

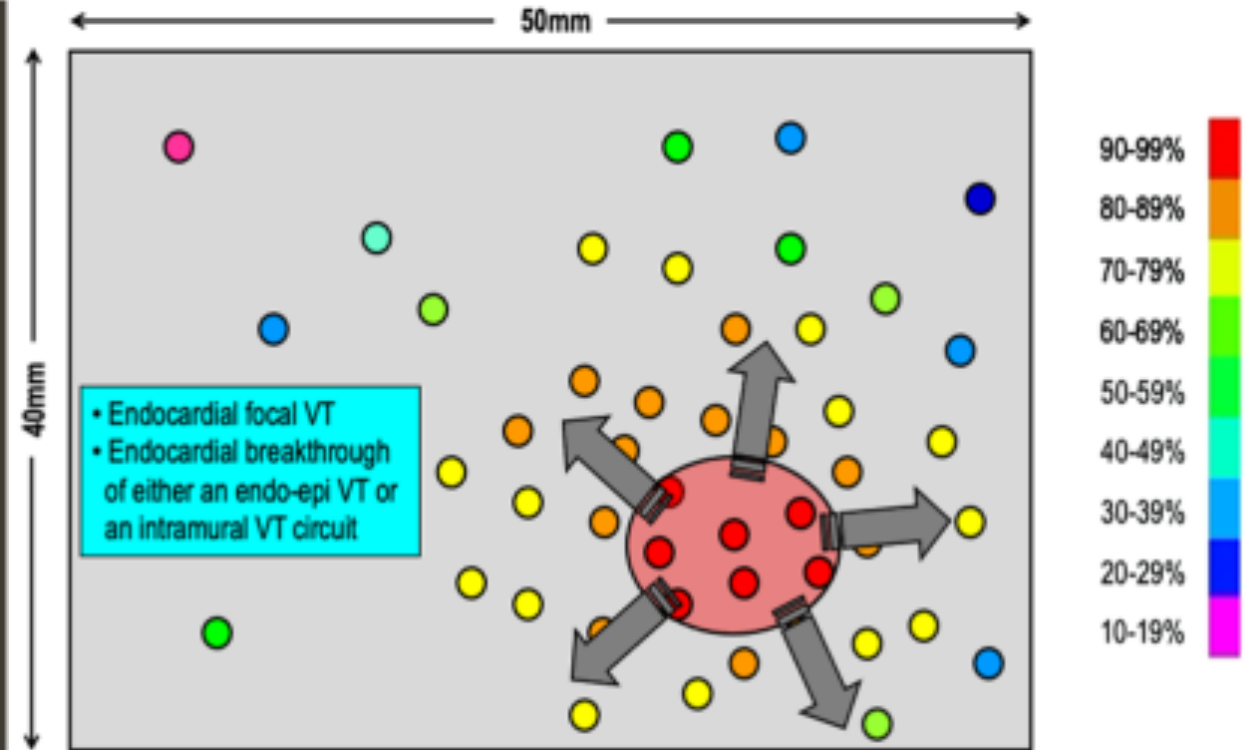
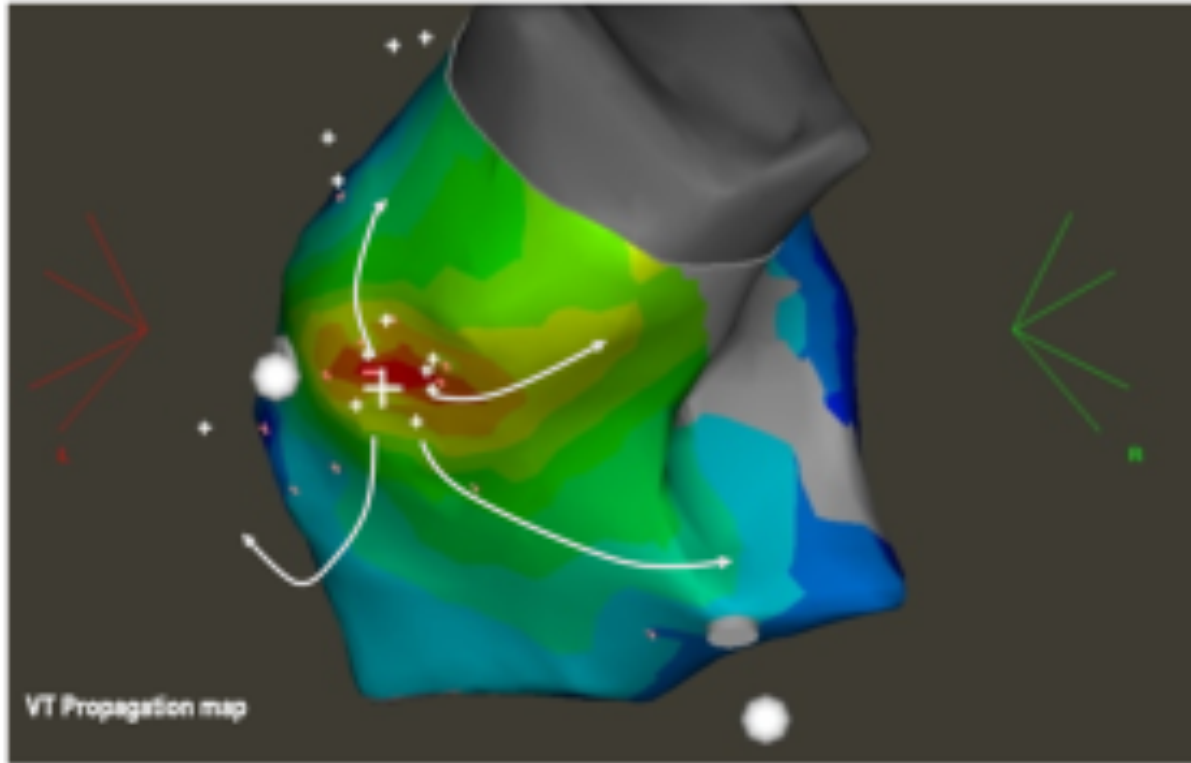
Hemodinamik Unstabil VT'de Haritalama

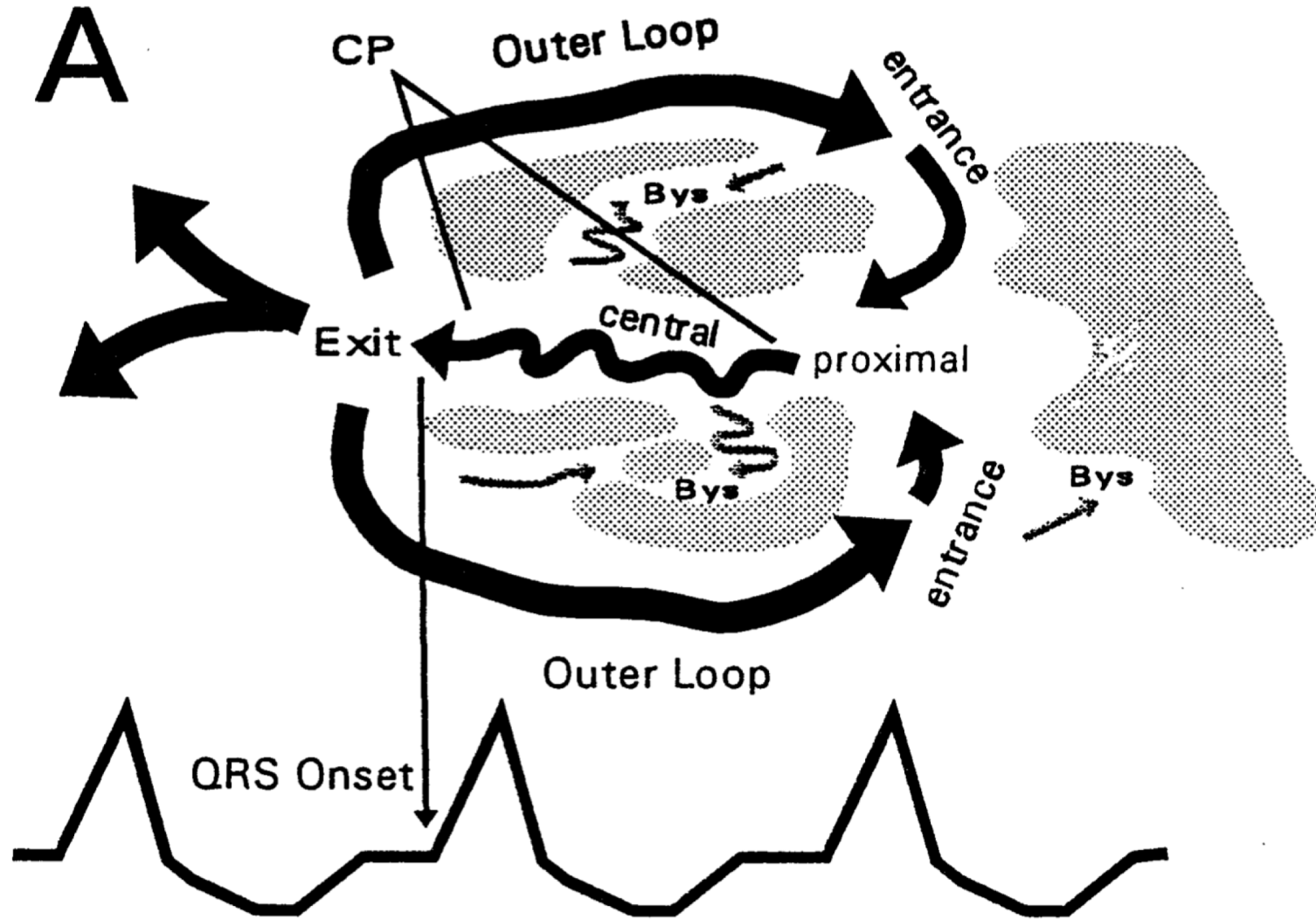
(PACE MAP, Stratejik Haritalama)

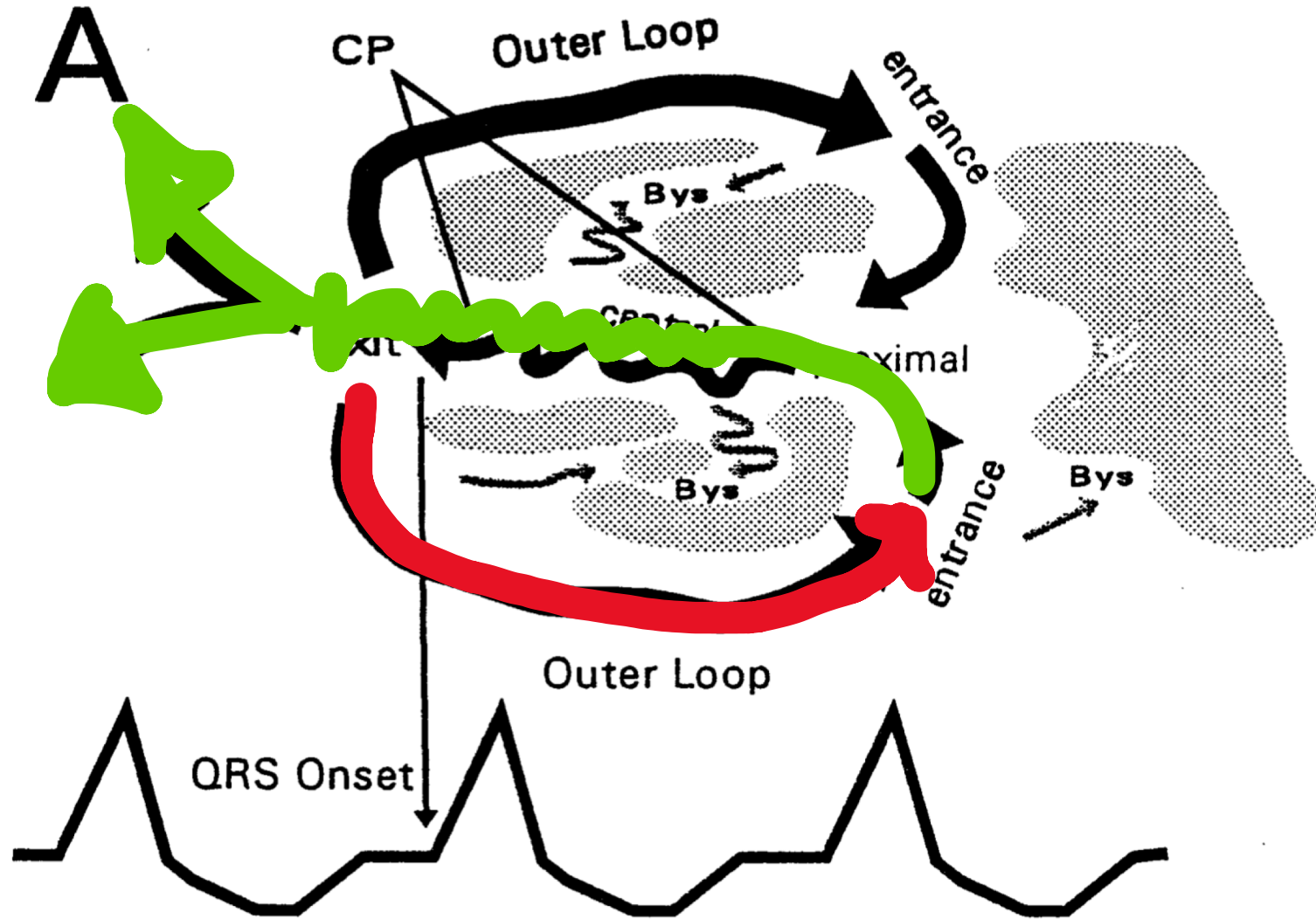
Dr. Emin Evren Özcan, PhD.

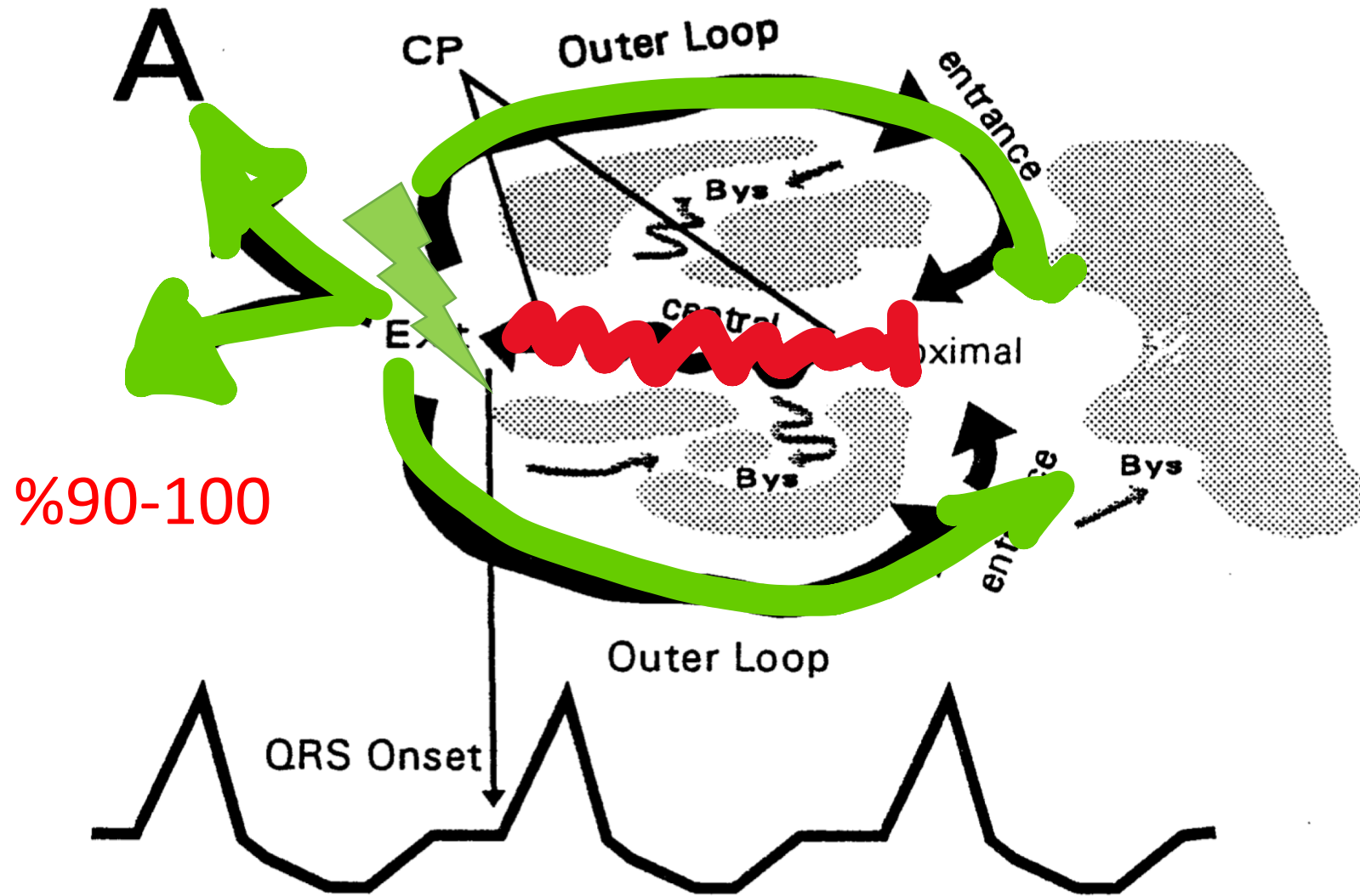
Dokuz Eylül Üniversitesi
Kalp Ritim Bozuklukları Araştırma ve Uygulama Merkezi

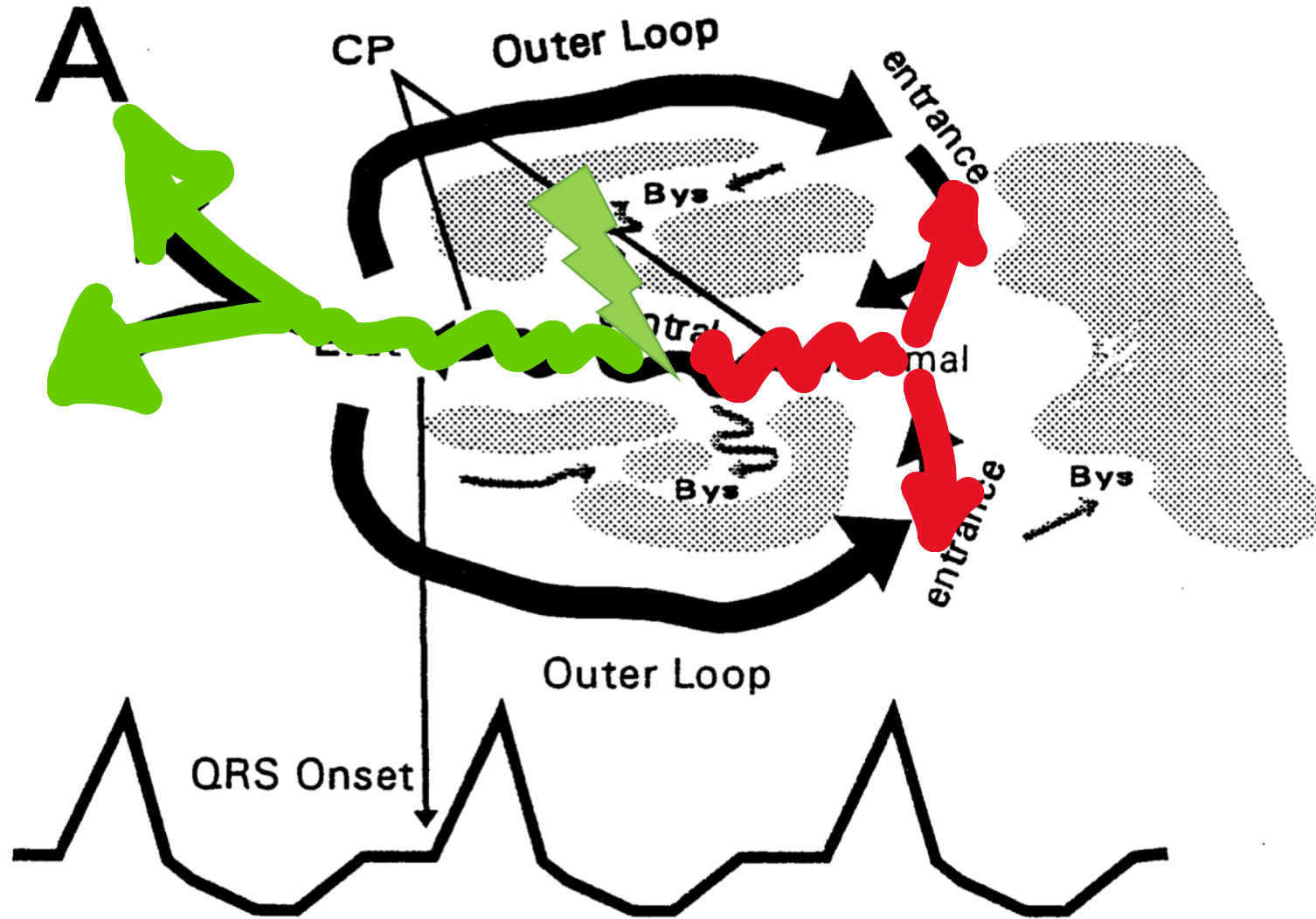
Pace Mapping Focal Pattern

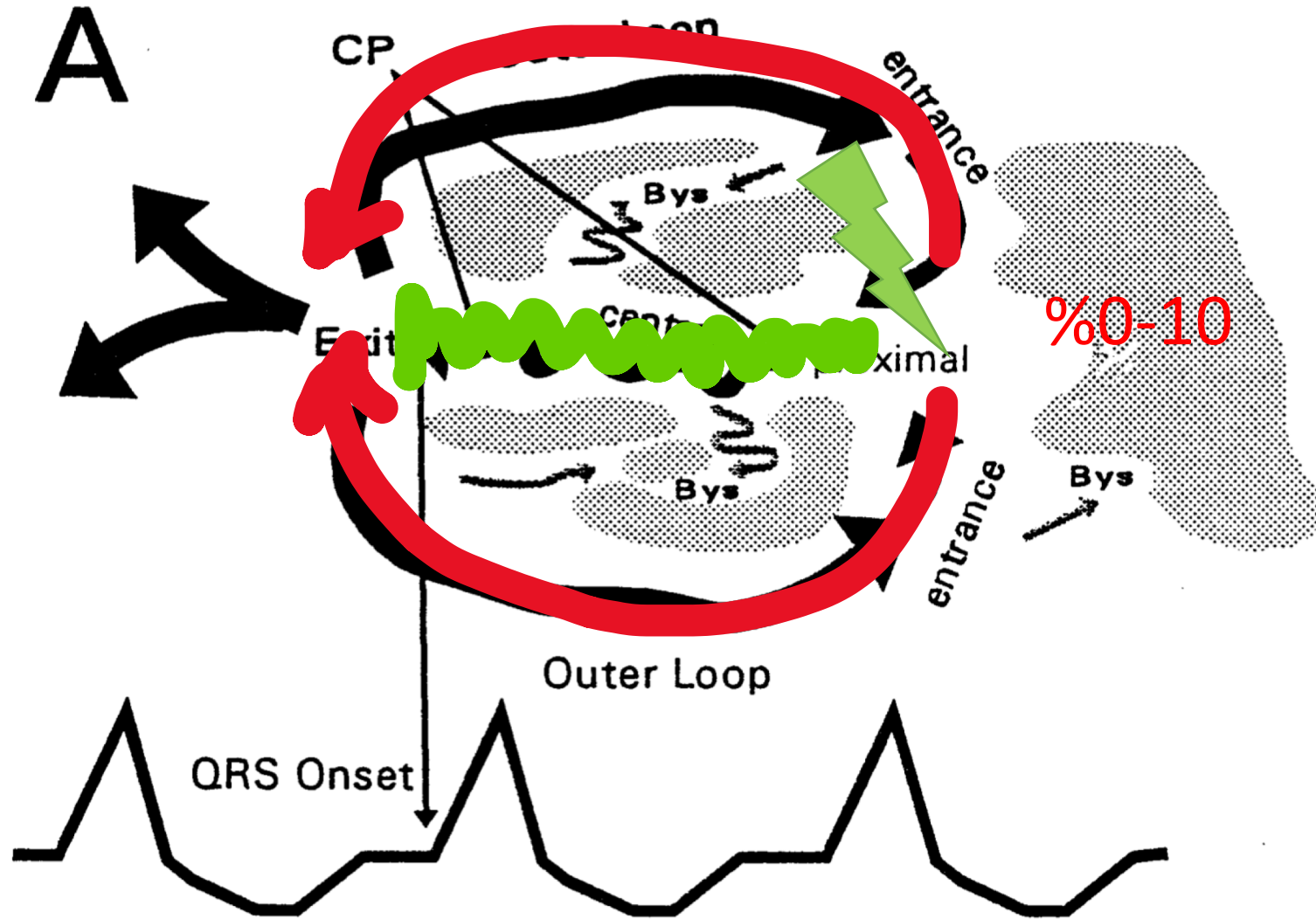






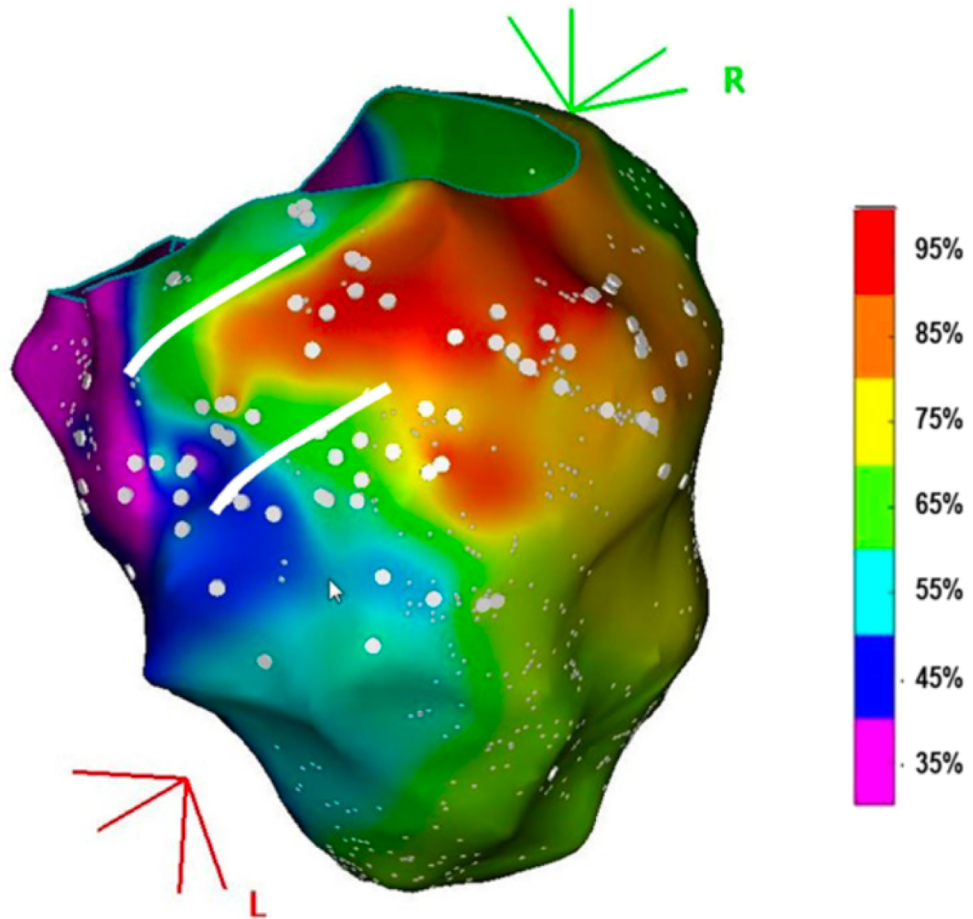




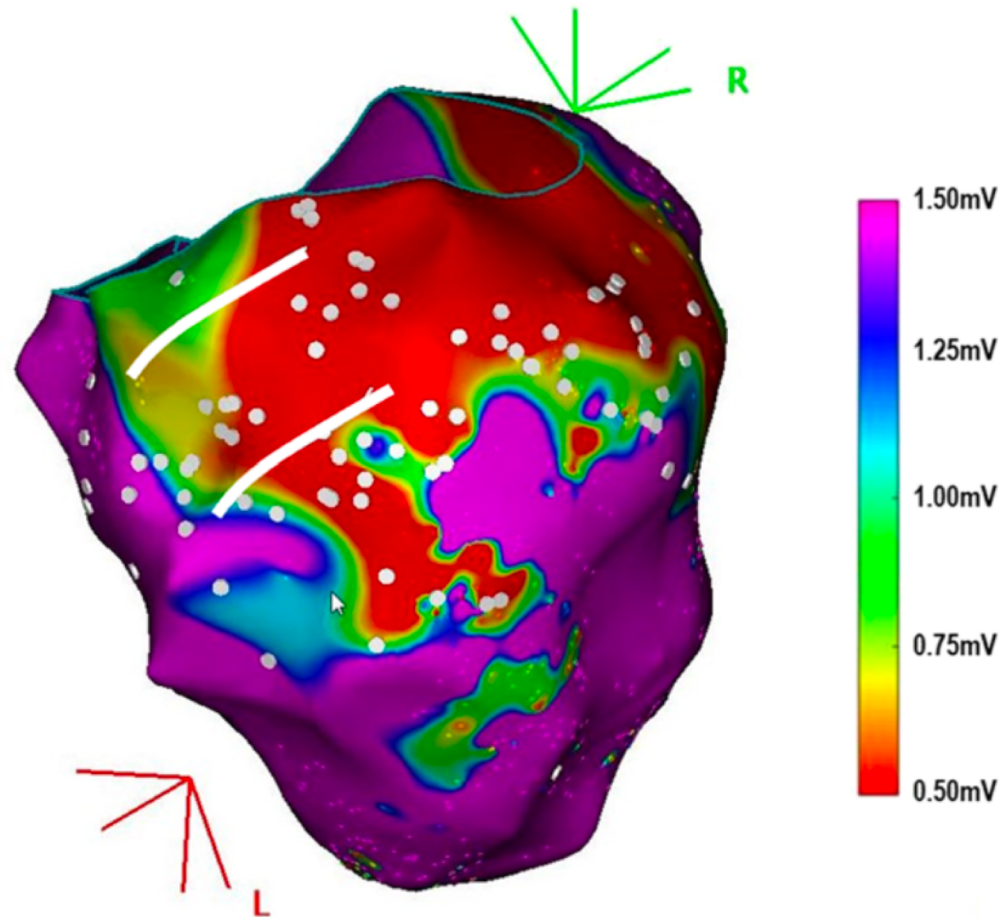


STEVENSON ET AL. ENTRAINMENT MAPPING. J Am Coll Cardiol 1997;29:1180-9

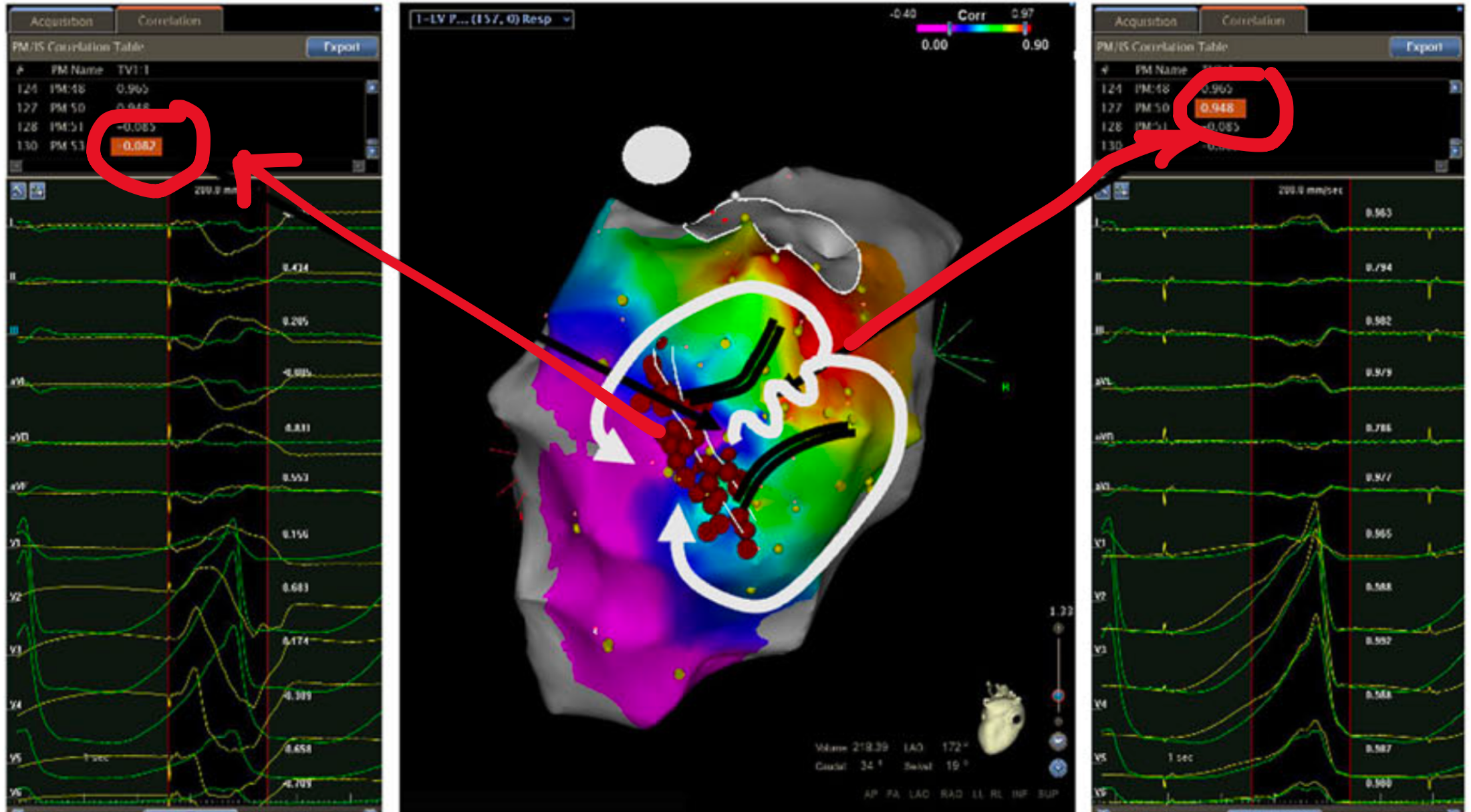
(A)



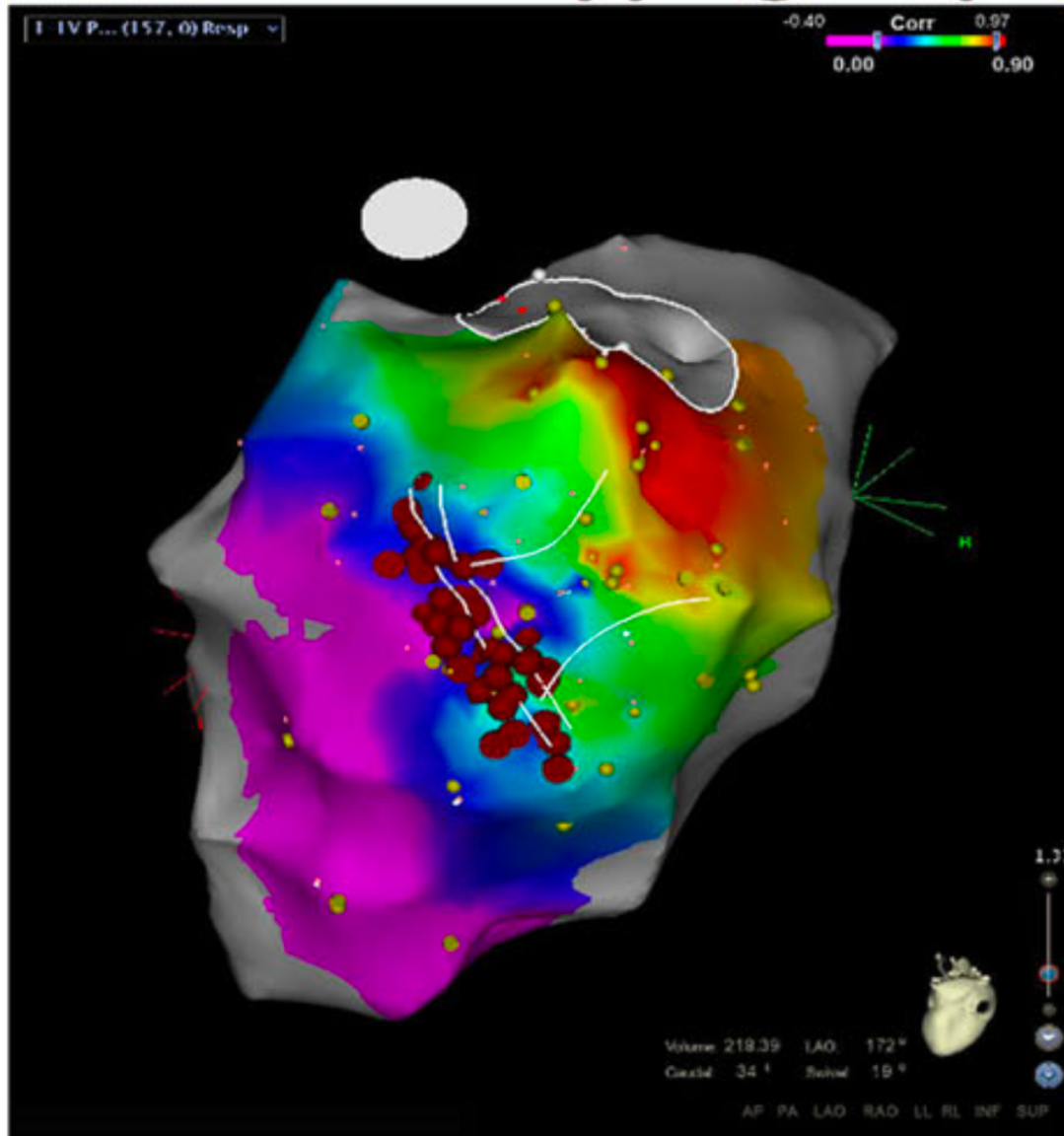
(B)



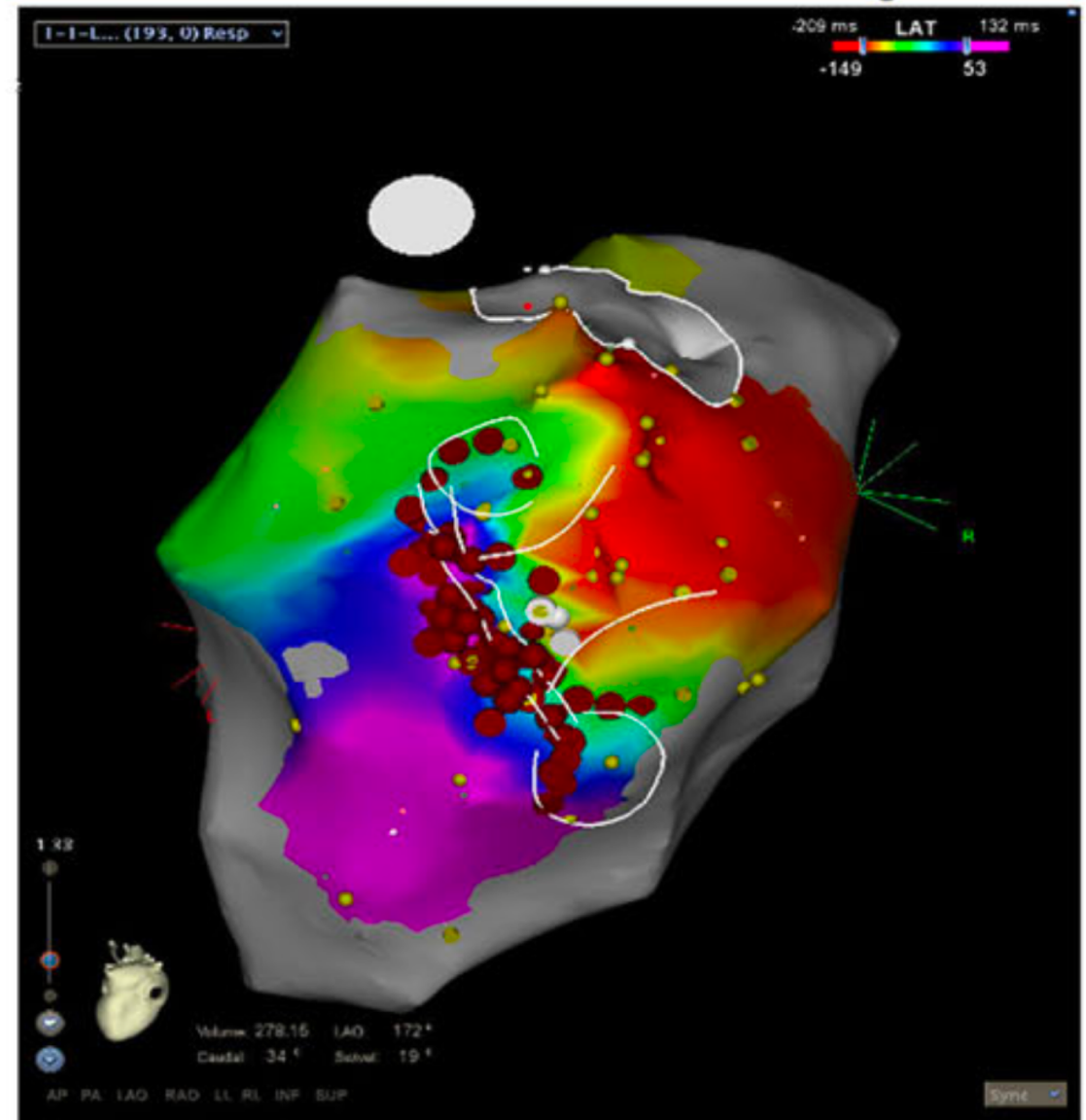
SR: Pace-Mapping Map



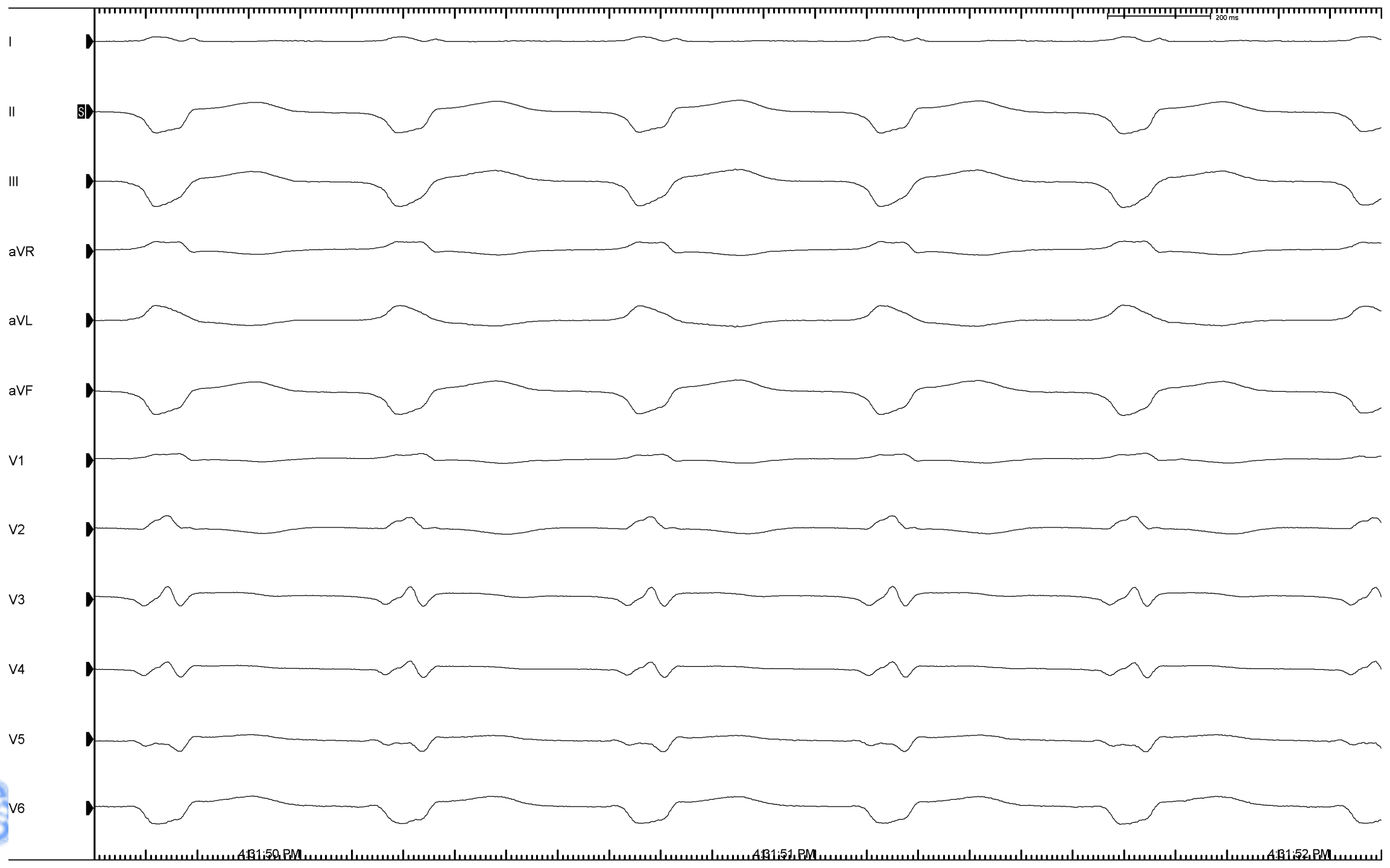
SR: Pace-Mapping Map

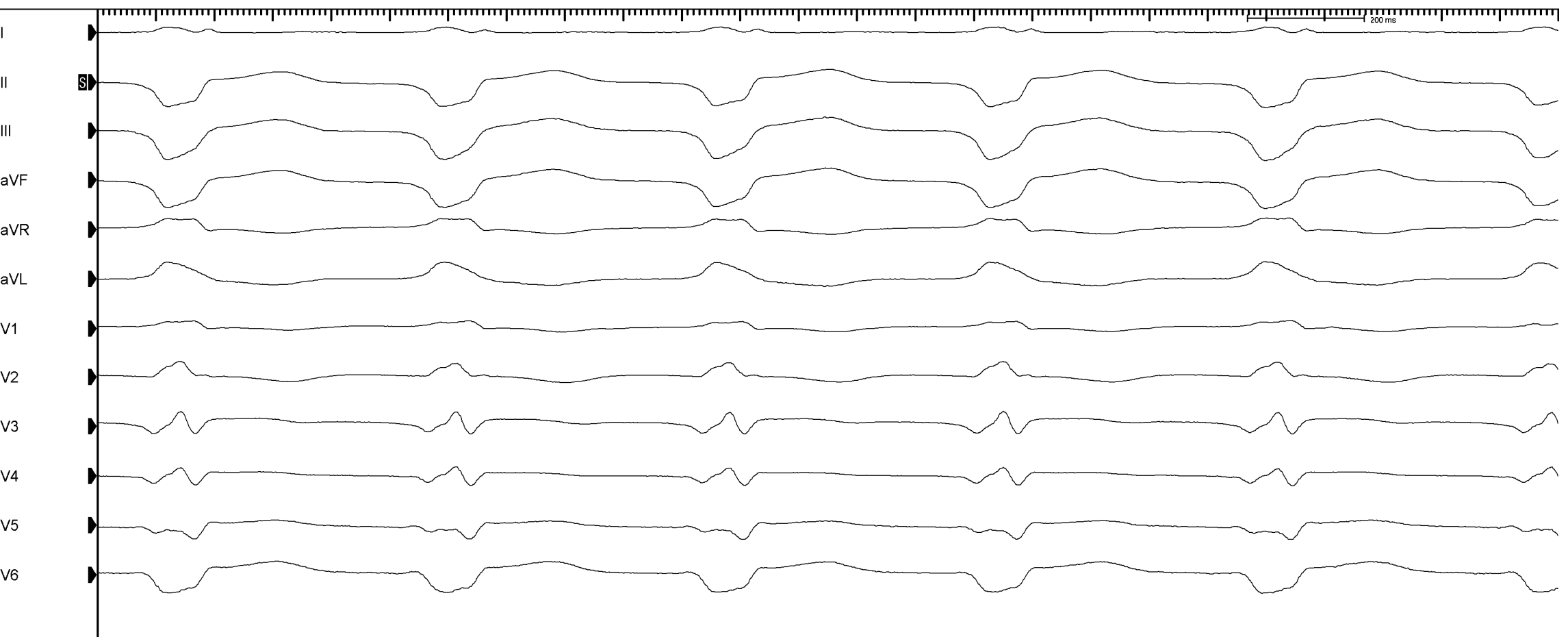


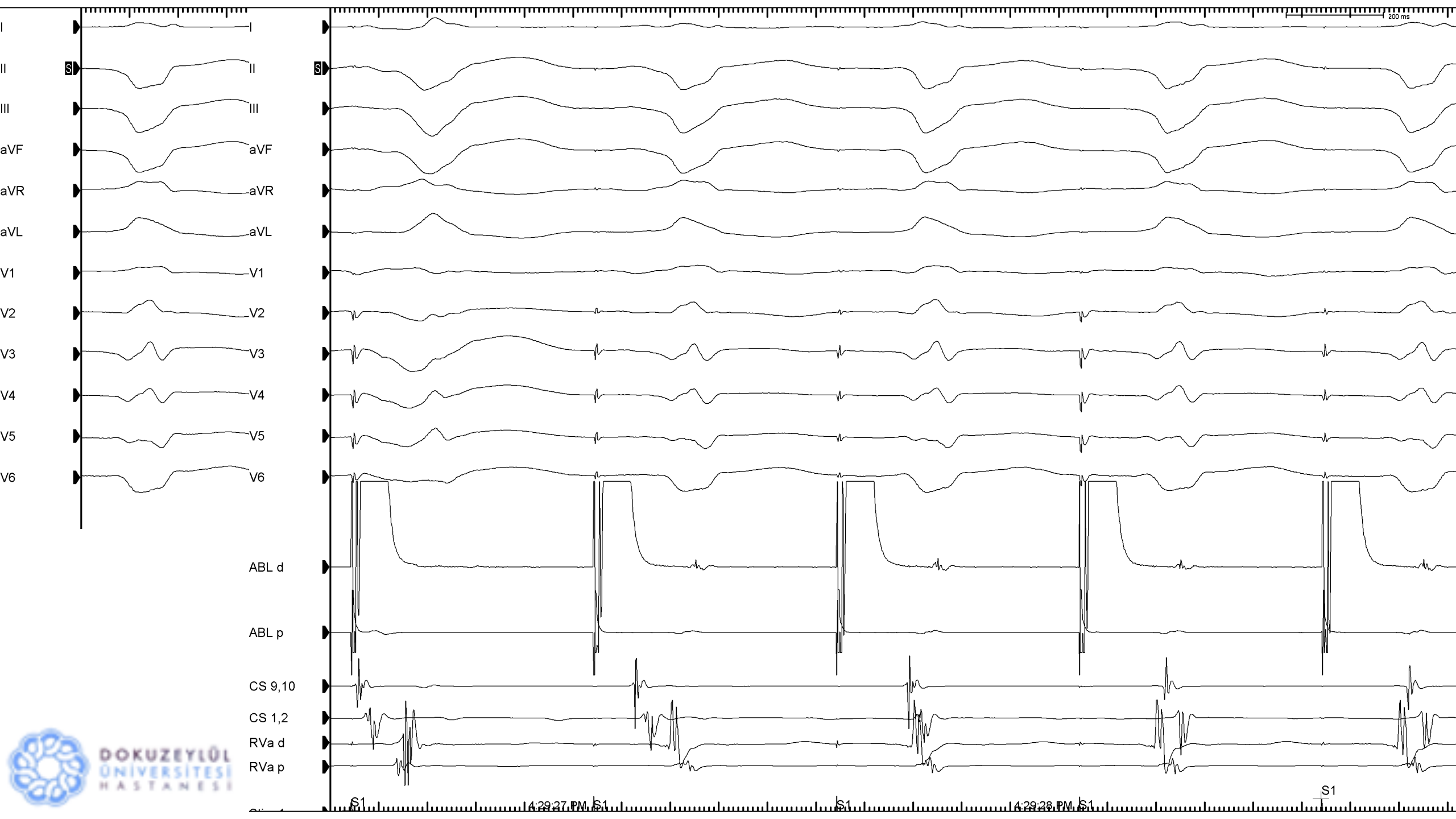
VT: Activation Map

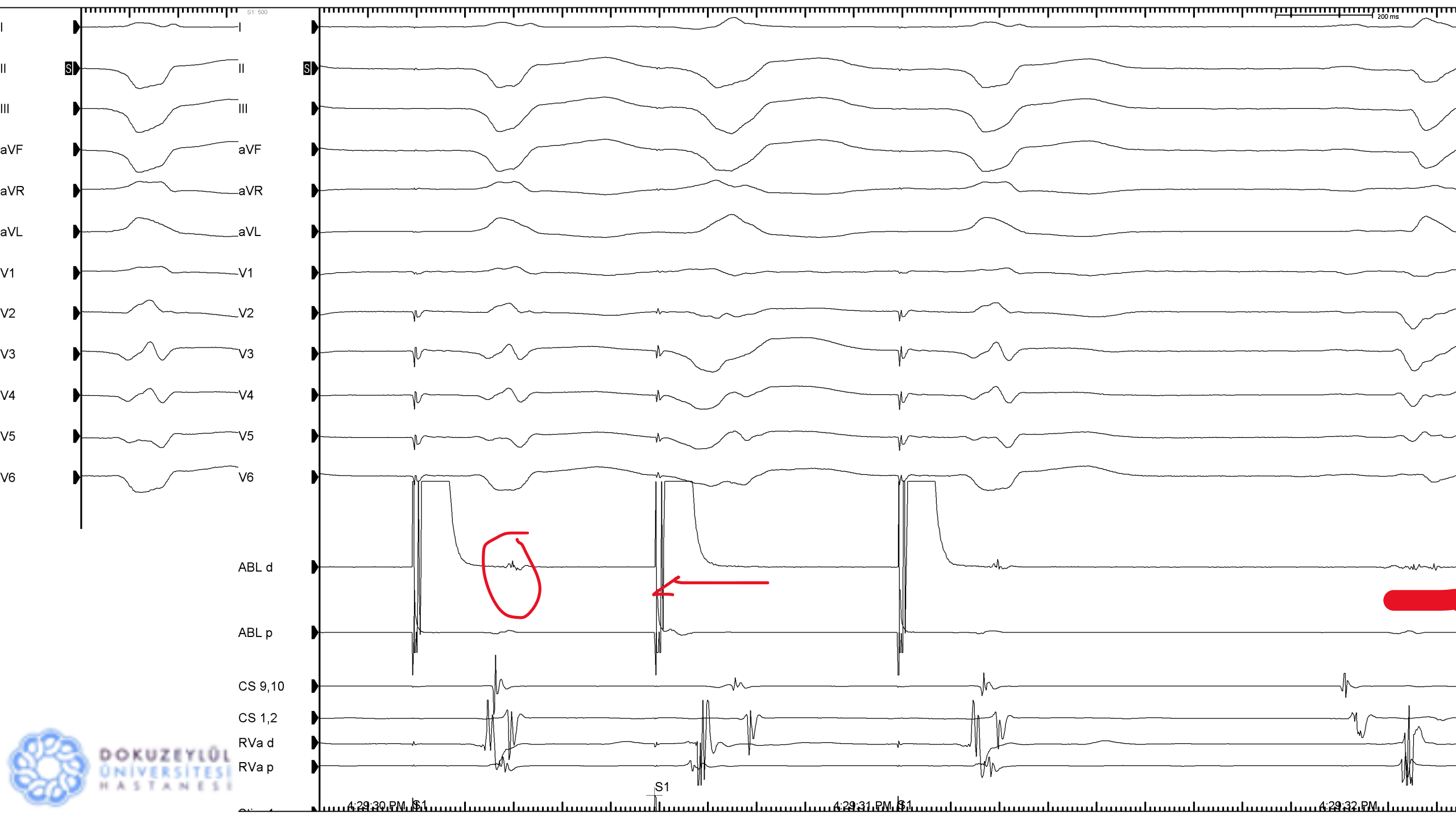


Pace korelasyon haritalama rutinde kullanıyor musunuz?

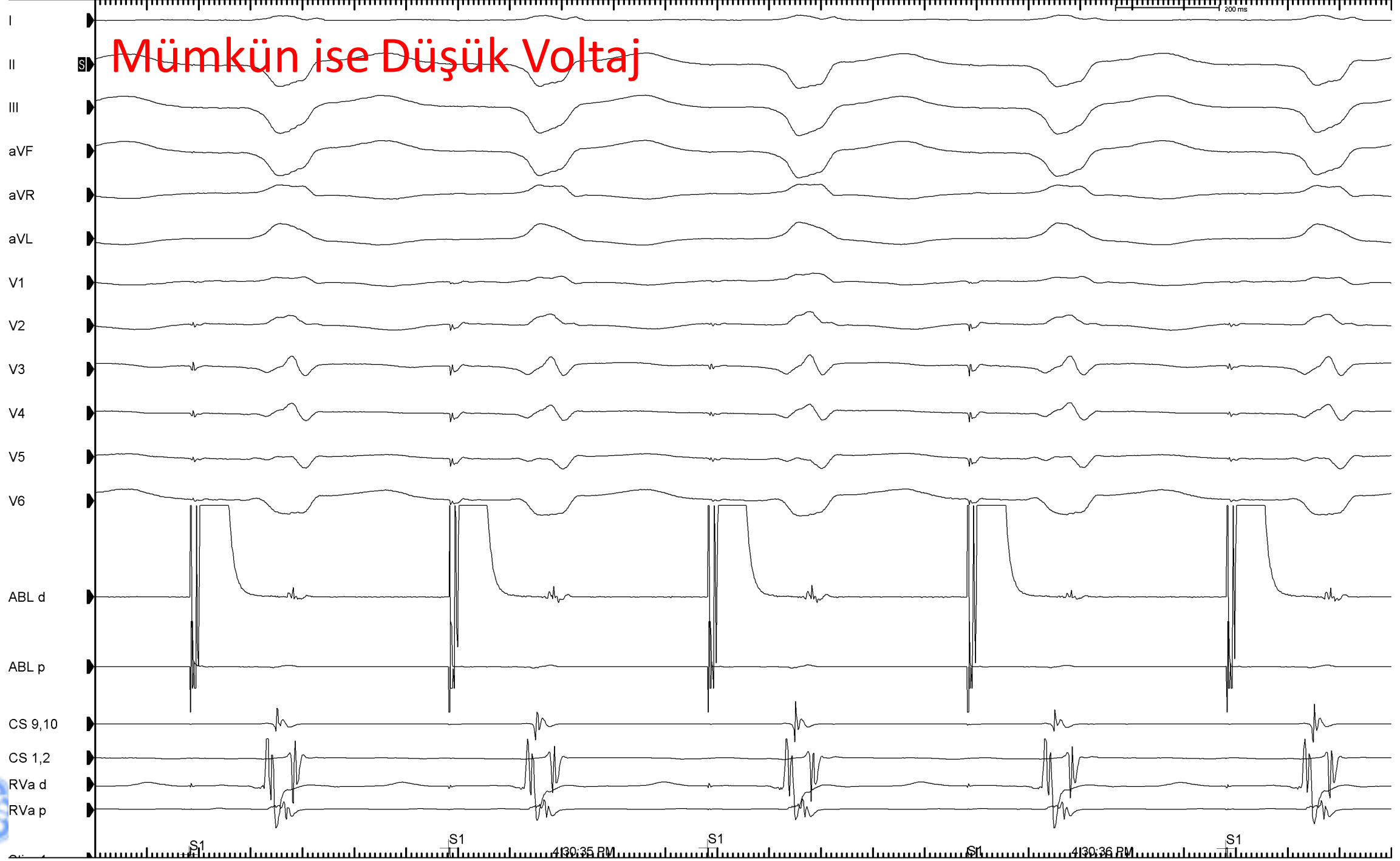




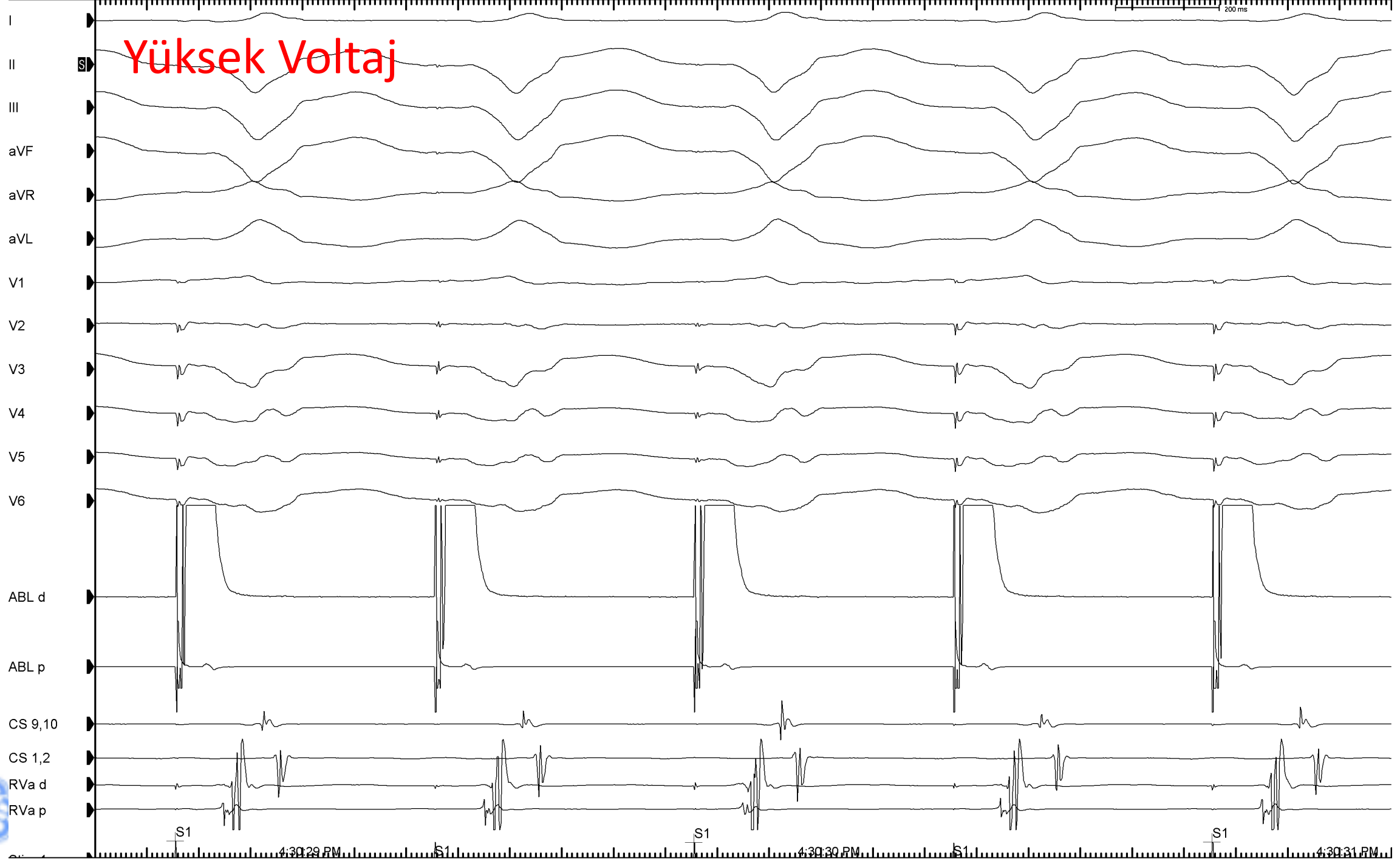




Mümkün ise Düşük Voltaj

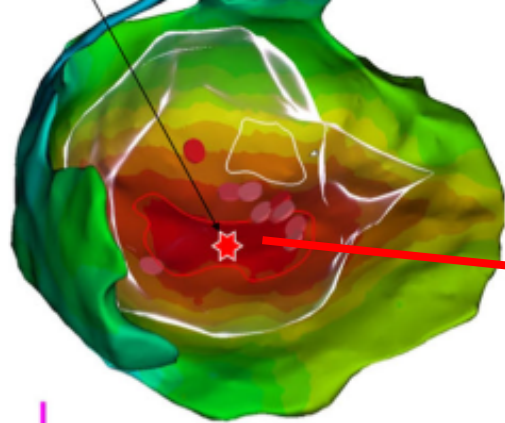


Yüksek Voltaj

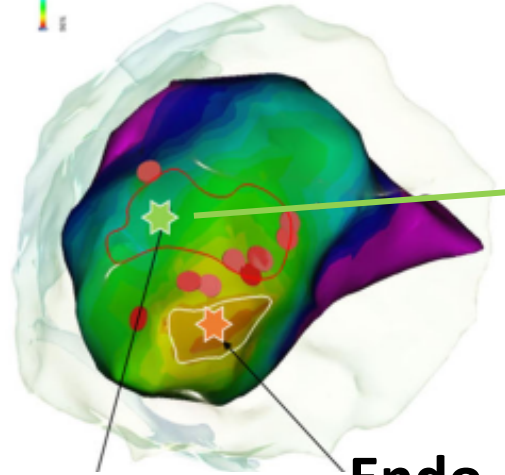


Skar 3 boyutlu bir yapı

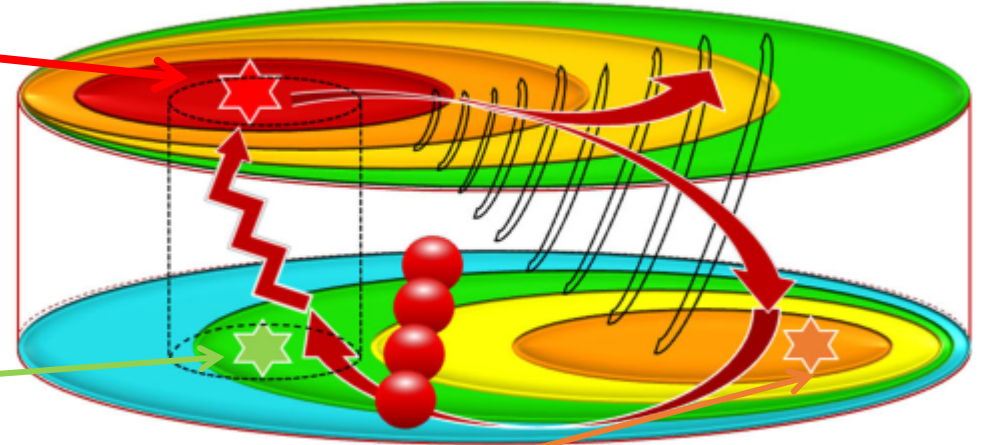
Epi PM
96%



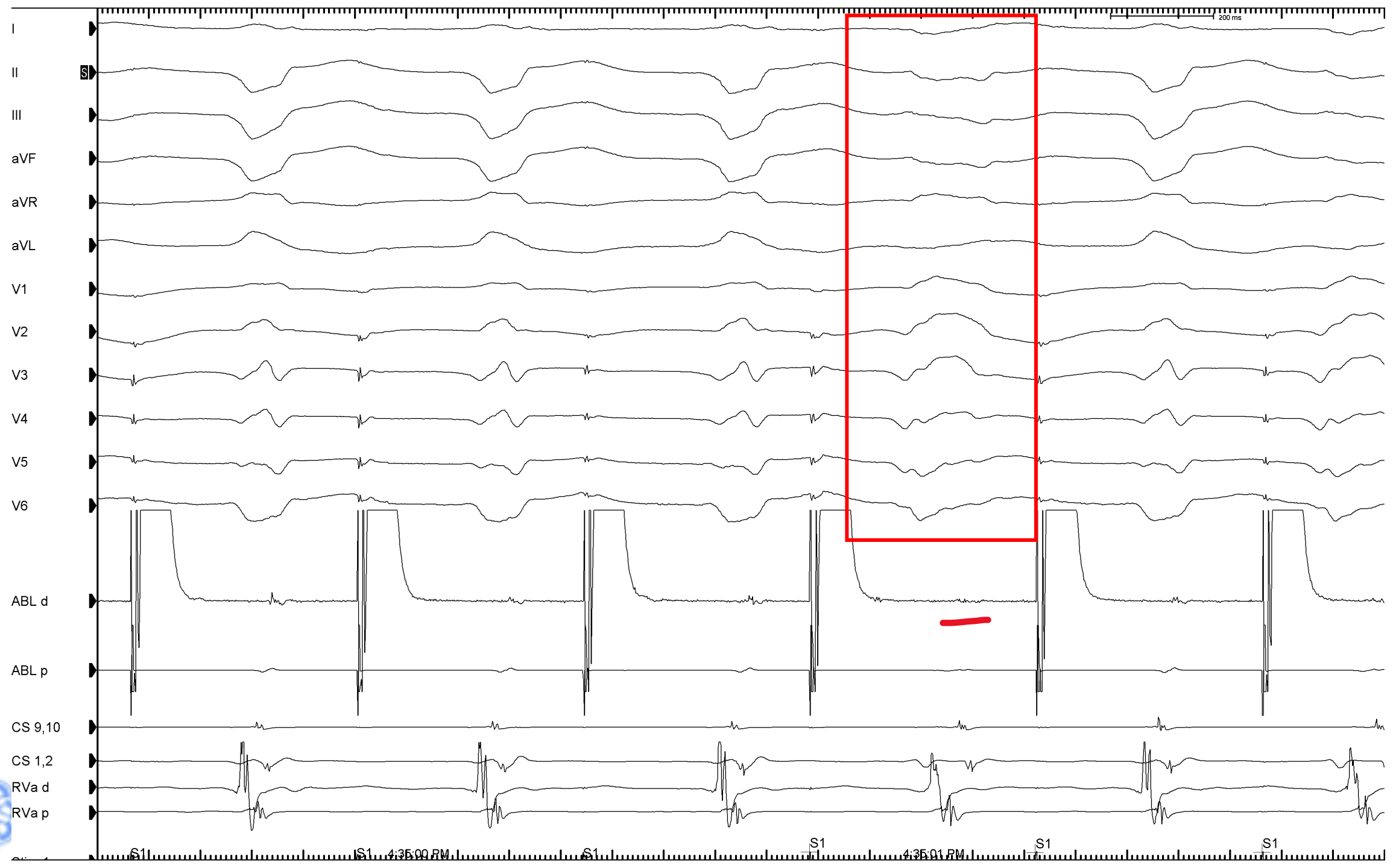
Endo
57%



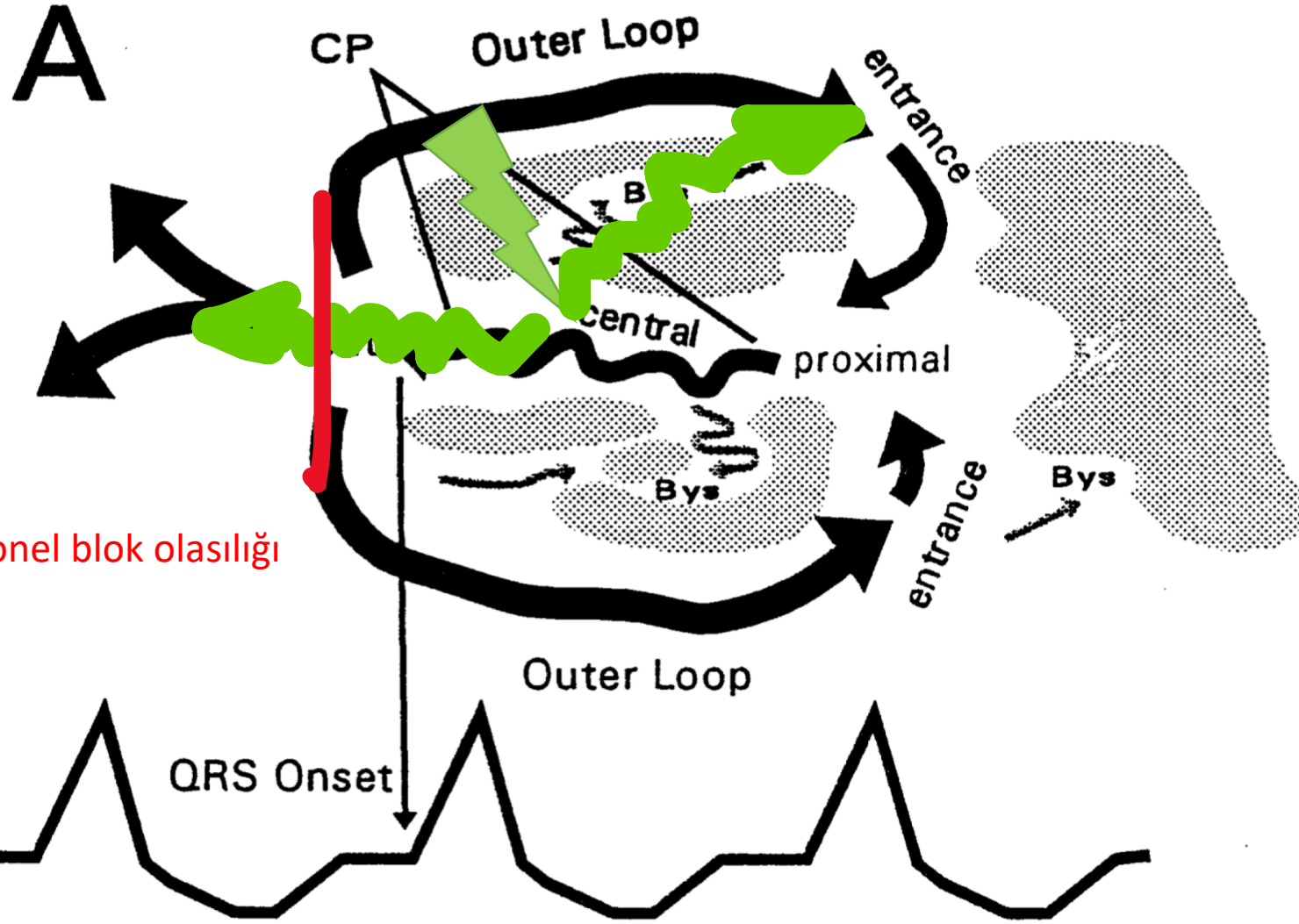
Endo
87%



LV endokardiyal bölgede epikardiyal PM 'en iyi' projekte eden alanı görebilirsiniz

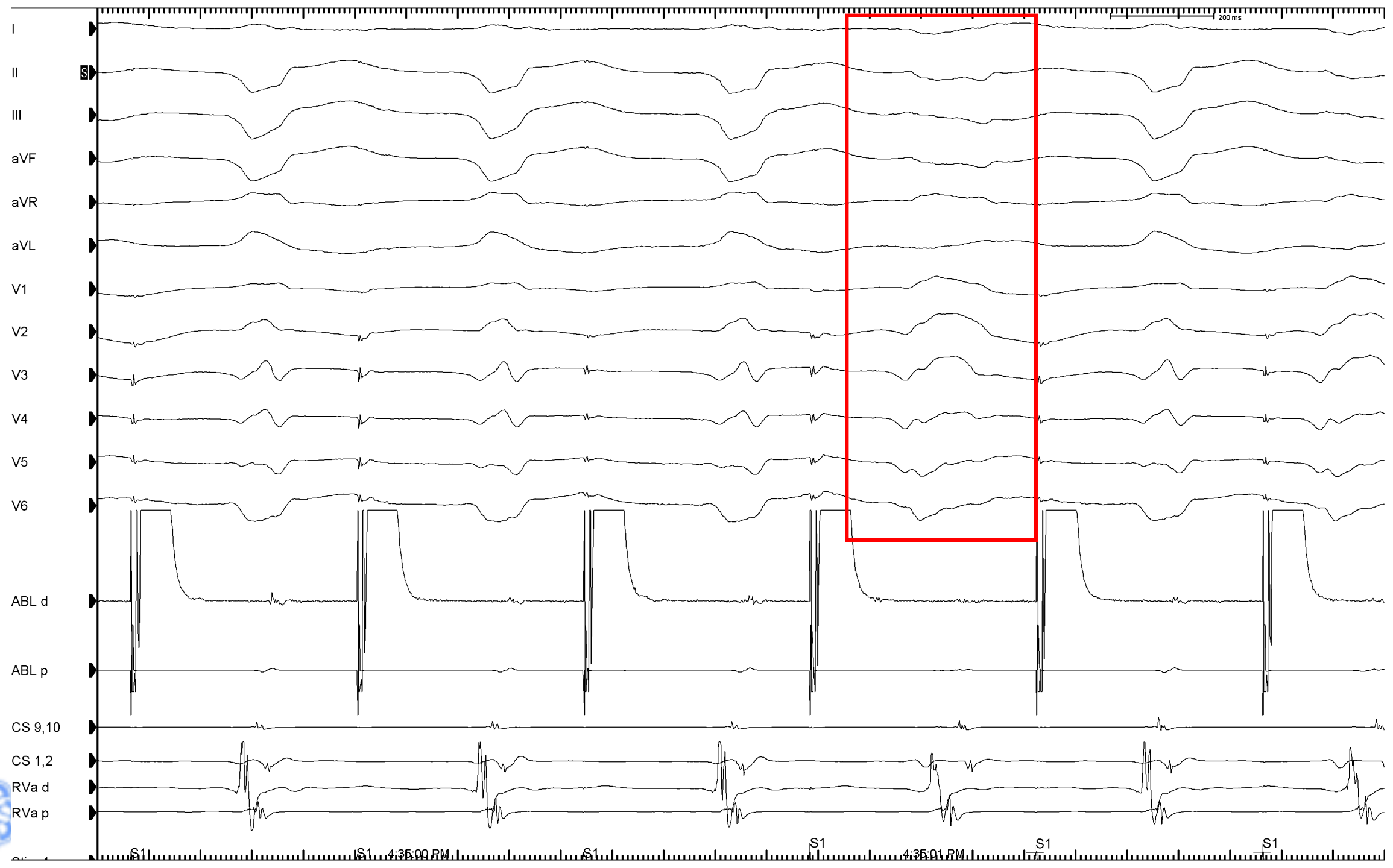


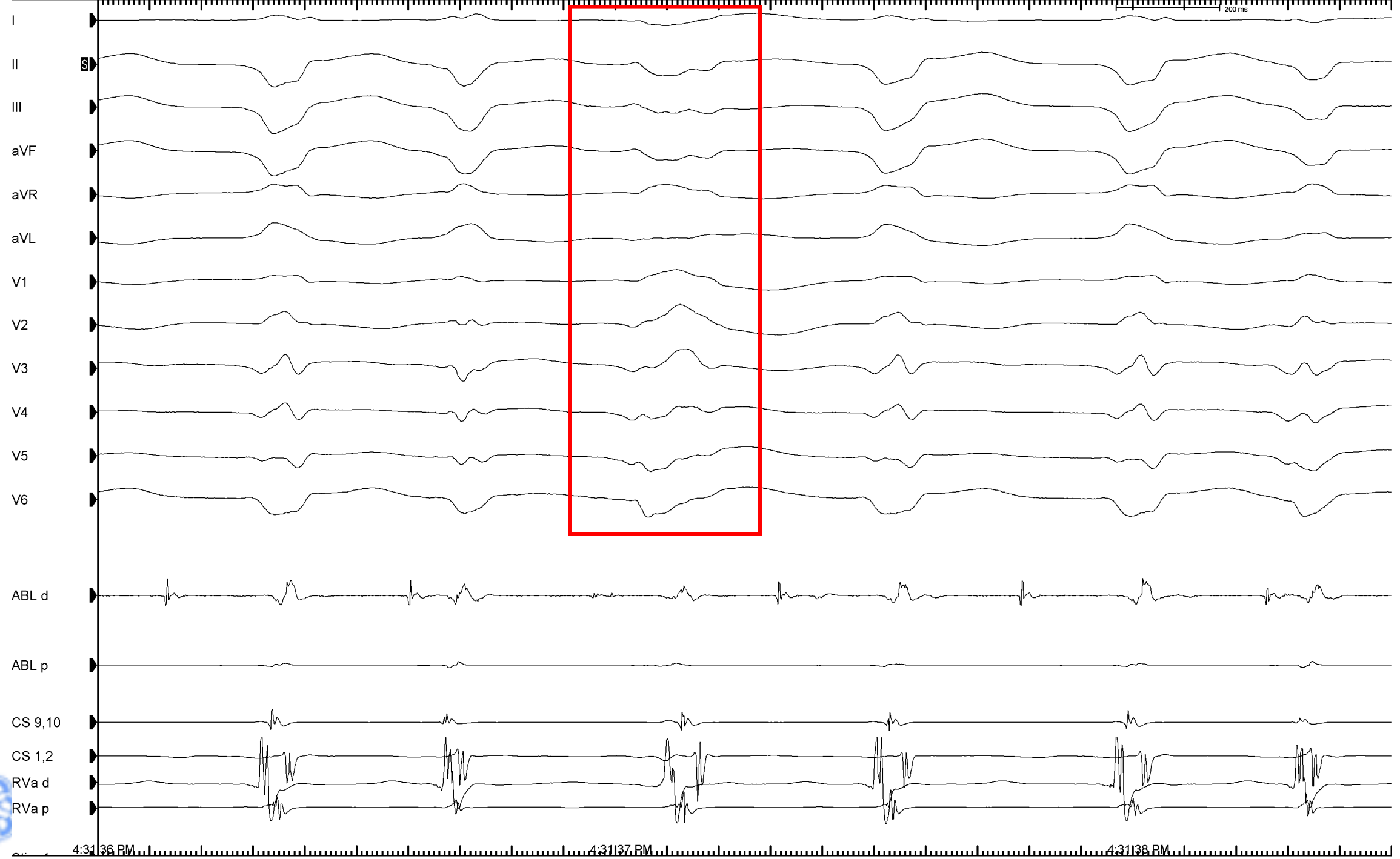
MES



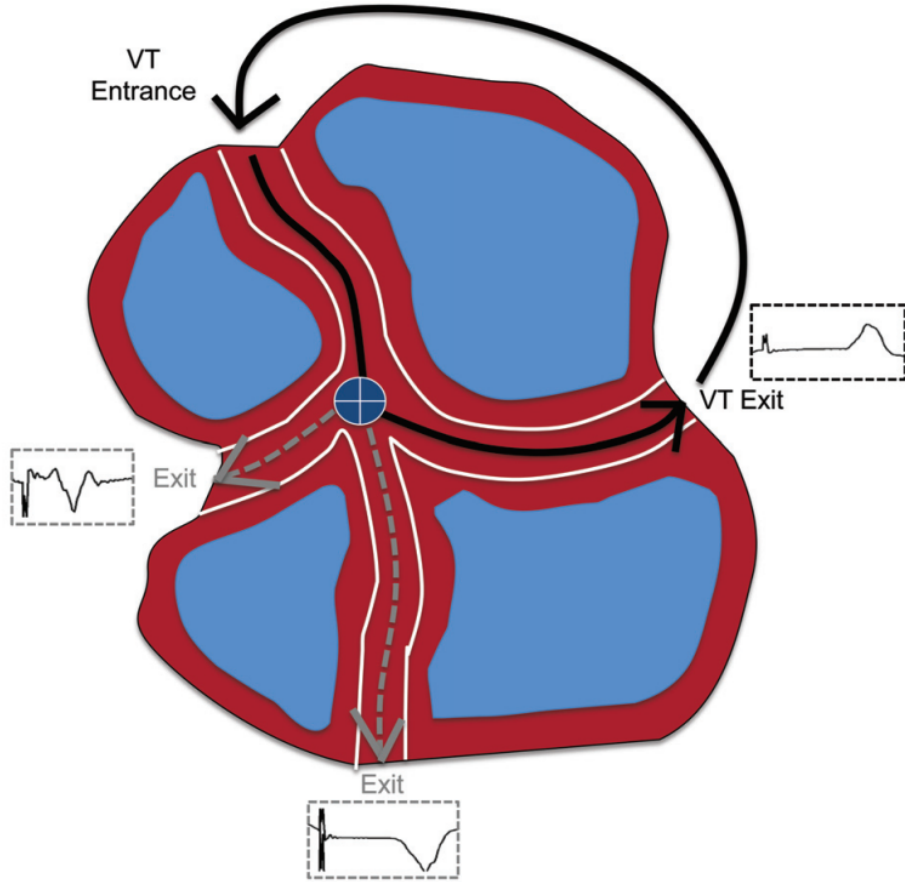
Fonksiyonel blok olasılığı

Nasıl ayırt edebiliriz?

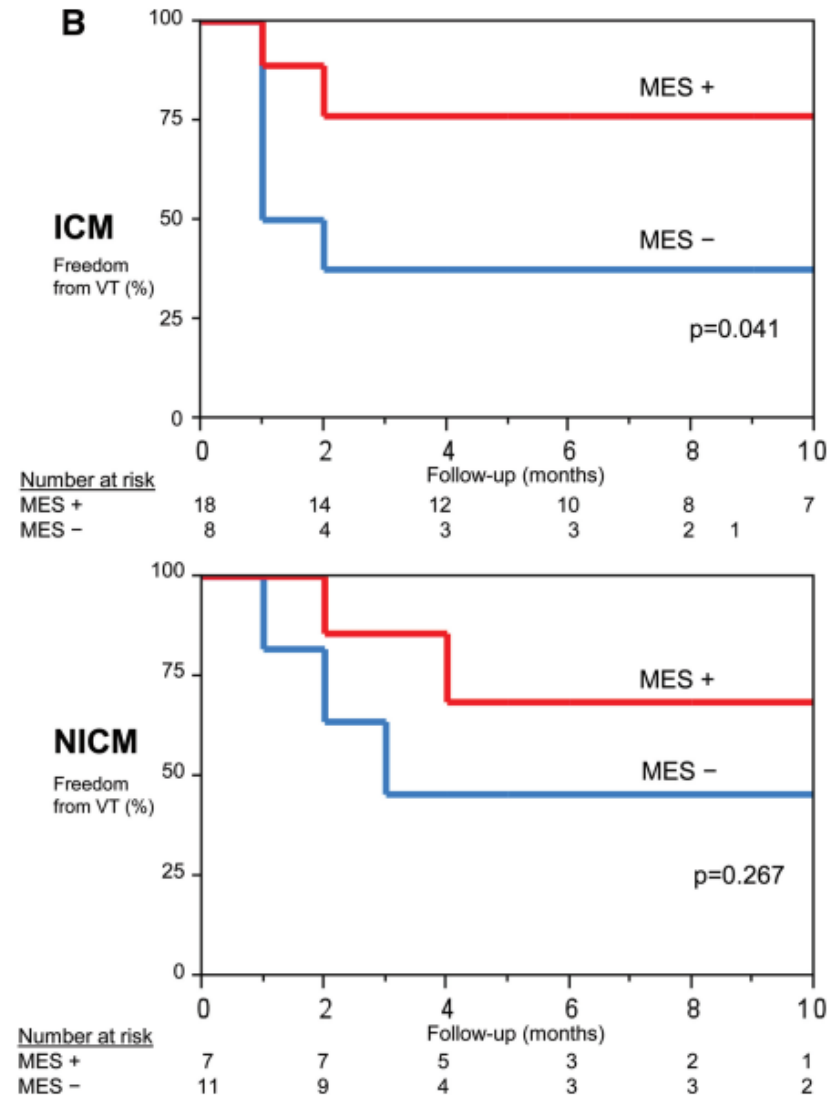
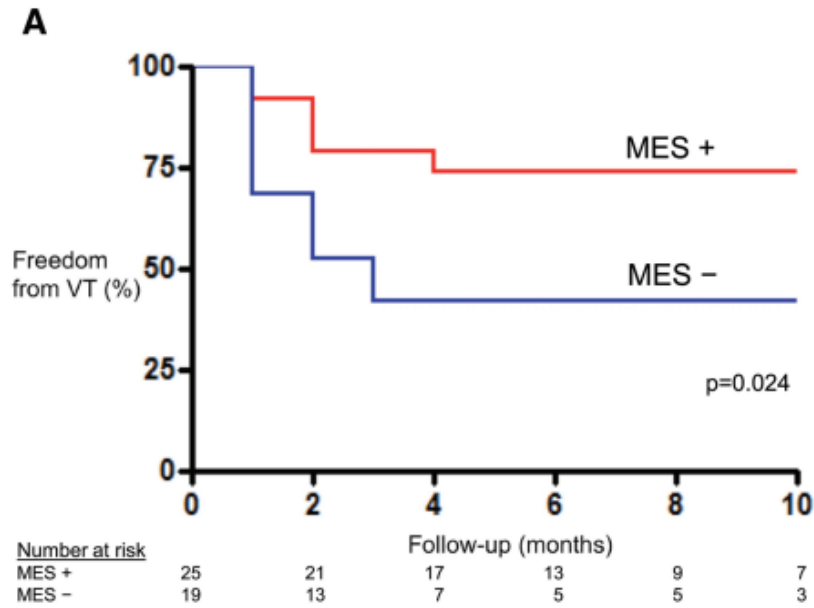




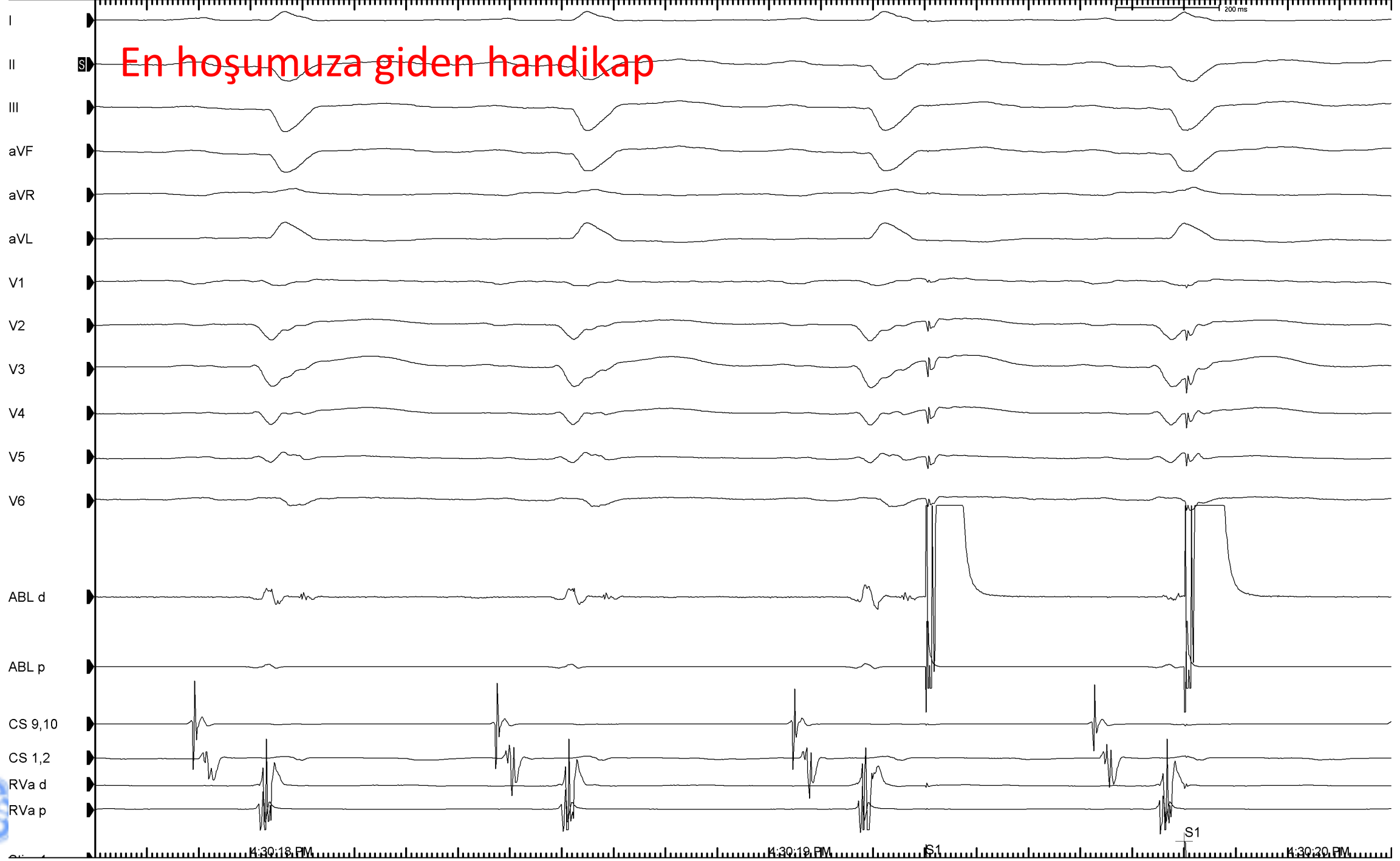
Pacing Map- Multiple Exit site

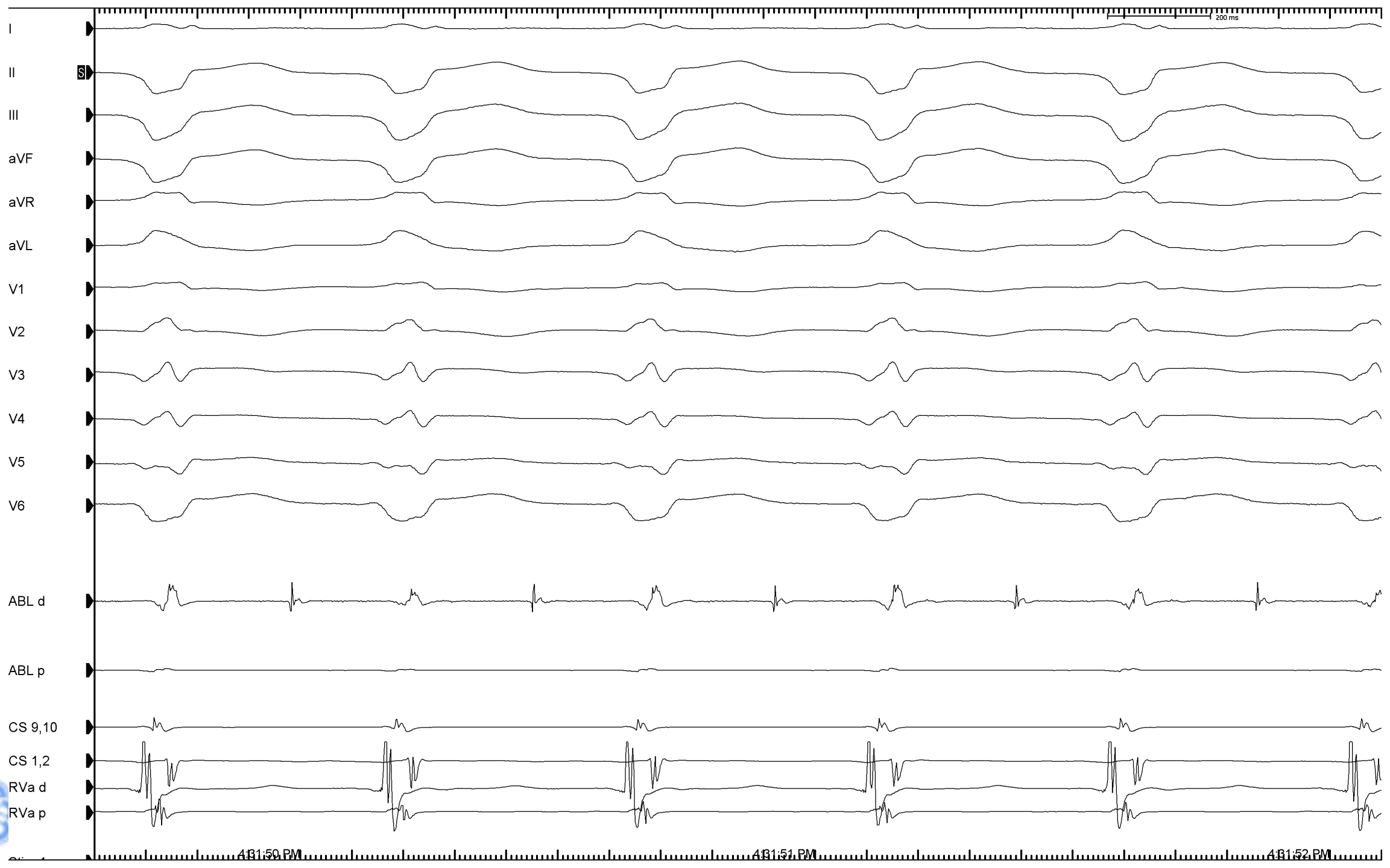


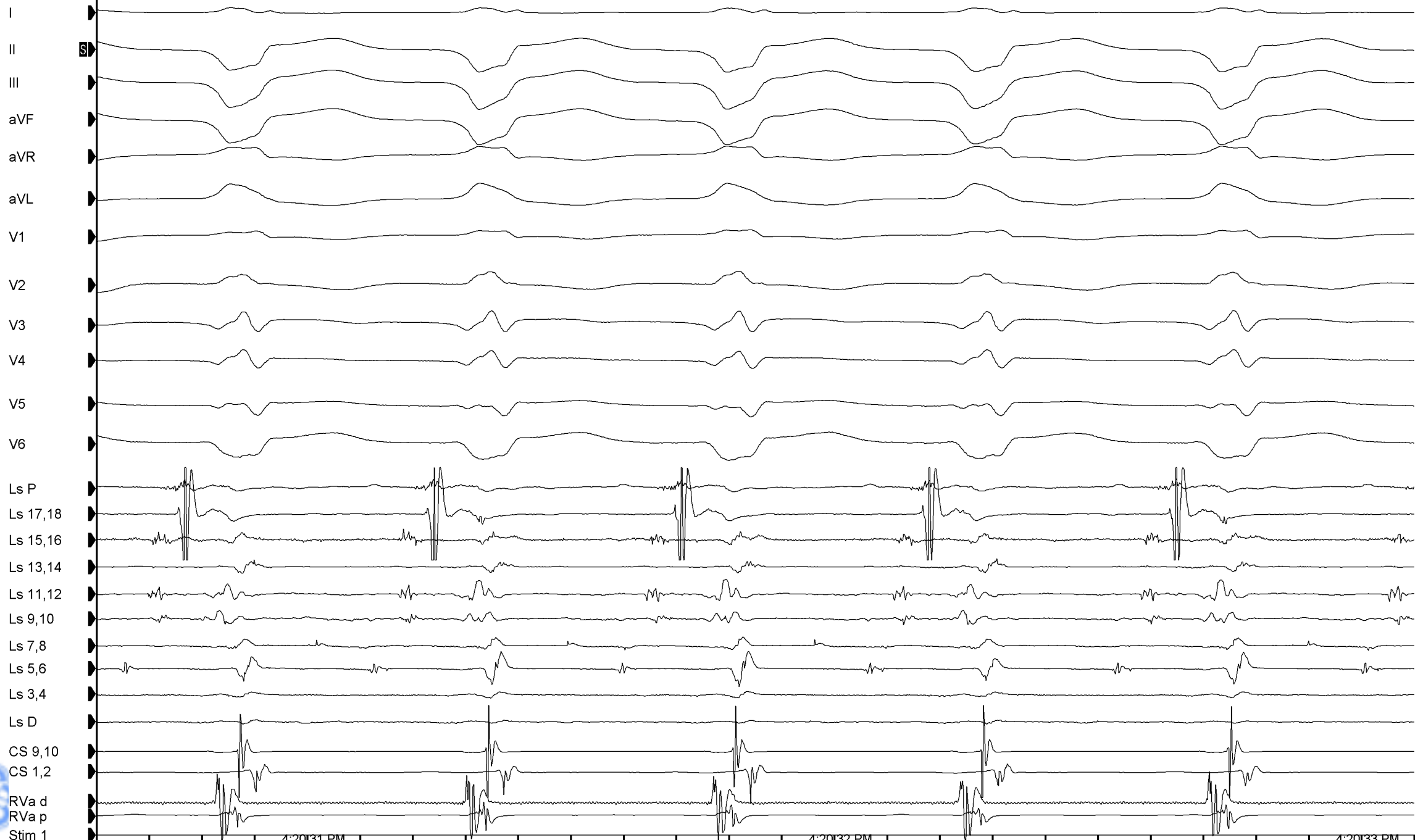
- %57 Multiple exit site görülmektedir
- Pace-map ile VT indüksiyonu- reentry için kritik bölgeyi gösterebilir
- Bu bölge kateter ablasyonu için potansiyel alandır



En hoşumuza giden handicap







Stratejik multielektrod pozisyon haritalama (StaMP mapping)

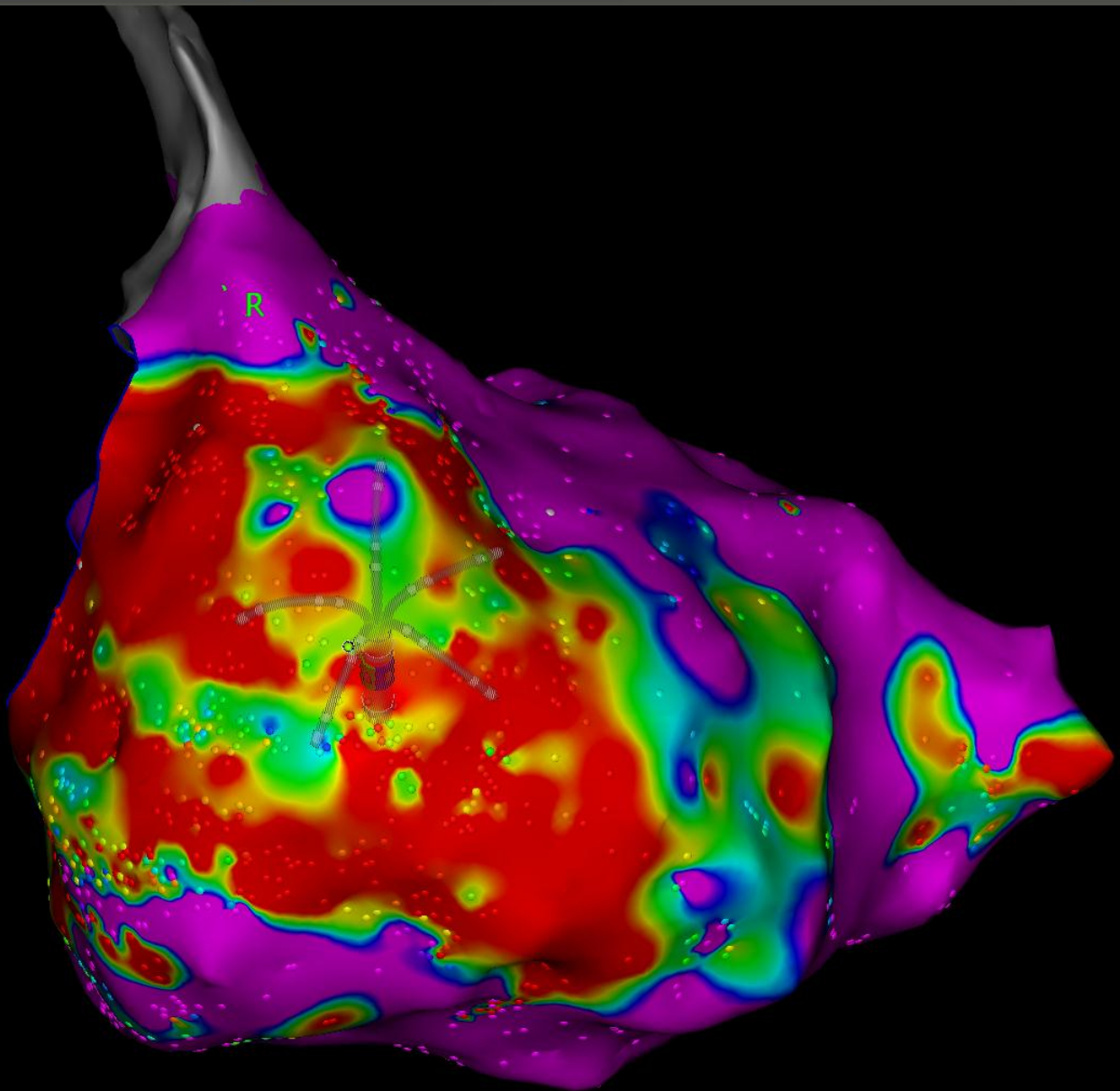
- Önce SR scar harita
- ILAM- DZ veya late fraksiyone potansiyel bölgesi hedef
- Kısa süreli VT indüksiyonu
- Amaç multielektrod kateter ile tüm diyastolik aktivasyon sekansını yakalamak
- Tüm diyastolü almaya çalışılırsa aktif WOI-manuel adjustment



1-SCARMAP (1641, 0)

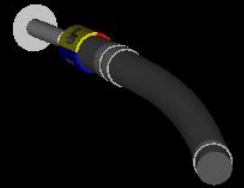
0.50 mV Bi 1.50 mV

Tag.Idx



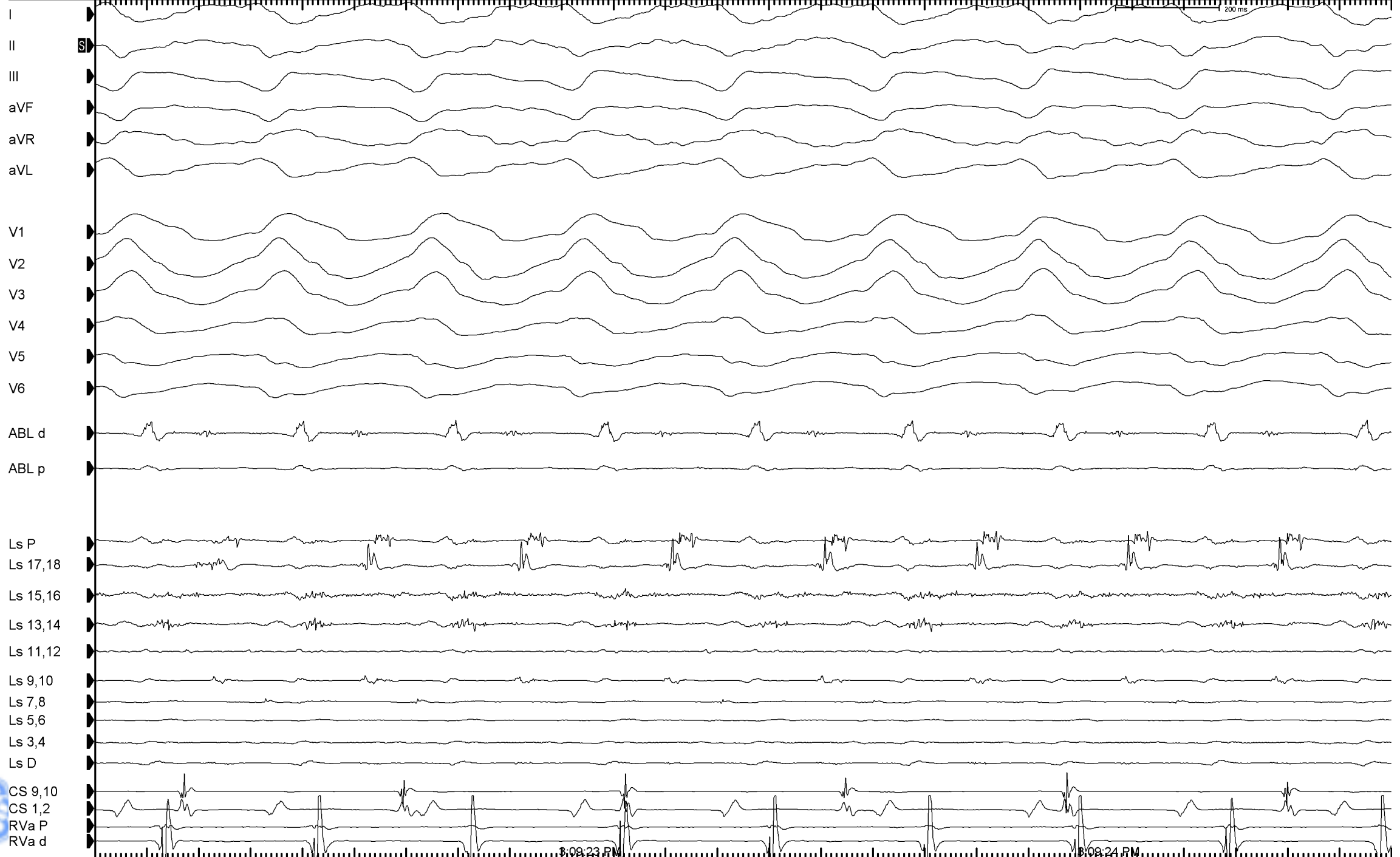
R

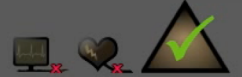
13



1.10

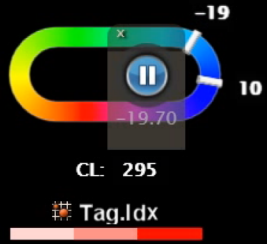
0% AP PA LAO RAO LL RL INF SUP





1-1-OET 13 (1753, 0)

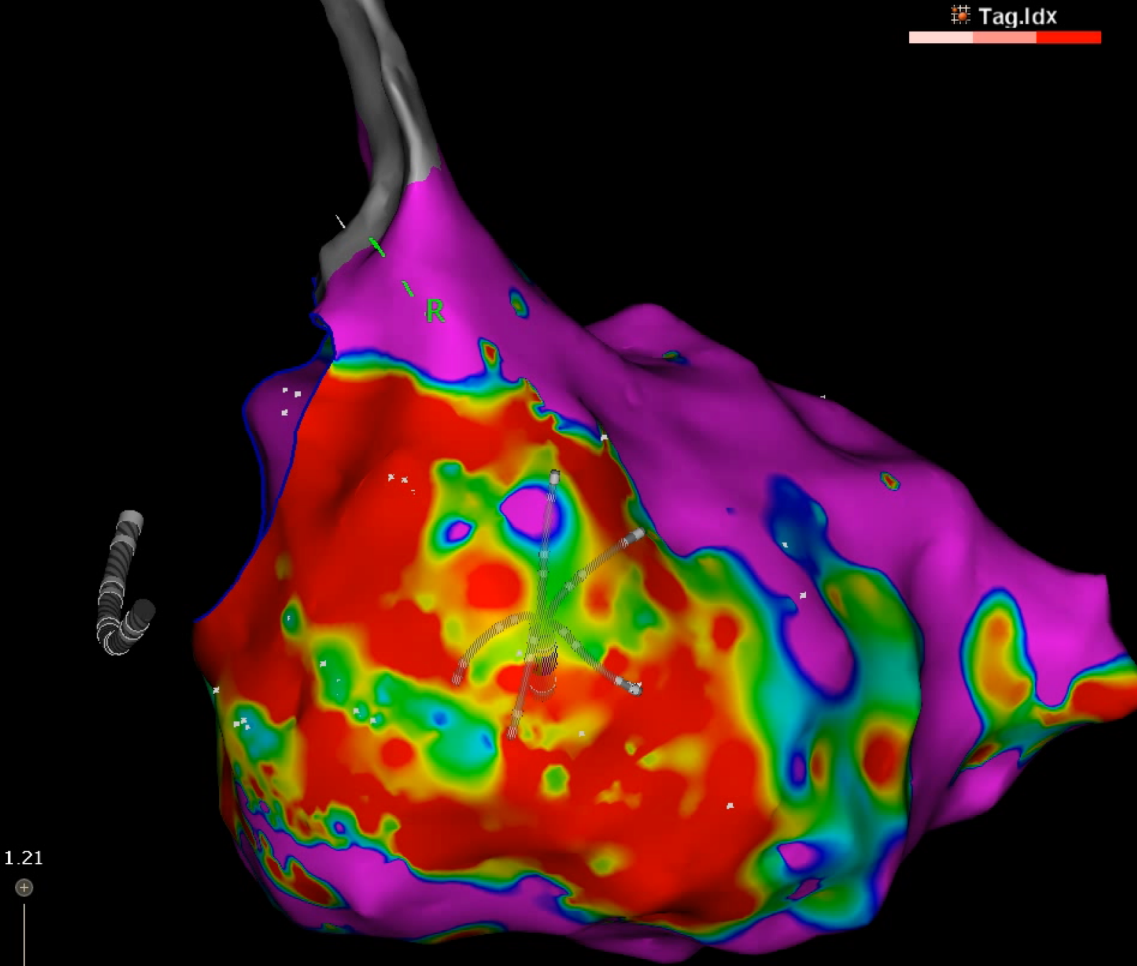
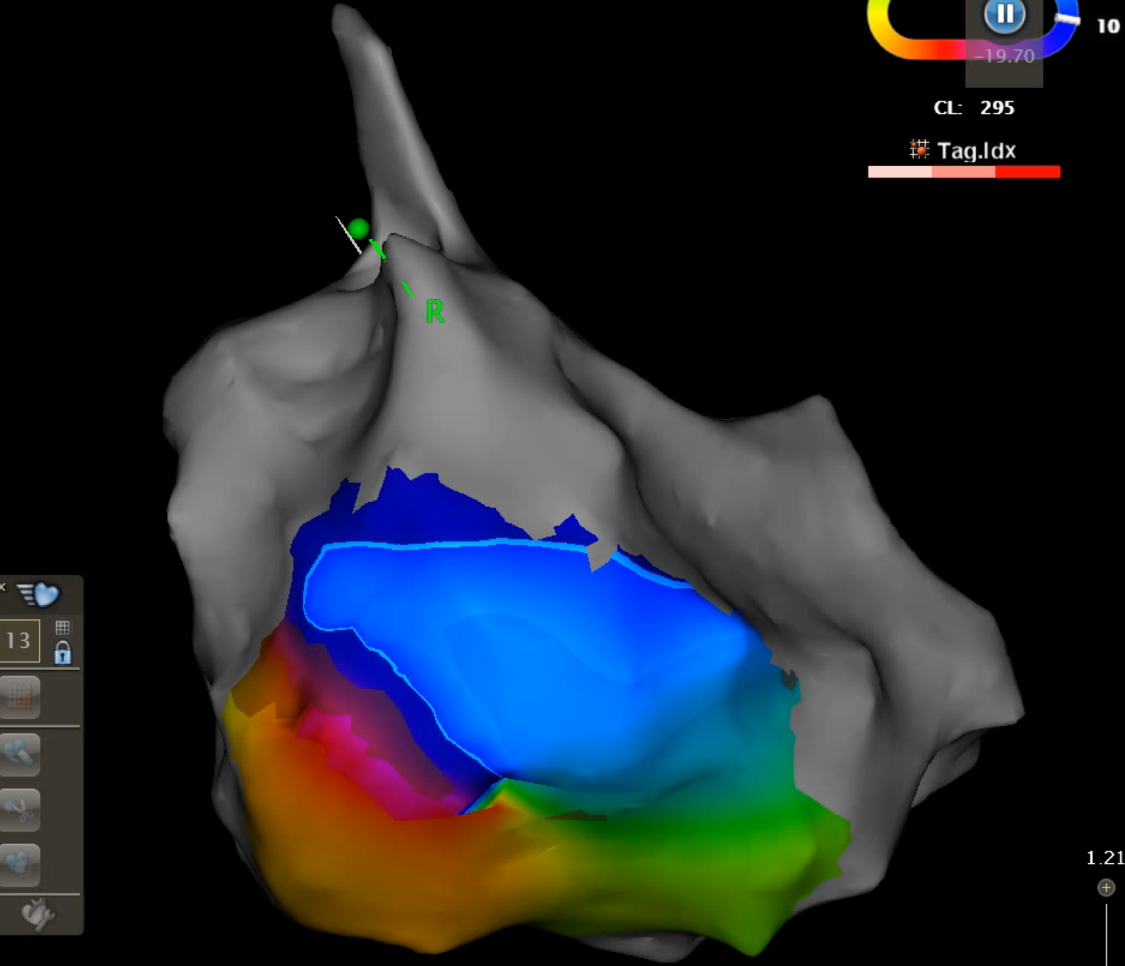
COHERENT



1-SCARMAP (1641, 0)

0.50 mV Bi 1.50 mV

Tag.Idx



13

0% AP PA LAO RAO LL RL INF SUP

AP PA LAO RAO LL RL INF SUP 0%

Sync

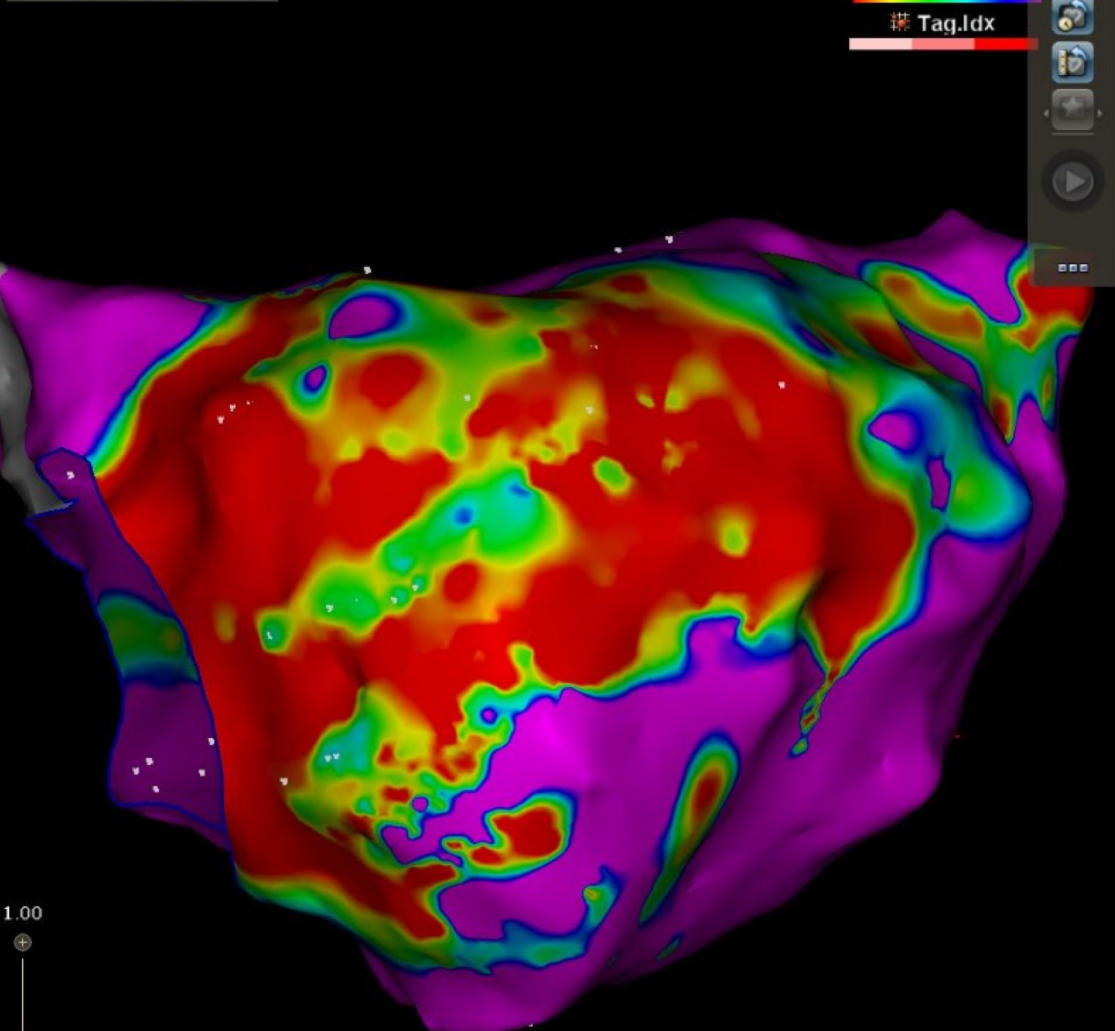
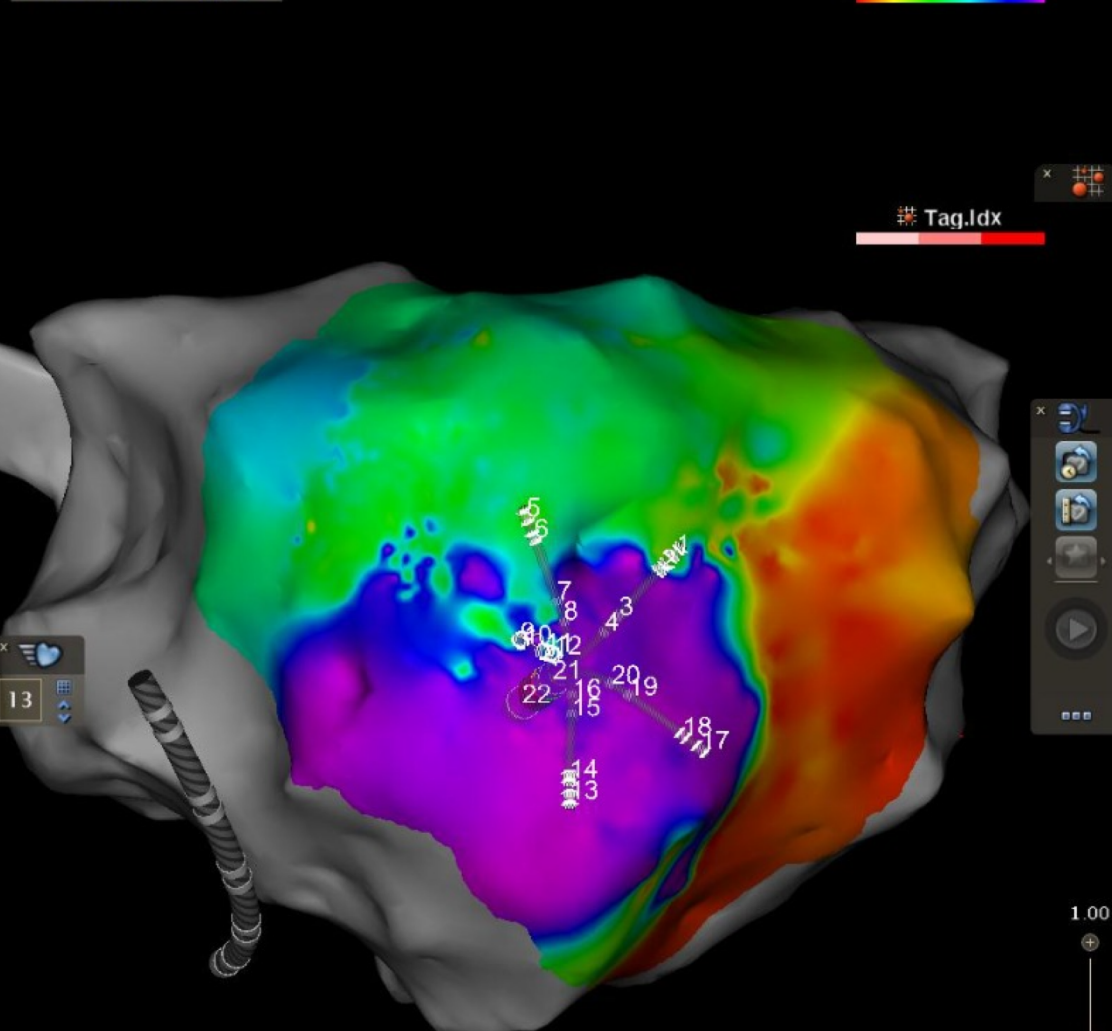
Setup

HW Study Loc. Cath. Map **AFIB** PASO STANDART

911
1052
1108

1-1-OET 13 (1753, 0) -143 ms **LAT** 145 ms

1-SCAR_ (1641, 0) 0.50 mV **Bi** 1.50



13

0% 1.00

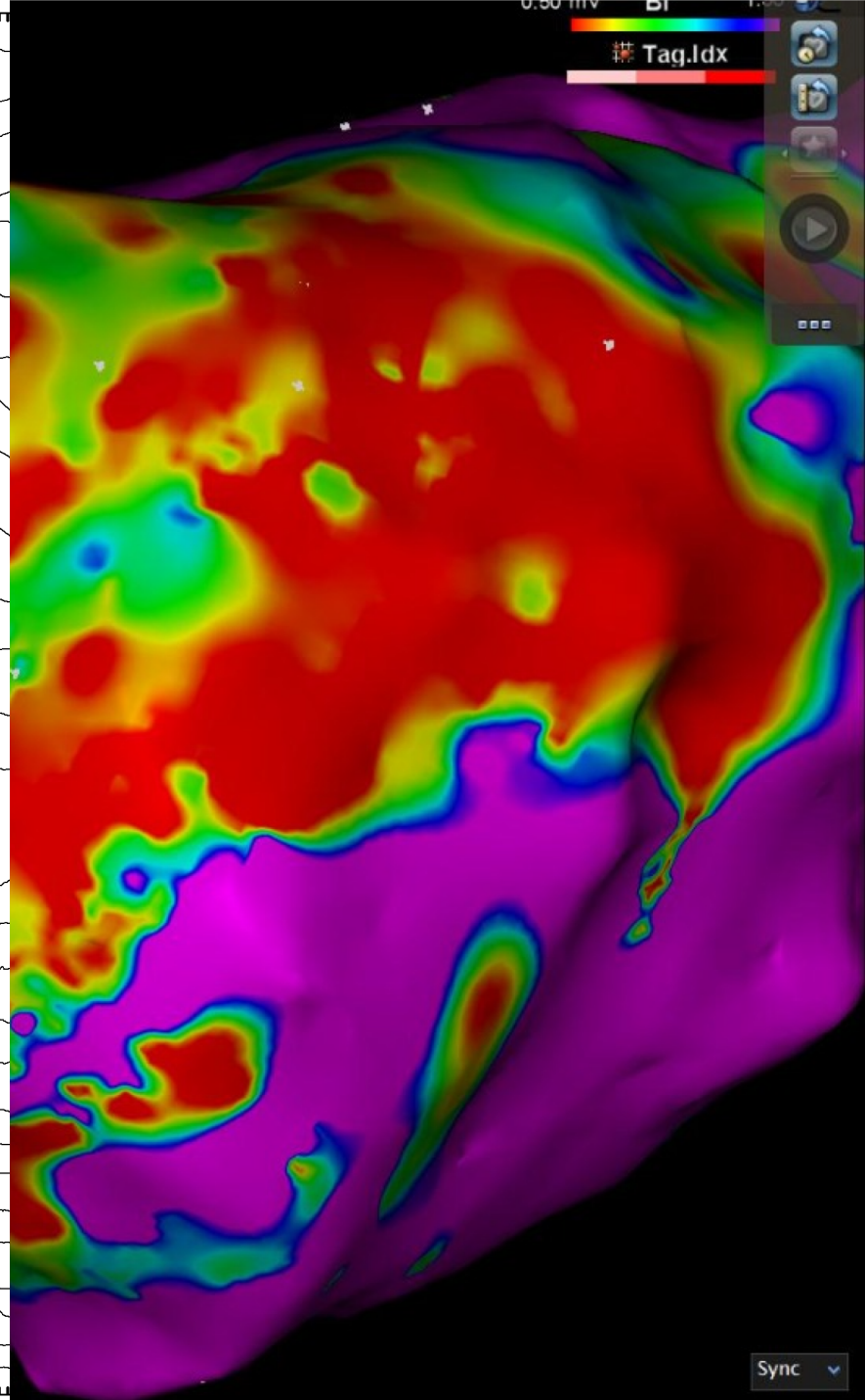
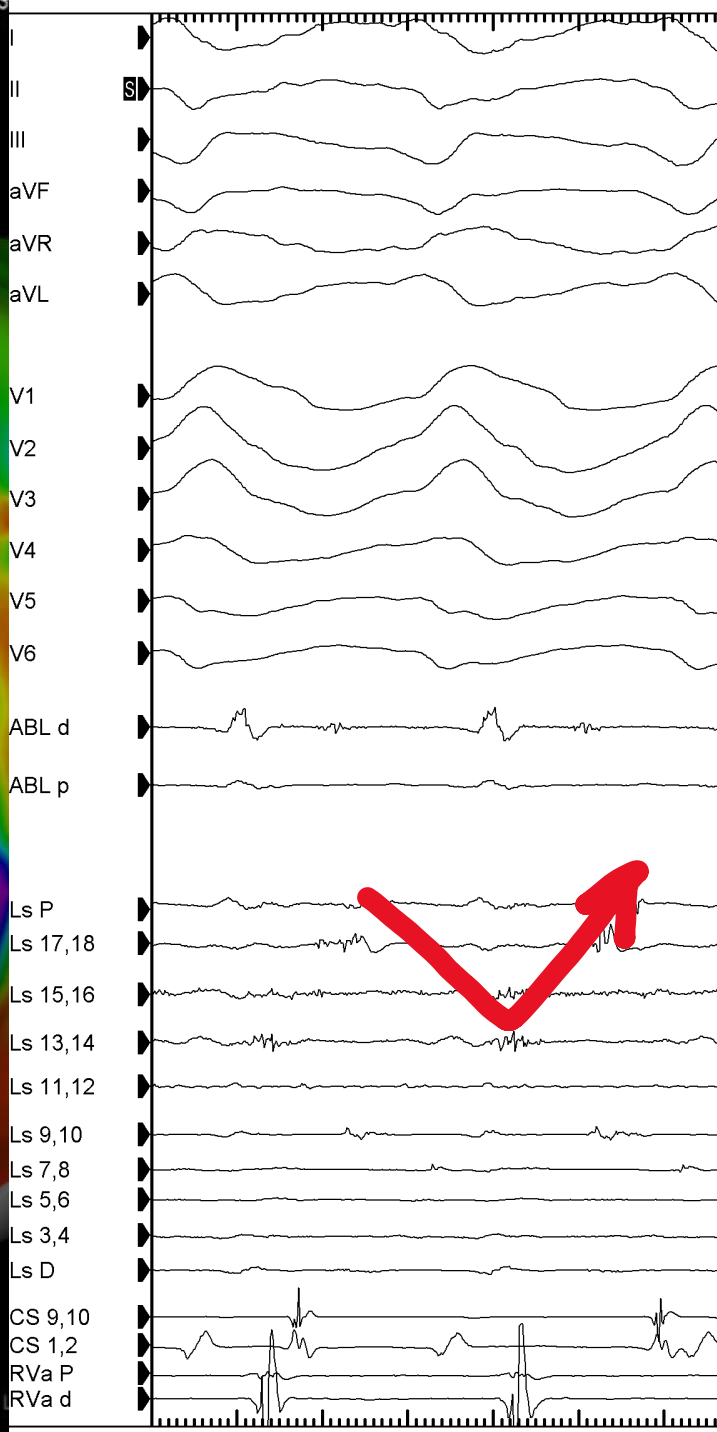
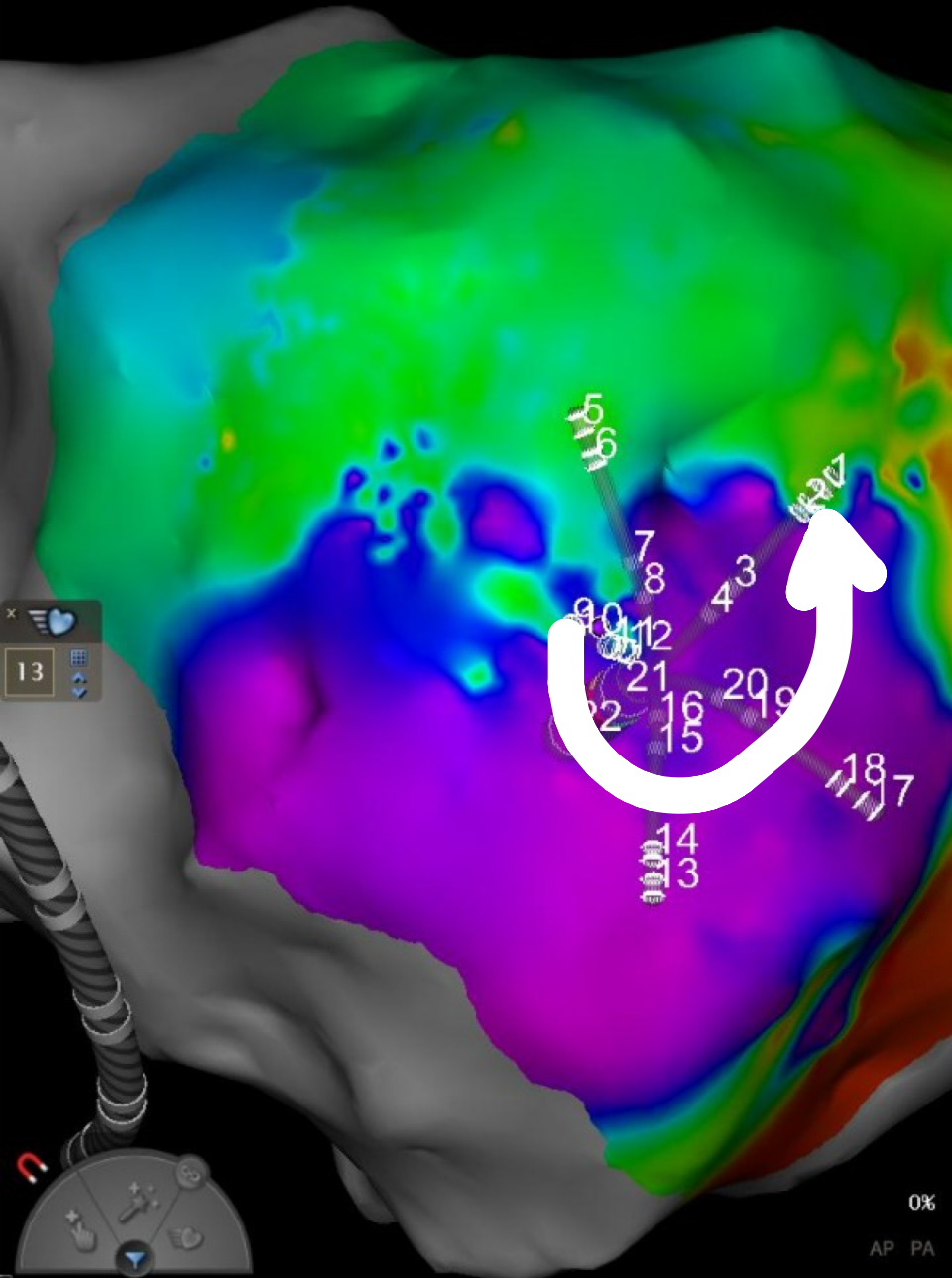
AP PA LAO RAO LL RL INF SUP

1.00

0% 1.00

AP PA LAO RAO LL RL INF SUP

Sync

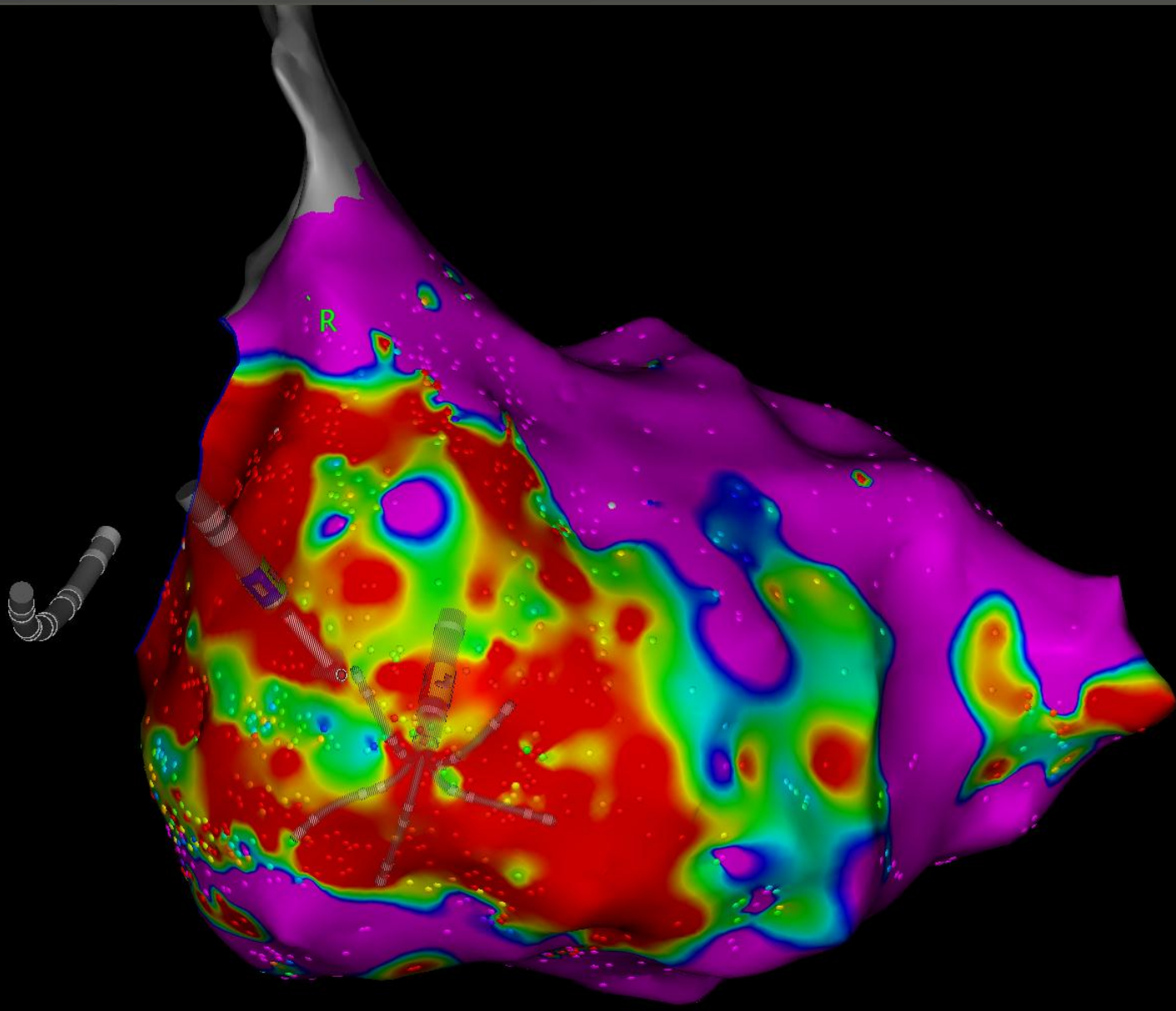




1-SCARMAP (1641, 0)

0.50 mV Bi 1.50 mV

Tag.Idx

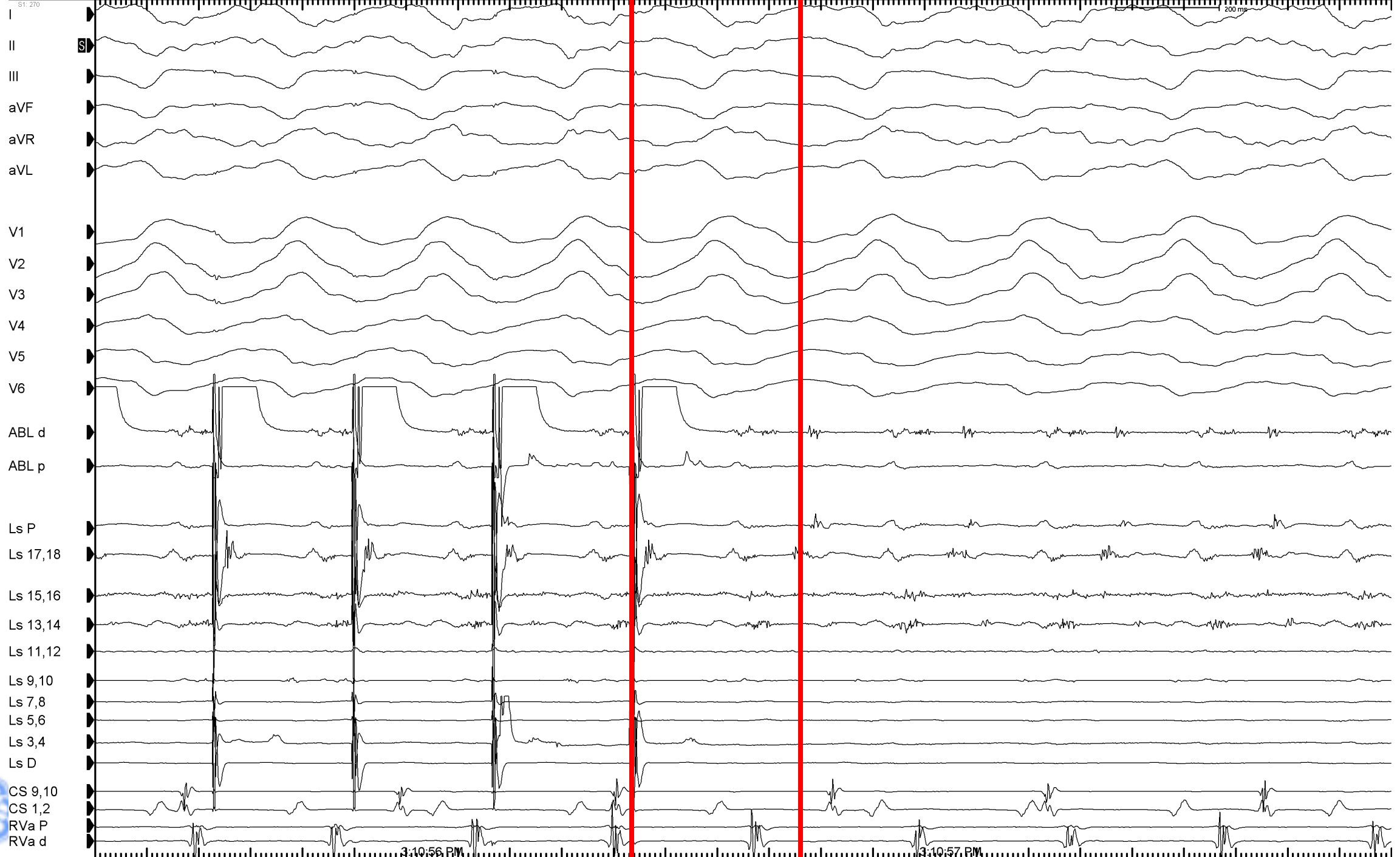


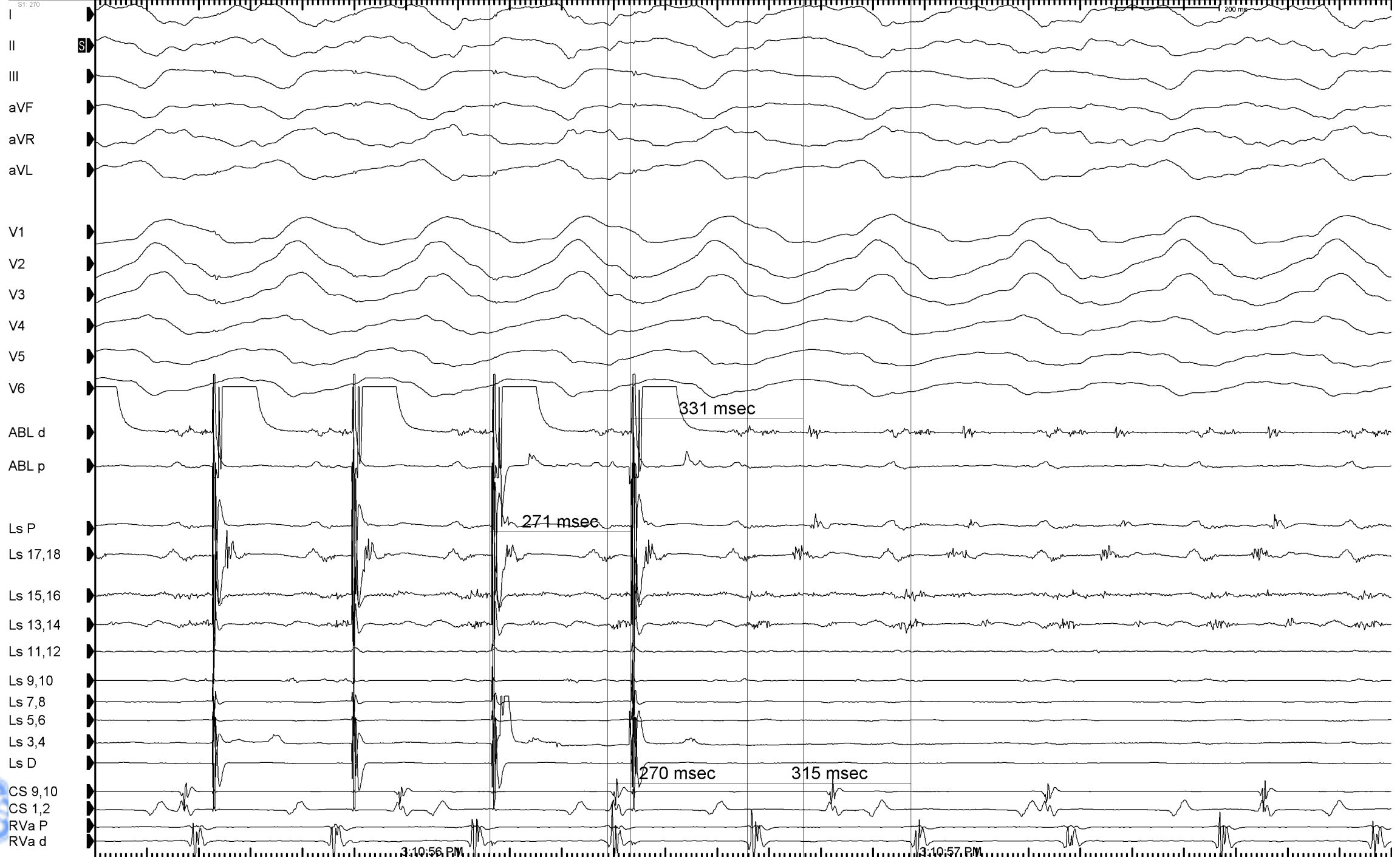
x

13

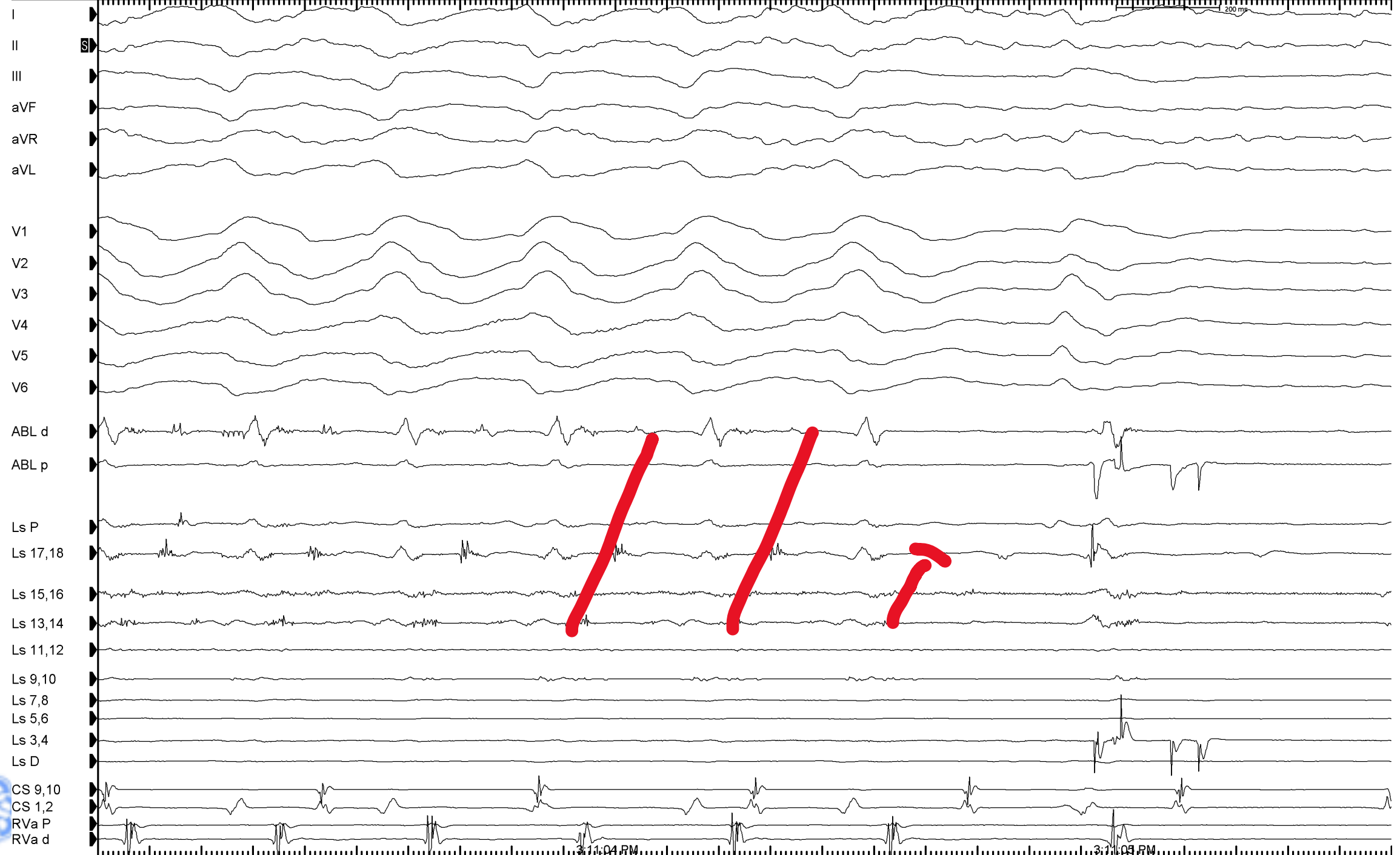
1.10

0% AP PA LAO RAO LL RL INF SUP

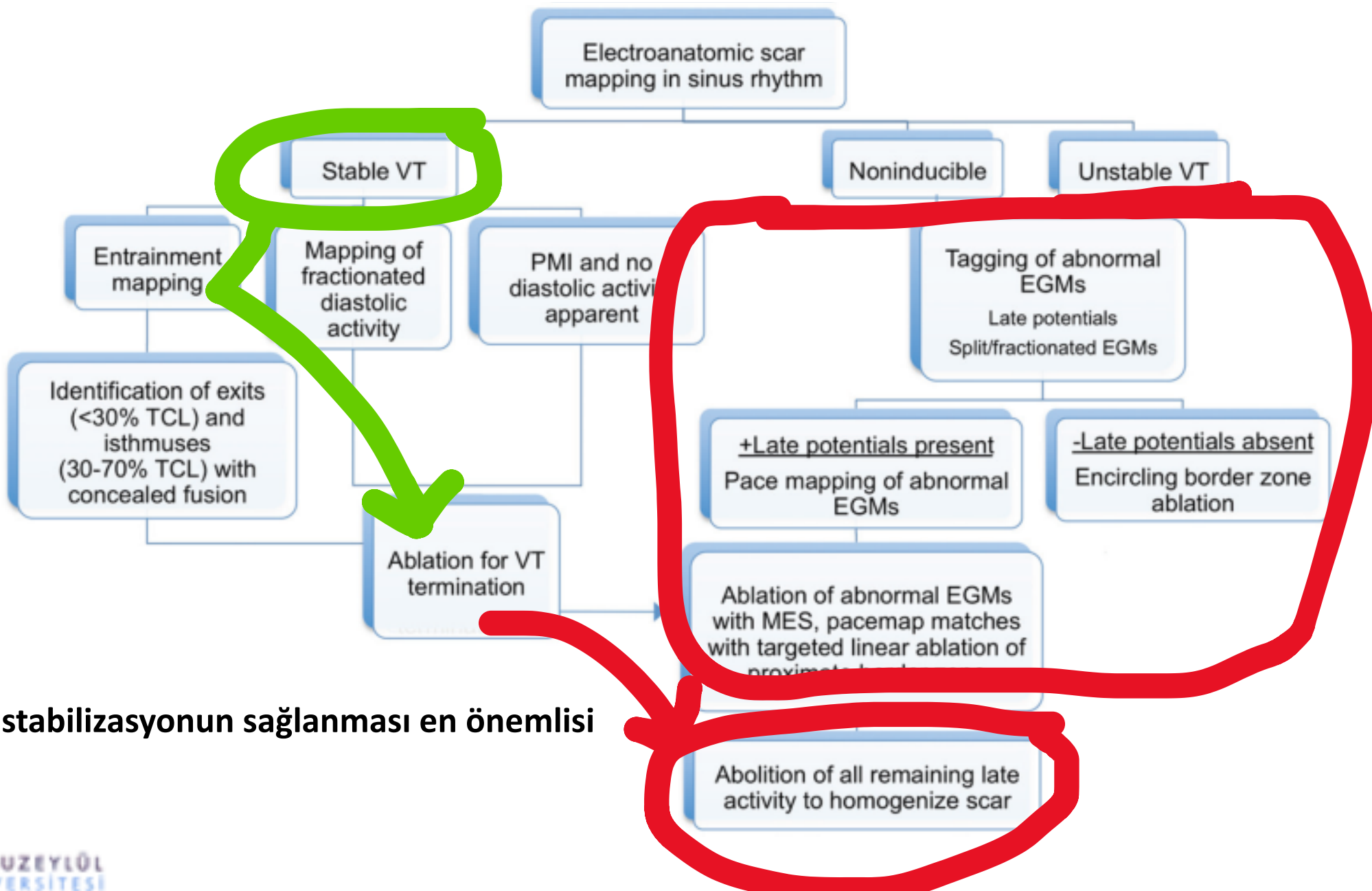




CS 9,10
CS 1,2
RVa P
RVa d



CS 9,10
CS 1,2
RVa P
RVa d



Hastanın stabilizasyonun sağlanması en önemlisi

İşlem öncesi HD değerlendirme ve hazırlık

- Hastanın hemodinamik ve metabolik durumu
- Konjesyon durumu
- Betabloker ve ACE inh dozlarının atlanması
- İnotrop gerekliliği
- Mekanik HD gerekliliği
- Anestezinin tipi ve derinliği
- VT'lerin HD toleransı
- Ablasyon stratejisinin belirlenmesi (Substrat ablasyonu veya substrat/ILAM kılavuzluğunda kısa aktivasyon haritalama)



EHRA

