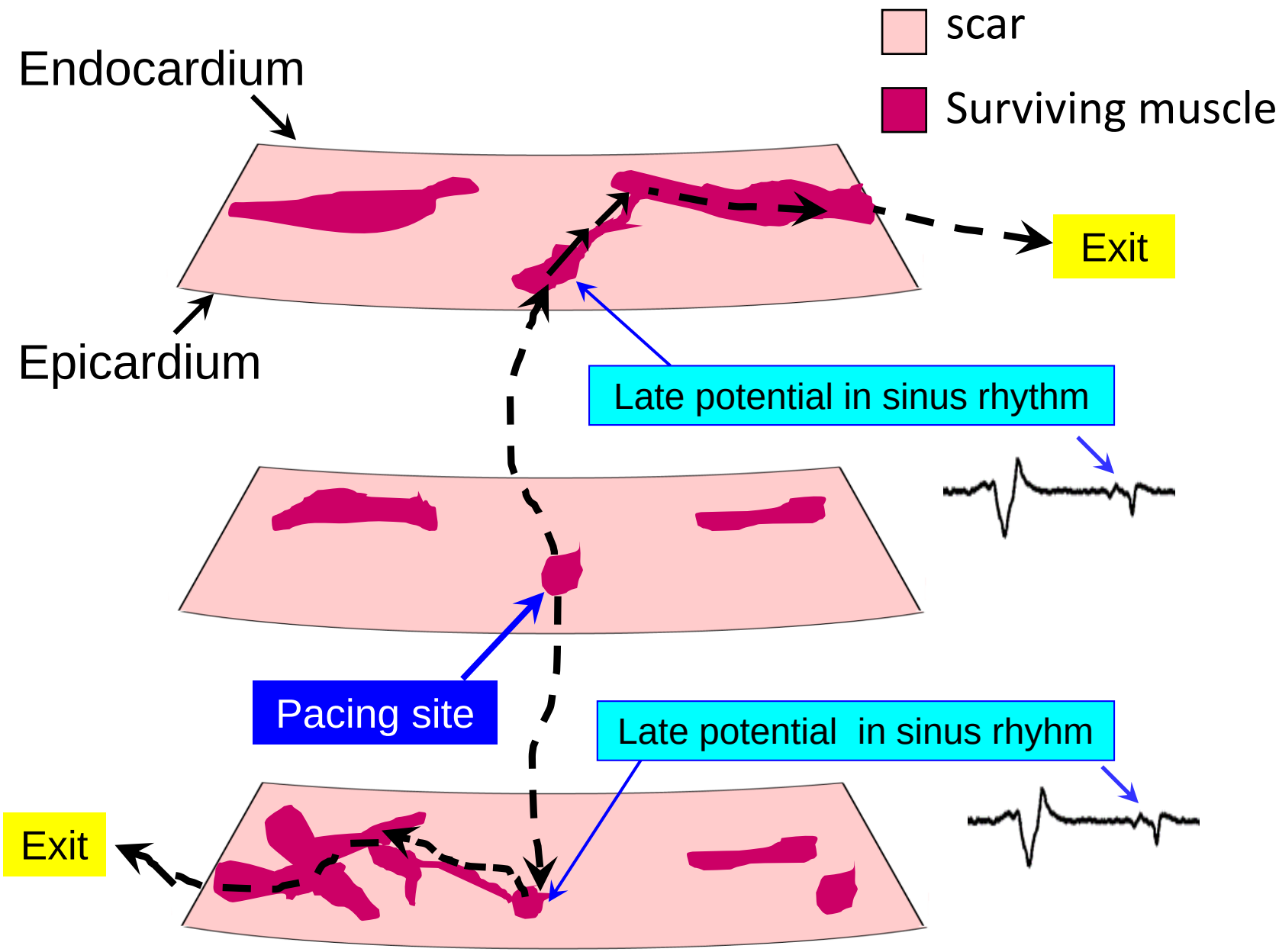

scar
Surviving muscle
Endocardium
Epicardium
Exit
Late potential in sinus rhythm
Pacing site
Late potential in sinus rhyhm
Exit

Figure 11.5C.

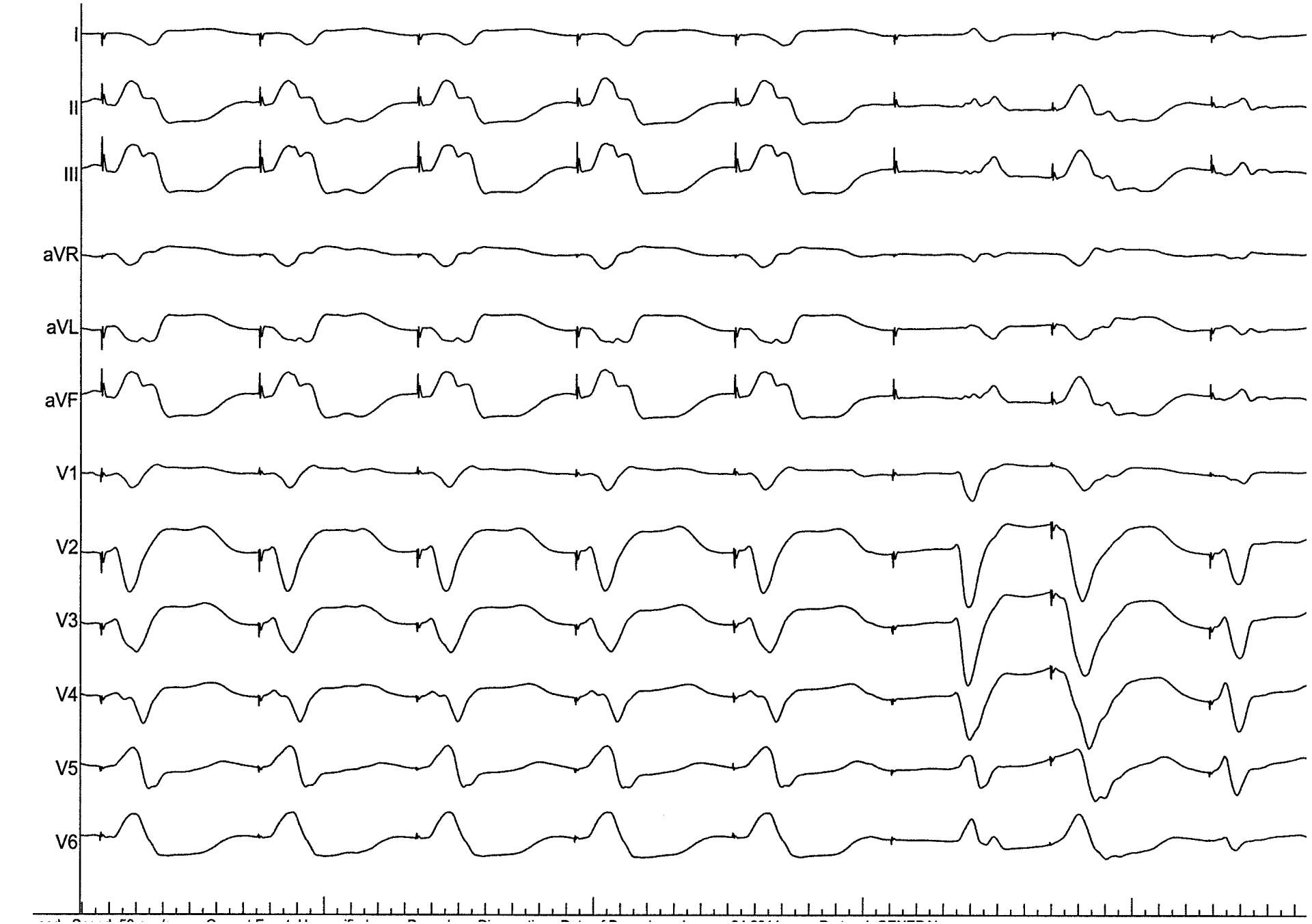


Figure 11.5D.

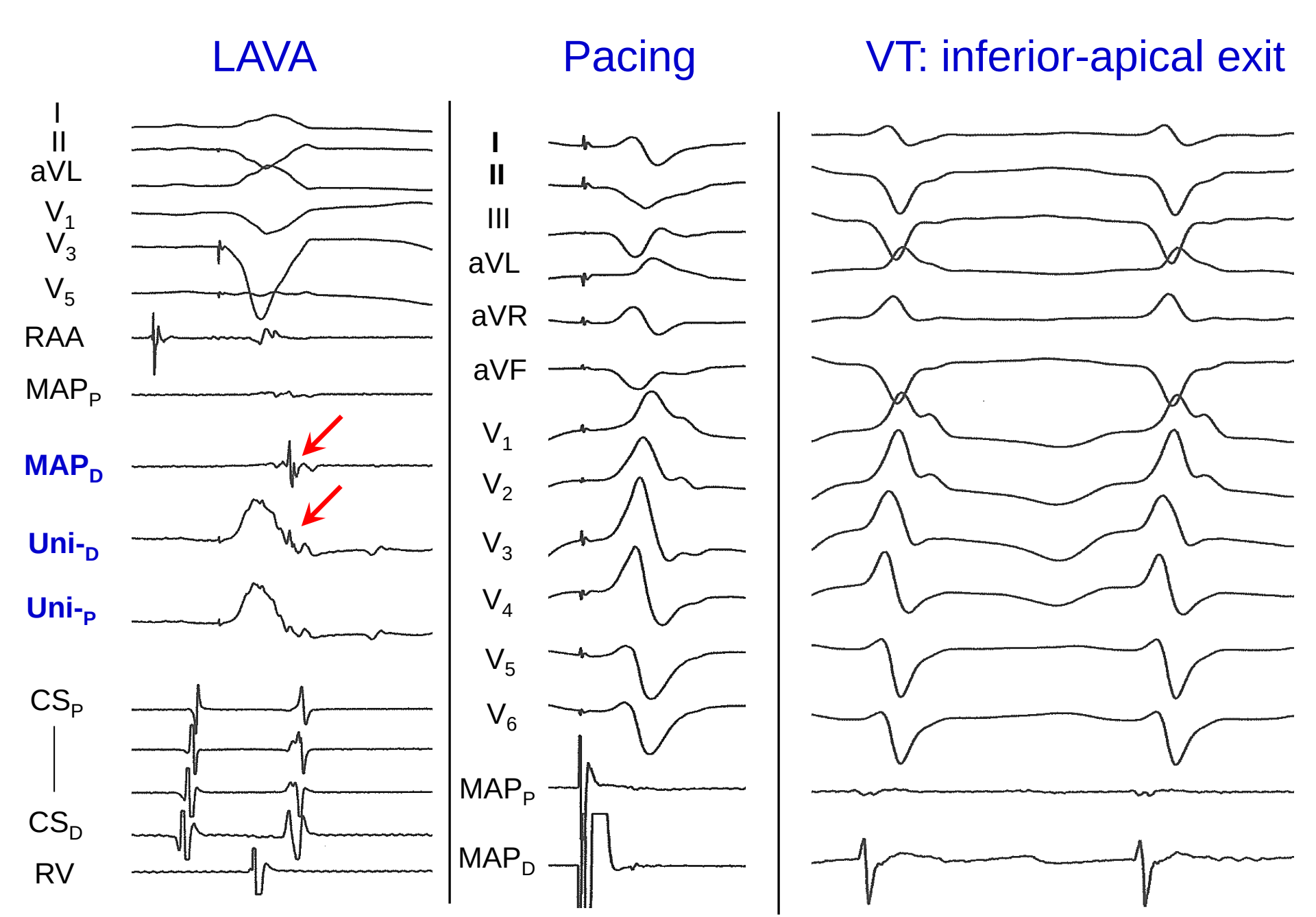

LAVA
Pacing
VT: inferior-apical exit
I
II
aVL
V1
V3
V5
RAA
MAPP
MAPD
Uni-D
Uni-P
CSP
CSD
RV
I
II
III
aVL
aVR
aVF
V1
V2
V3
V4
V5
V6
MAPP
MAPD

Figure 11.6A.

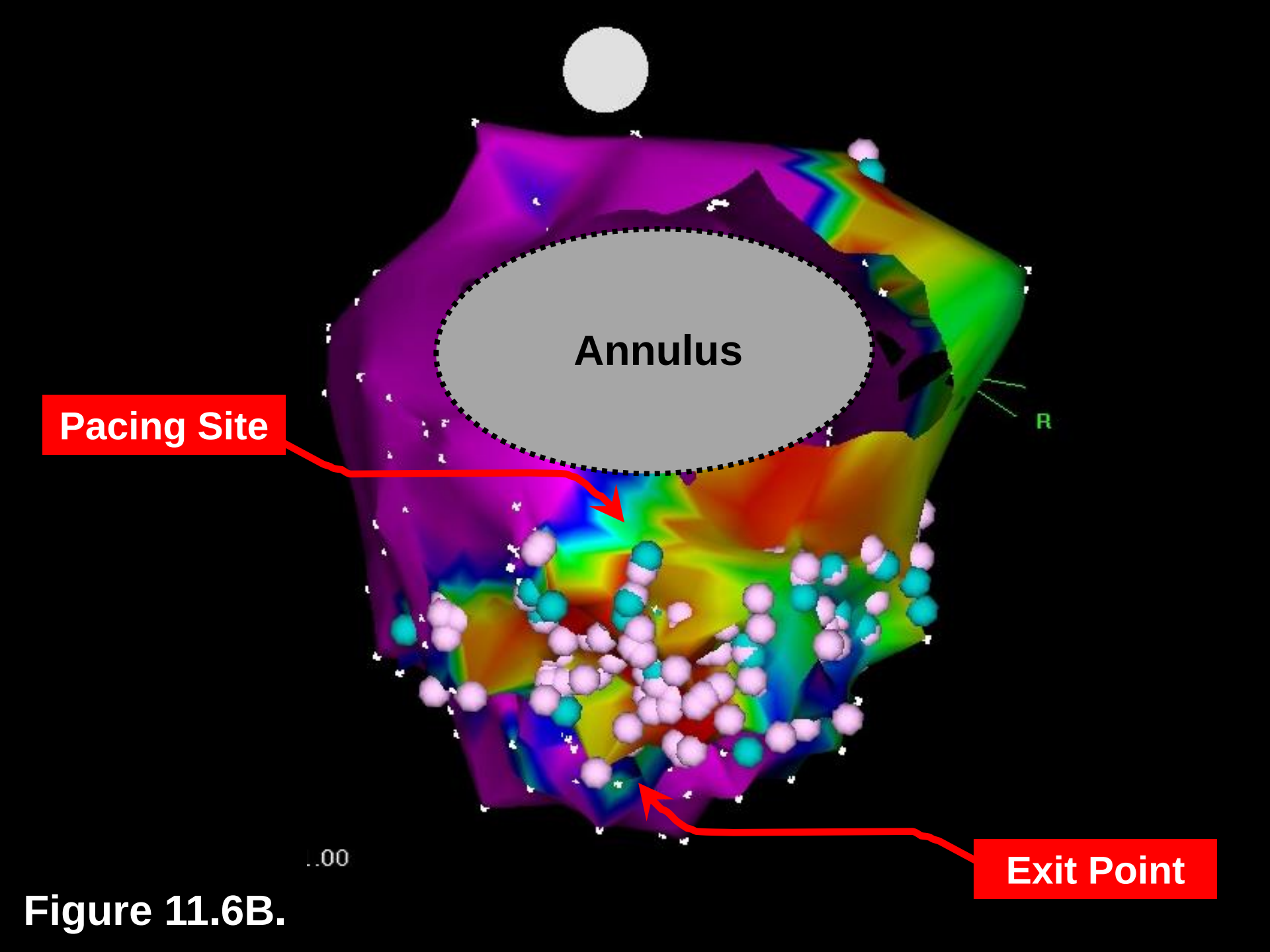


Figure 11.6B.

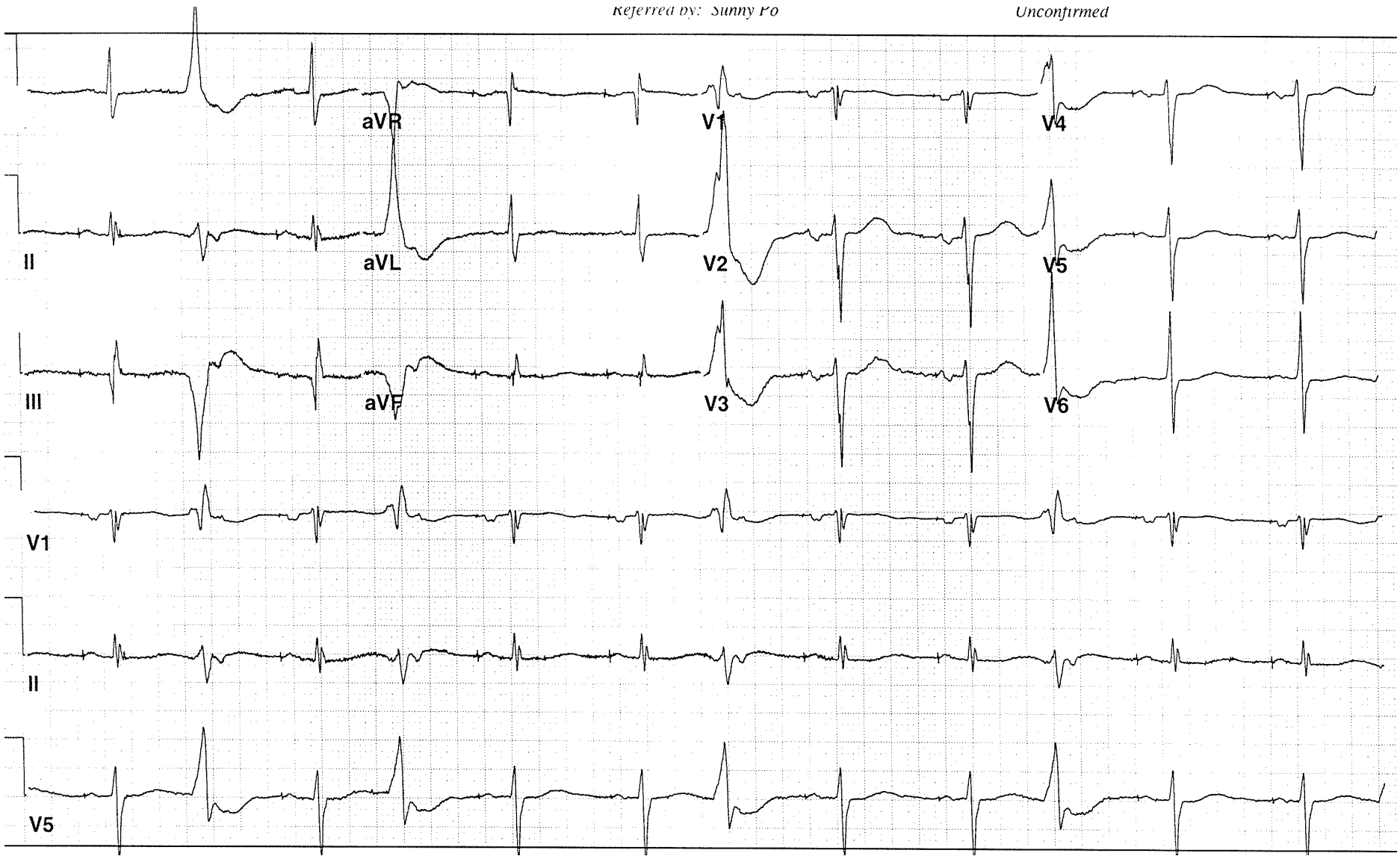
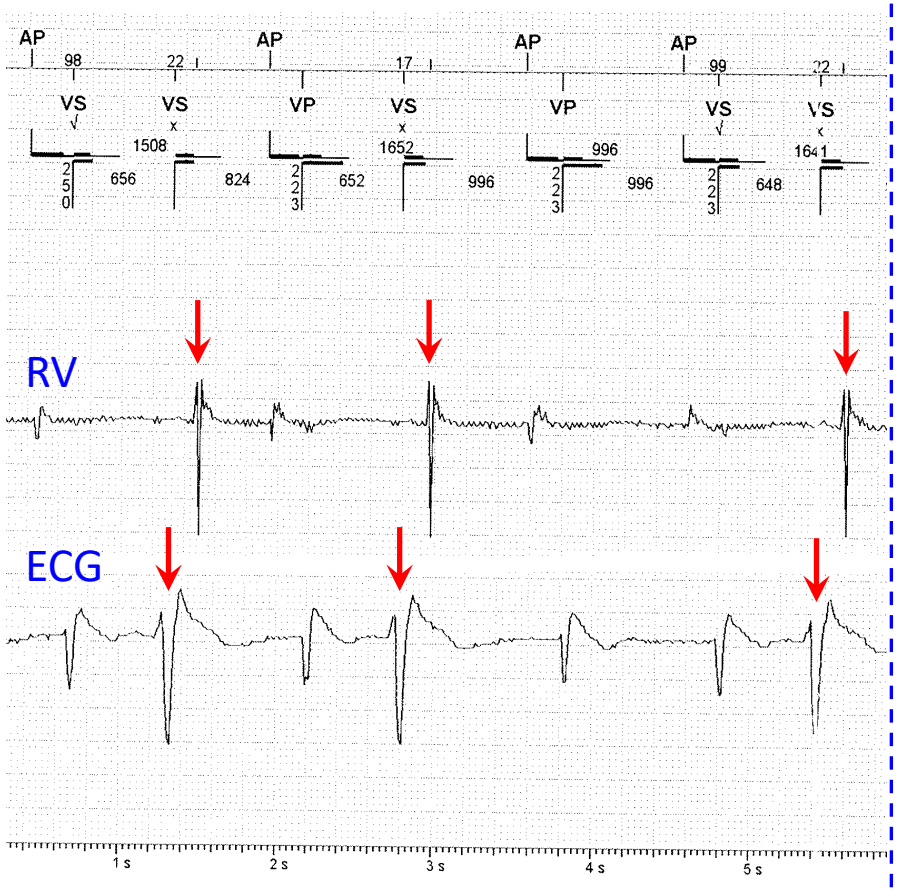

Referred By: Sunny Po
Unconfirmed
aVR
V1
V4
II
aVL
V2
V5
III
aVF
V3
V6
V1
II
V5

Figure 11.6C

Bigeminy in EP Lab



Clinical Nonsustained VT

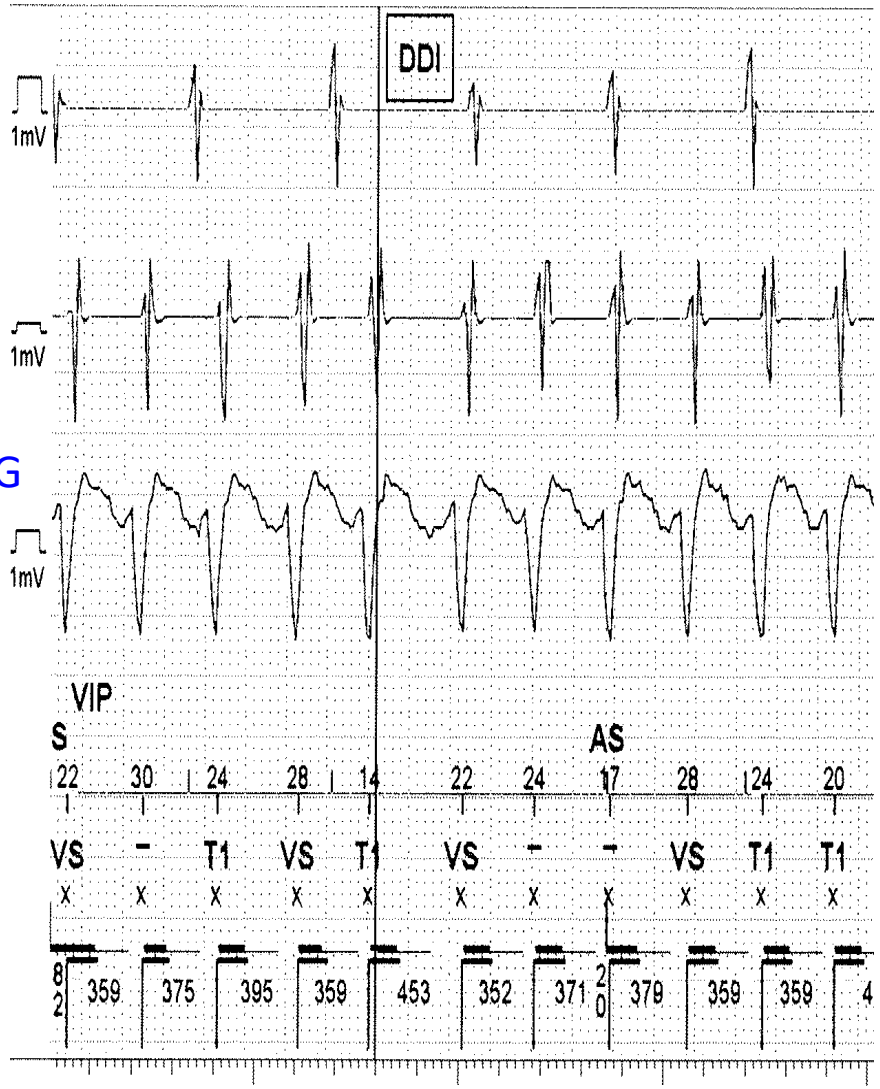


Figure 11.6D

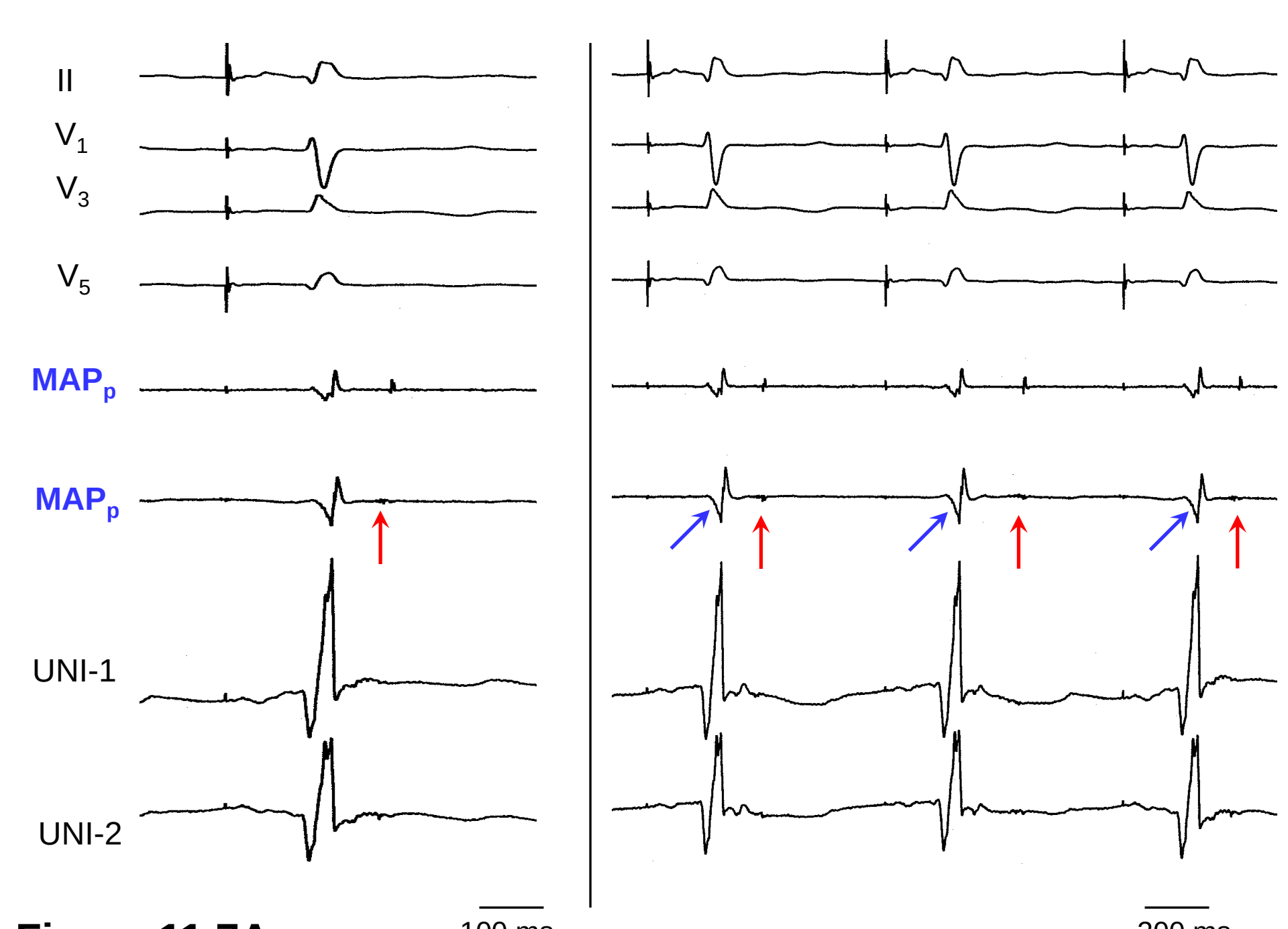


Figure 11.7A.

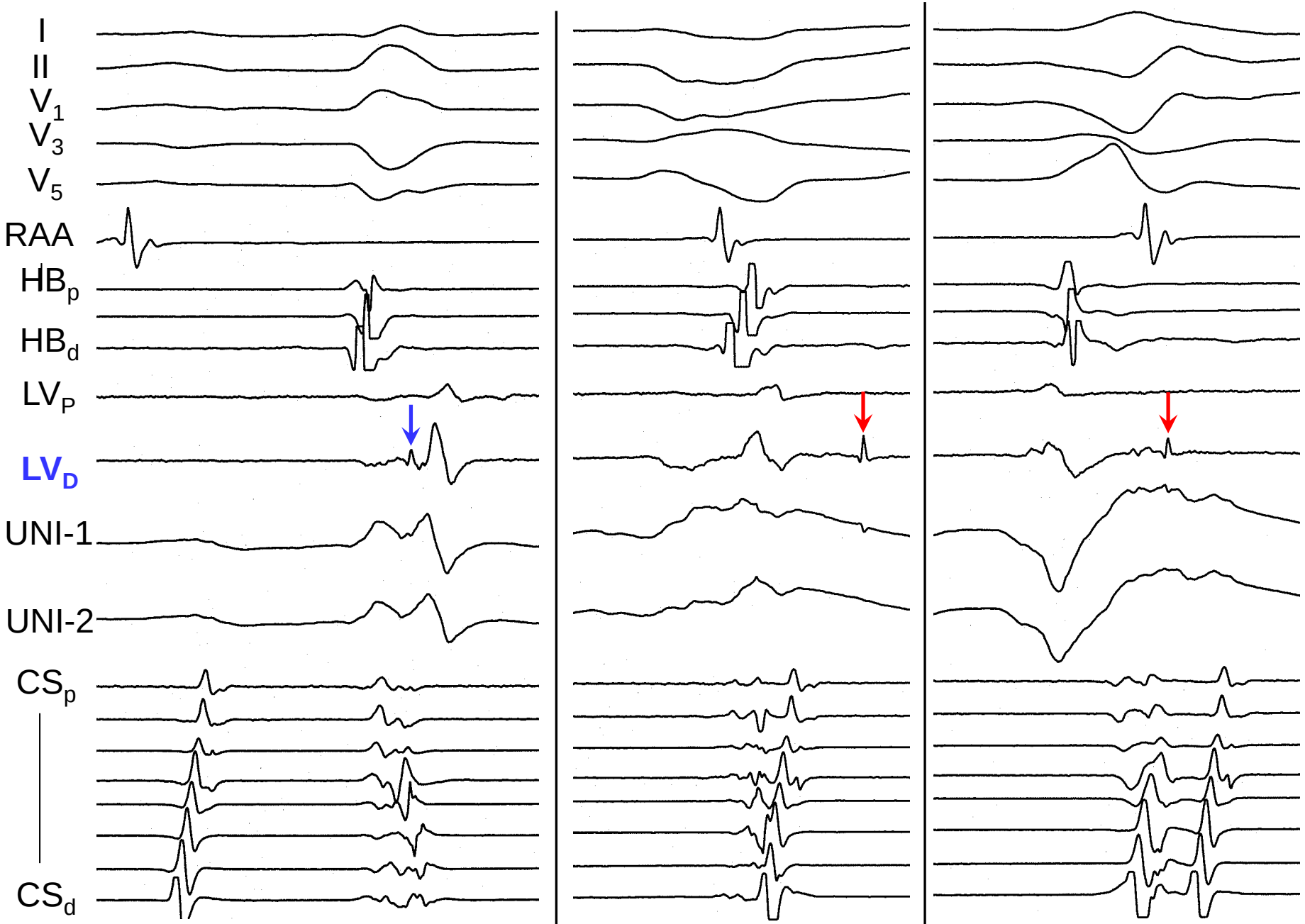


Figure 11.7B.

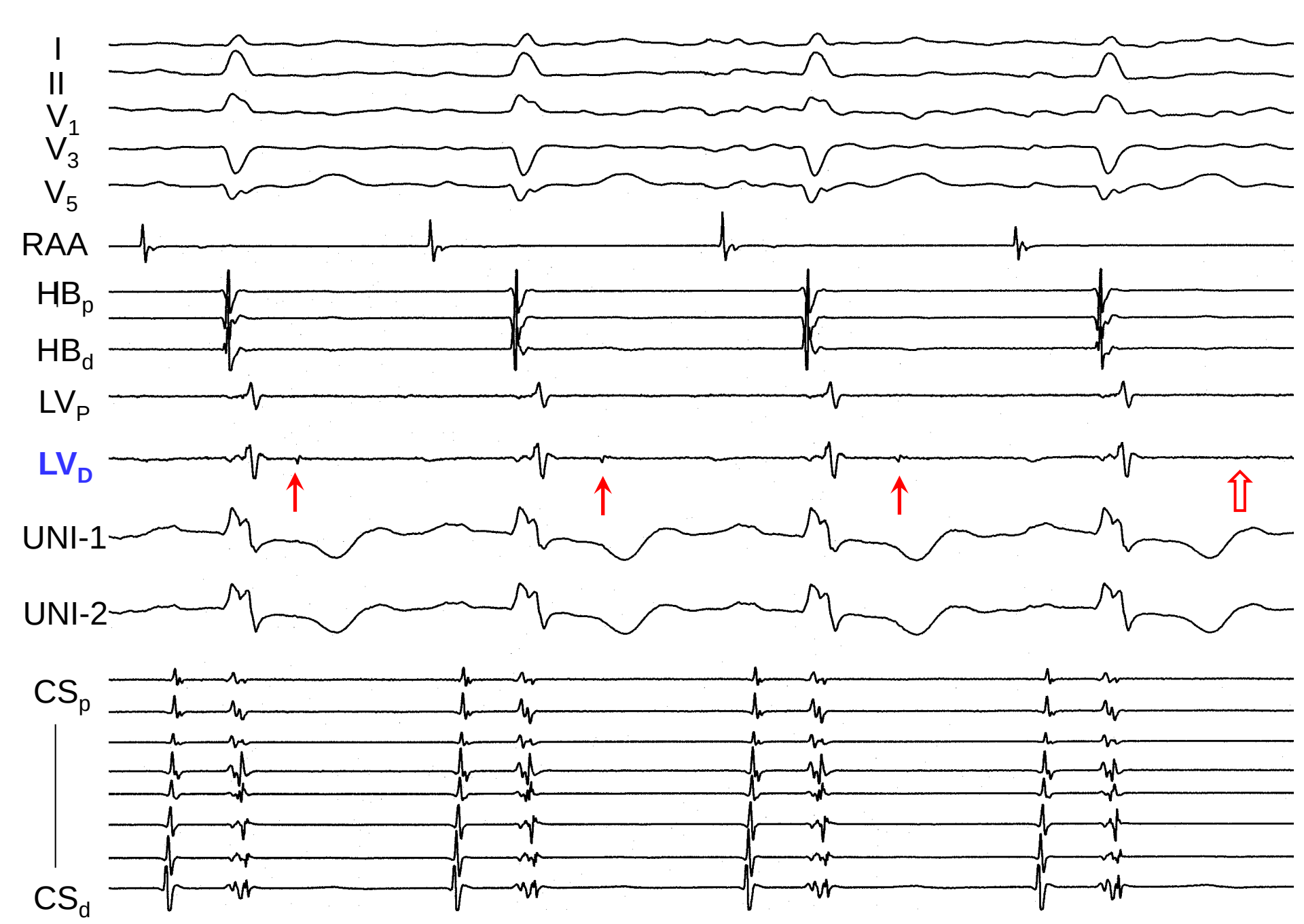


Figure 11.7C.

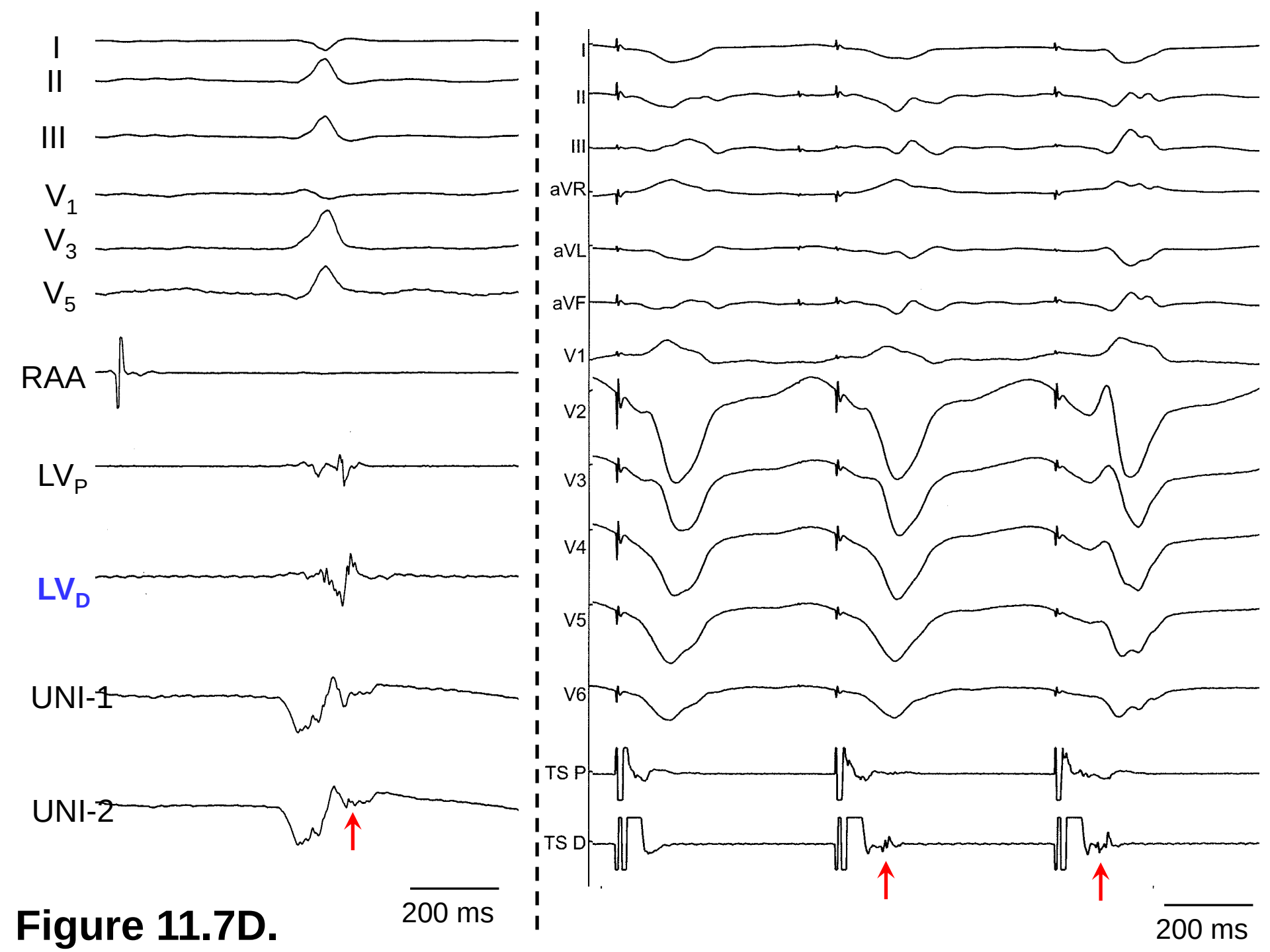

I
II
III
V1
V3
V5
RAA
LVP
LVD
UNI-1
UNI-2
200 ms
I
II
III
aVR
aVL
aVF
V1
V2
V3
V4
V5
V6
TS P
TS D
200 ms

Figure 11.7D.

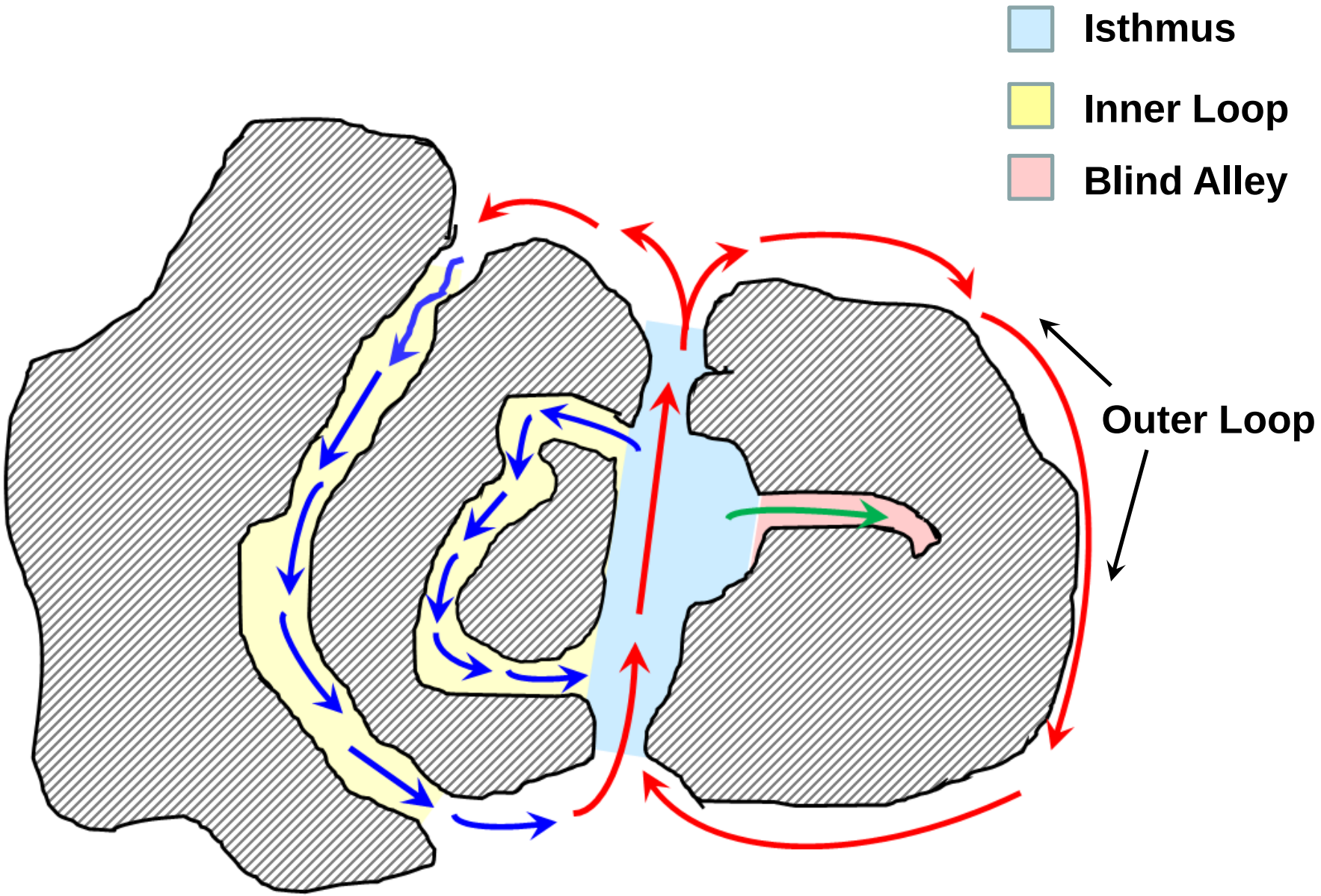


Figure 11.8A.

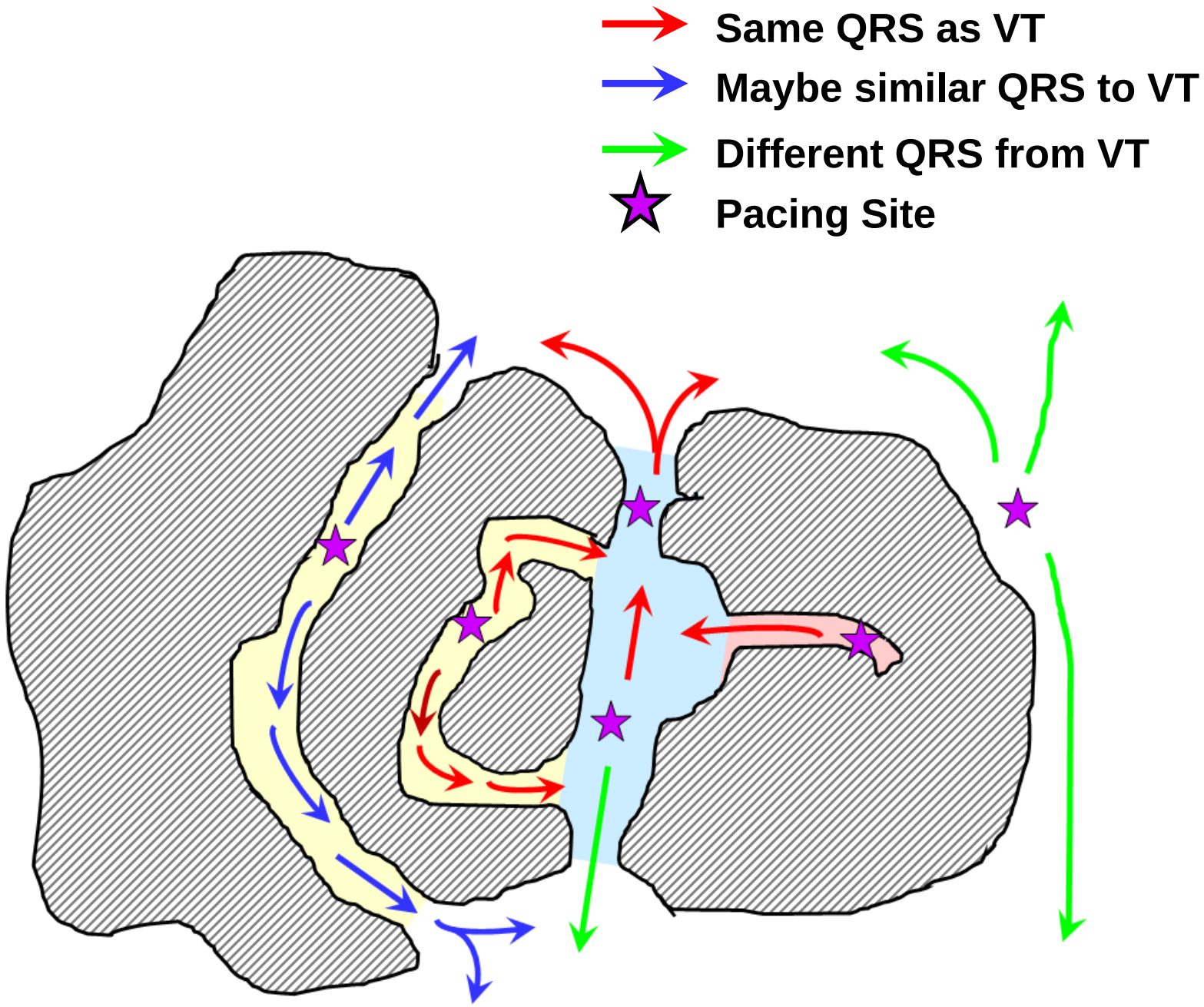

Same QRS as VT
Maybe similar QRS to VT
Different QRS from VT
Pacing Site

Figure 11.8B.

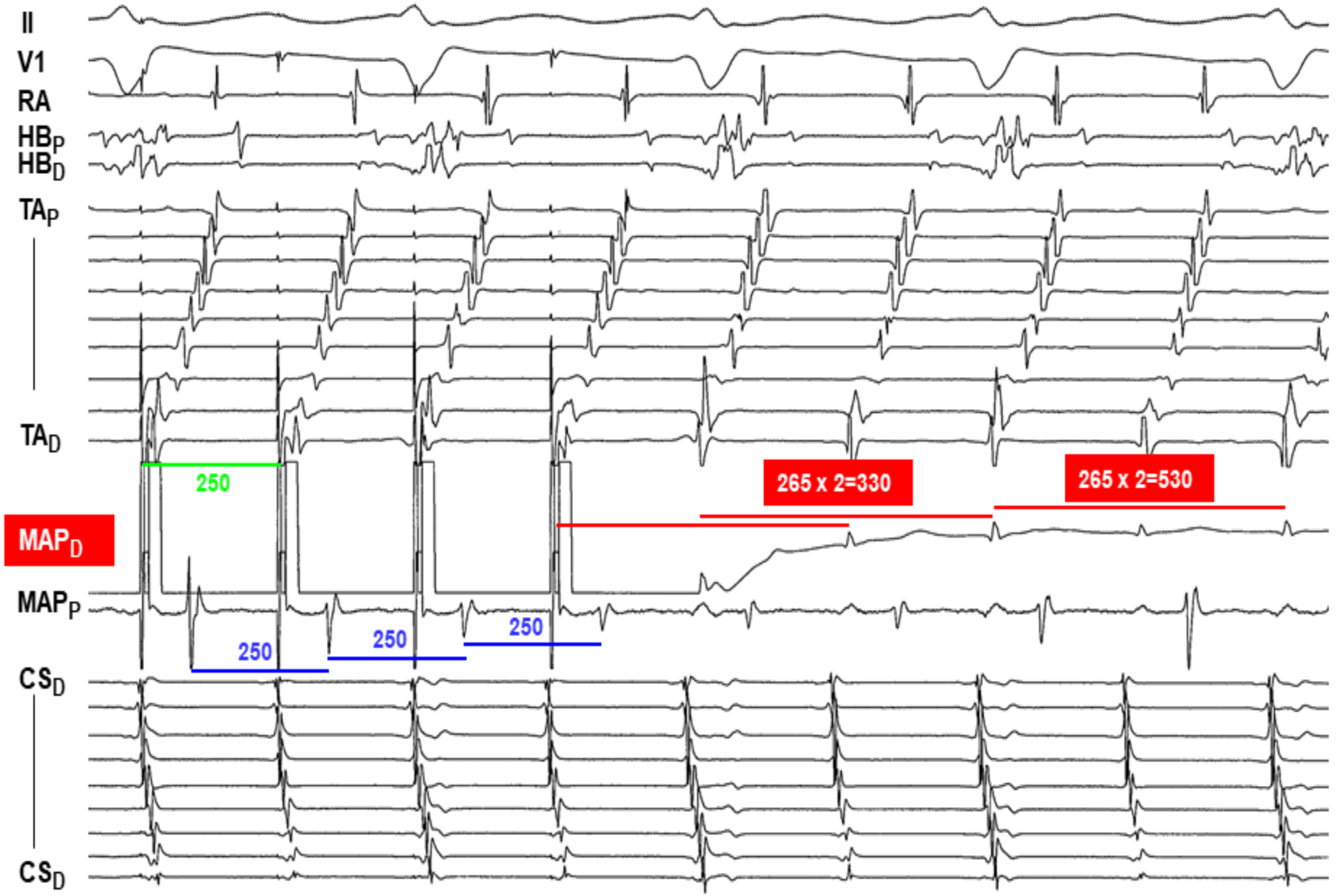

II
V1
RA
HBP
HBD
TAP
TAD
250
MAPD
MAPP
250
250
250
265 x 2=330
265 x 2=530
CSD
CSD

Figure 11.9A.

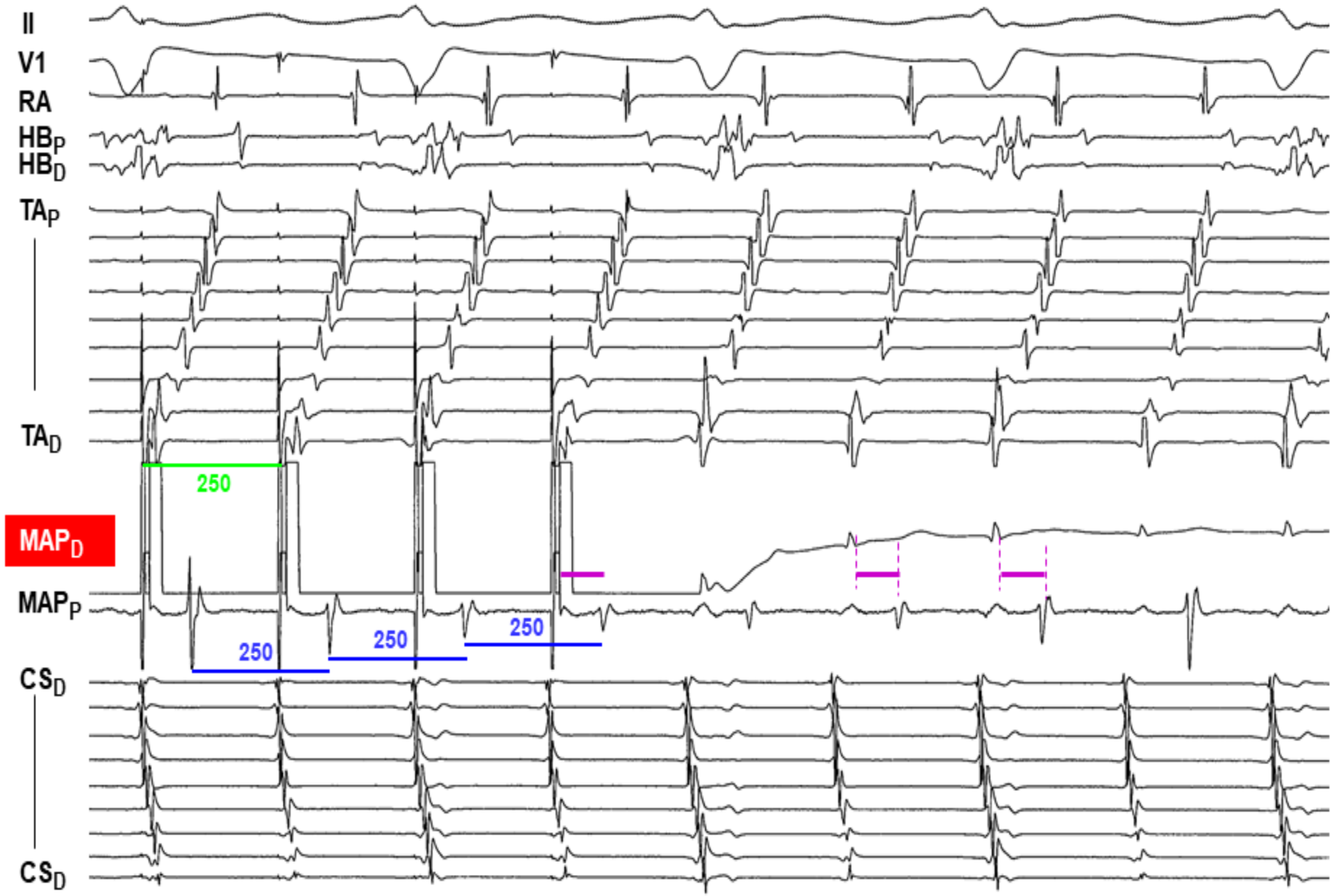


Figure 11.9B.

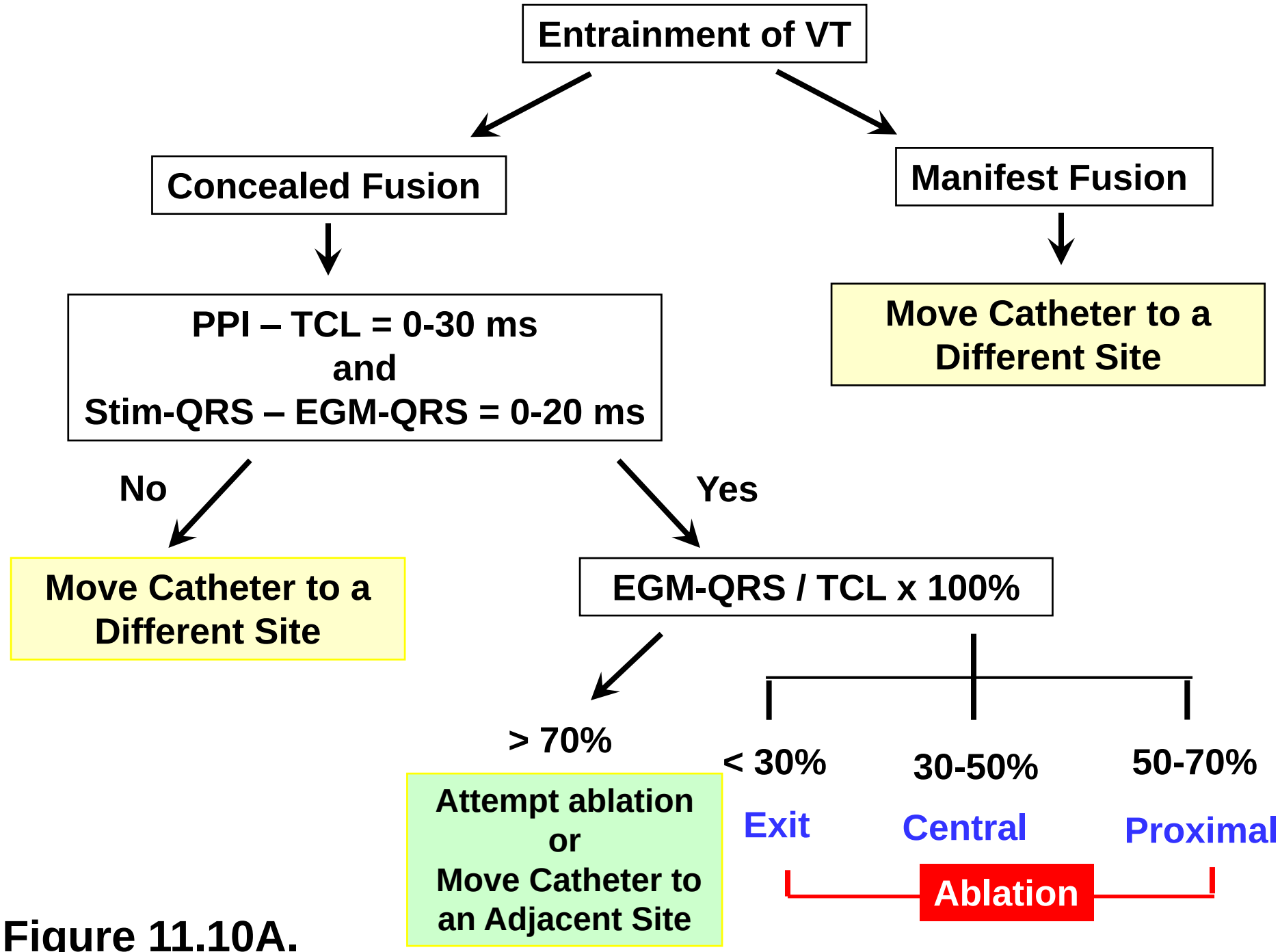


Figure 11.10A.

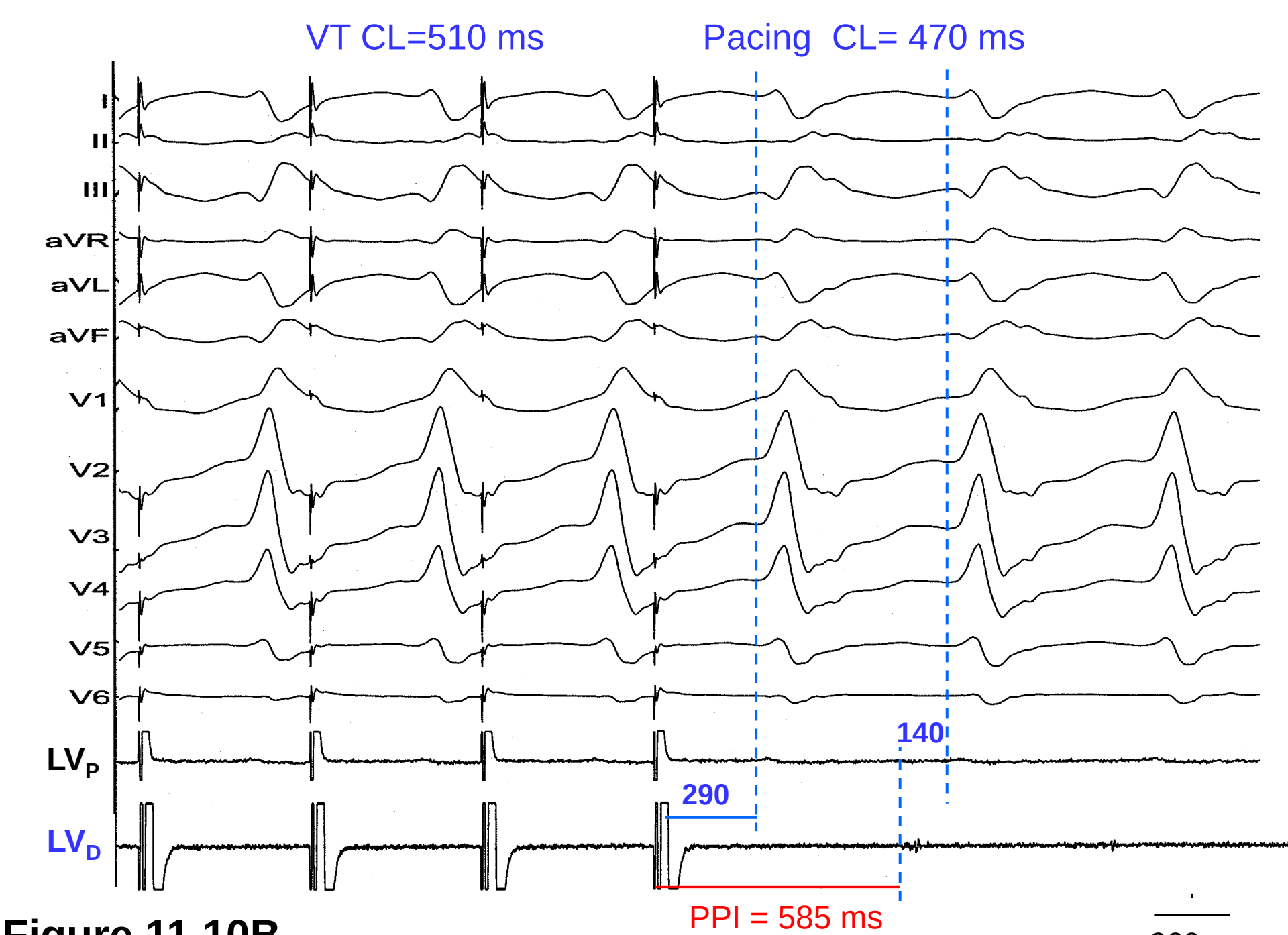


Figure 11.10B.

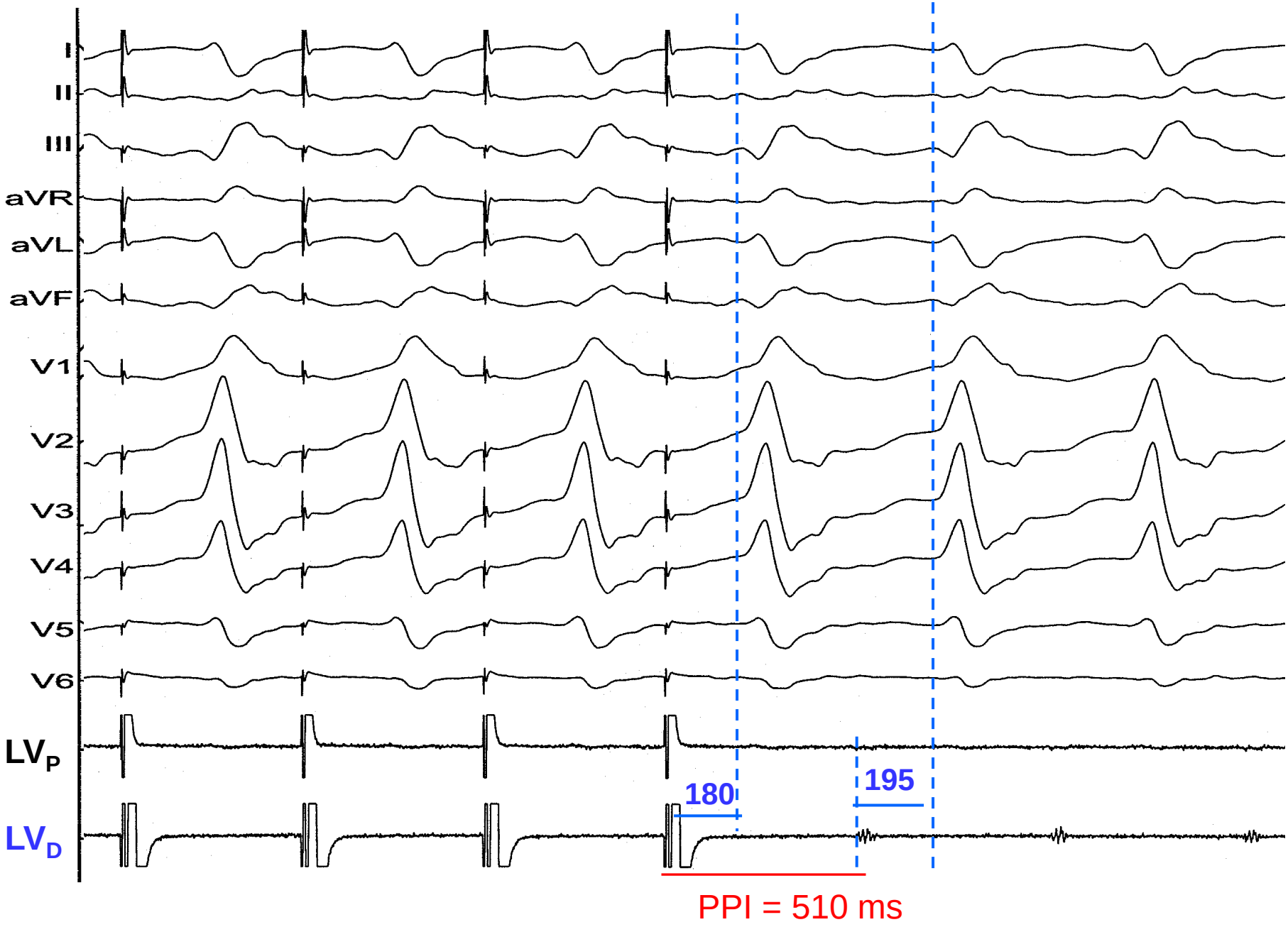


Figure 11.10C.

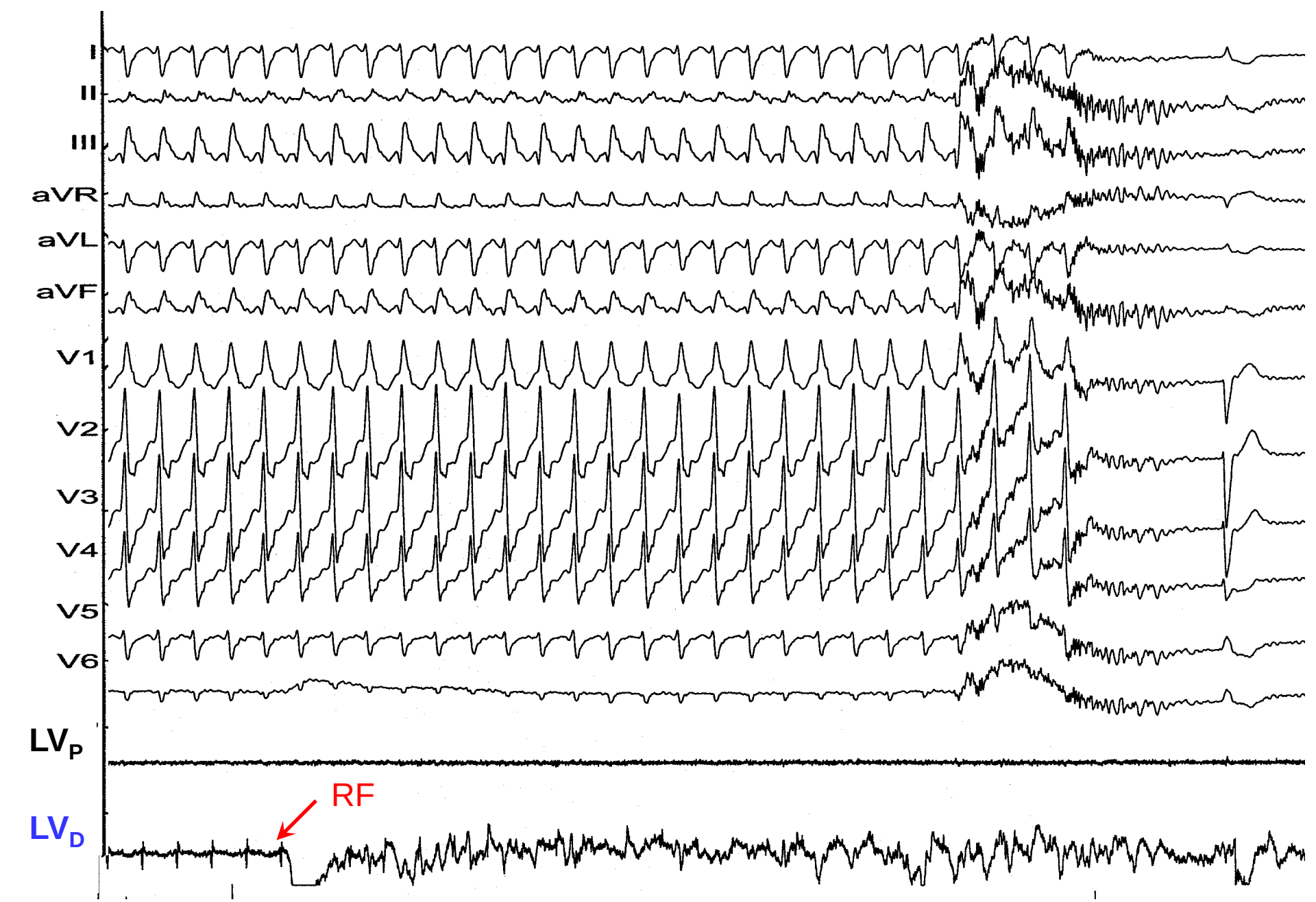


Figure 11.10D.

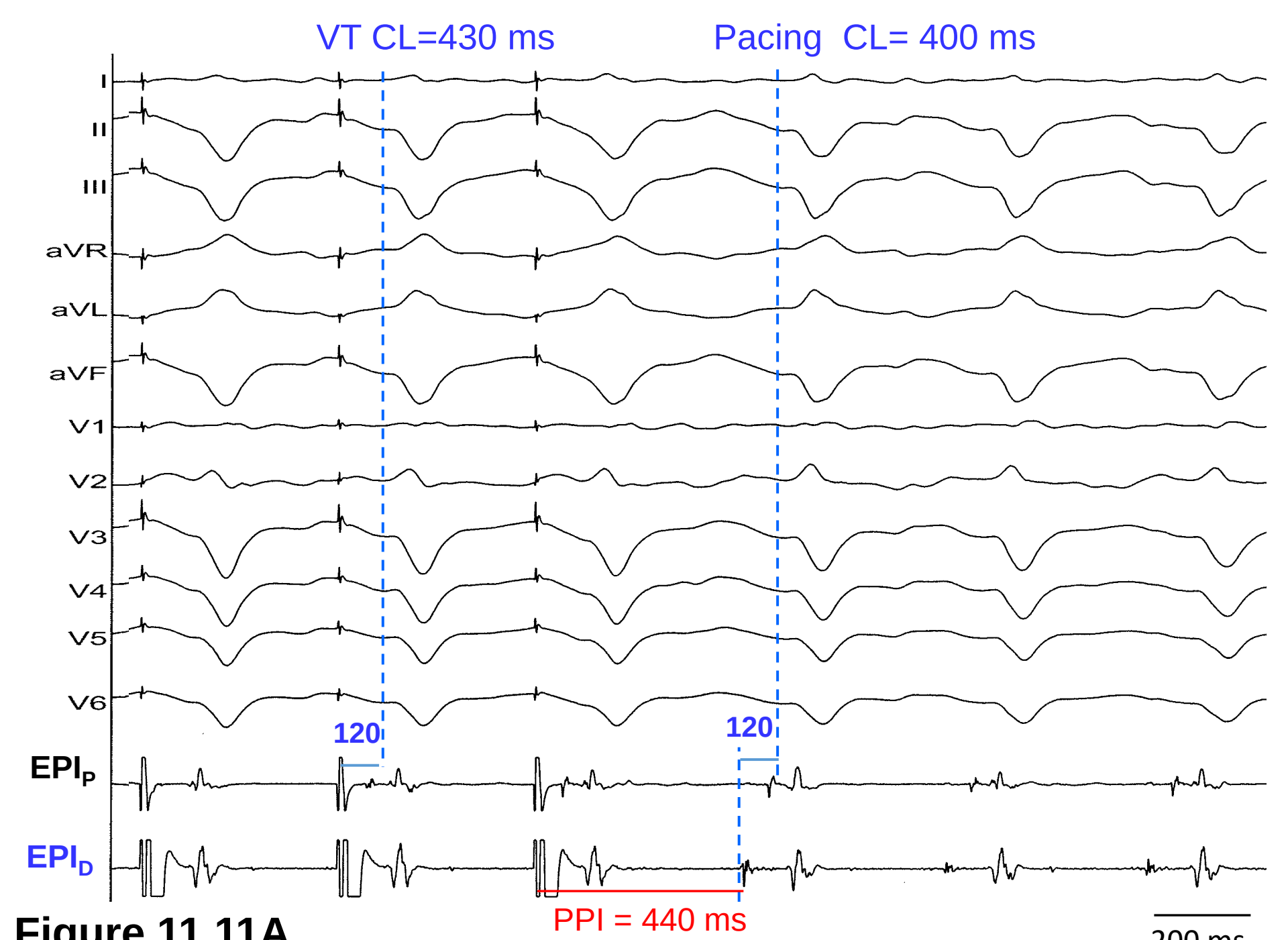


Figure 11.11A.

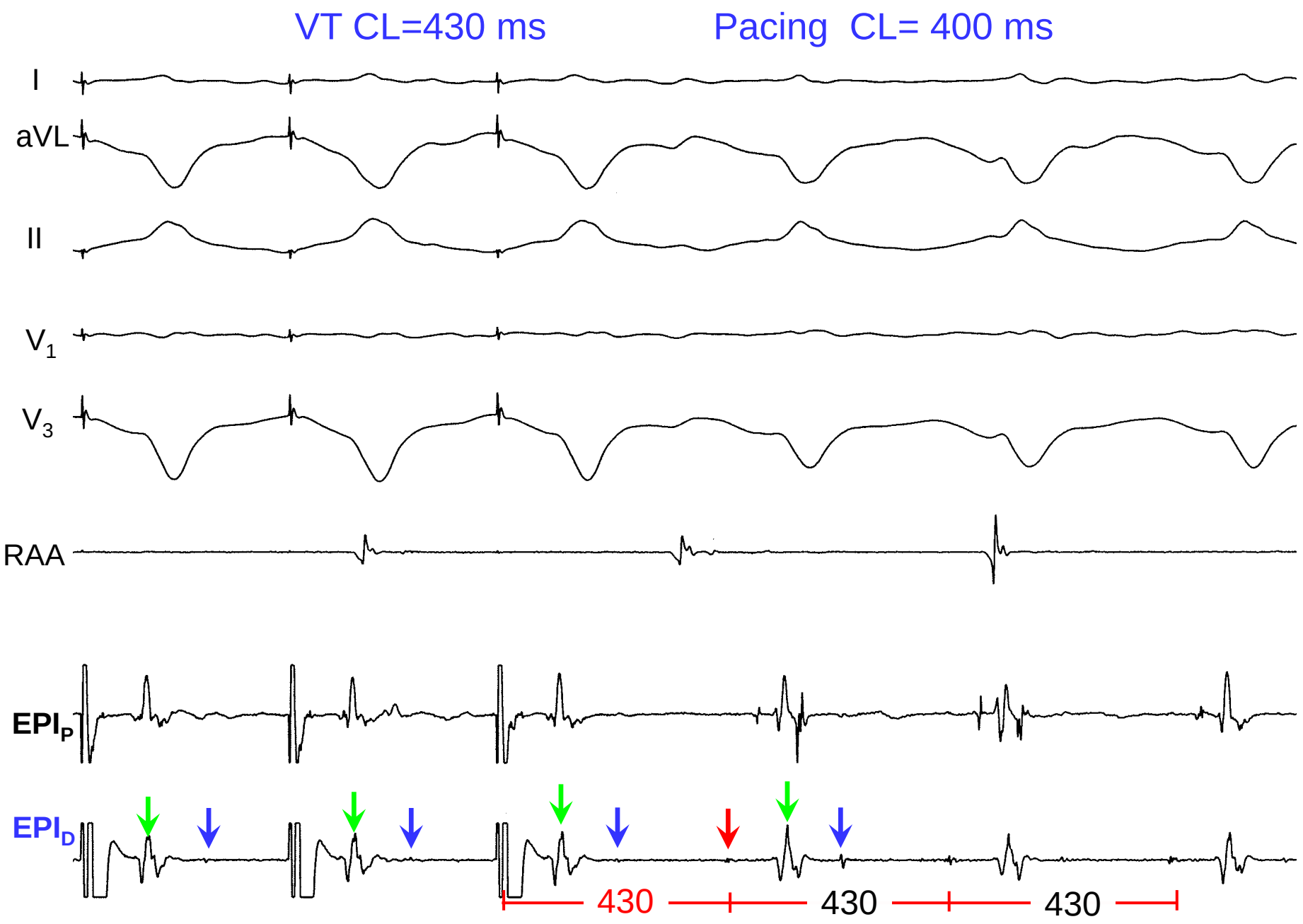


Figure 11.11B.

Figure 11.12A

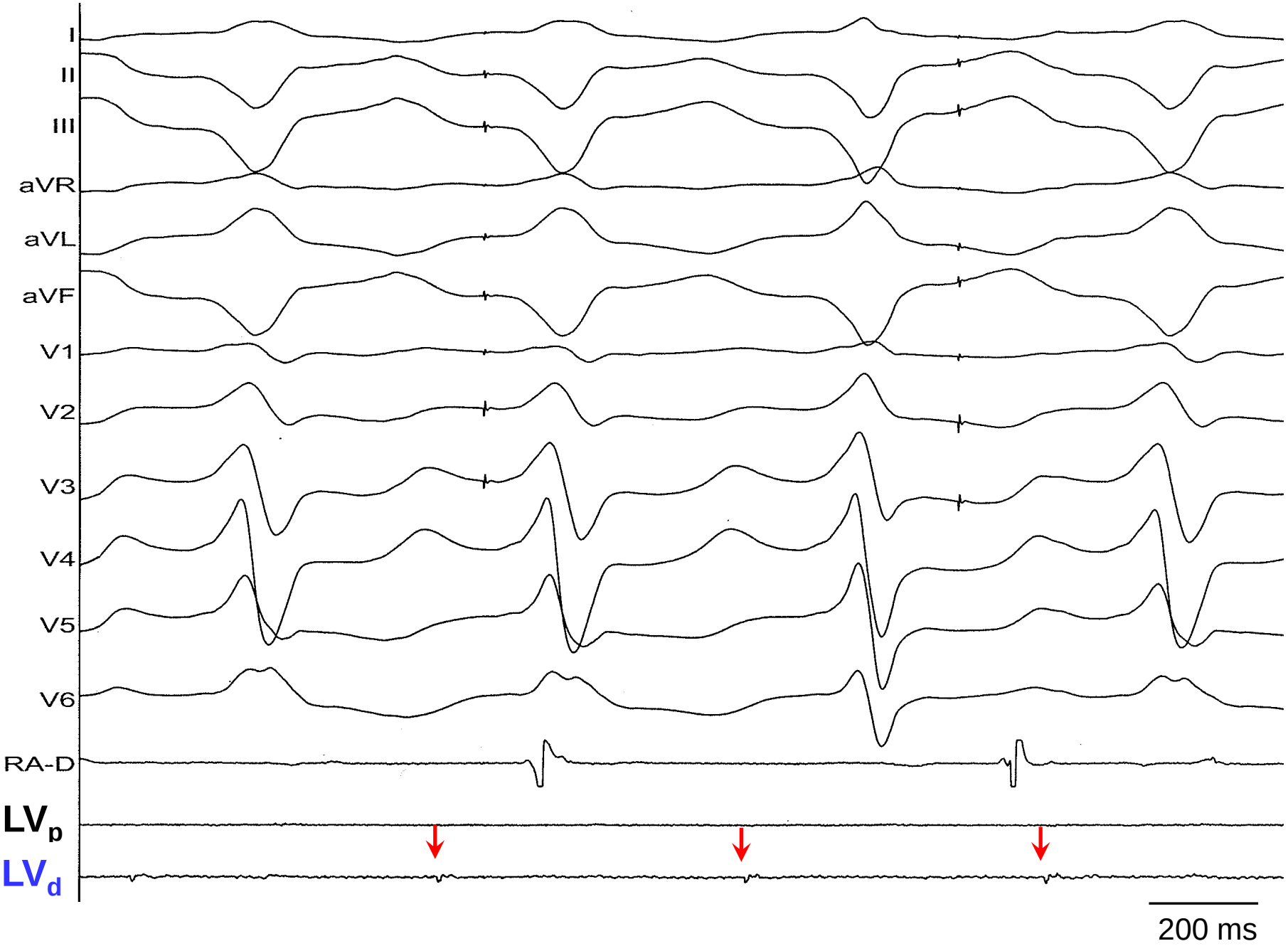


Figure 11.12B

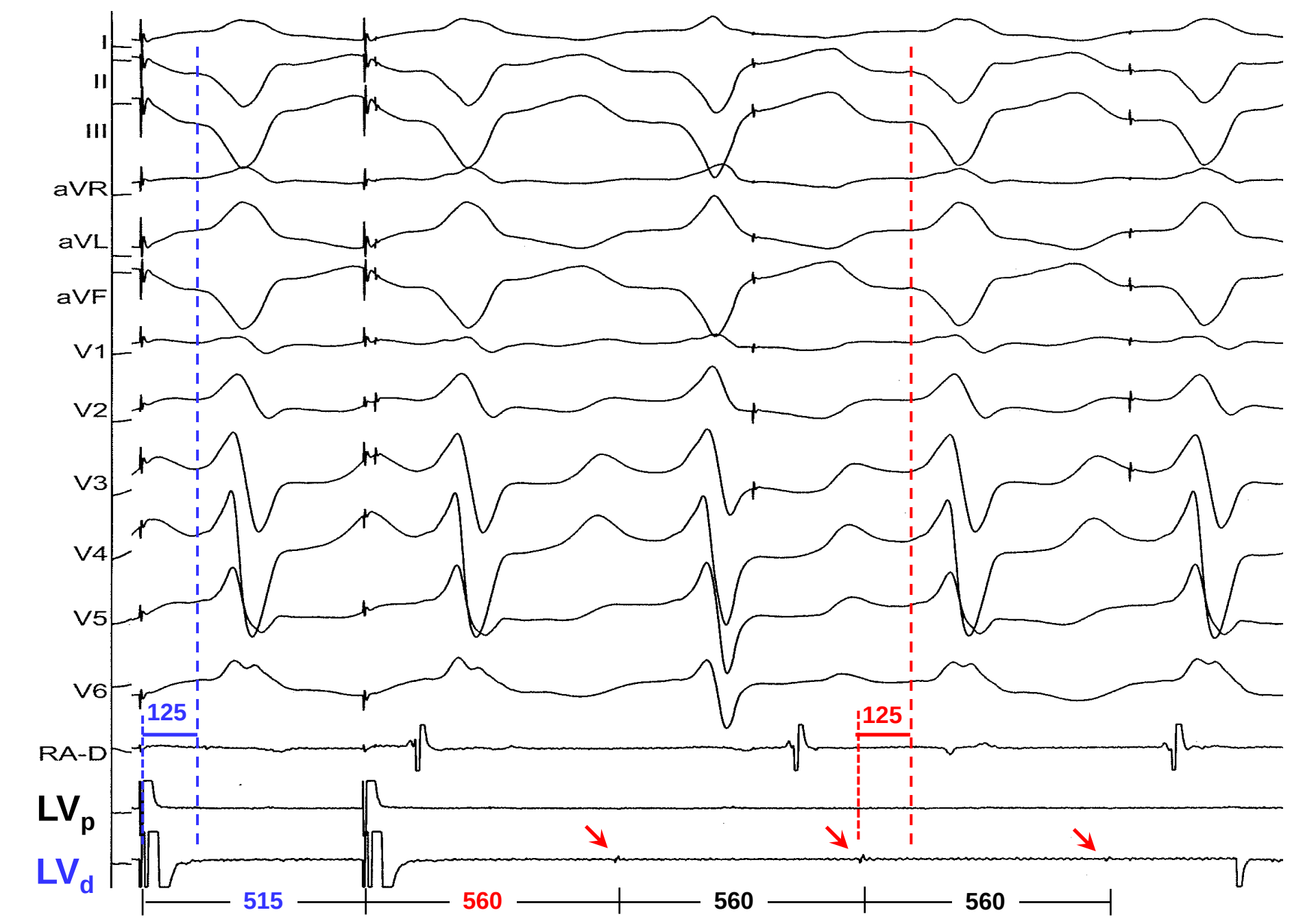


Figure 11.12C

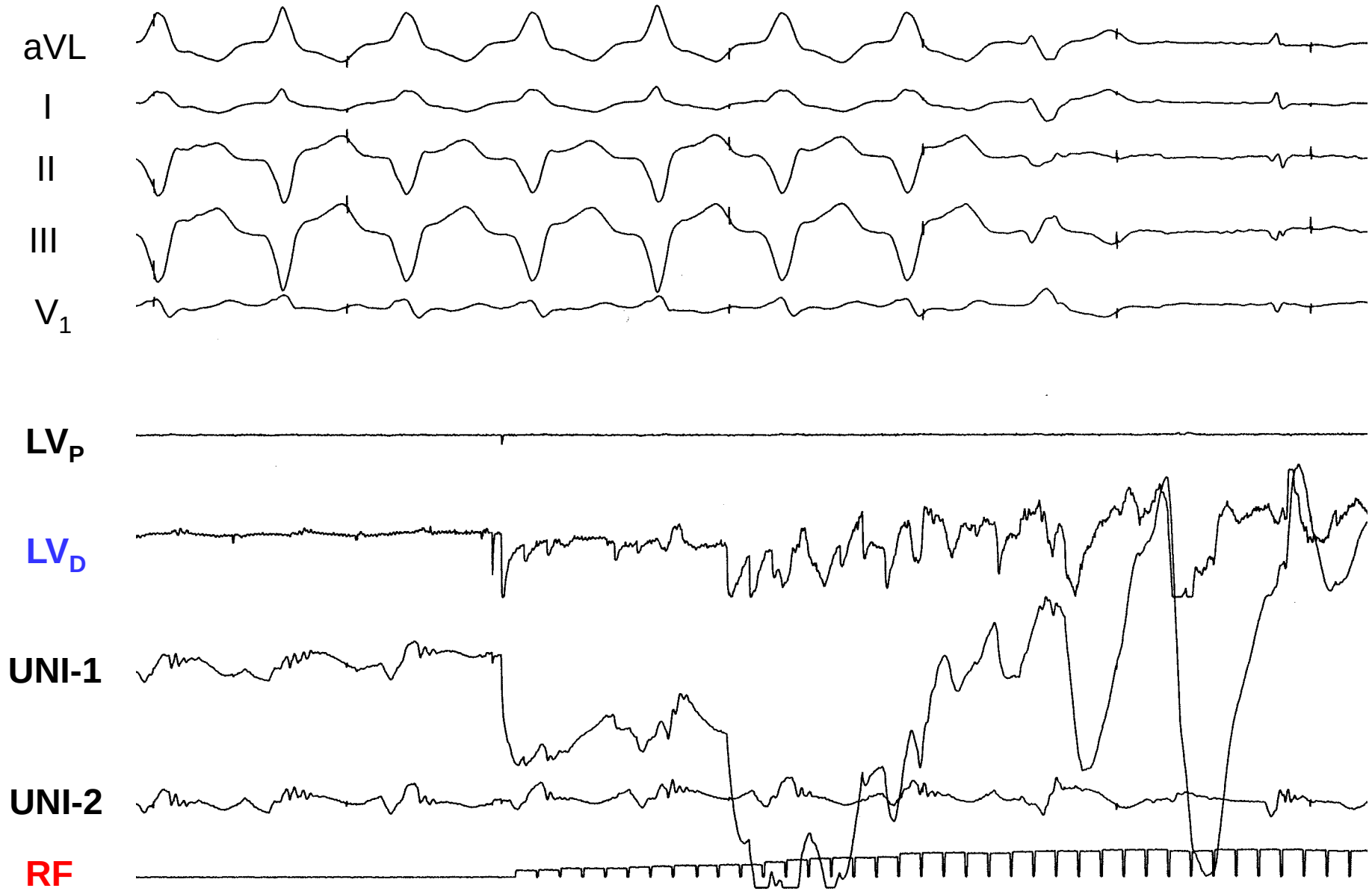


Figure 11.12D

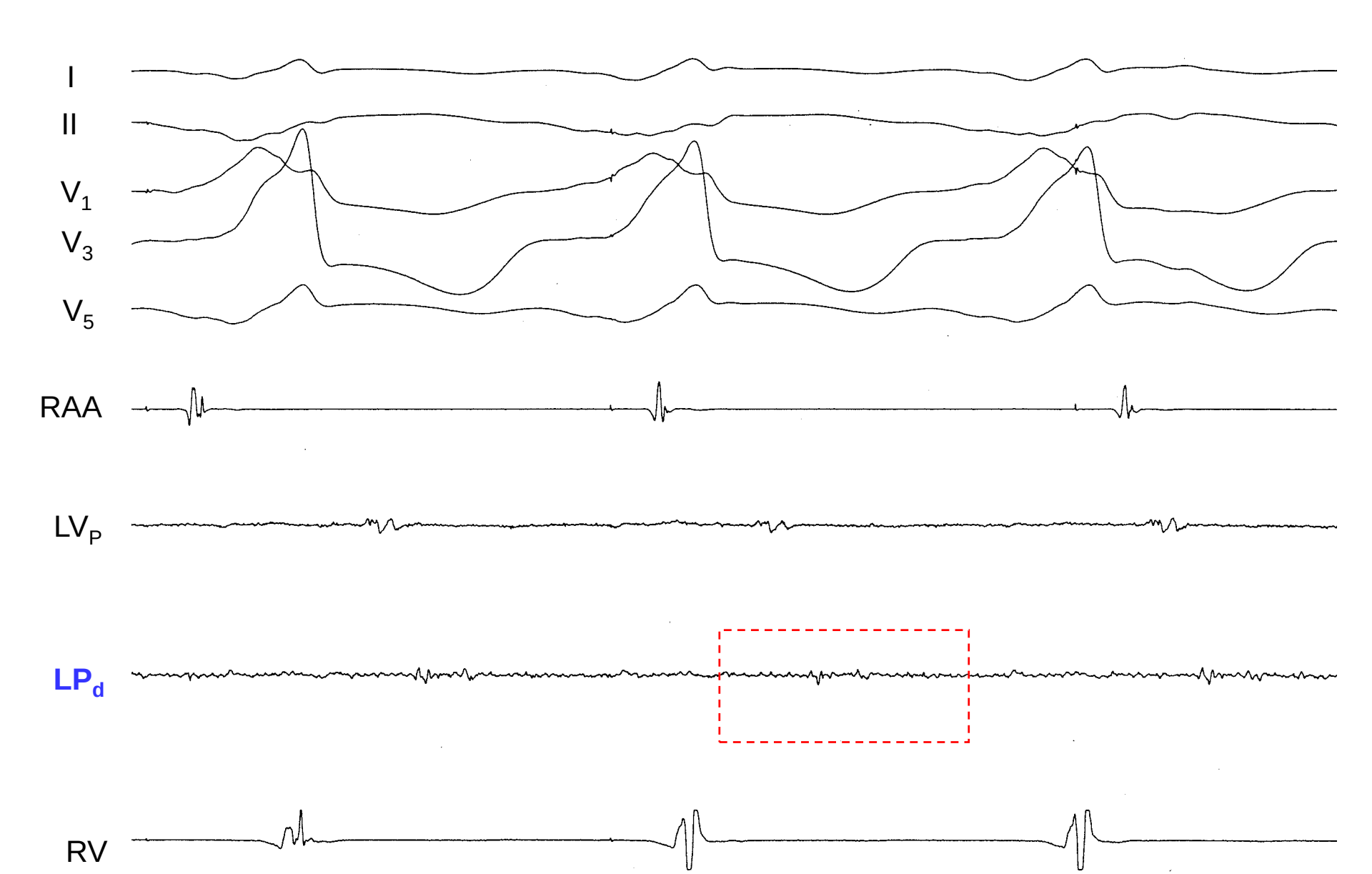


Figure 11.13A

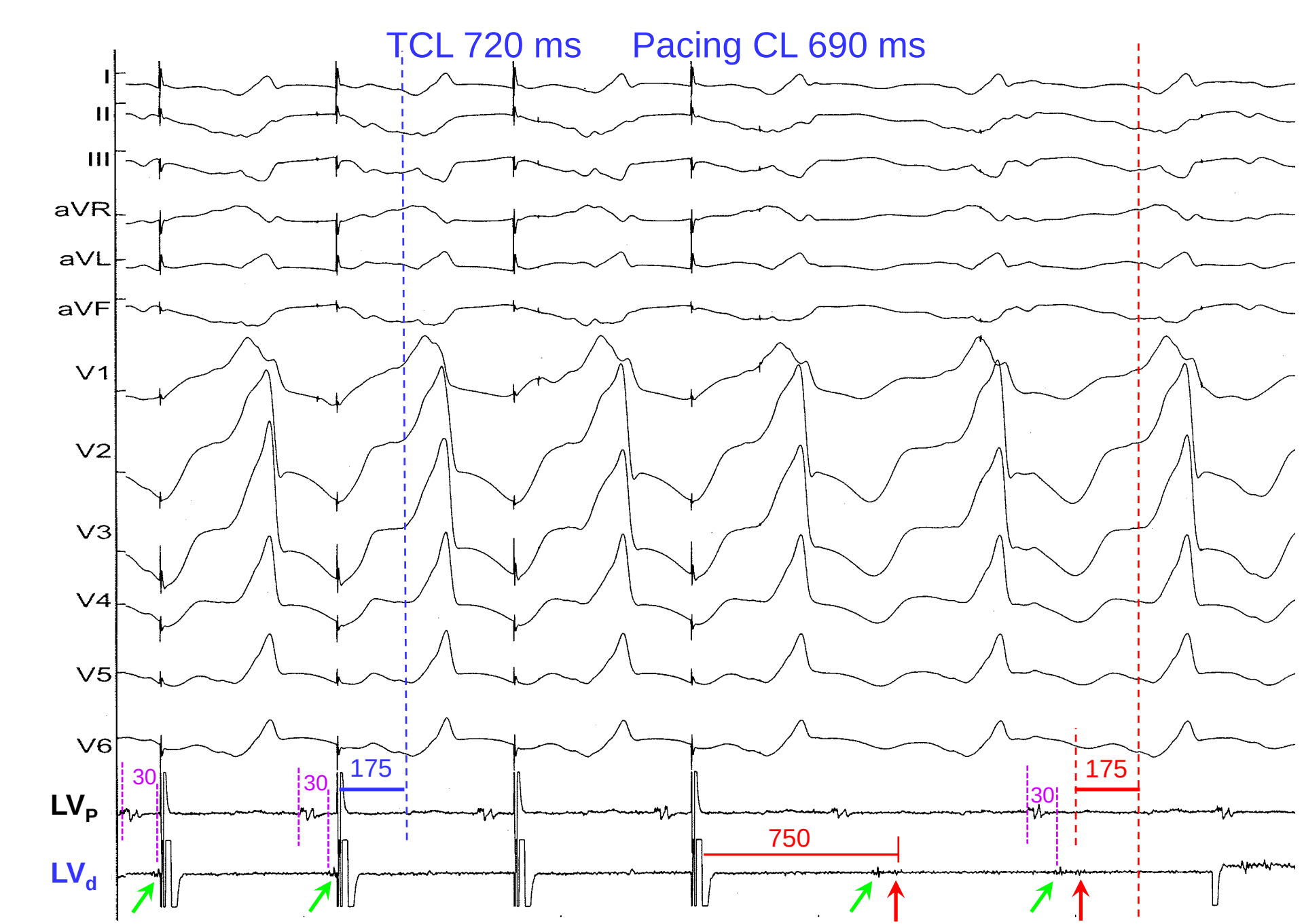


Figure 11.13B

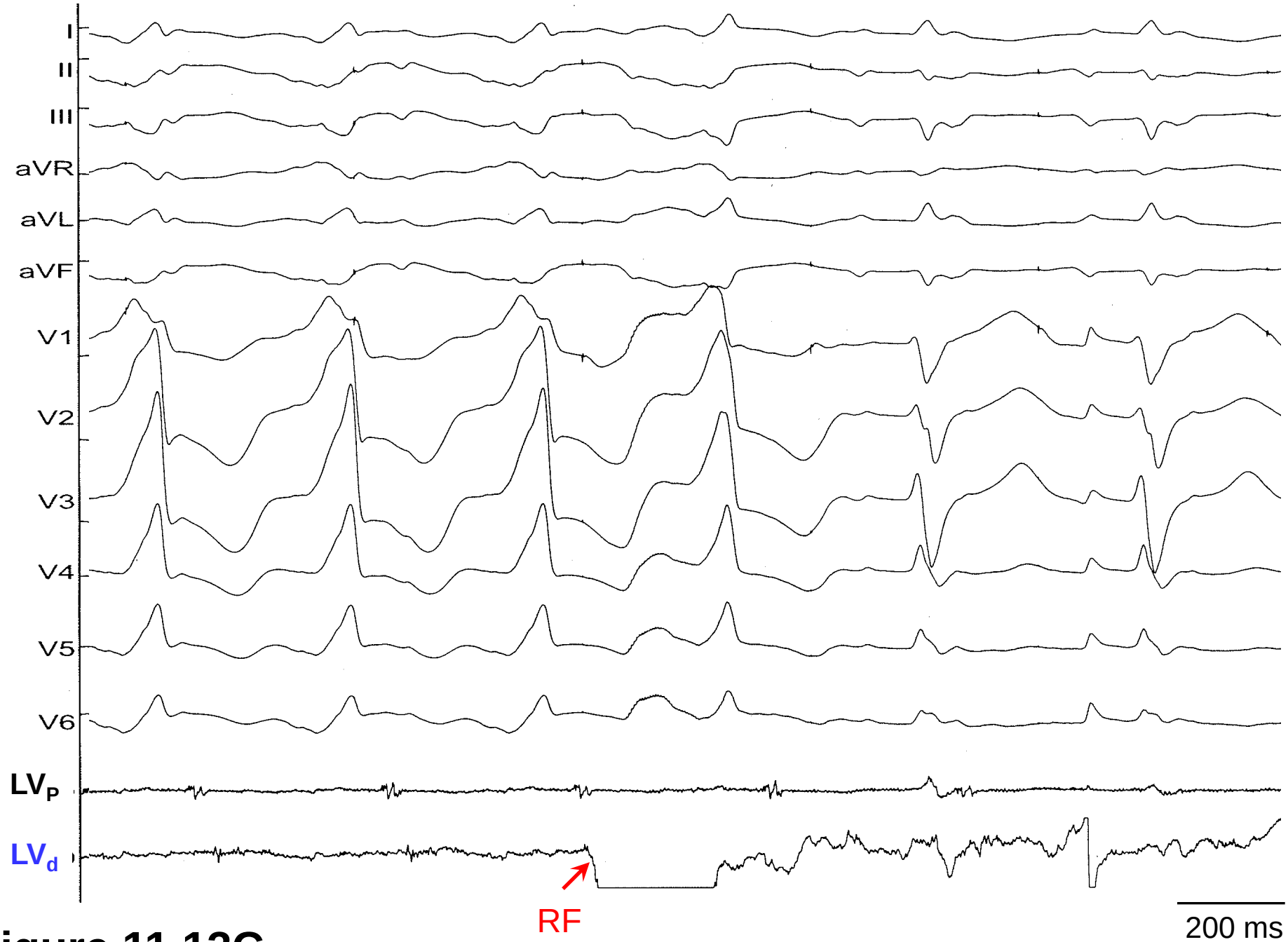


Figure 11.13C

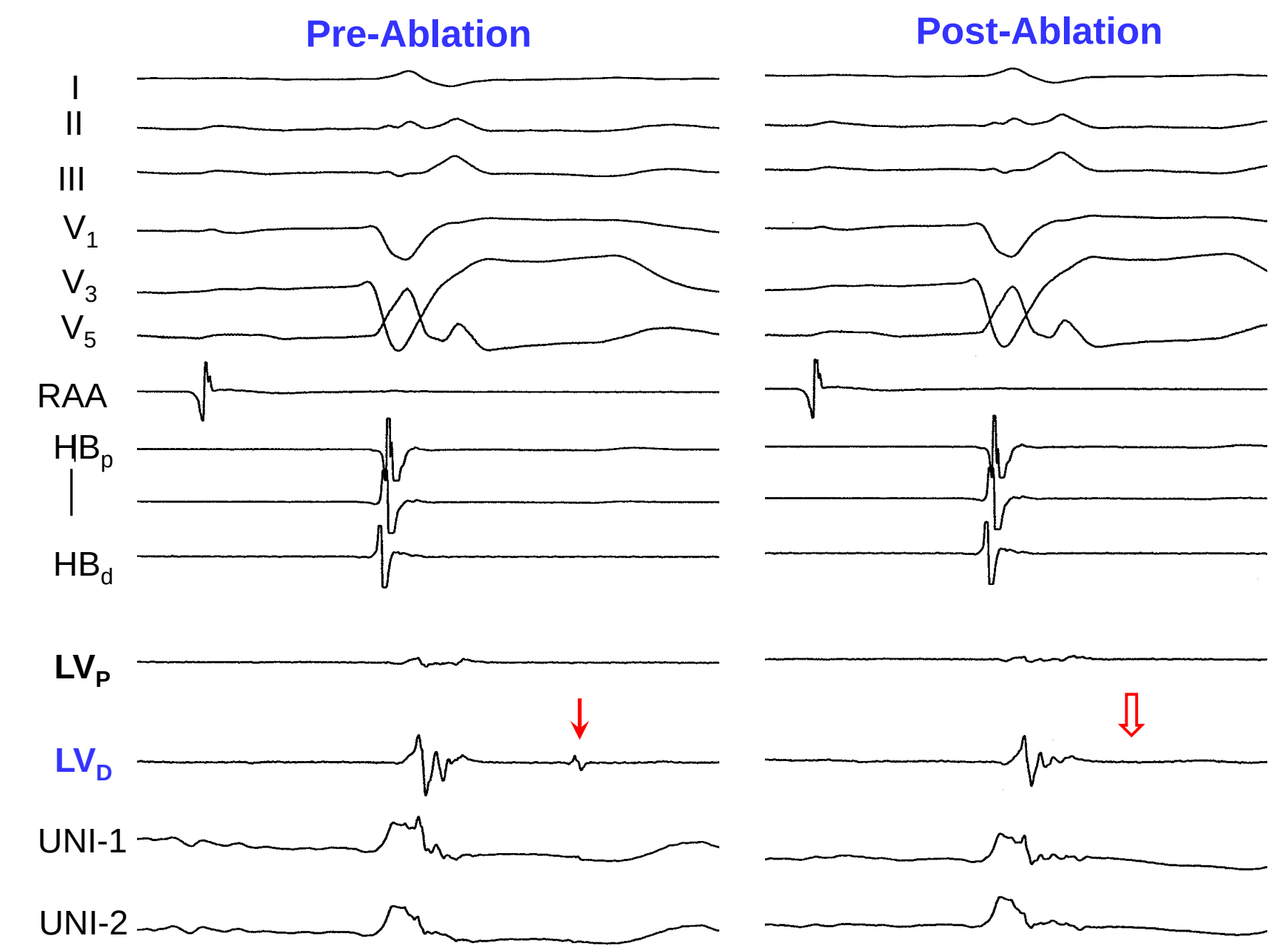


Figure 11.14A

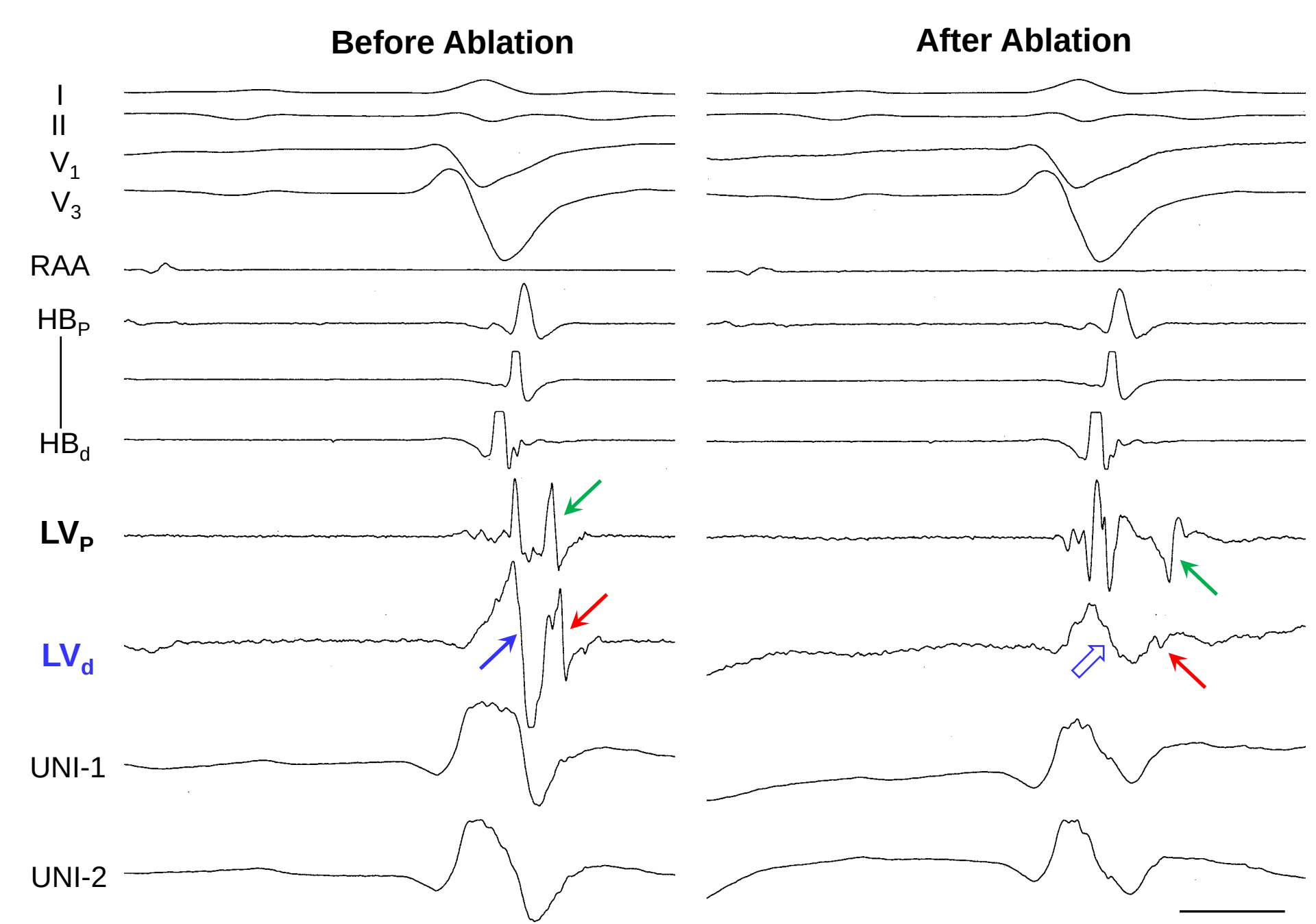


Figure 11.14B

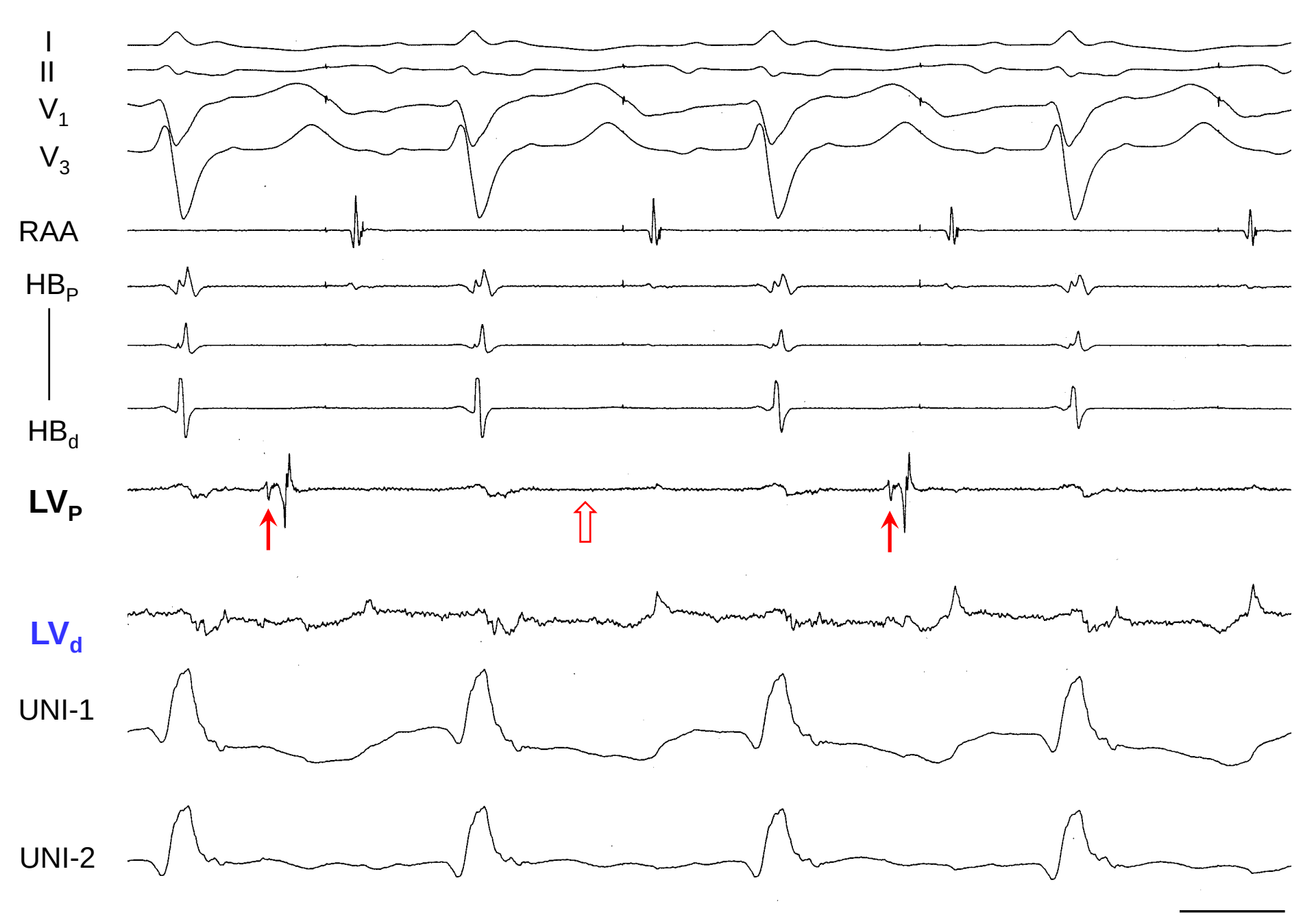


Figure 11.14C

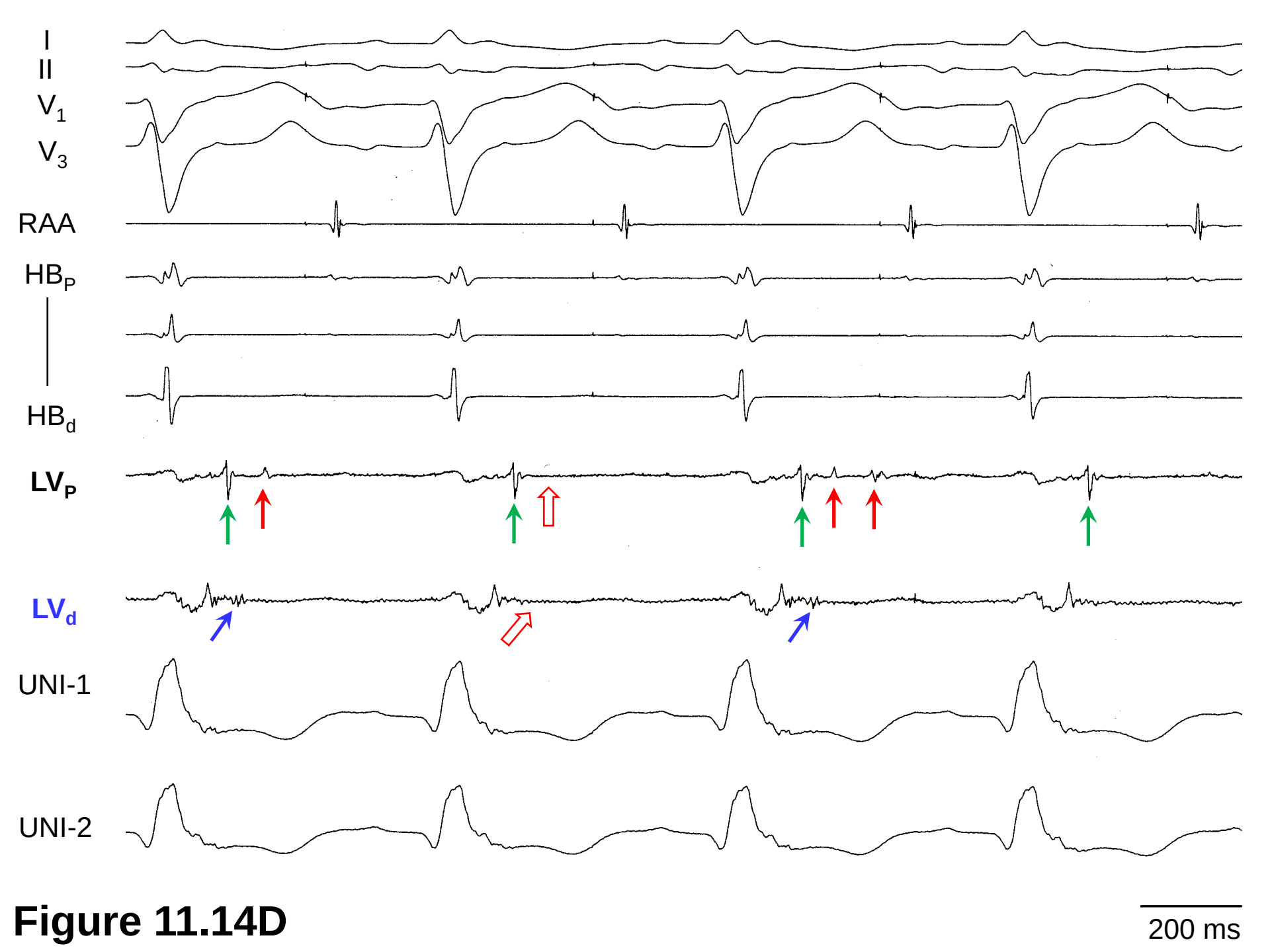


Figure 11.14D

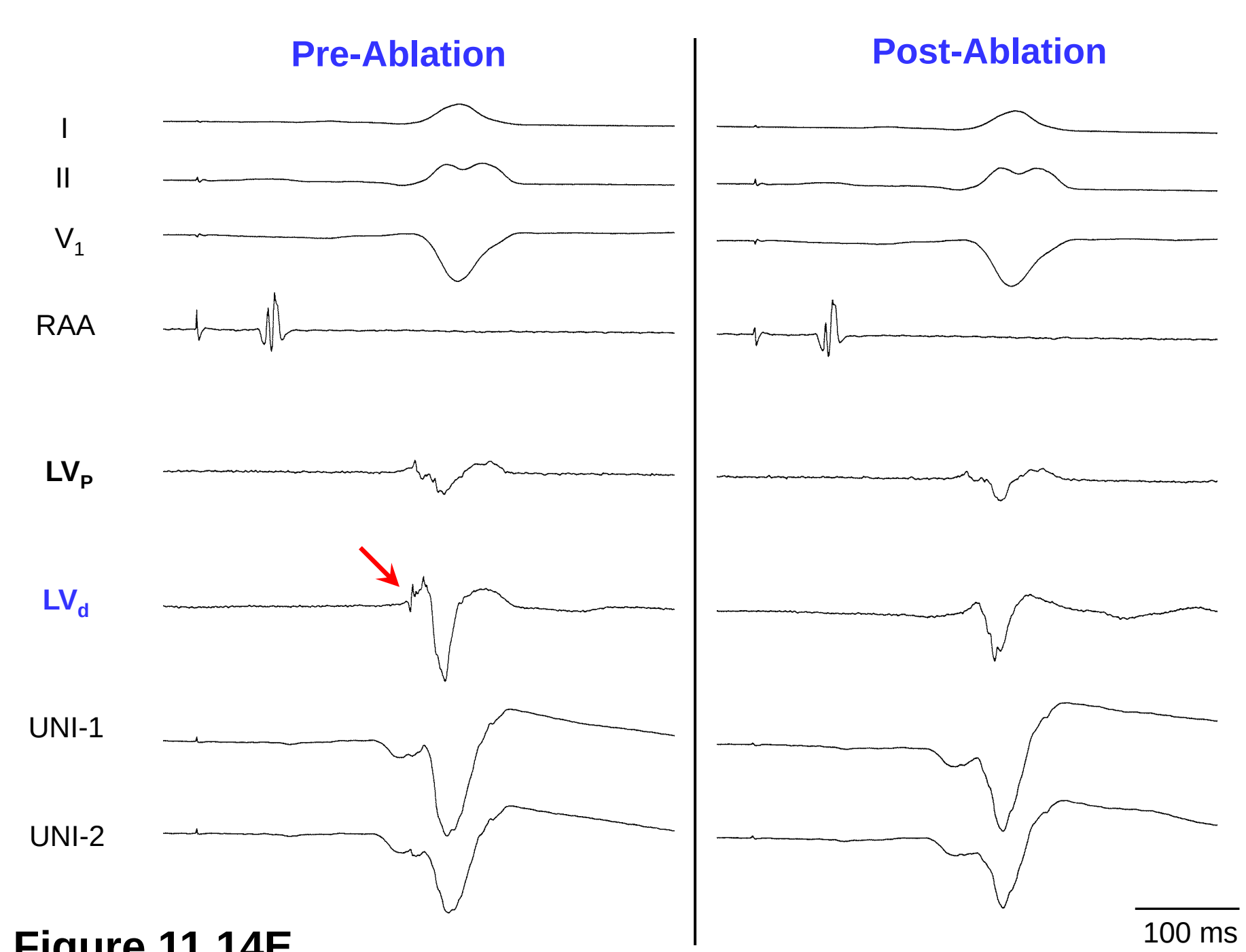


Figure 11.14E

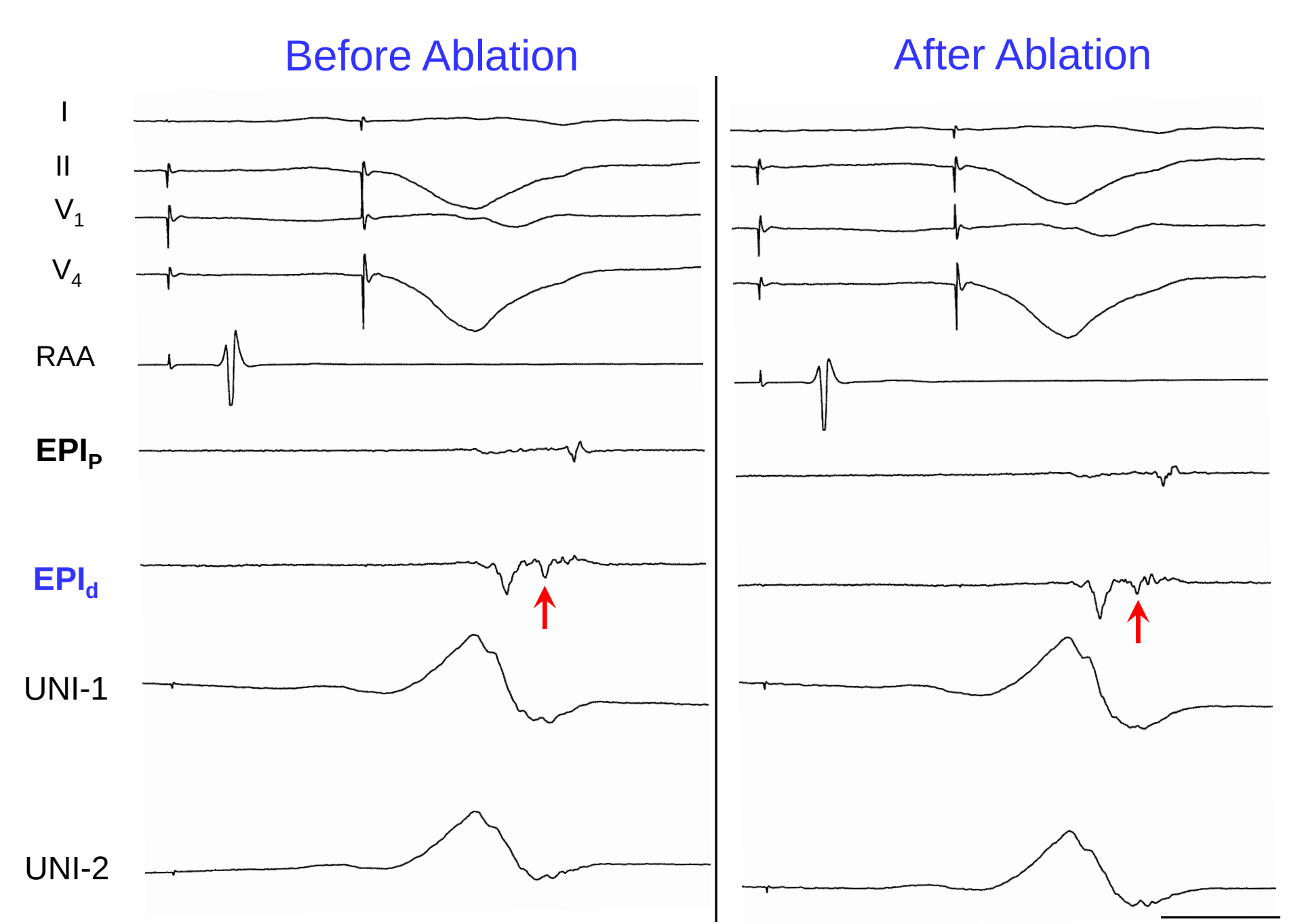
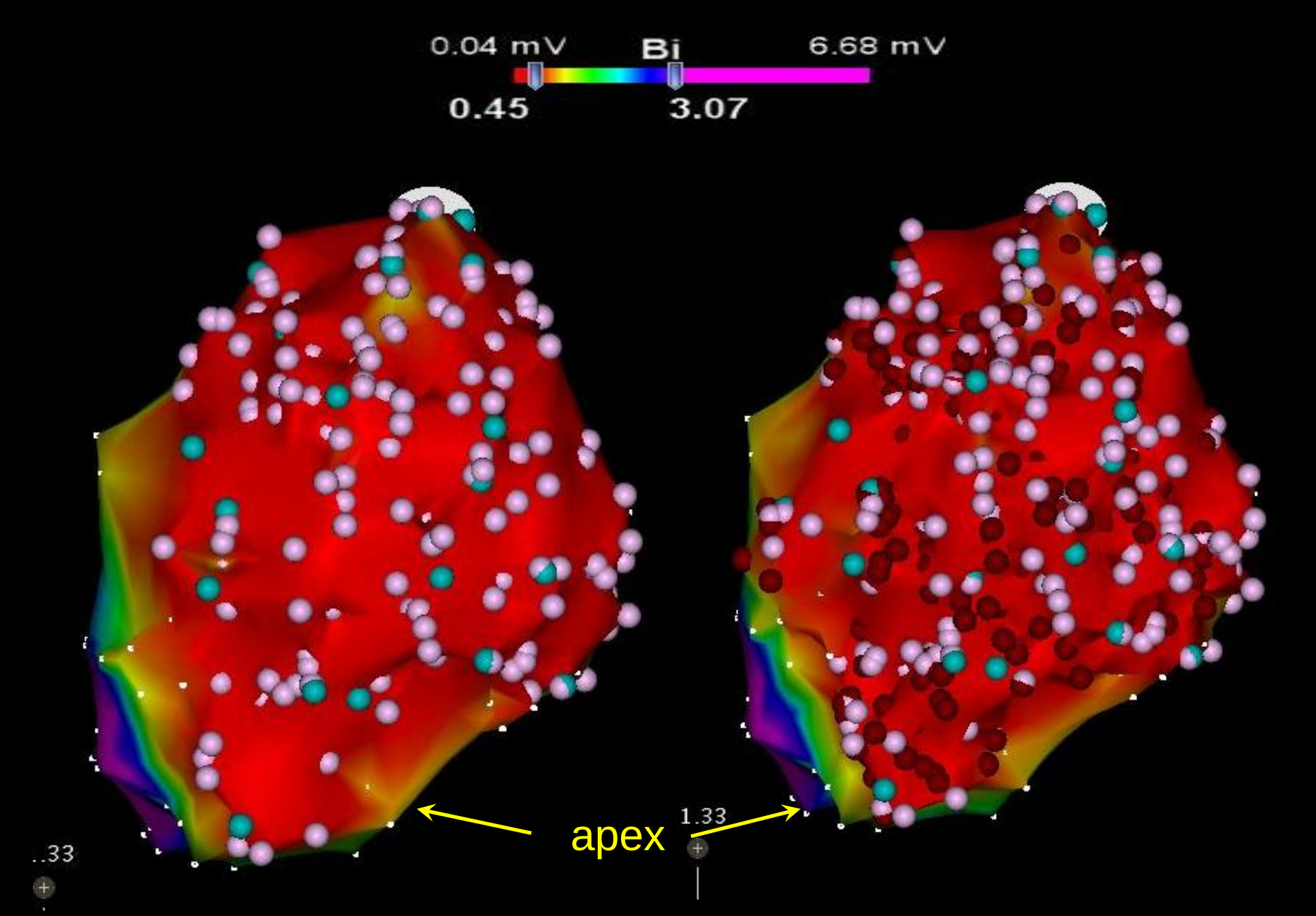
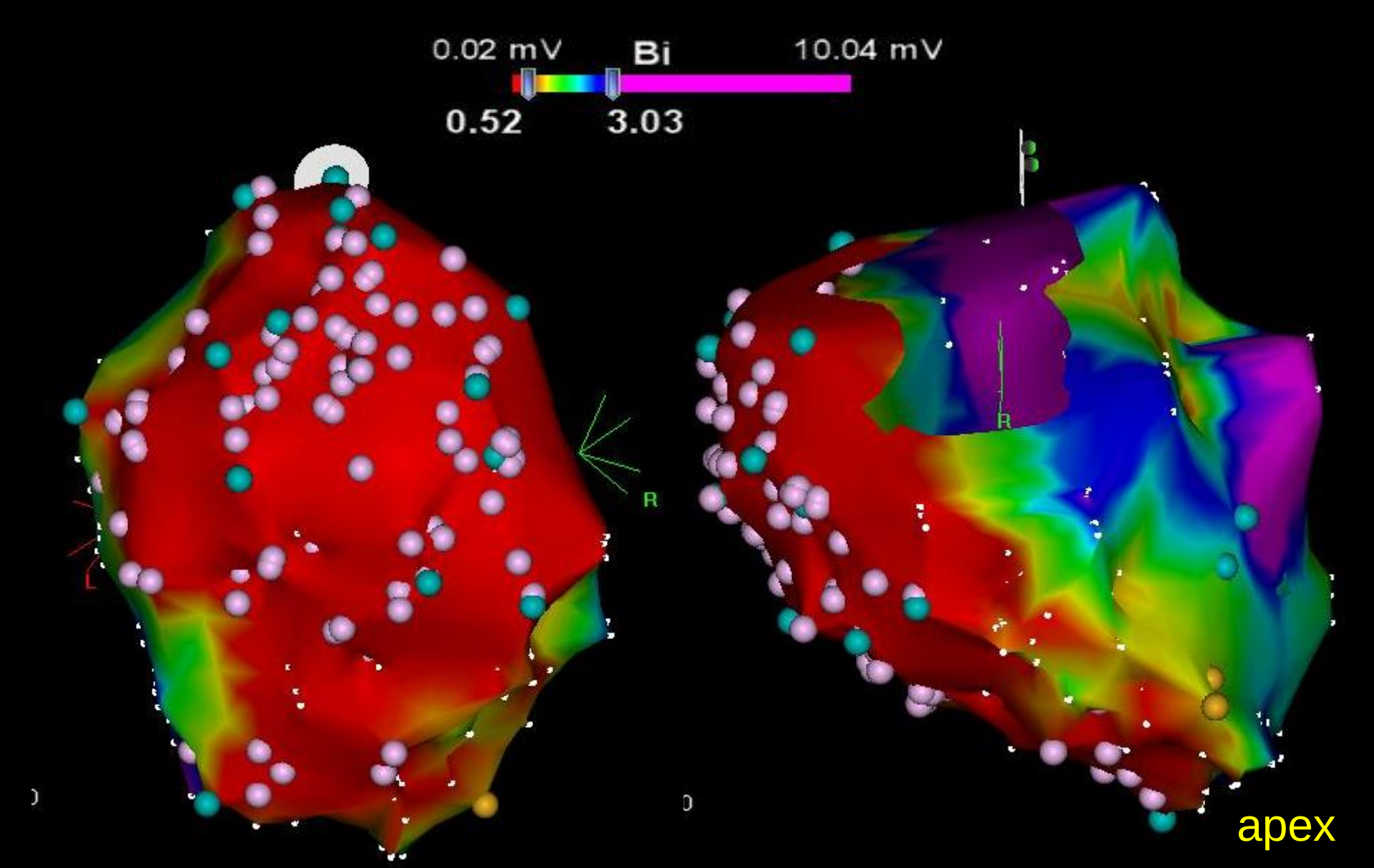


Figure 11.14F



LV bottom view

Figure 11.15A



LV bottom view

Right lateral view

Figure 11.15B

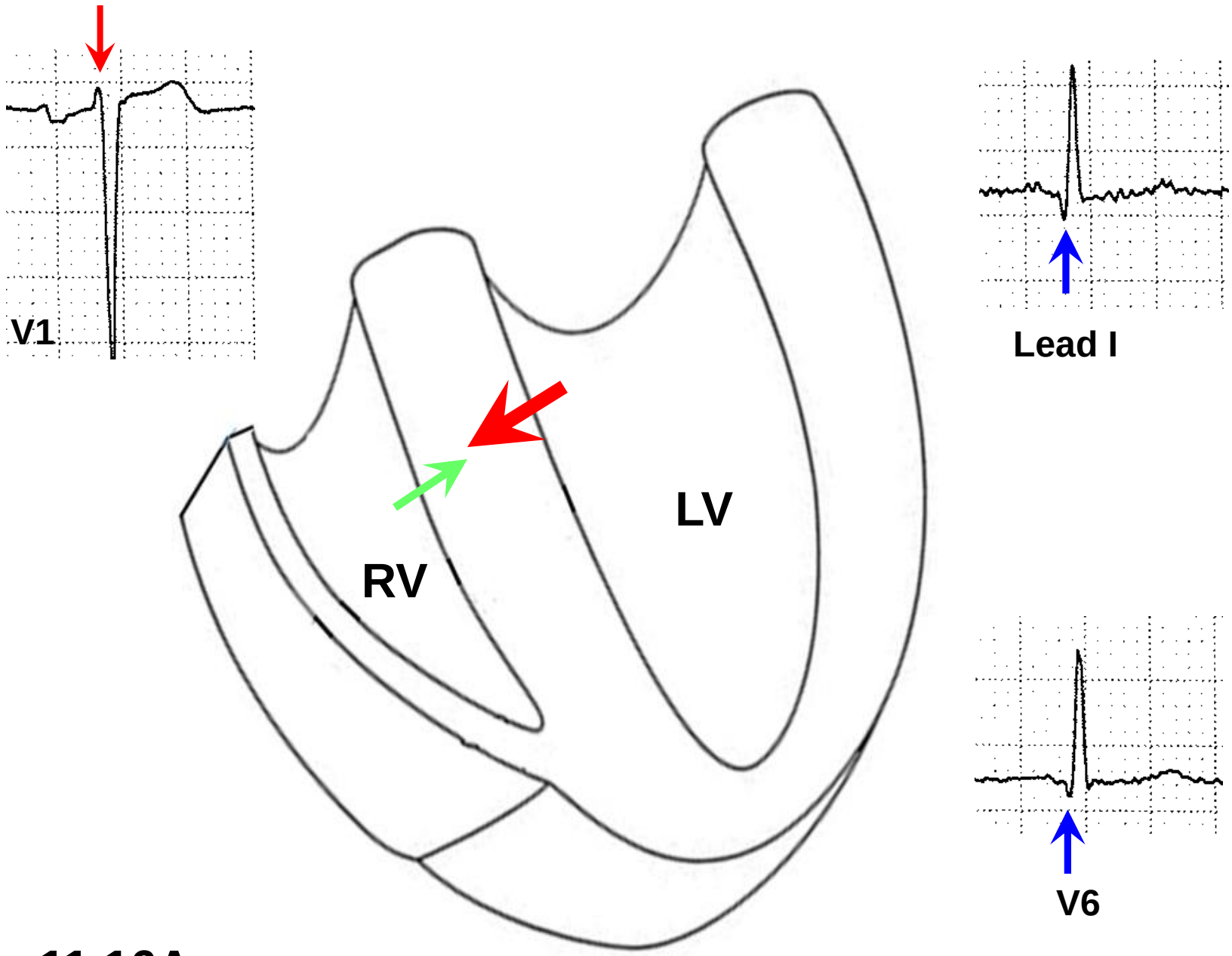


Figure 11.16A.

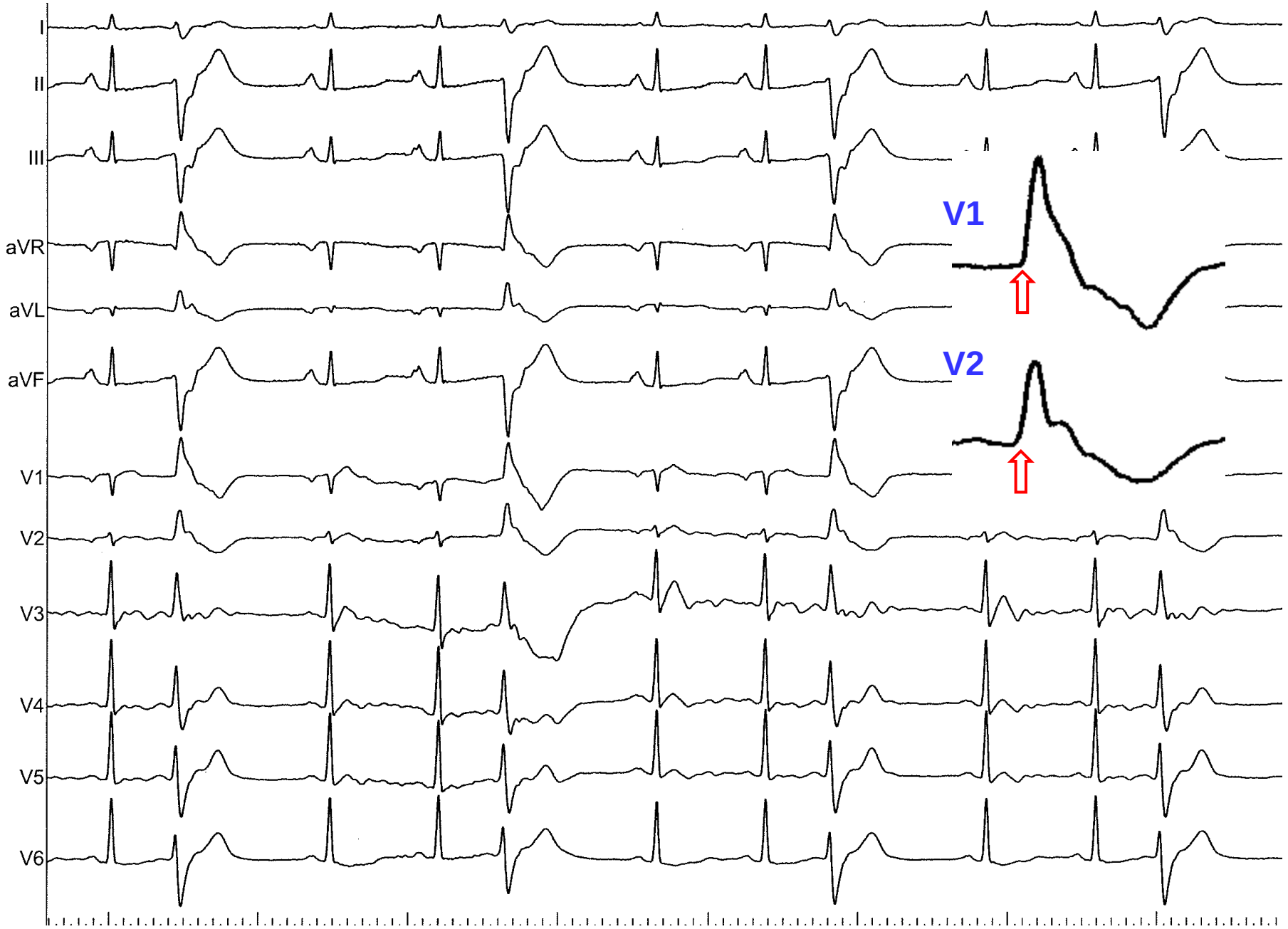


Figure 11.16B.

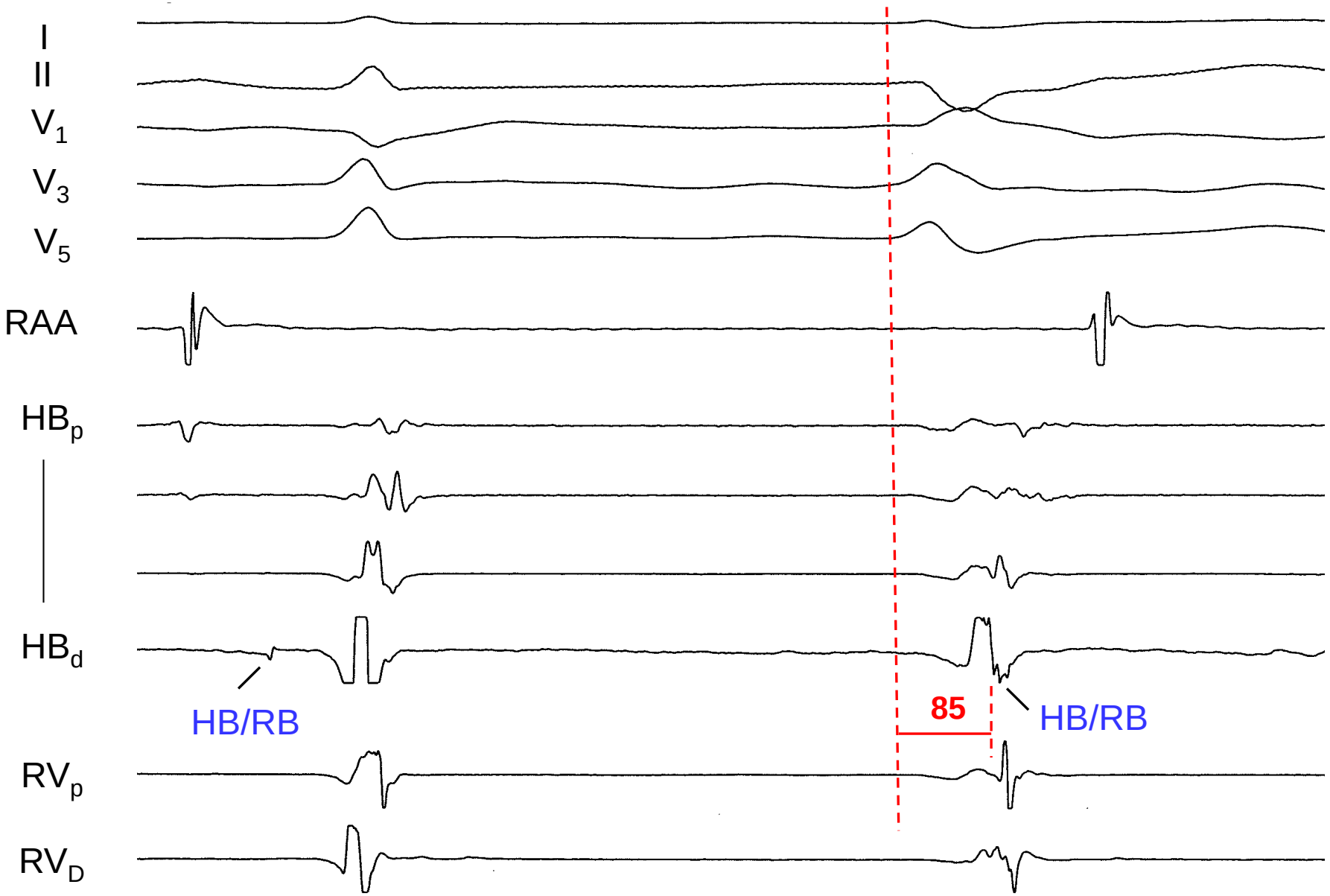


Figure 11.16C.

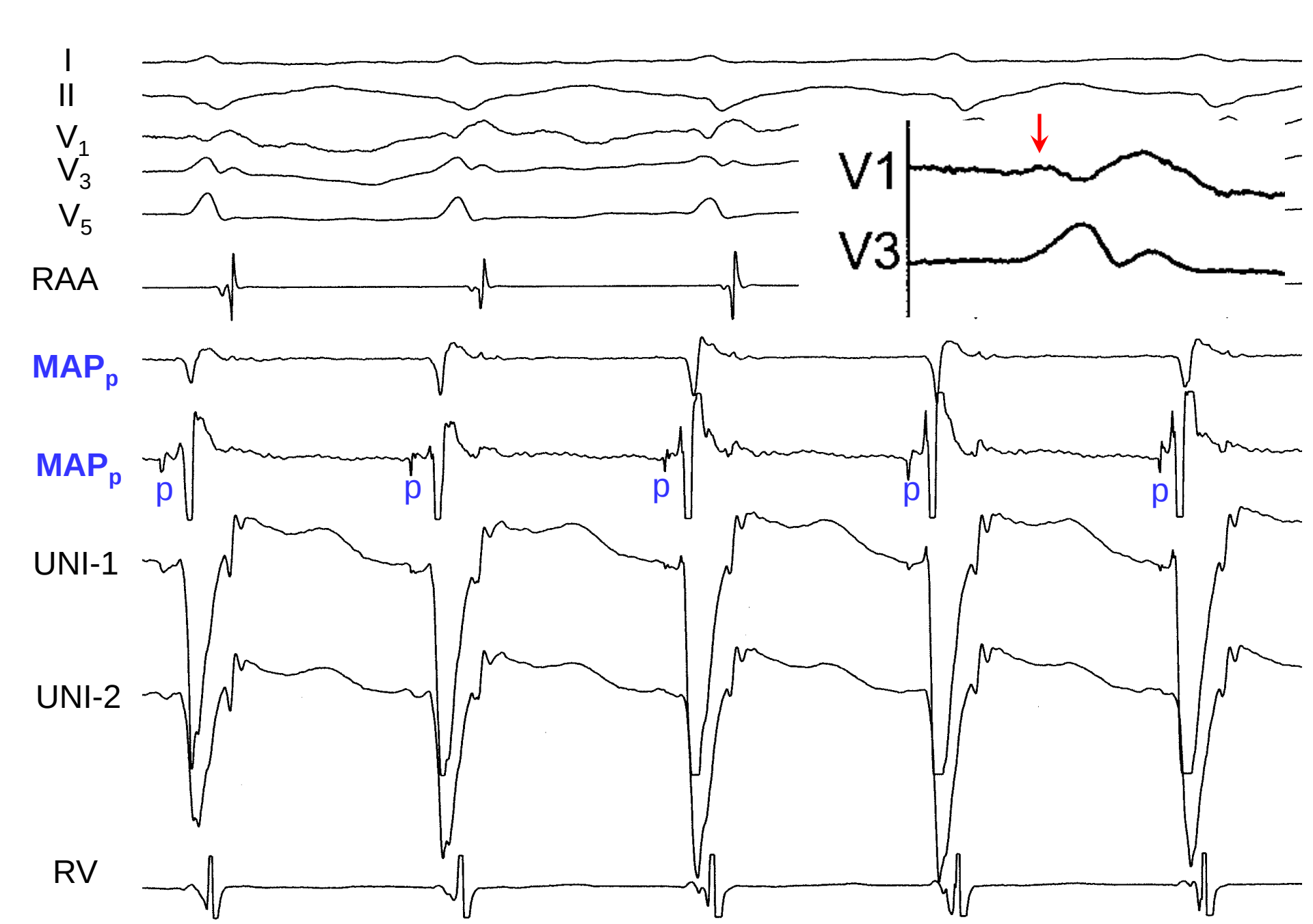


Figure 11.16D.

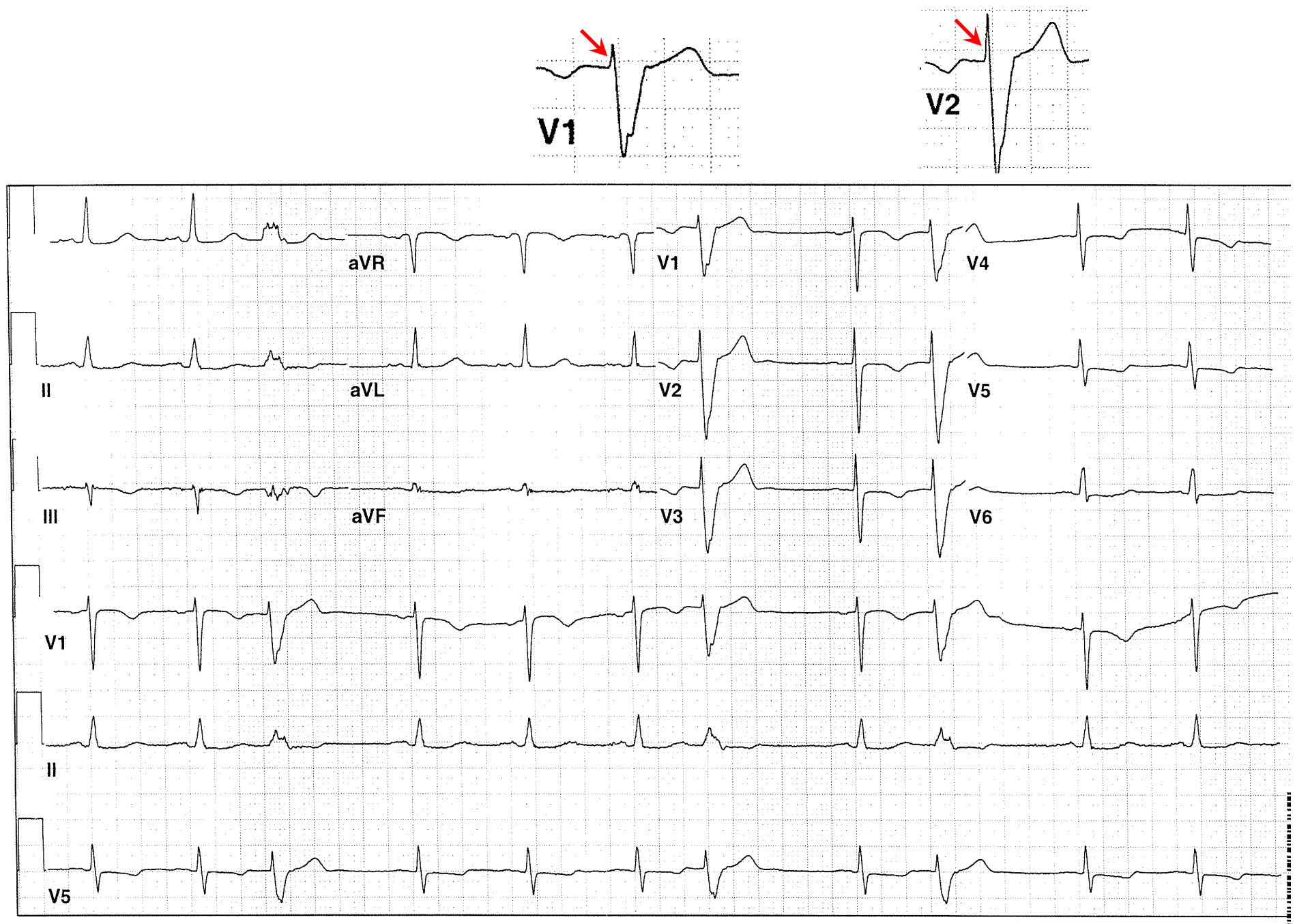


Figure 11.16E.

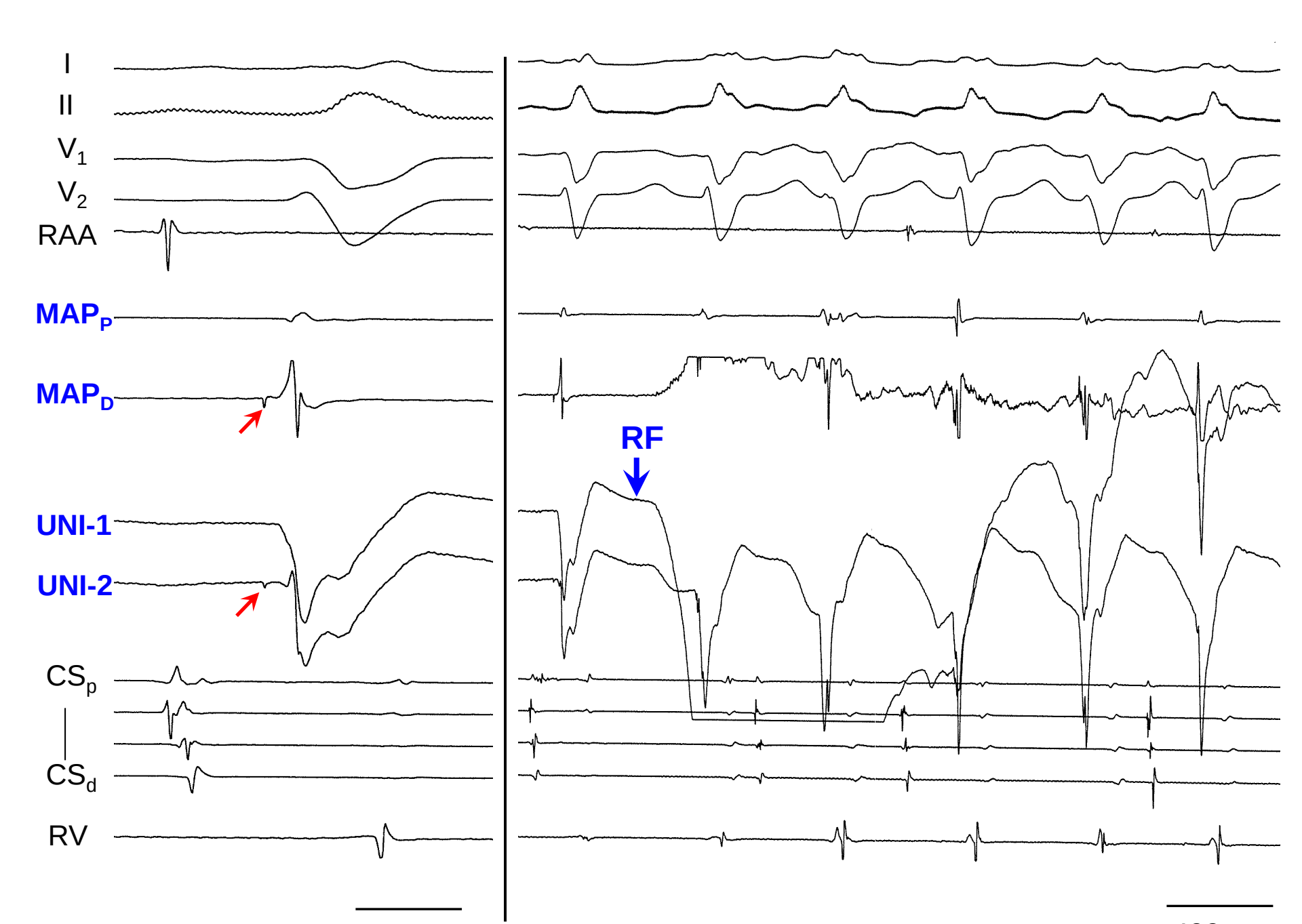


Figure 11.16F.

VT

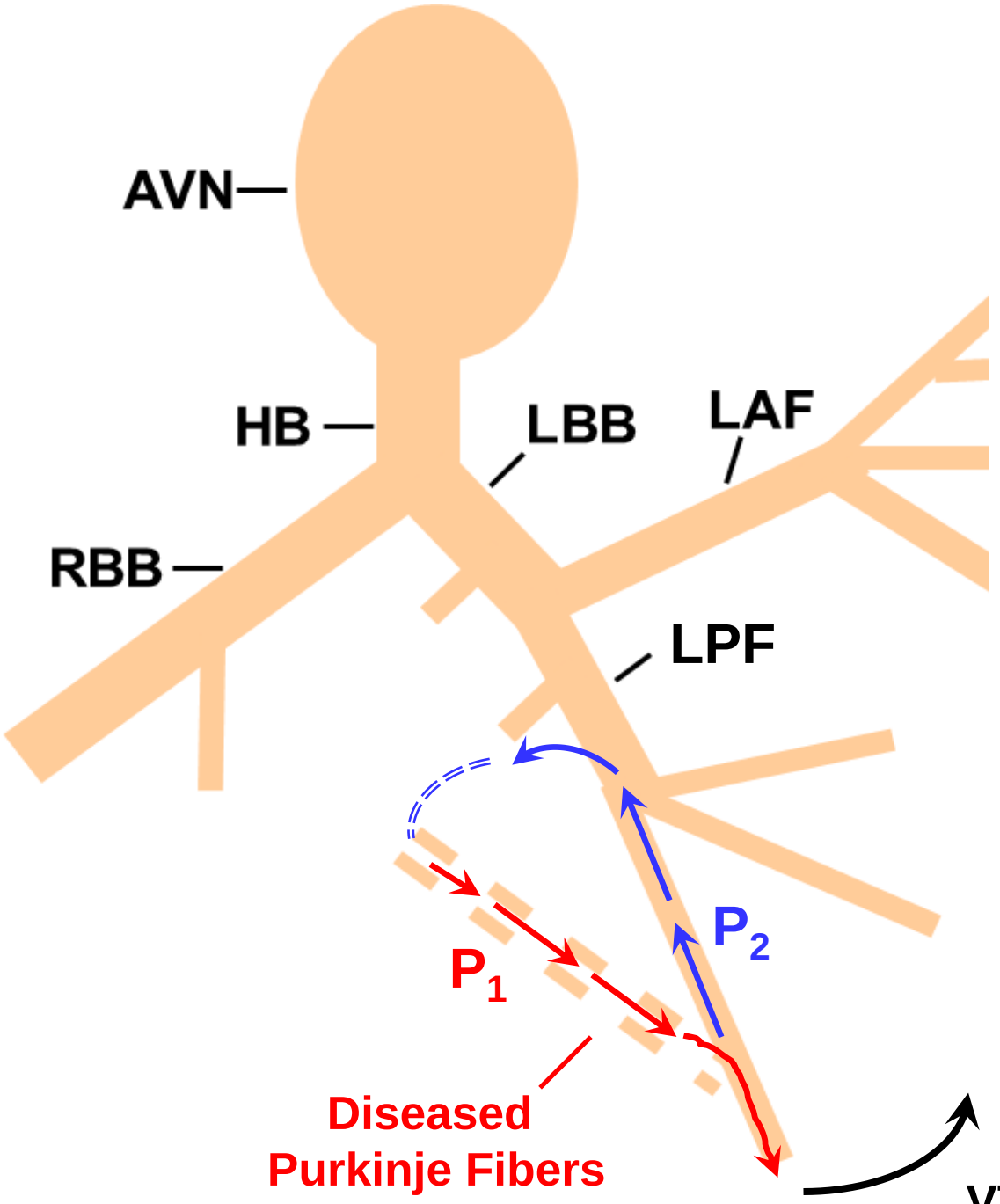


Figure 11.17A.

Sinus Rhythm

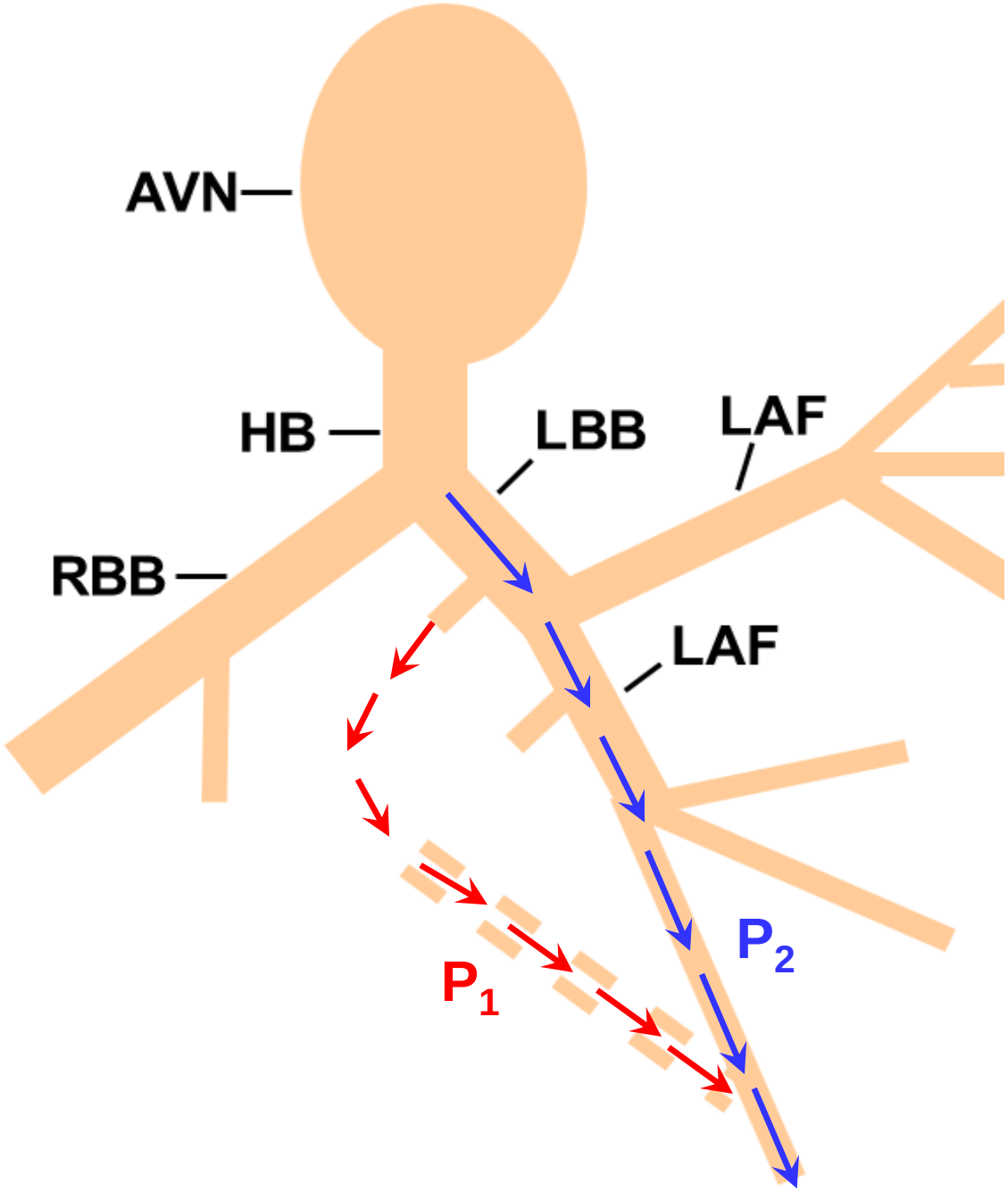


Figure 11.17B.

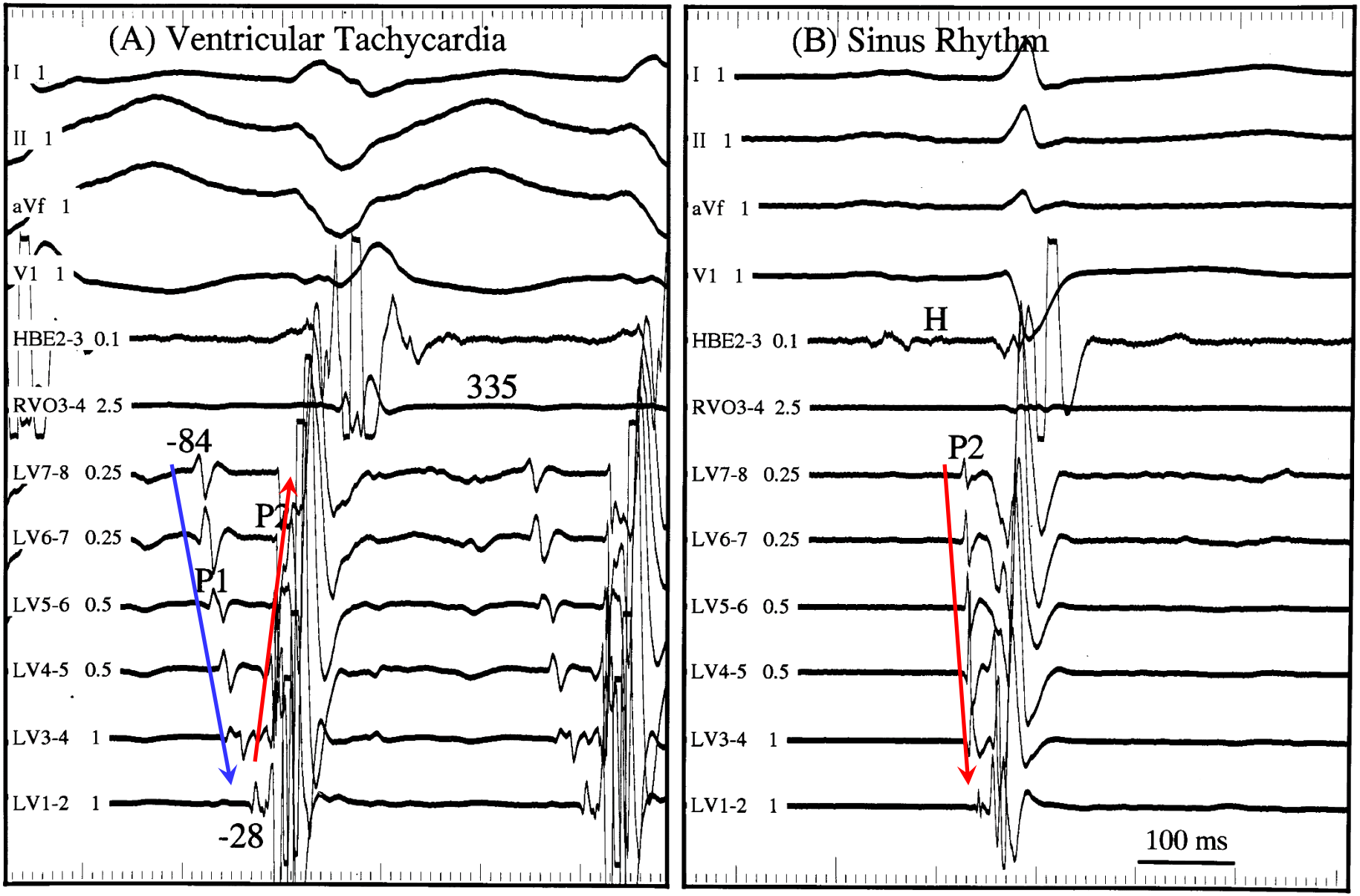


Figure 11.17C.

Nogami, J Am Coll Cardiol. 2000 Sep;36(3):811-23

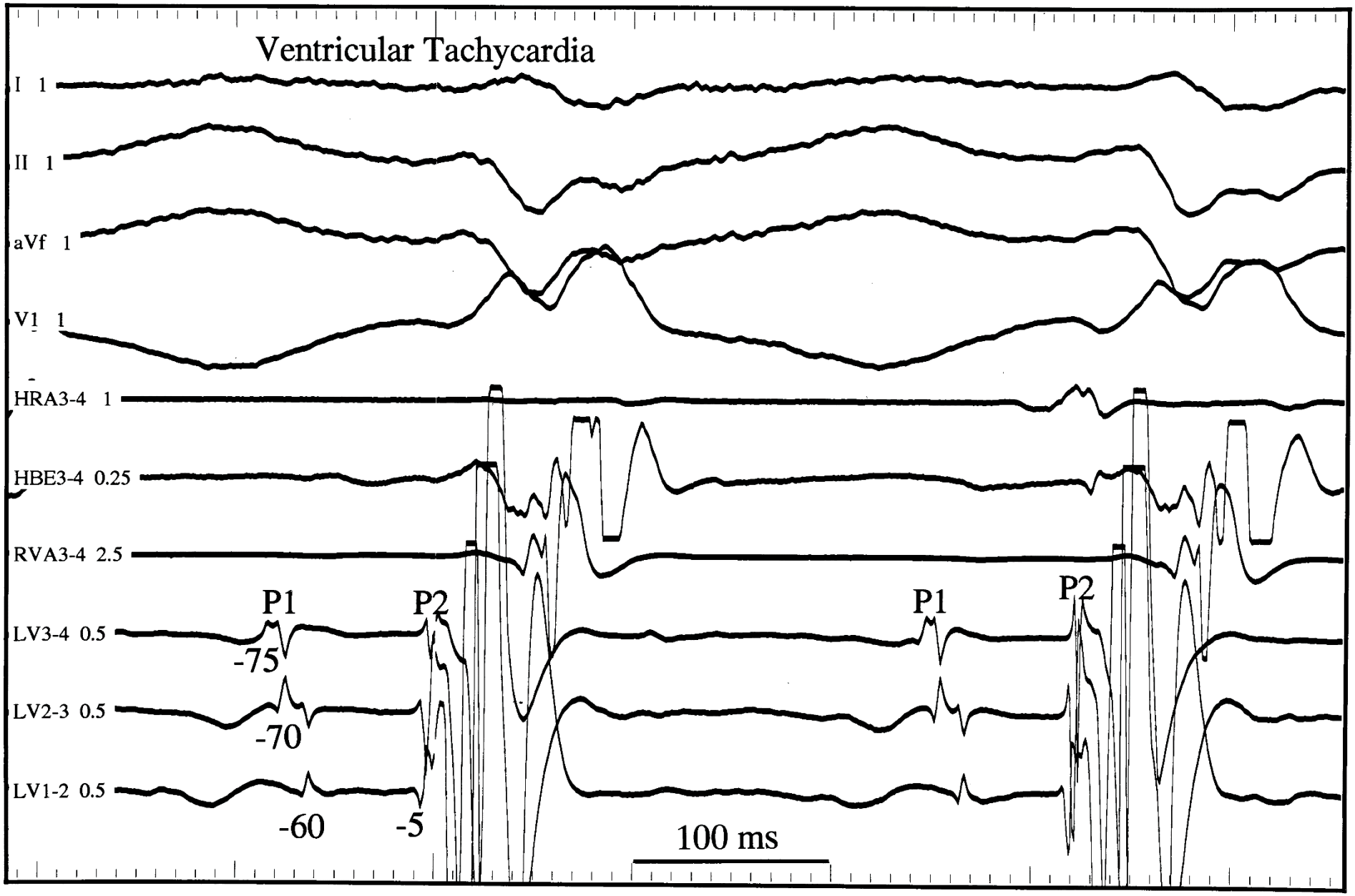


Figure 11.17D.

Nogami, J Am Coll Cardiol. 2000 Sep;36(3):811-23

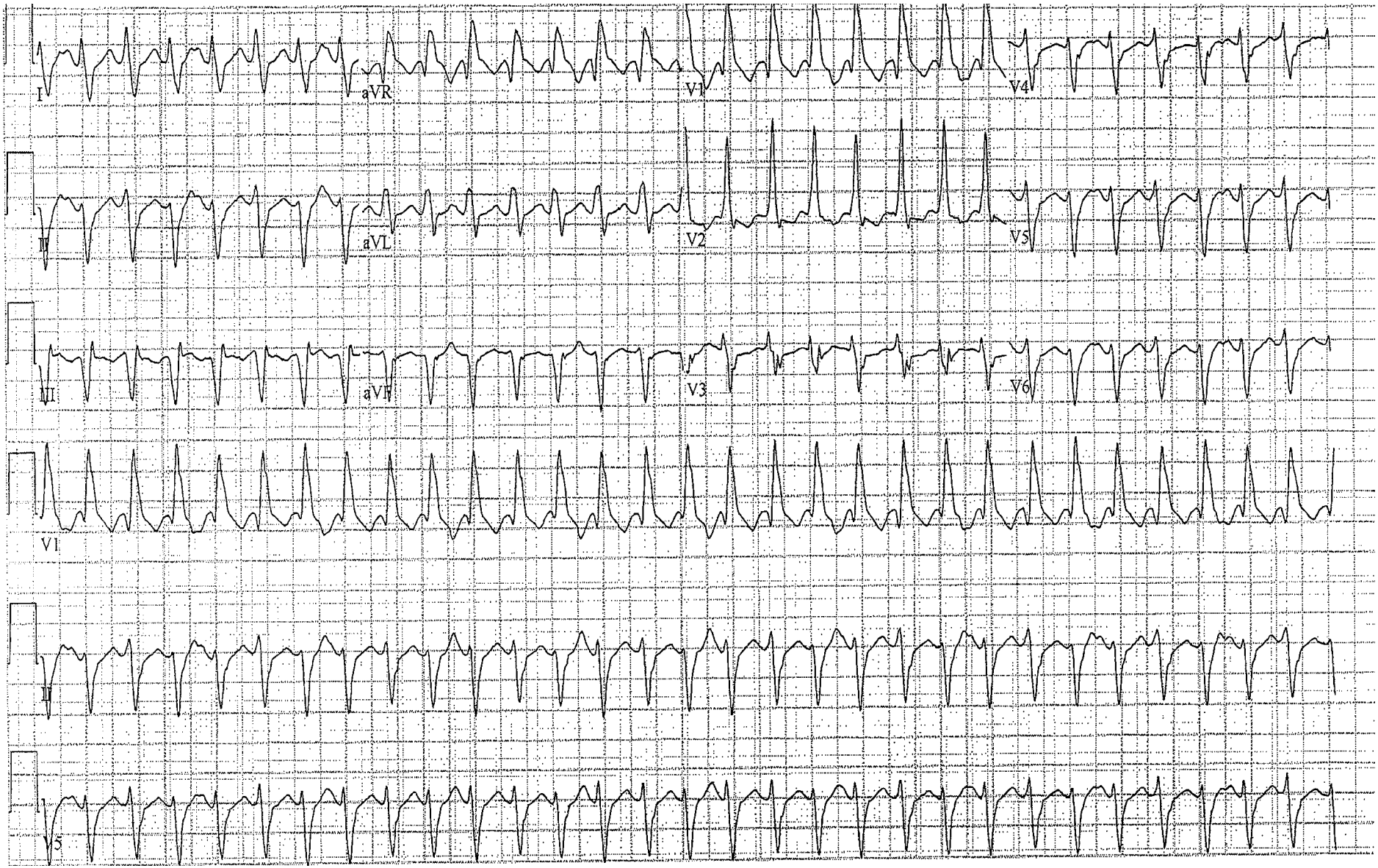


Figure 11.18A.

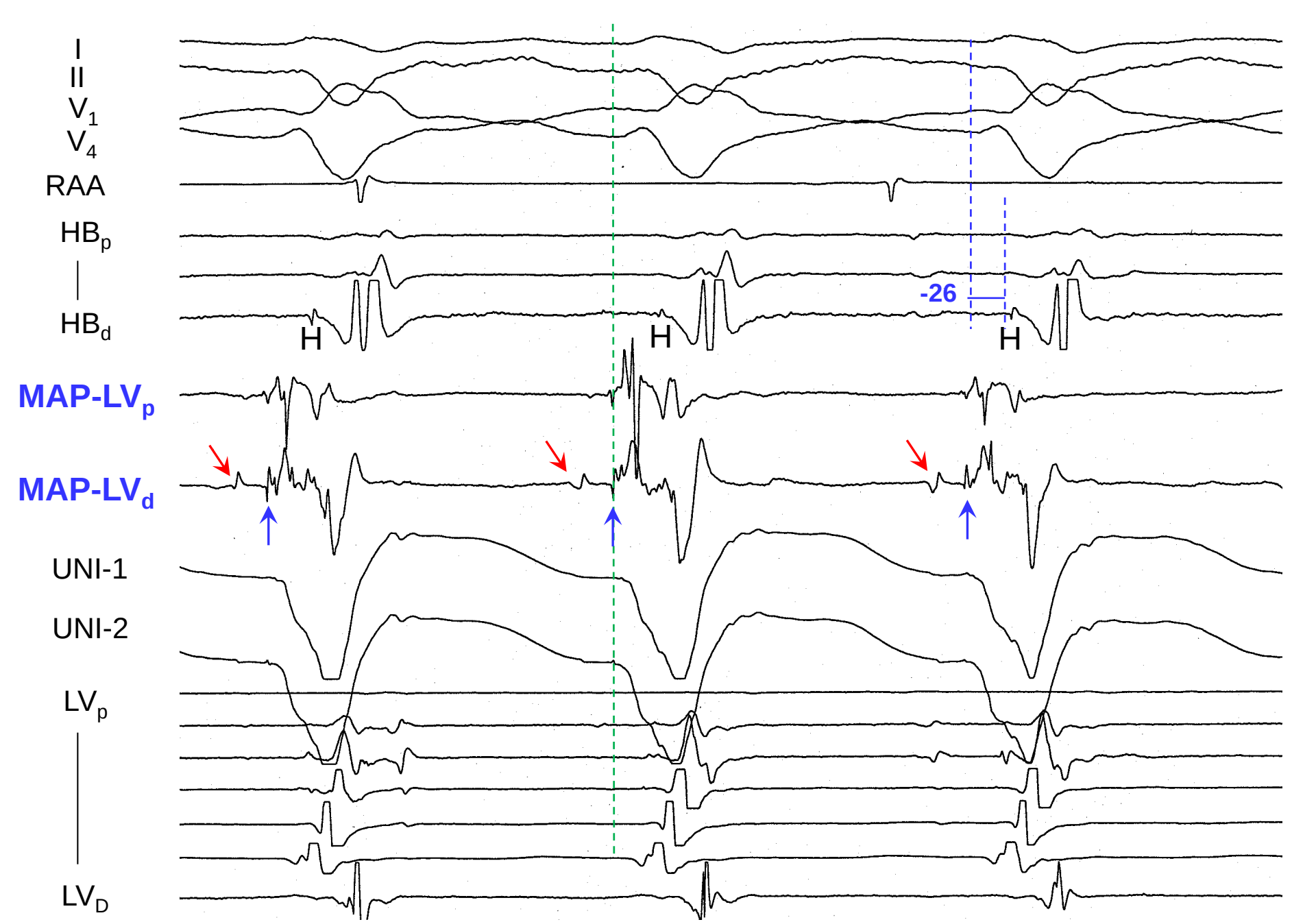


Figure 11.18B.

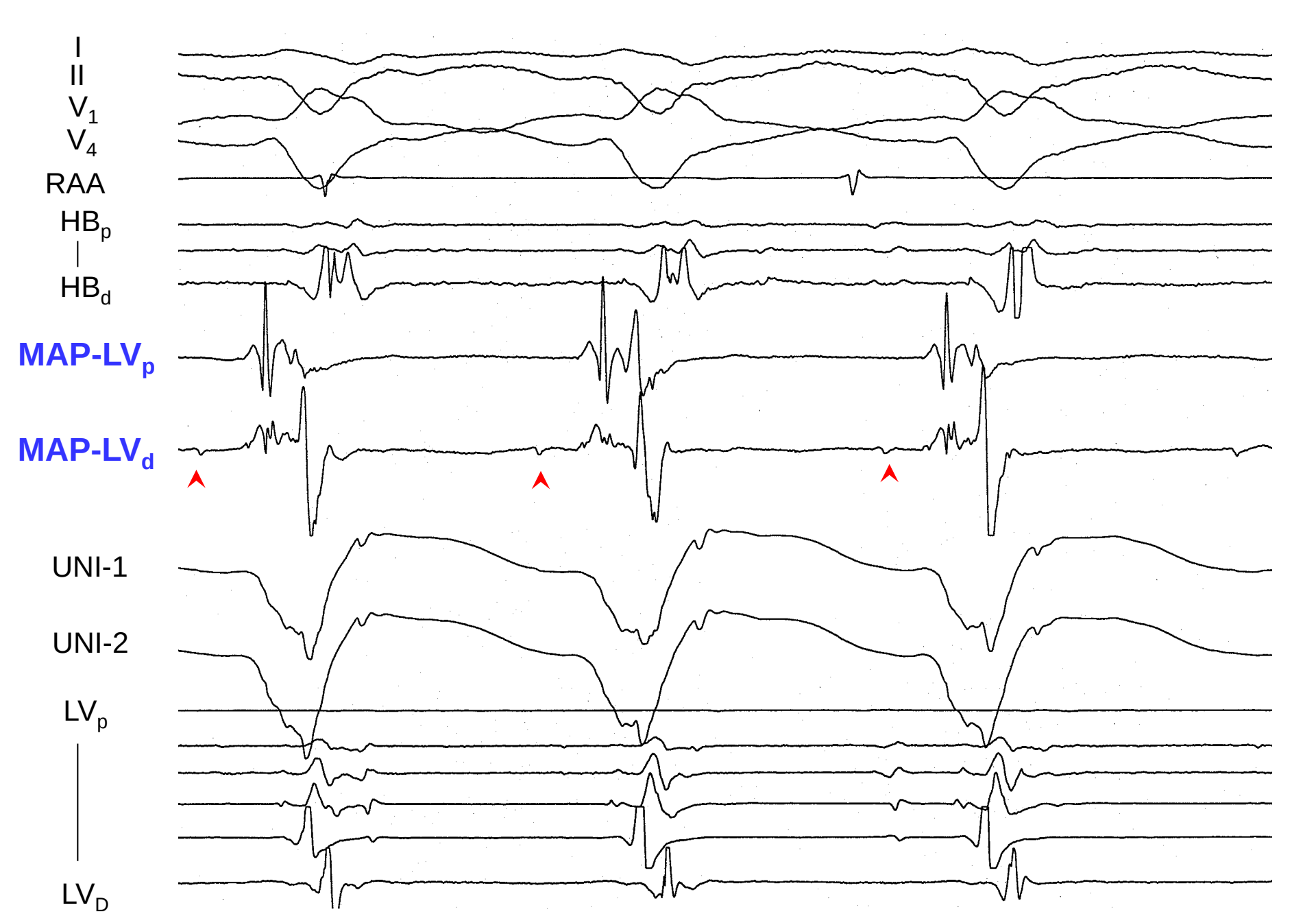


Figure 11.18C.

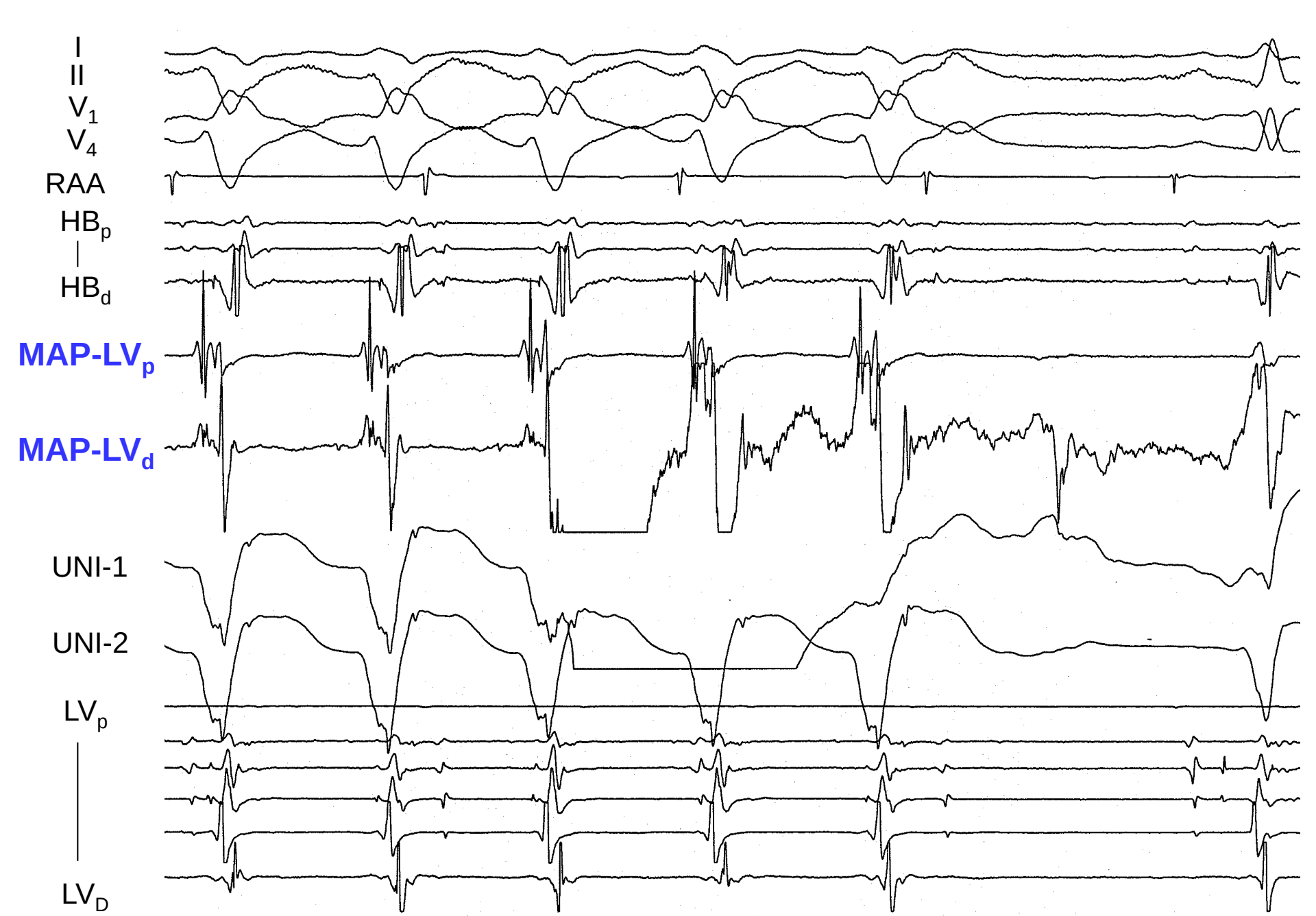
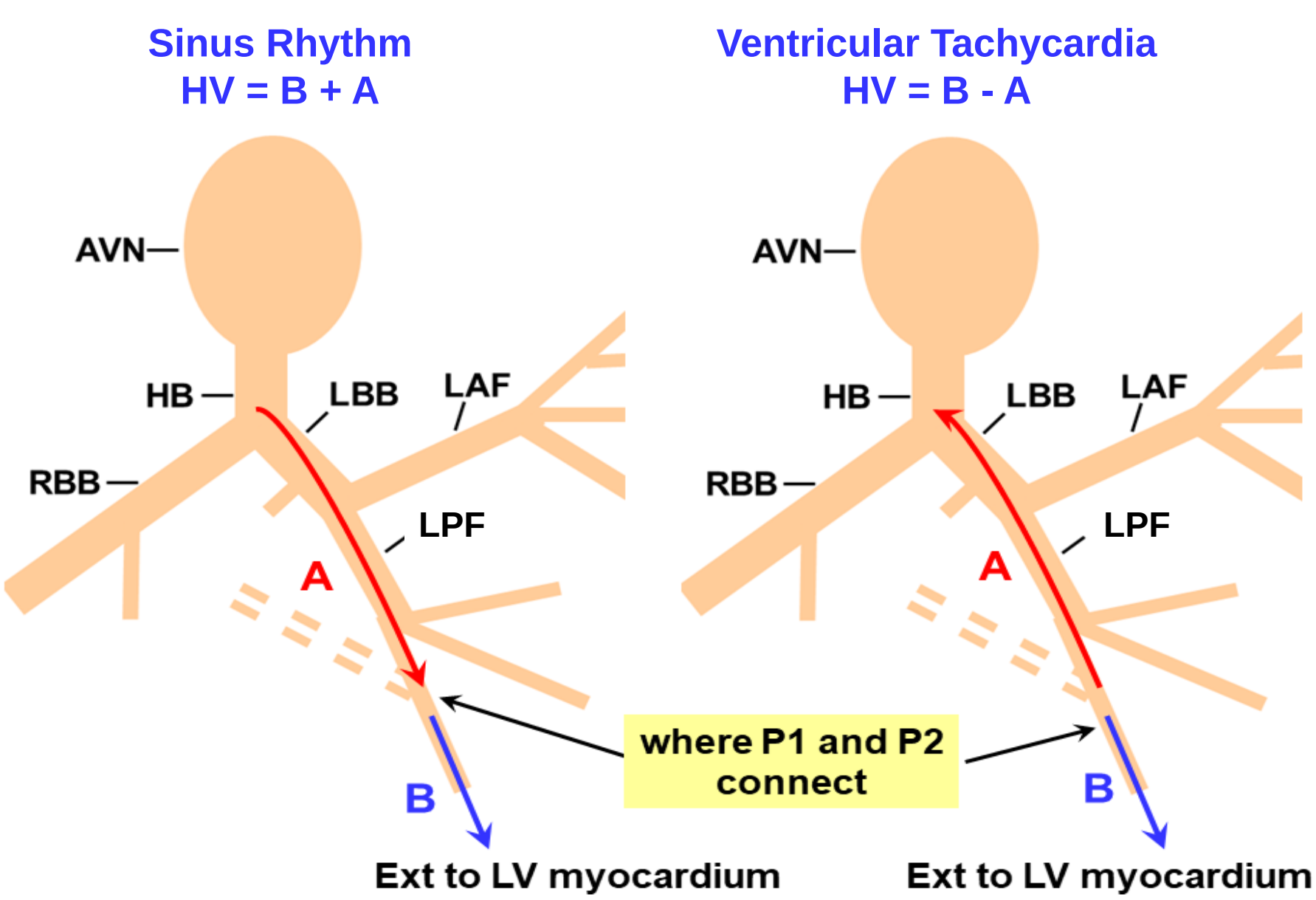


Figure 11.18D.



2 x B = HV in sinus rhythm + HV in VT

Figure 11.19.

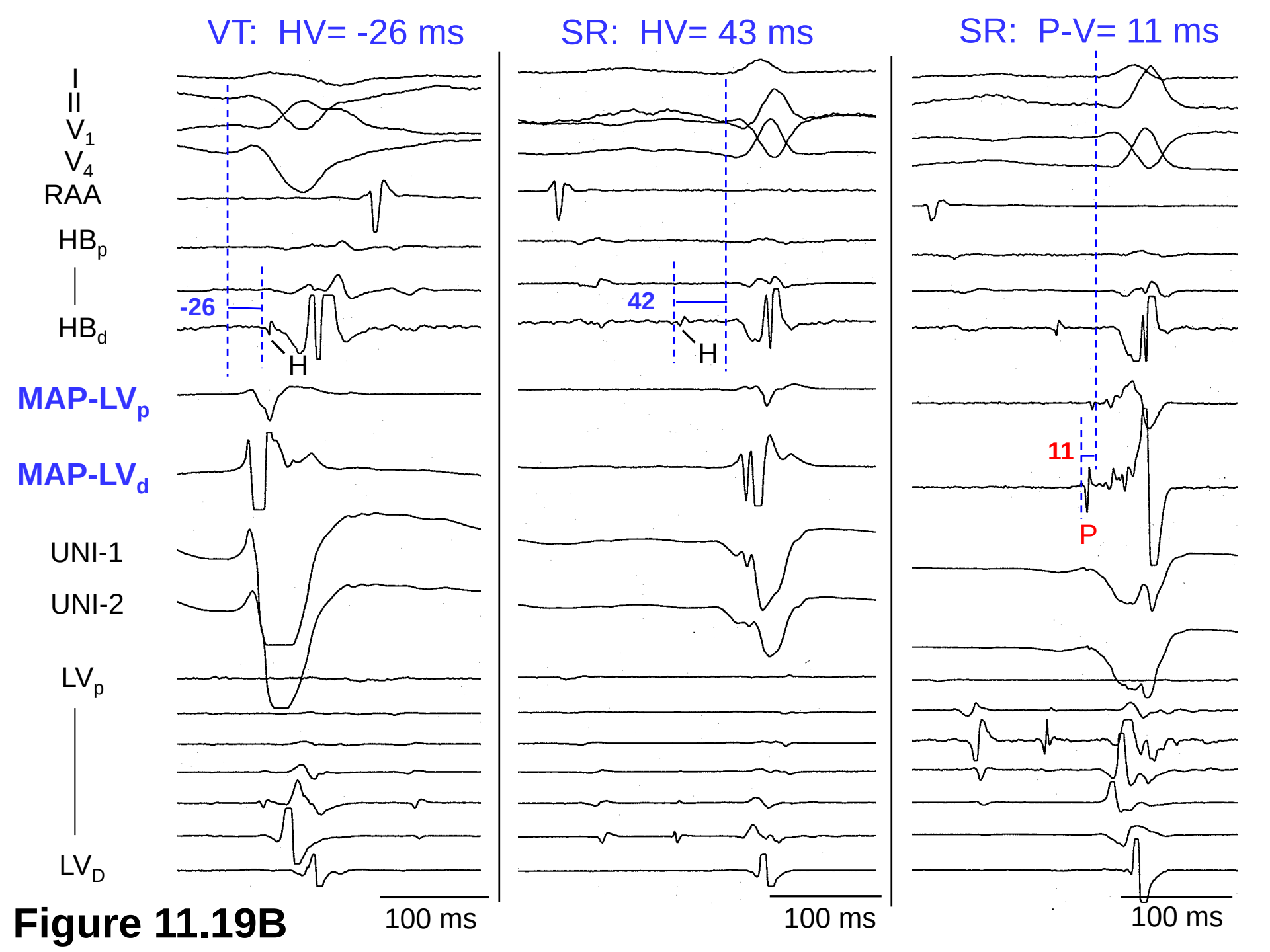


Figure 11.19B

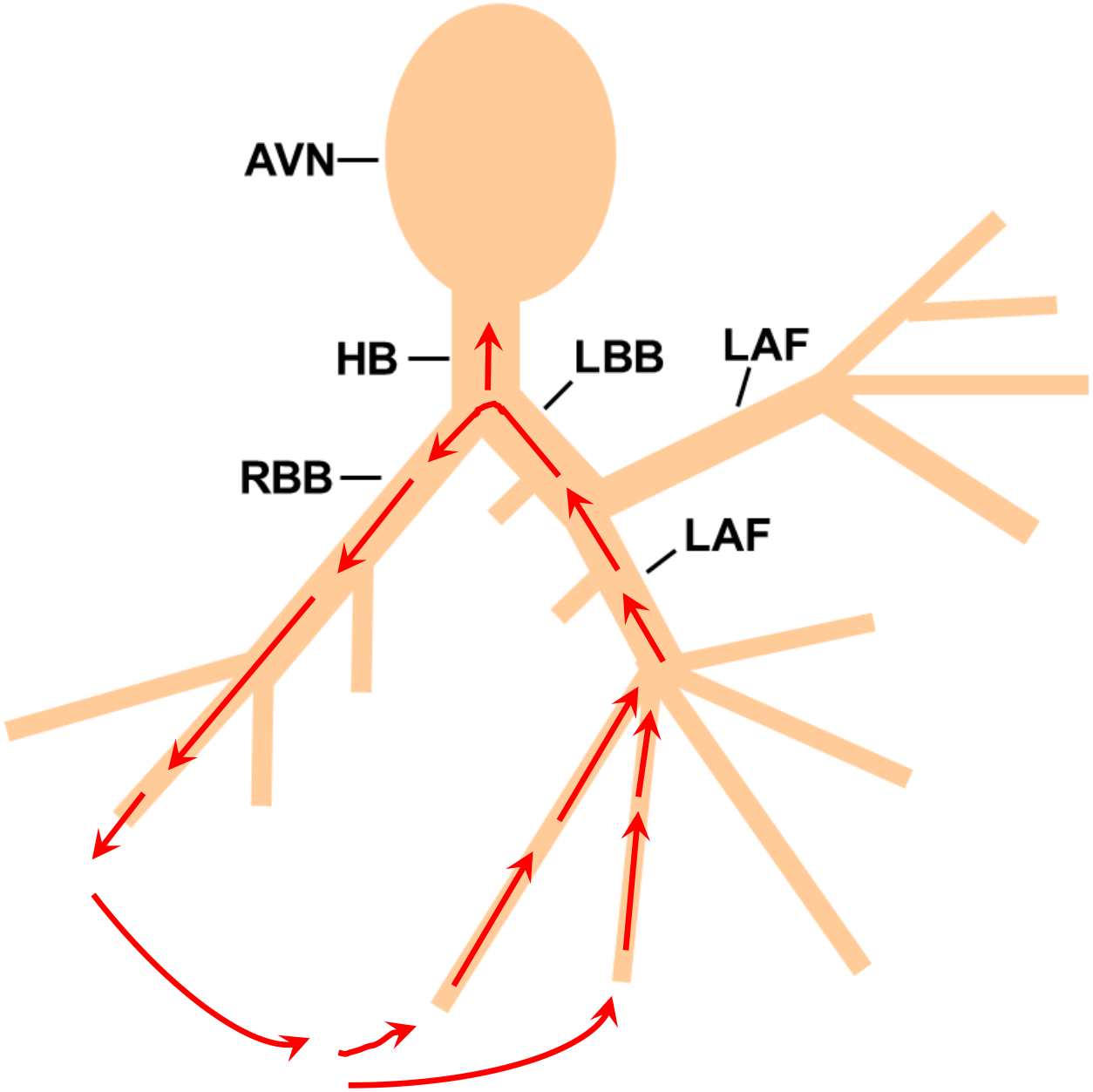


Figure 11.20A.

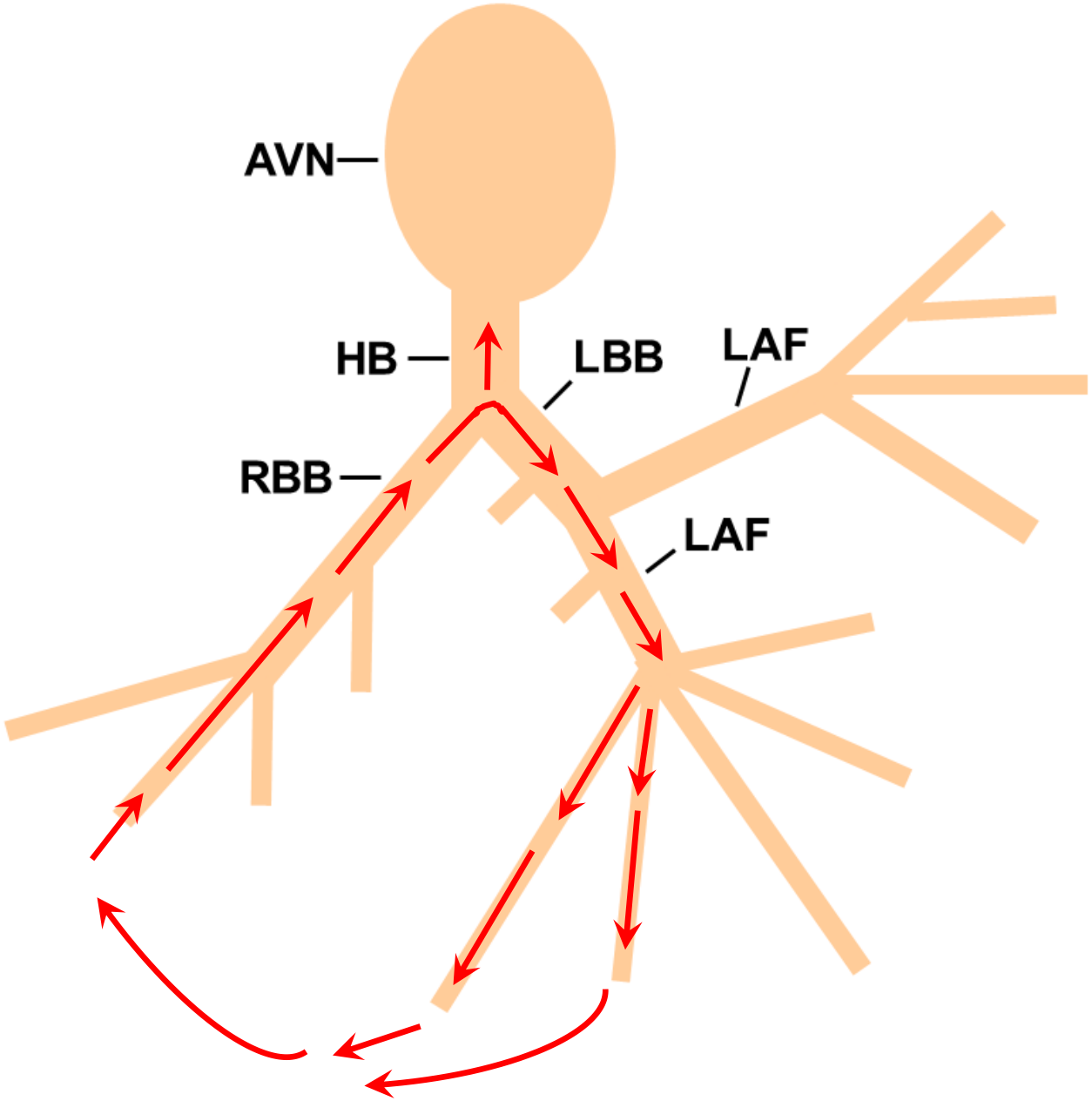


Figure 11.20B.

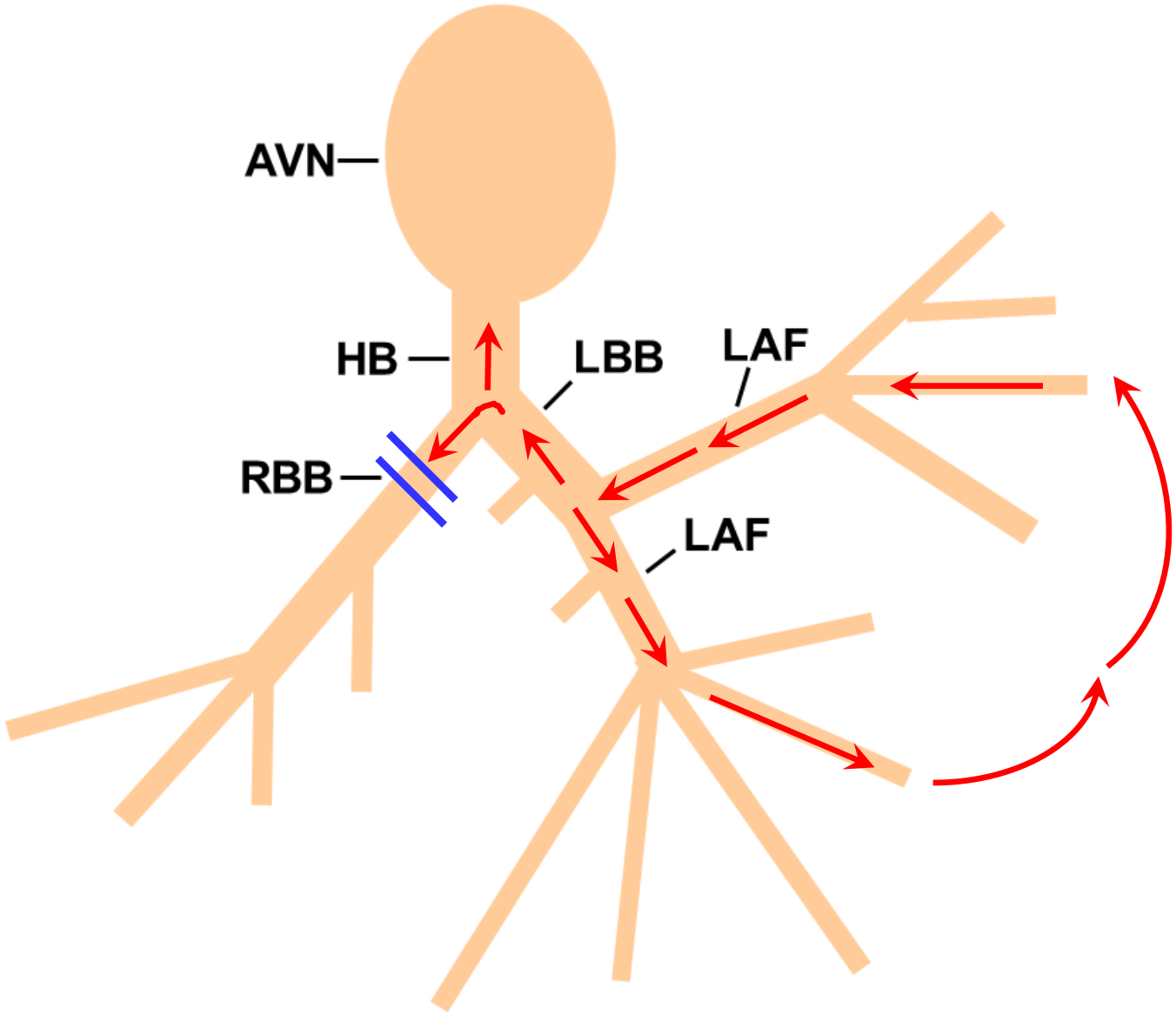


Figure 11.20C.

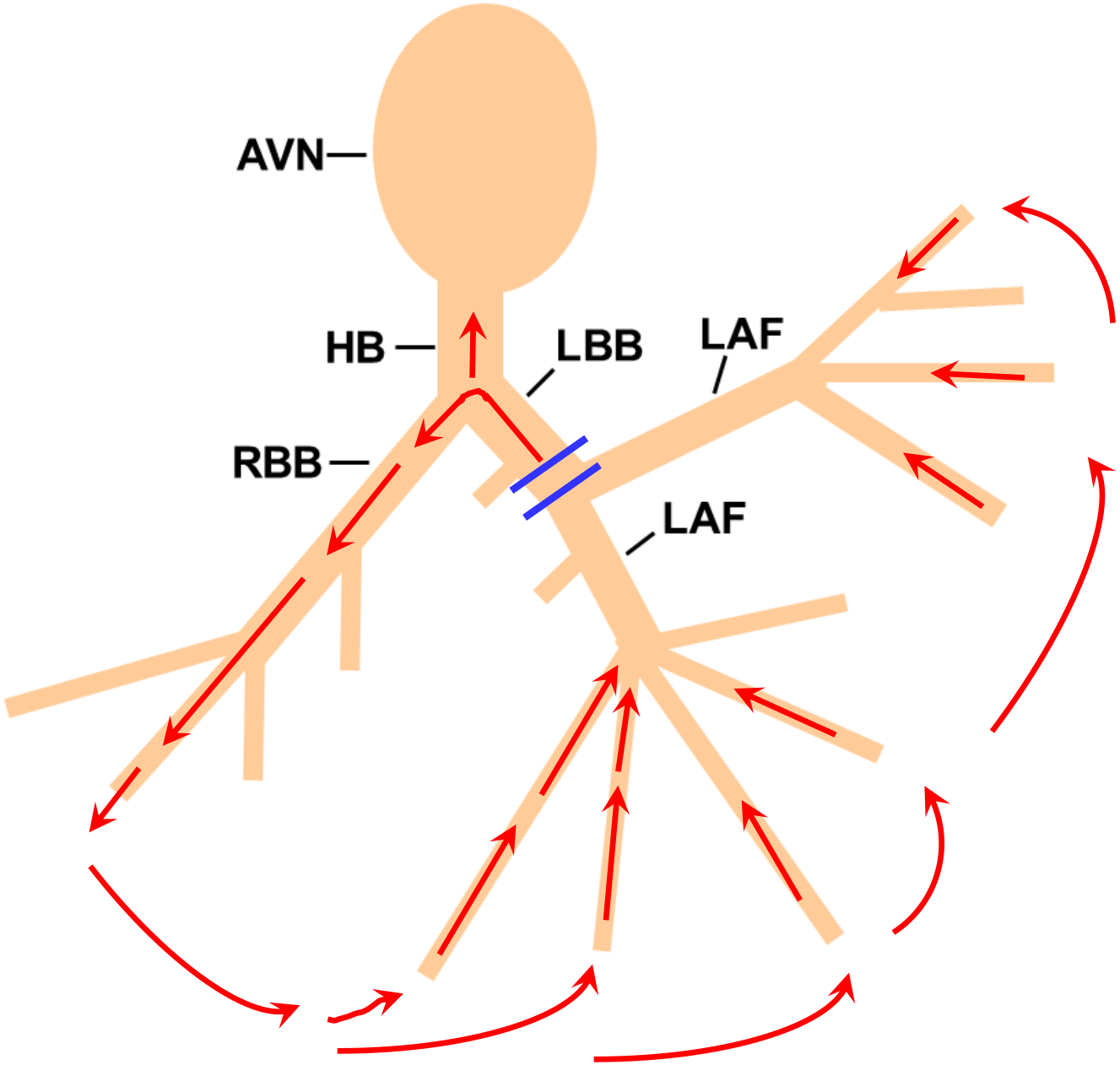
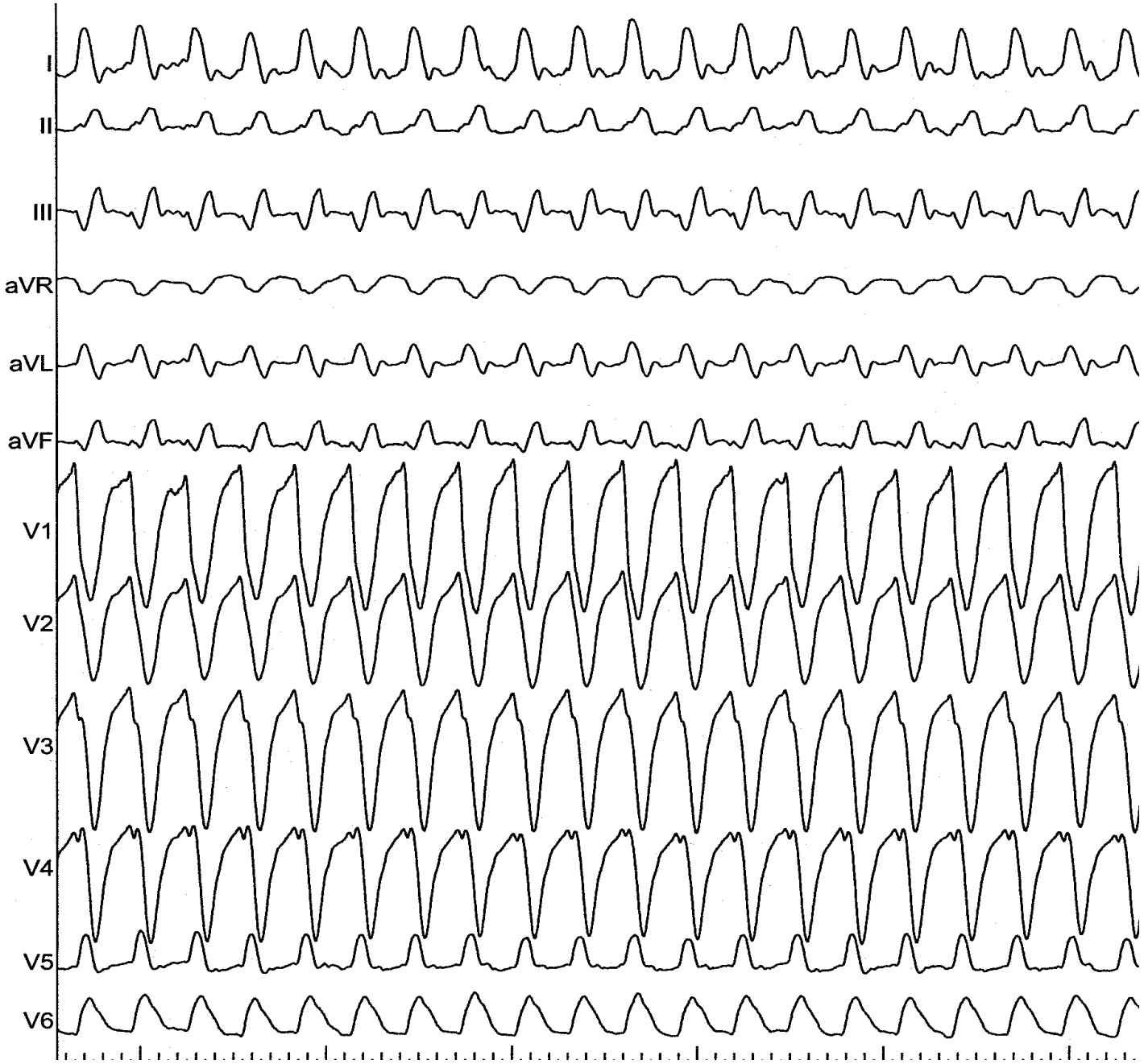


Figure 11.20D.



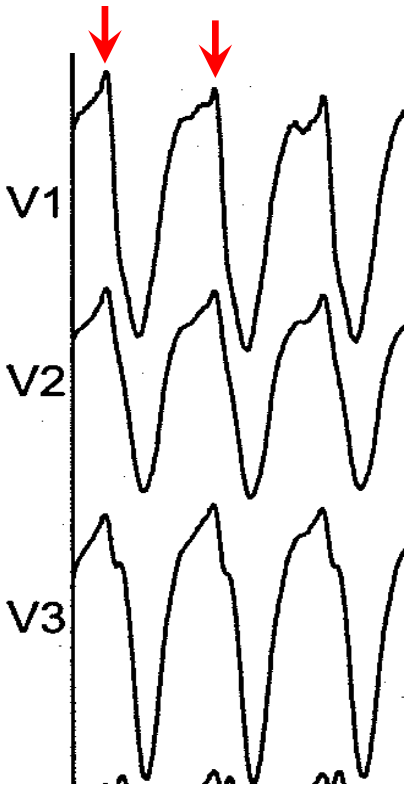


Figure 11.21.A

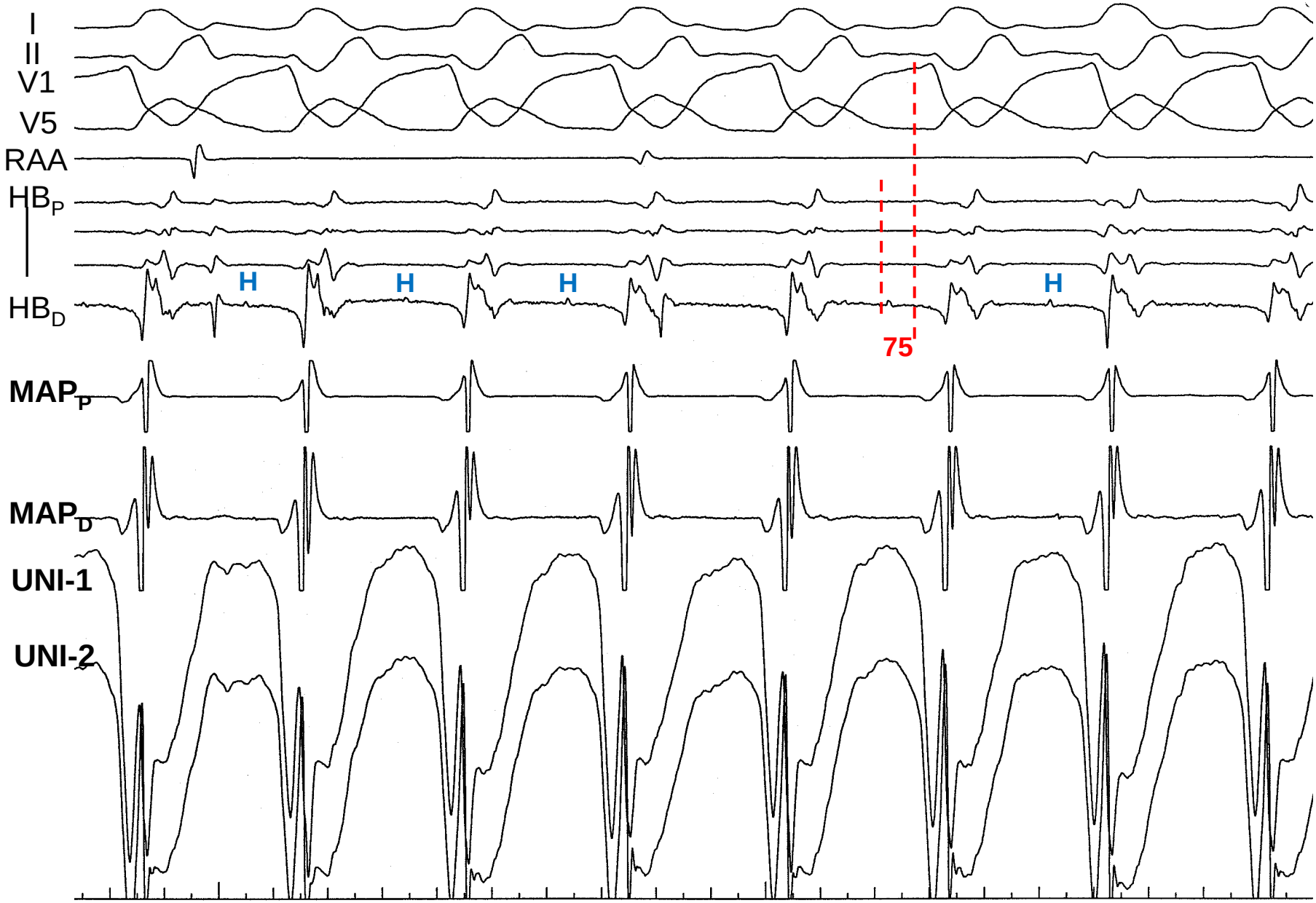


Figure 11.21.B

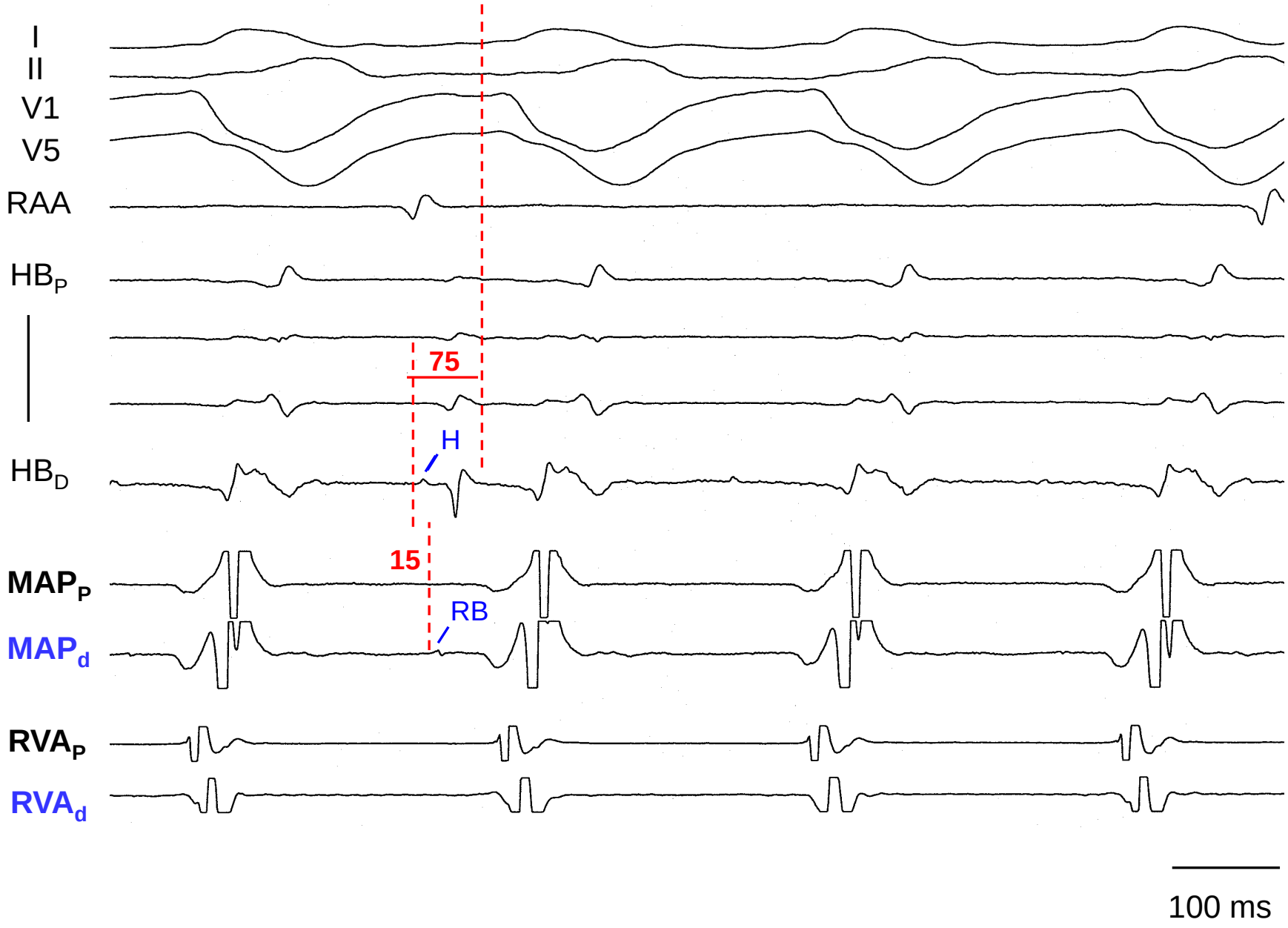


Figure 11.21.C

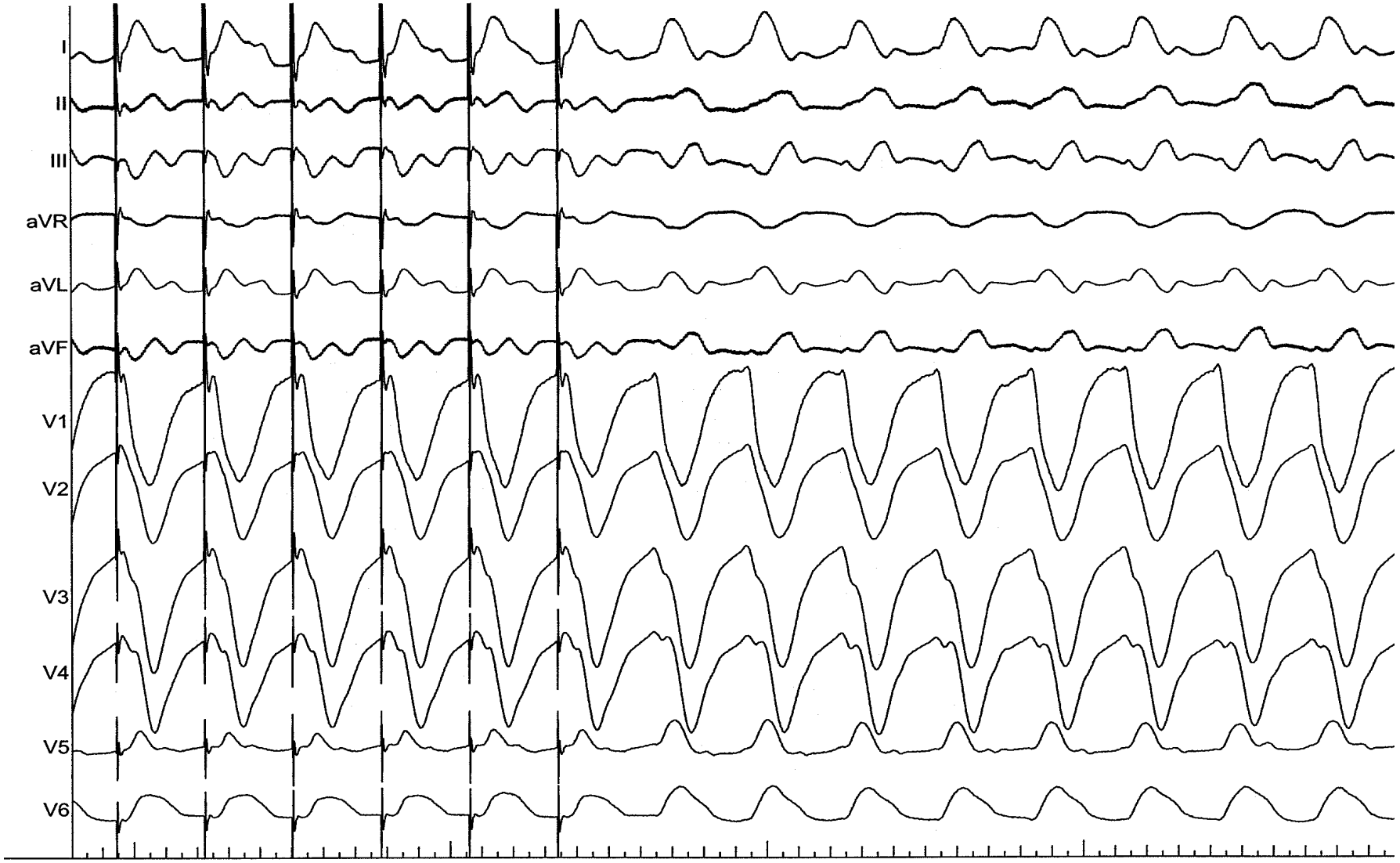


Figure 11.21.D

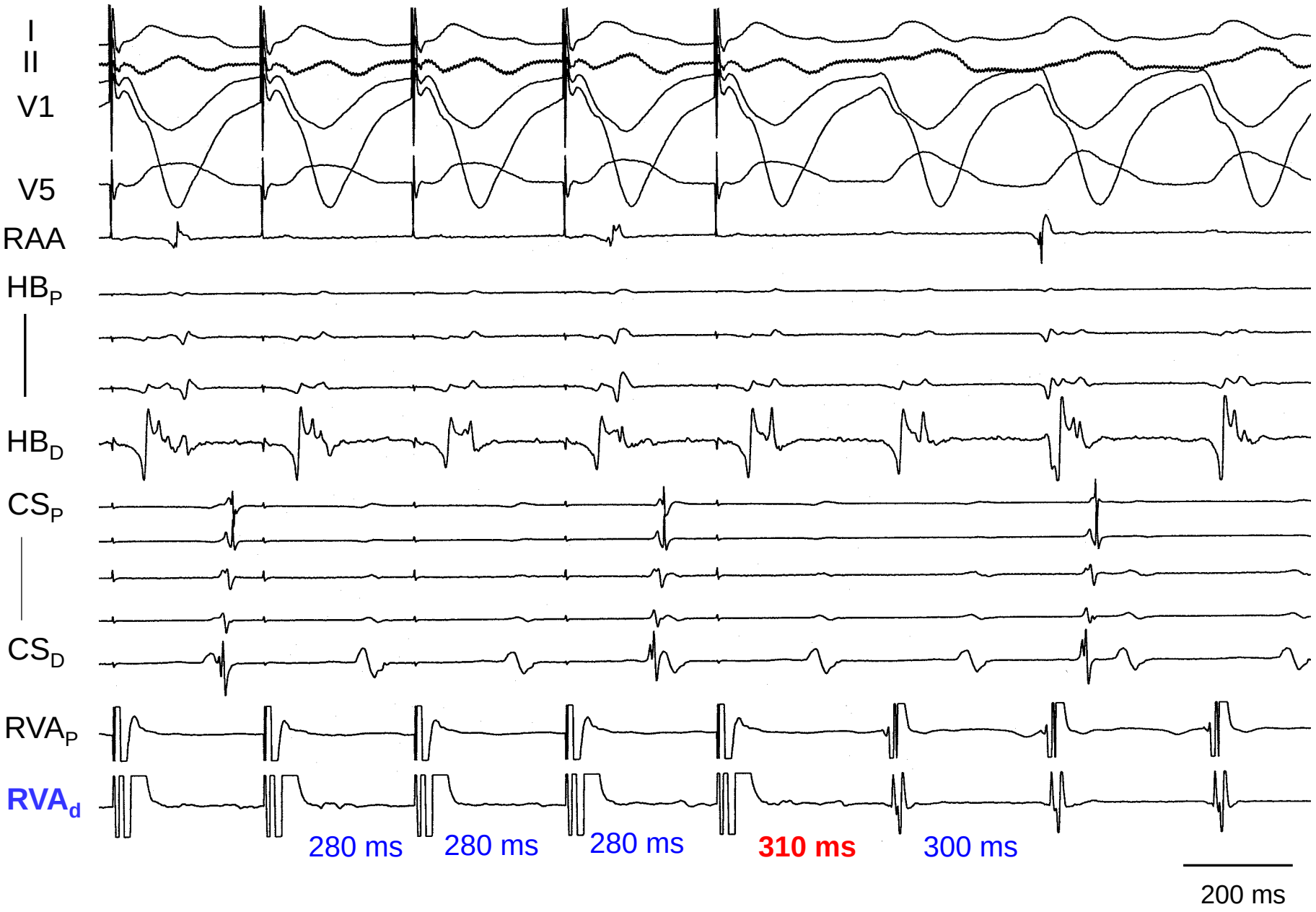


Figure 11.21.E

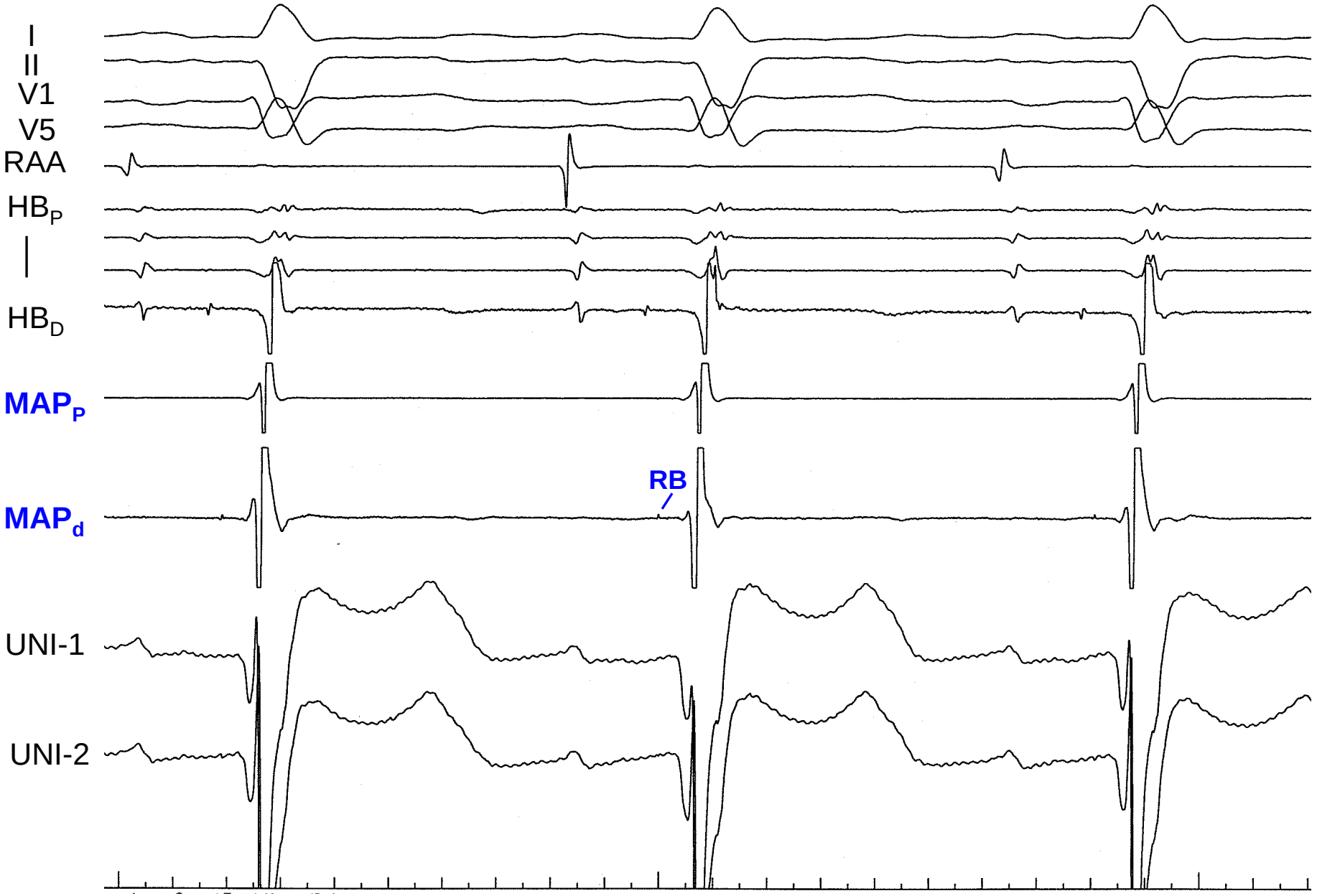


Figure 11.21.F

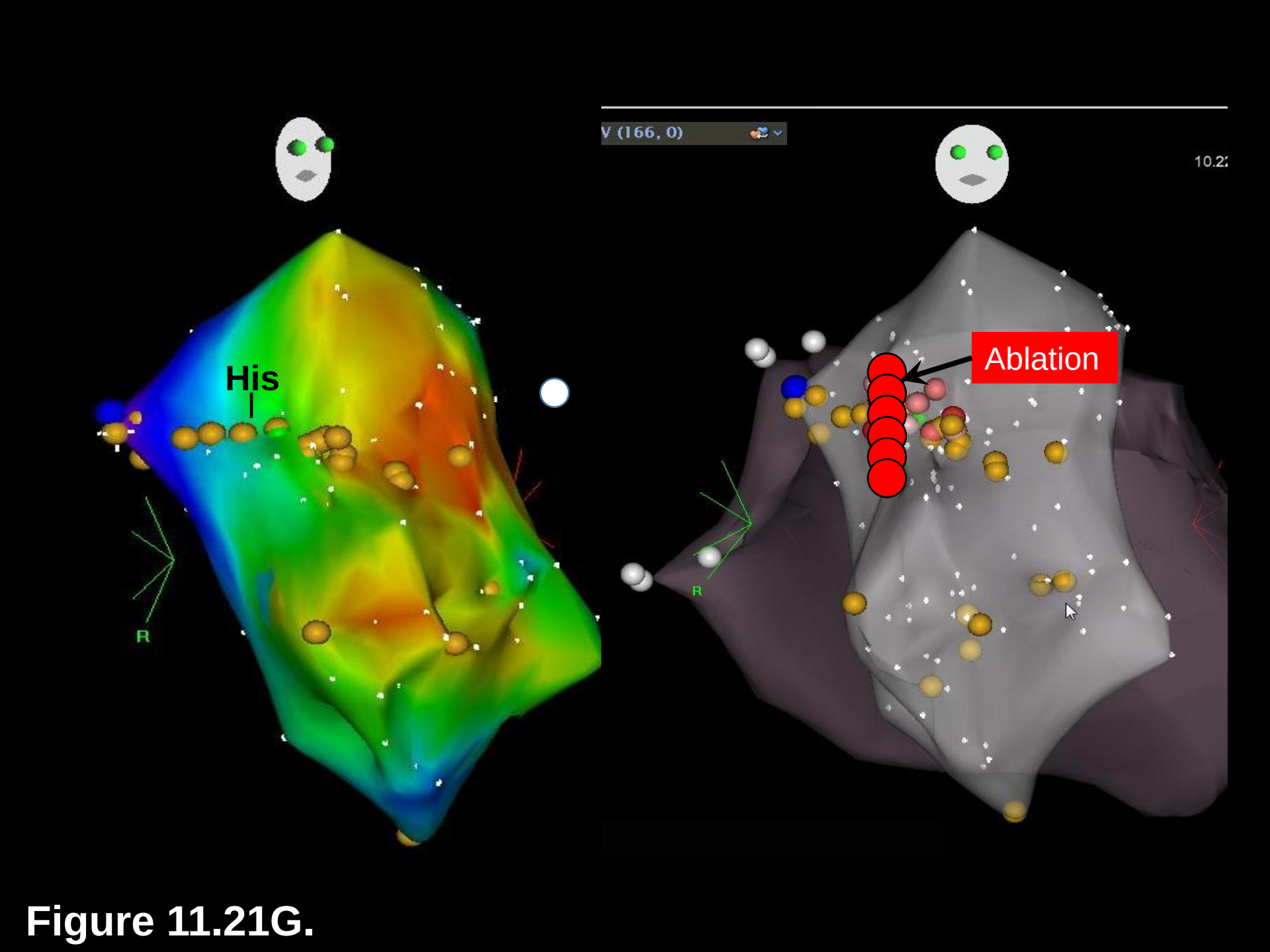


Figure 11.21G.

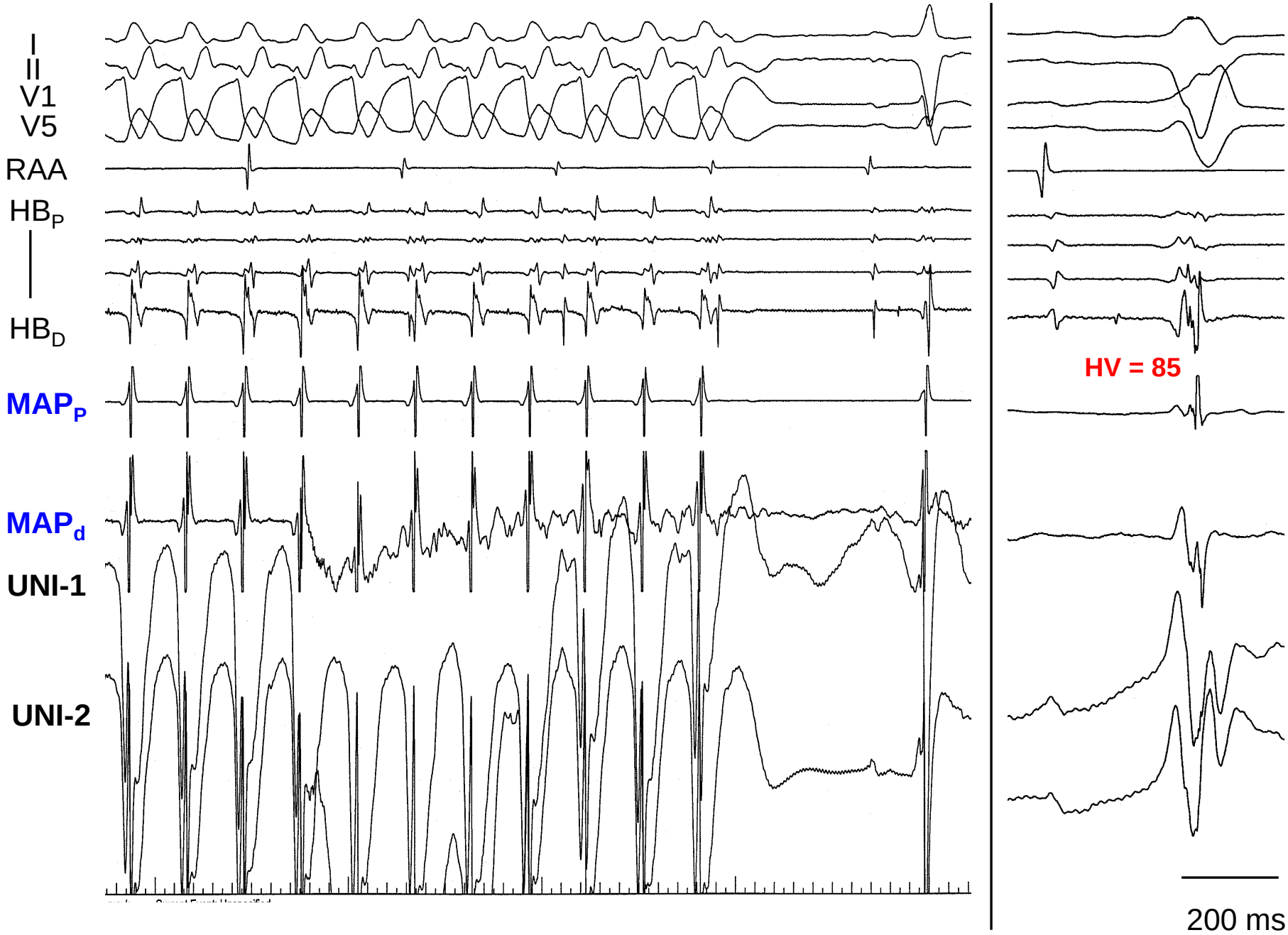


Figure 11.21.H

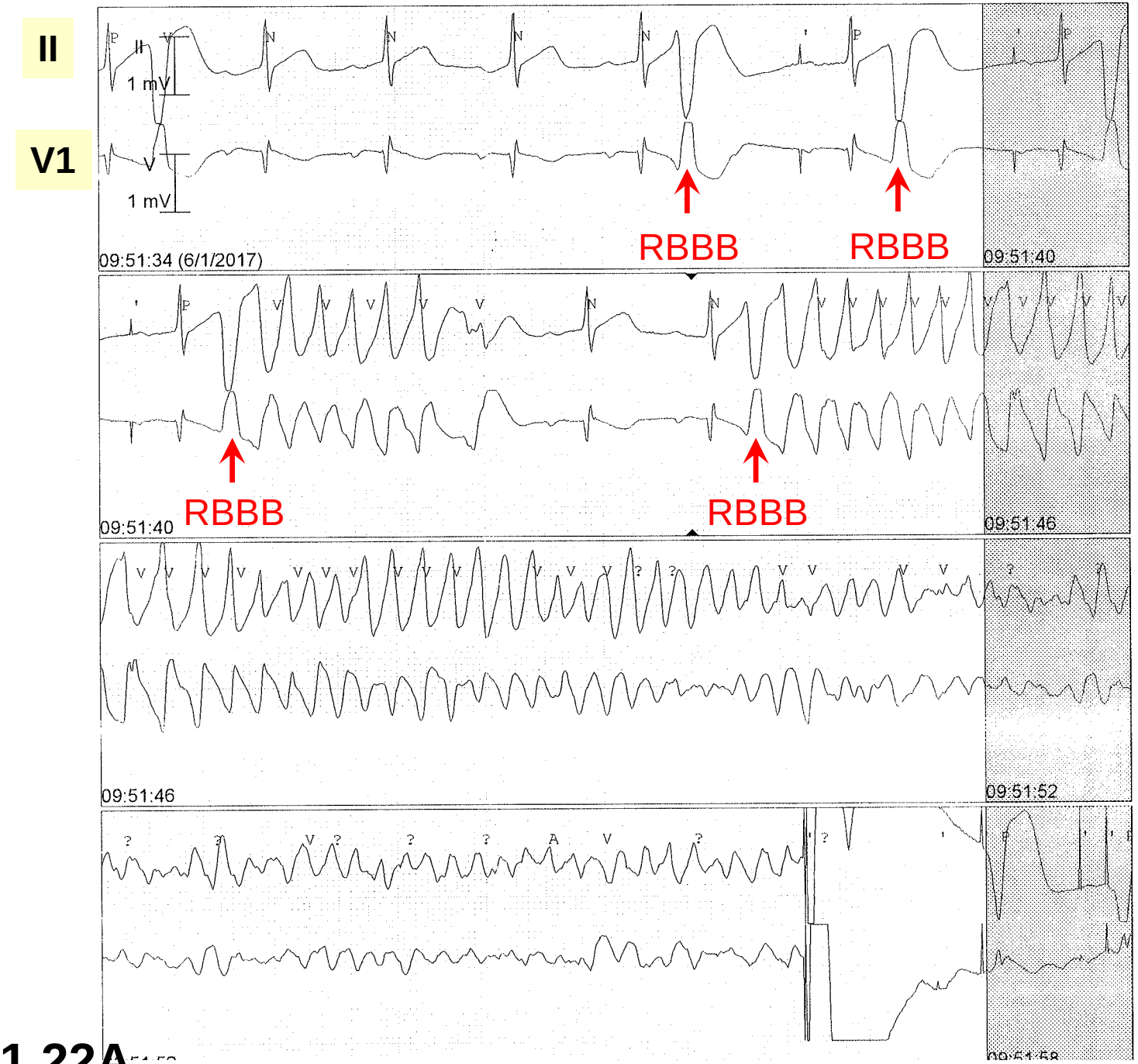


Figure 11.22A.

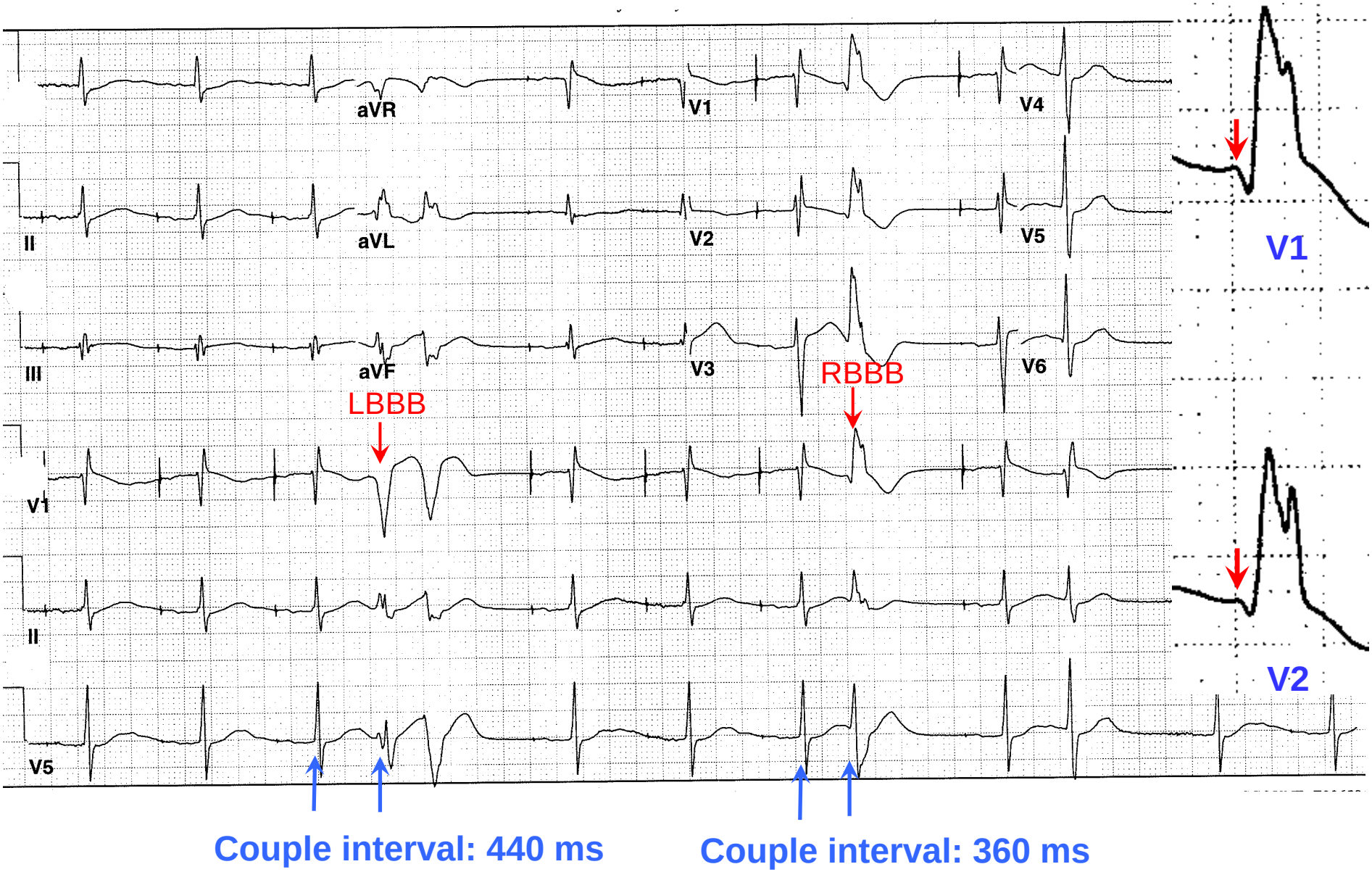


Figure 11.22B.

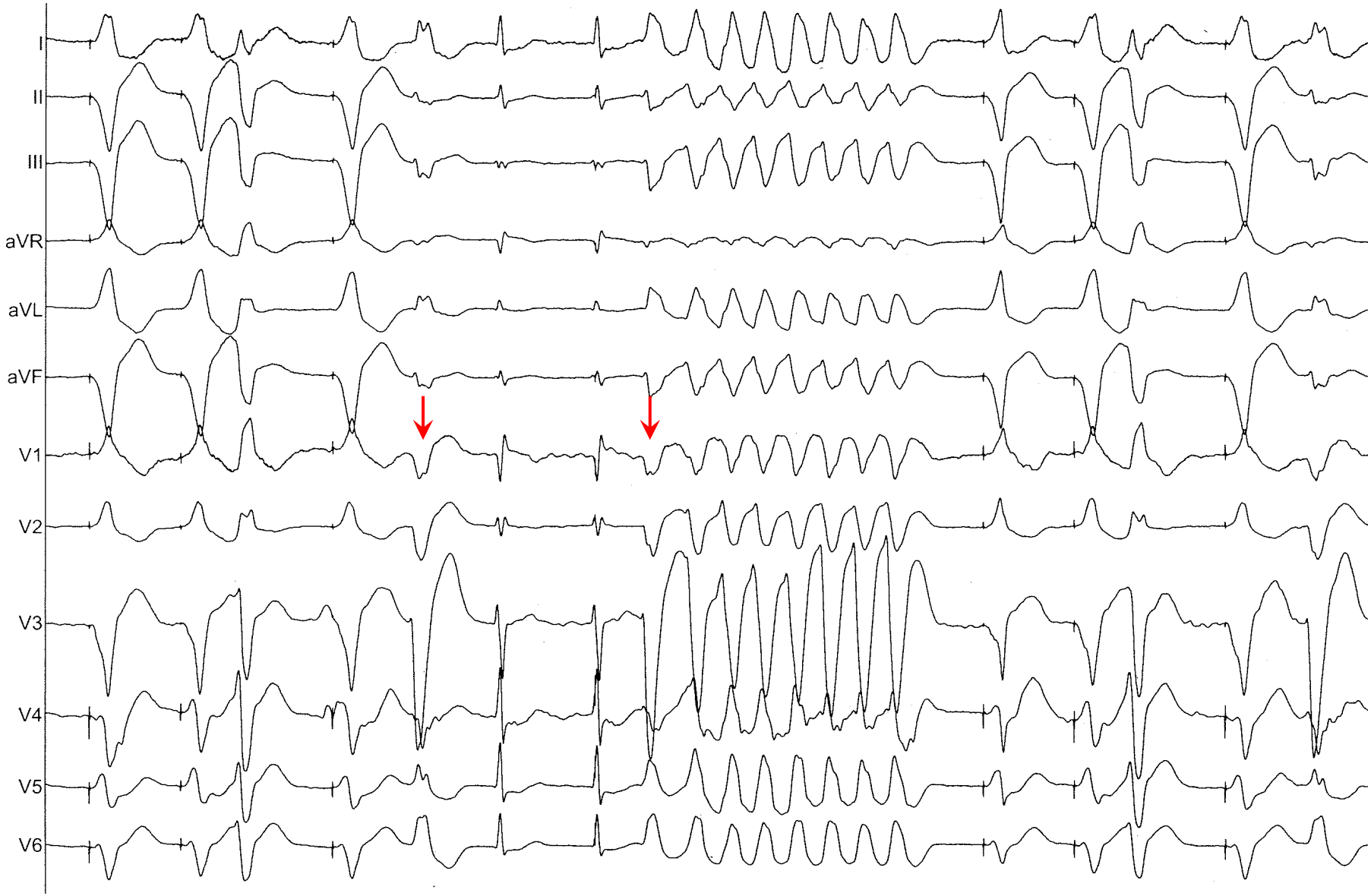


Figure 11.22C.

Figure 11.22D.

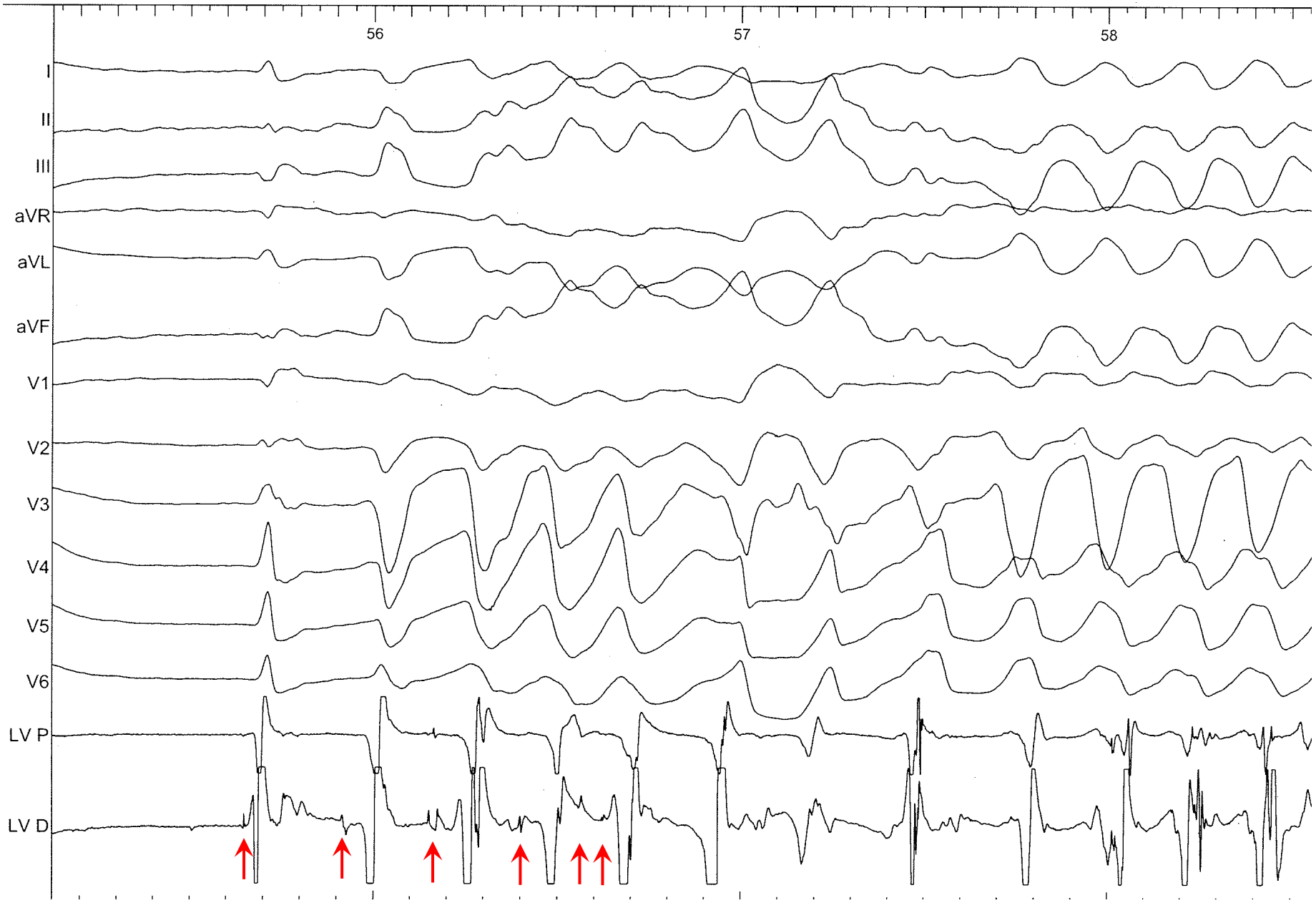


Figure 11.22E.

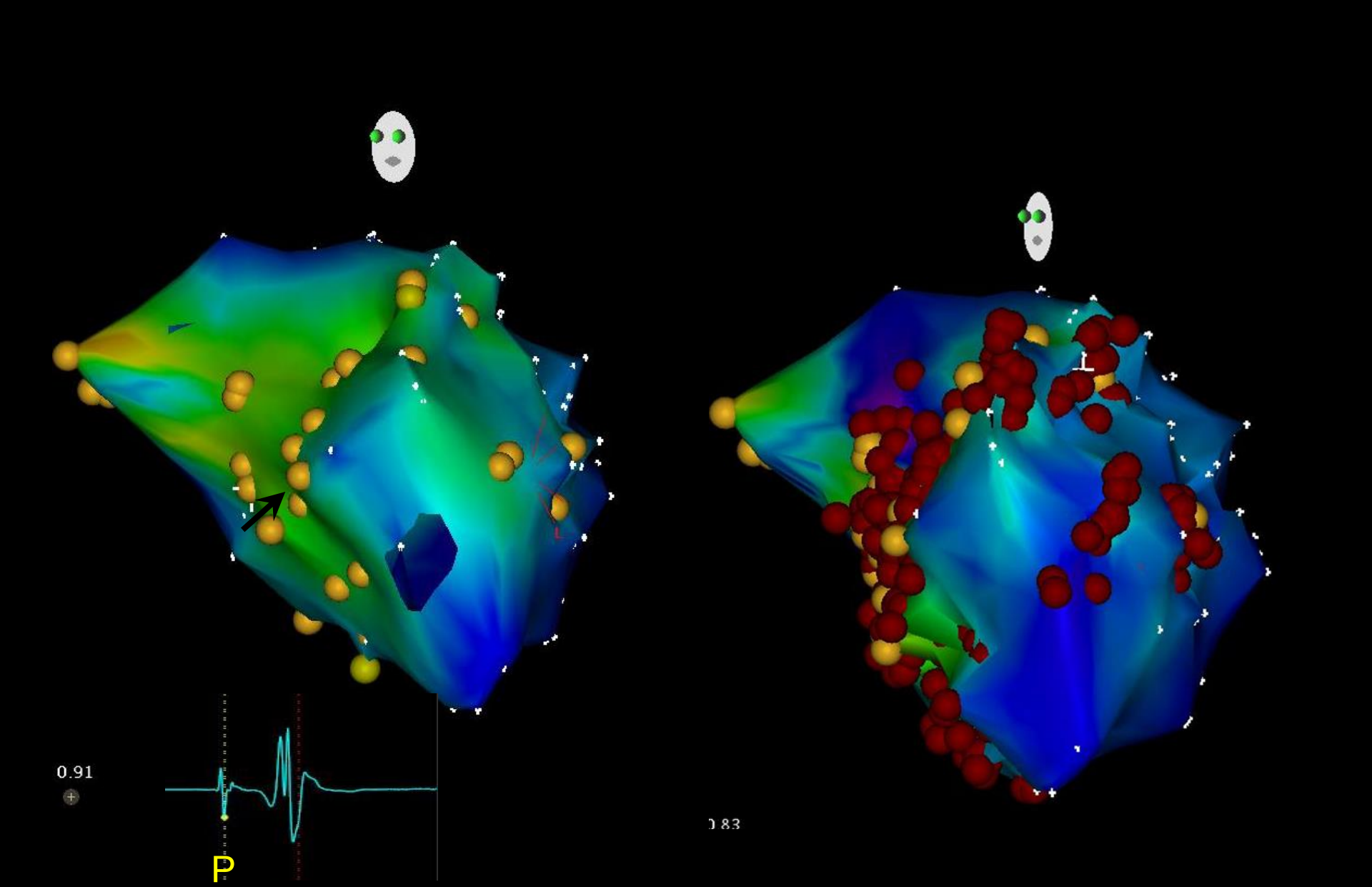


Figure 11.22F