

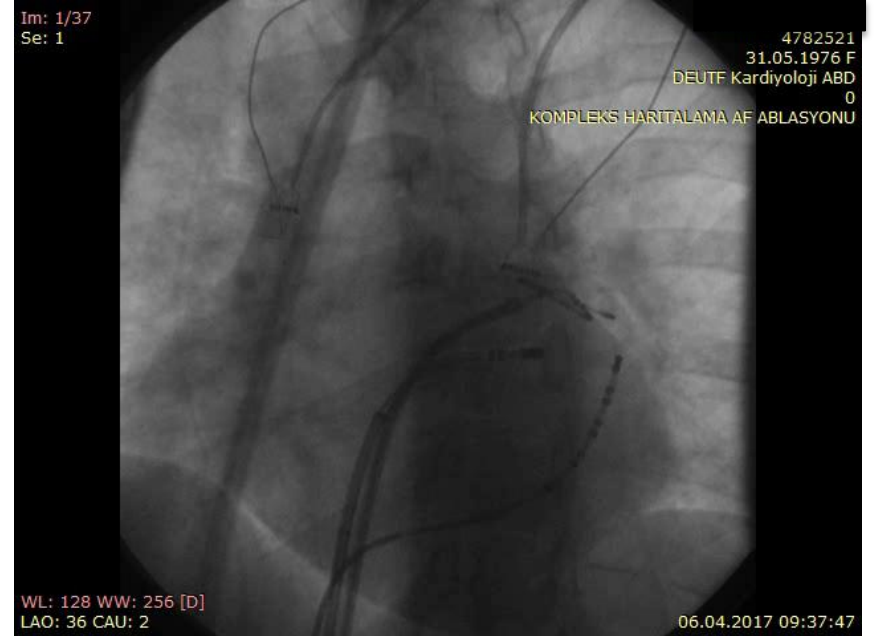
Üç Boyutlu Haritalamanın Püf Noktaları

Dr. Emin Evren Özcan
Dokuz Eylül Üniversitesi

Nokta Nokta Ablasyon

- Doğru - güvenilir bir anatomi
- Güvenli
- Etkili
- Kalıcı ablasyon hatları

Transseptal Ponksiyon



Yönlendirilebilen uzun kılıflar

Avantaj

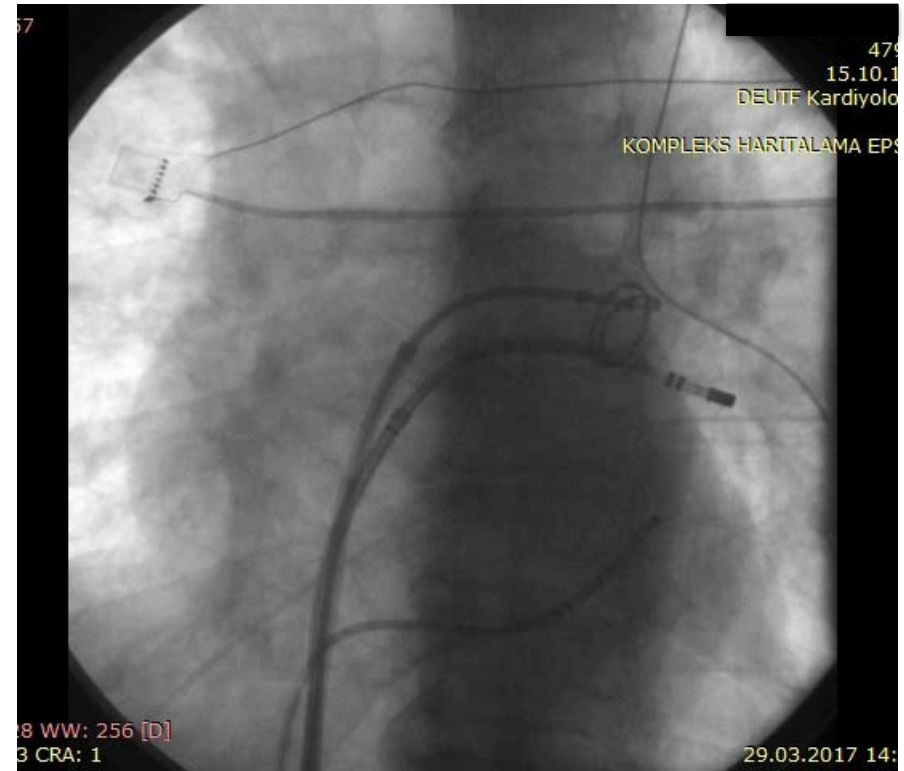
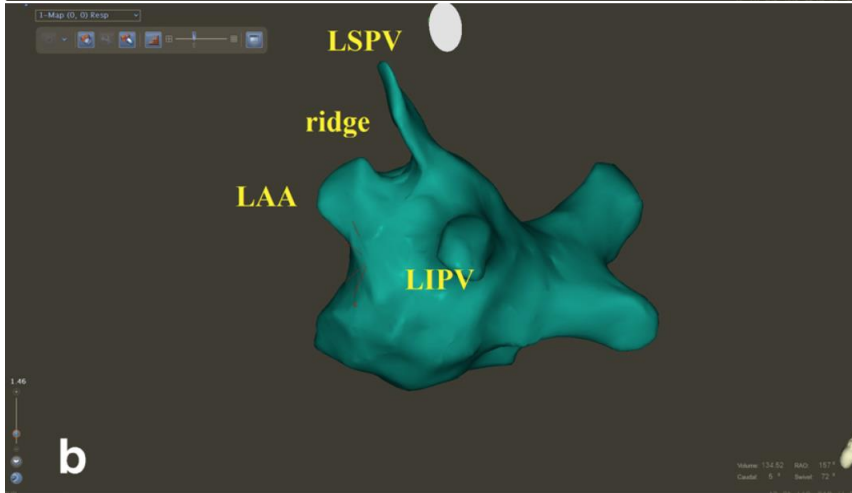
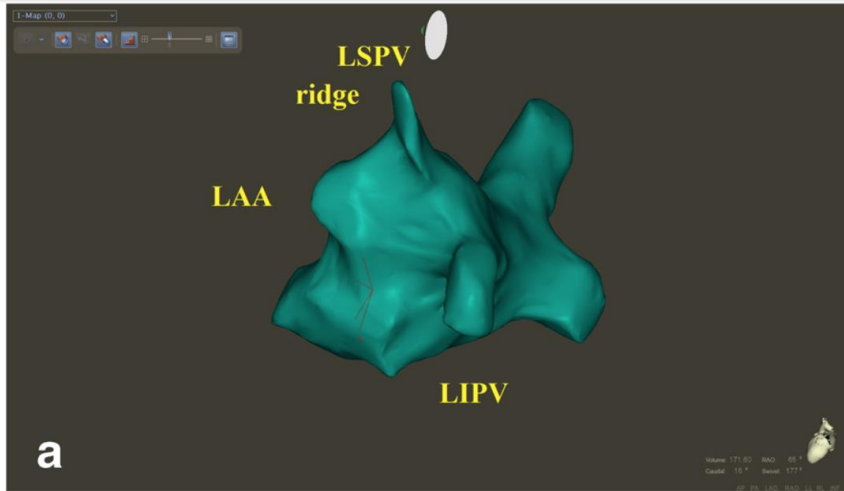
- Manevra kolaylığı
- Daha iyi destek



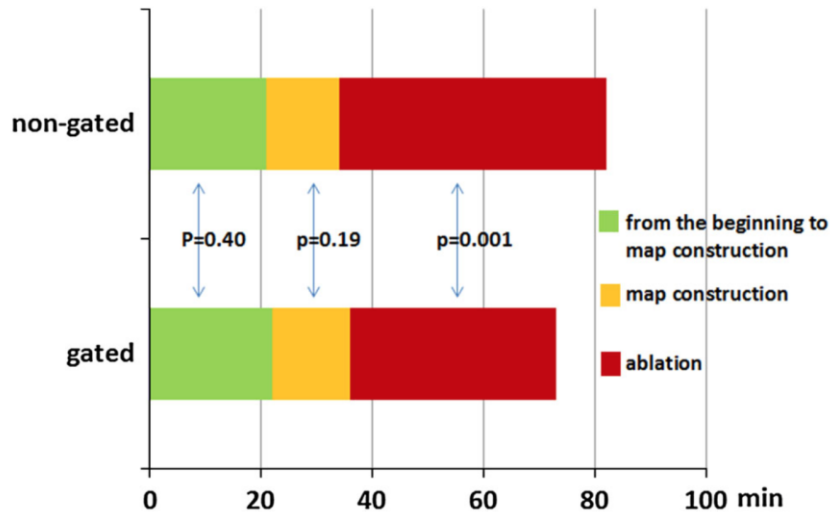
Dezavantaj

- Maliyet
- Daha iyi destek!

Respiration Gating



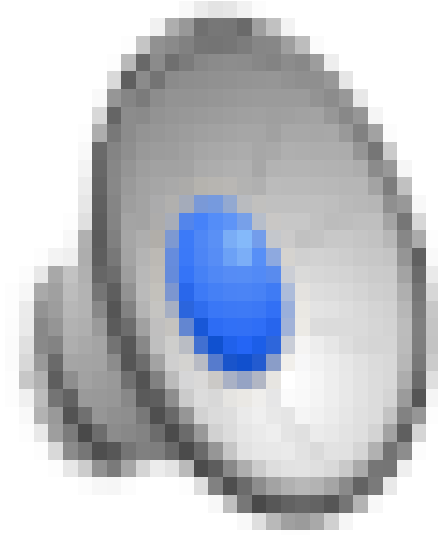
Respiration Gating



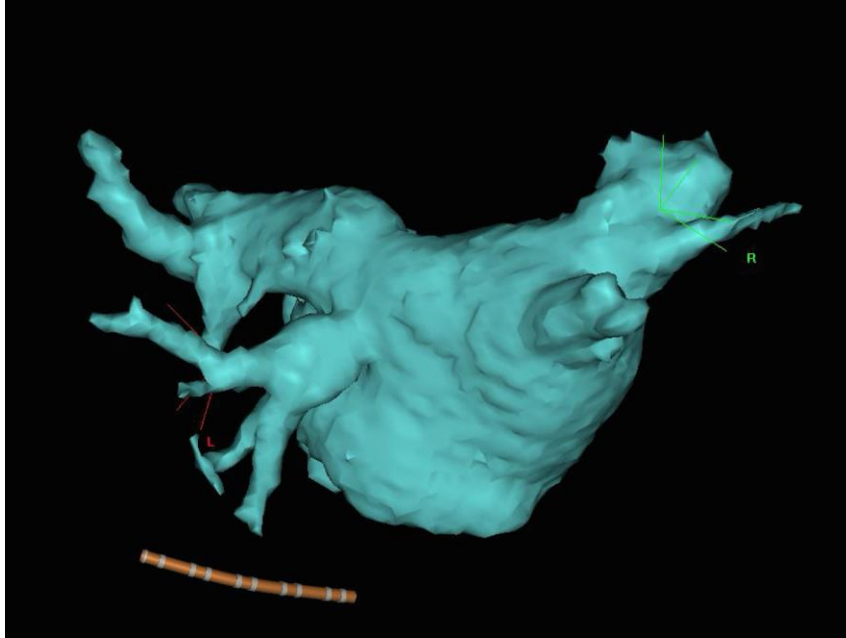
	Nongated median (IQR)	Gated median (IQR)	<i>p</i>
Start until mapping (min)	21 (16–25)	22 (17–27)	0.40
Map construction (min)	13 (10–18)	14 (12–16)	0.19
Ablation (min)	48 (39–65)	37 (32–53)	0.001
Total (min)	82 (72–104)	77 (66–95)	0.03
Fluoroscopy (min)	16 (12–22)	14 (9–17)	0.005
RF application (s)	1,802 (1,344–2,448)	1,554 (1,213–2,196)	0.11

İşlem Öncesi Görüntüleme

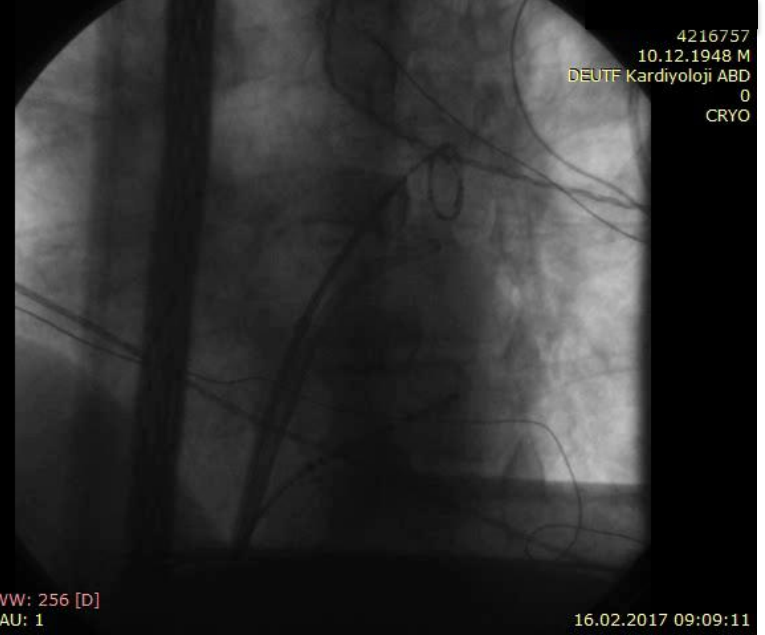
- Uygun tekniğin önceden belirlenmesi
- Haritalama ve ablasyon akışına yardımcı
- Tekrarlayan girişimlerde PV stenoza kontrol



İşlem Öncesi Görüntüleme



Im: 1/24
Se: 1

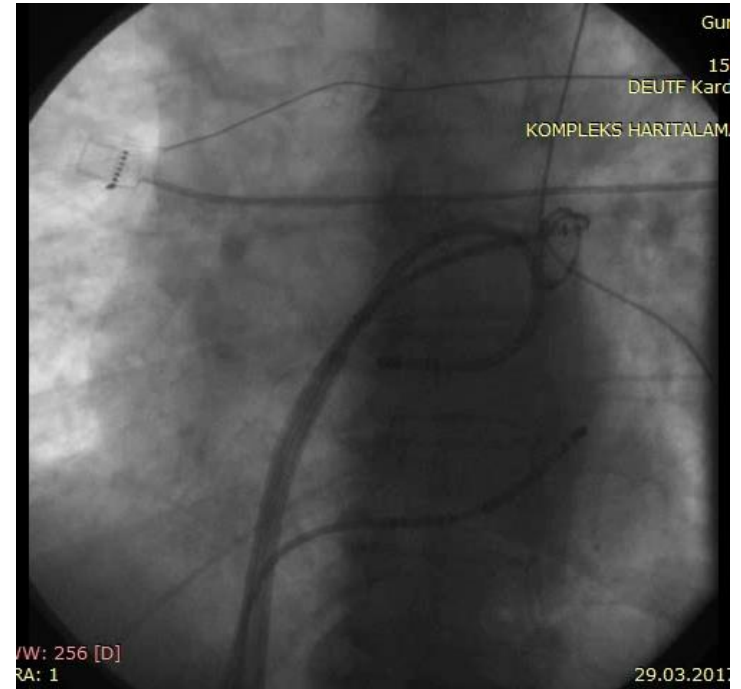
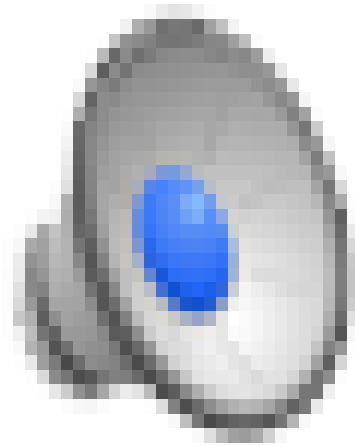


4216757
10.12.1948 M
DEUTF Kardiyoloji ABD
0
CRYO

WL: 128 WW: 256 [D]
LAO: 42 CAU: 1

16.02.2017 09:09:11

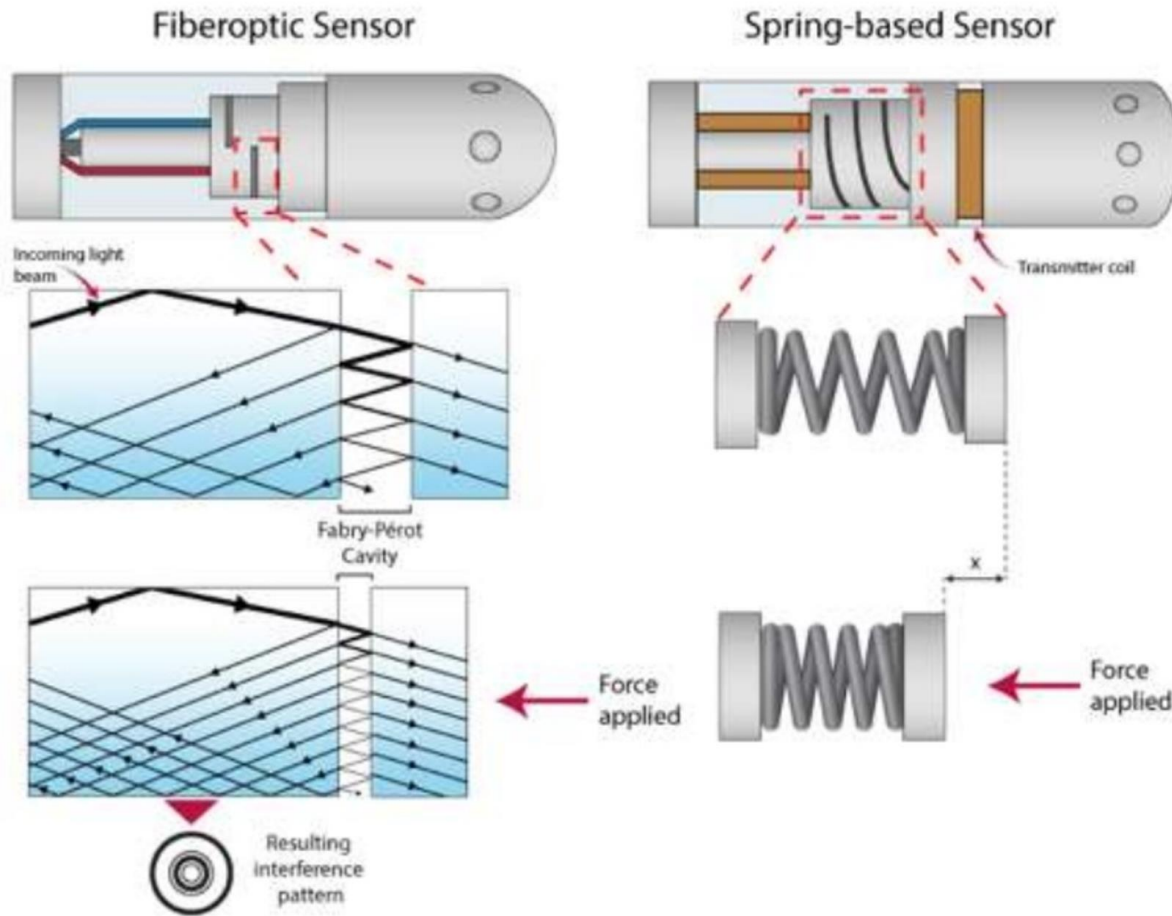
Temas Gücü



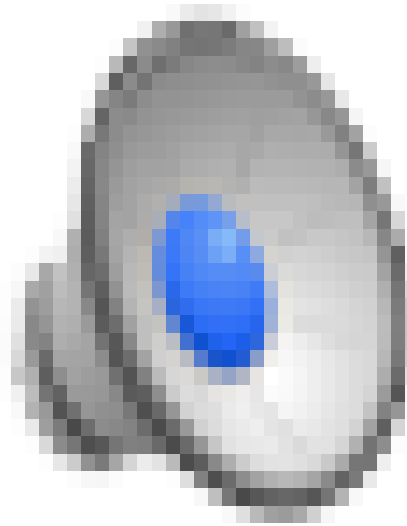
Temas Gücü



Temas Gücü



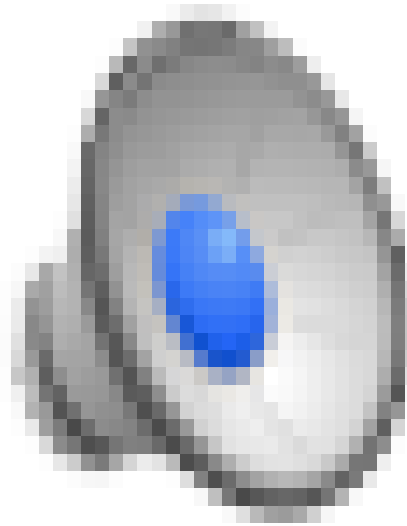
Anatomi Oluřturulması



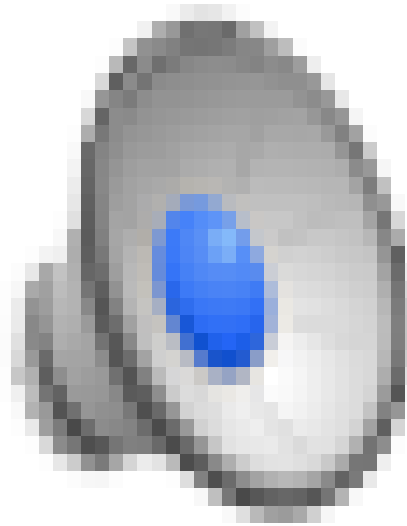
Anatomi Oluşturulması – Lasso vs Abl



Anatomi Oluřturulması

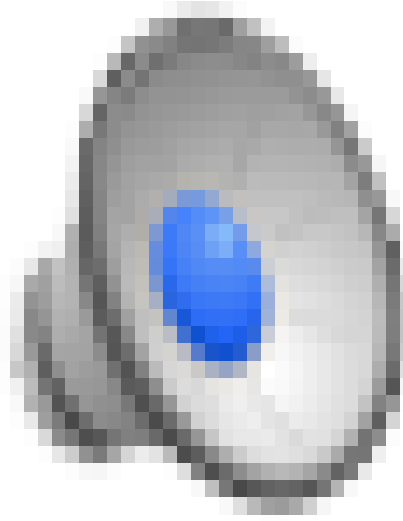


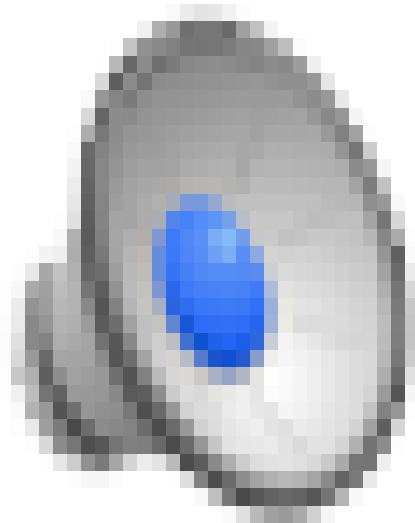
Anatomi Oluřturulması – LAA



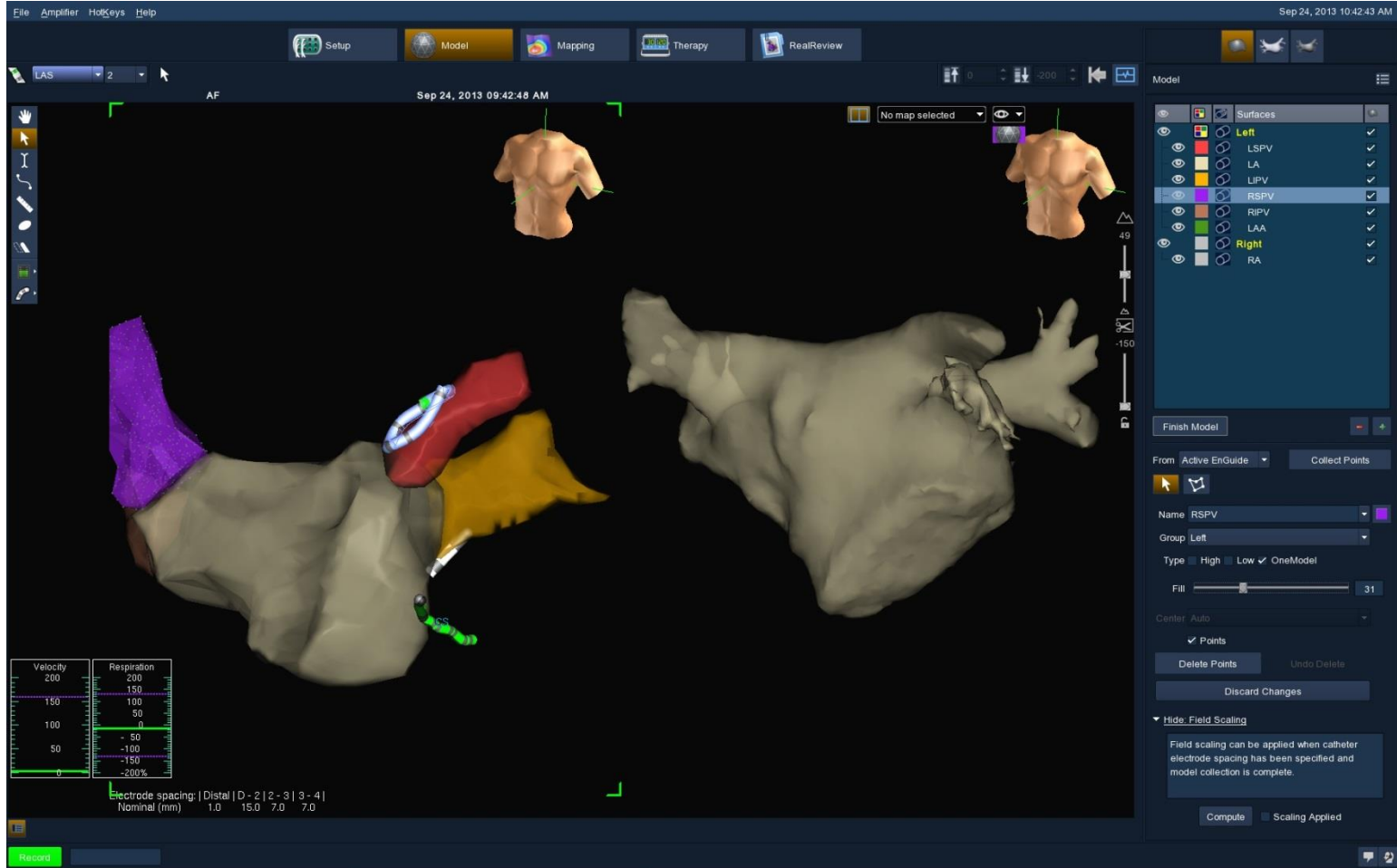
Anatomi Oluřturulması – İnce Ayar

- İnce ayar





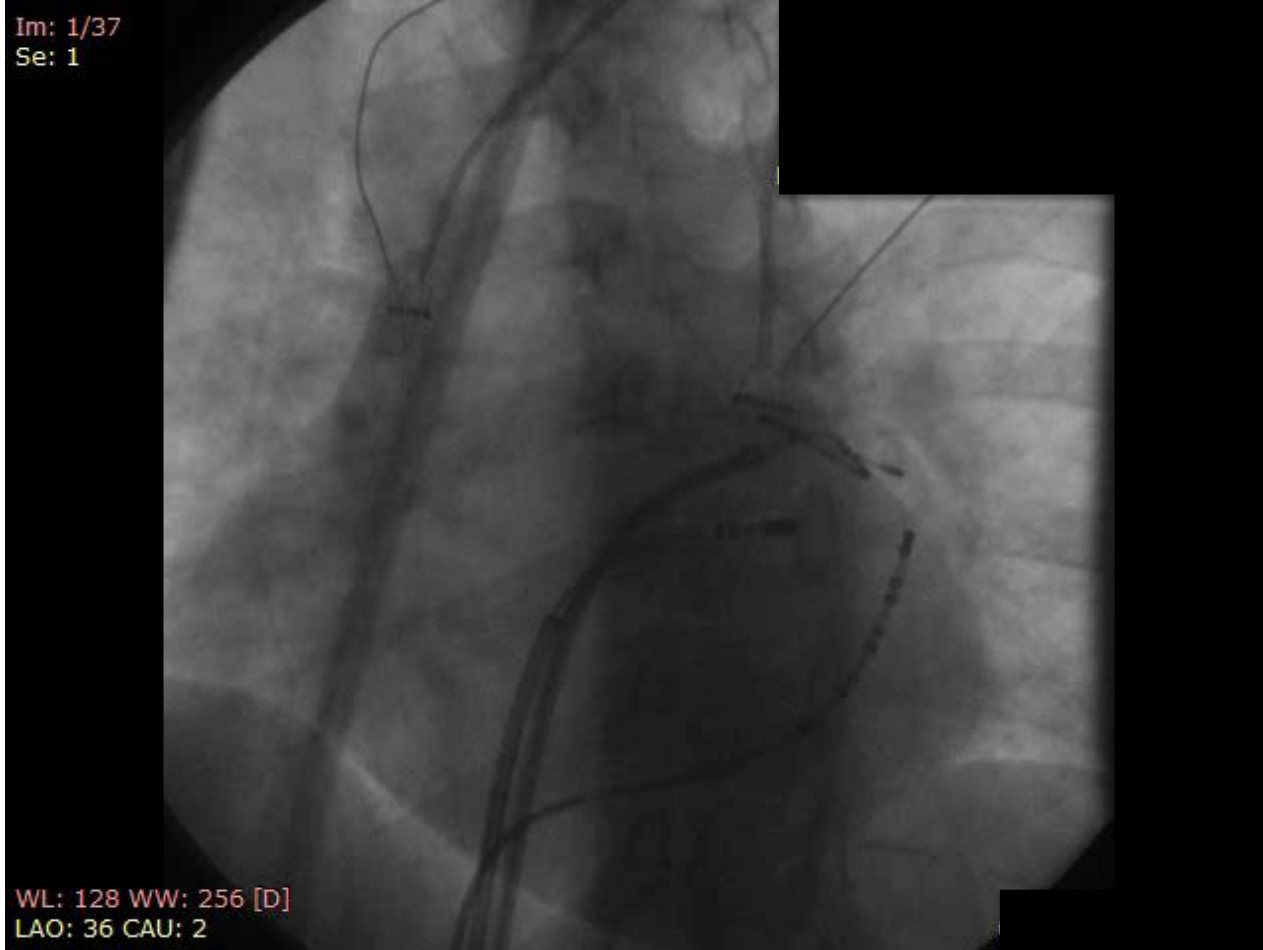
İmaj Entegrasyonu



İmaj Entegrasyonu



İmaj Entegrasyonu - Kontrol



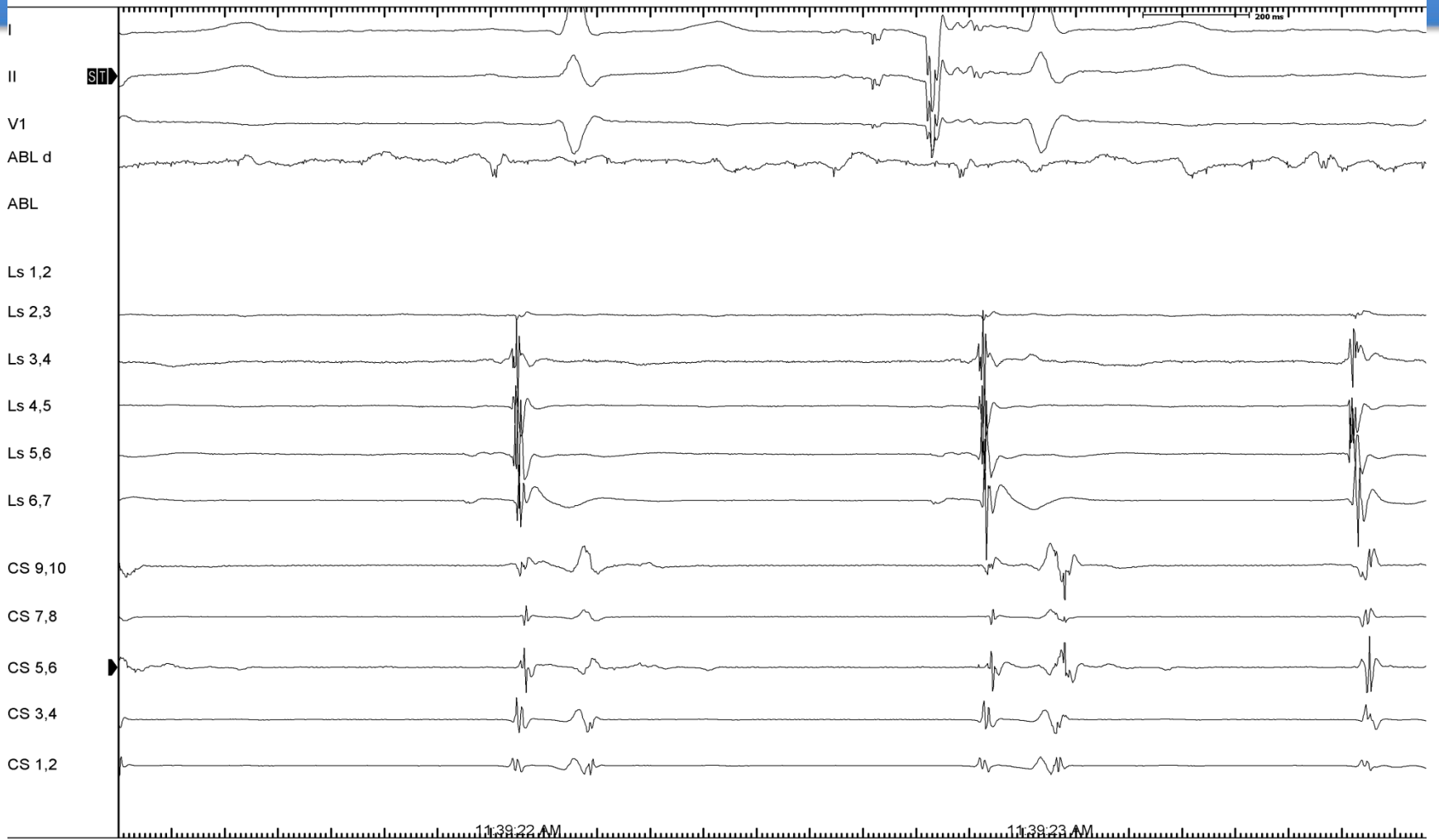
Farklı Açılardan Ablasyon Hattı



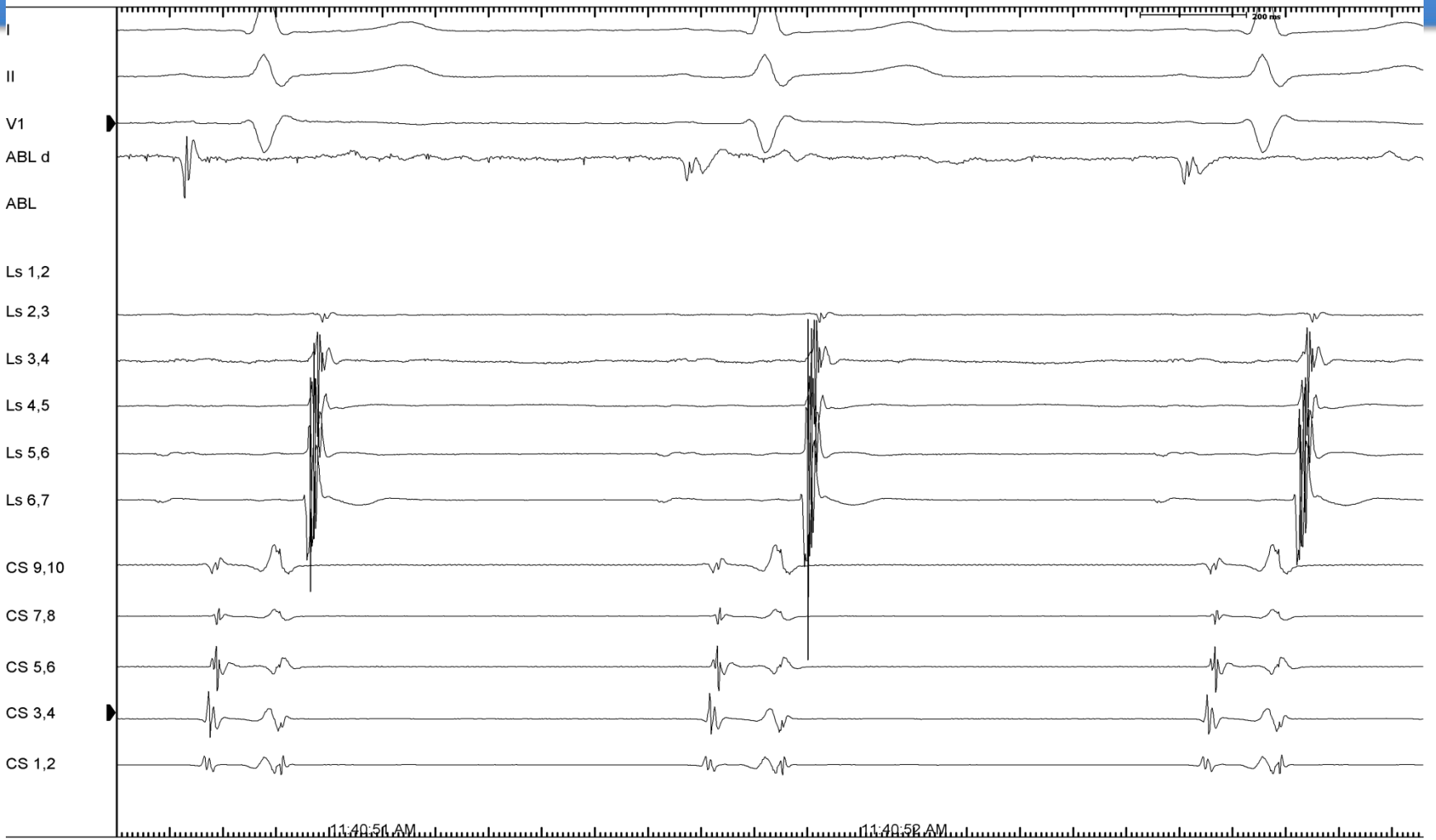
Farklı Açılardan Ablasyon Hattı



Pulmoner Ven Kayıtları



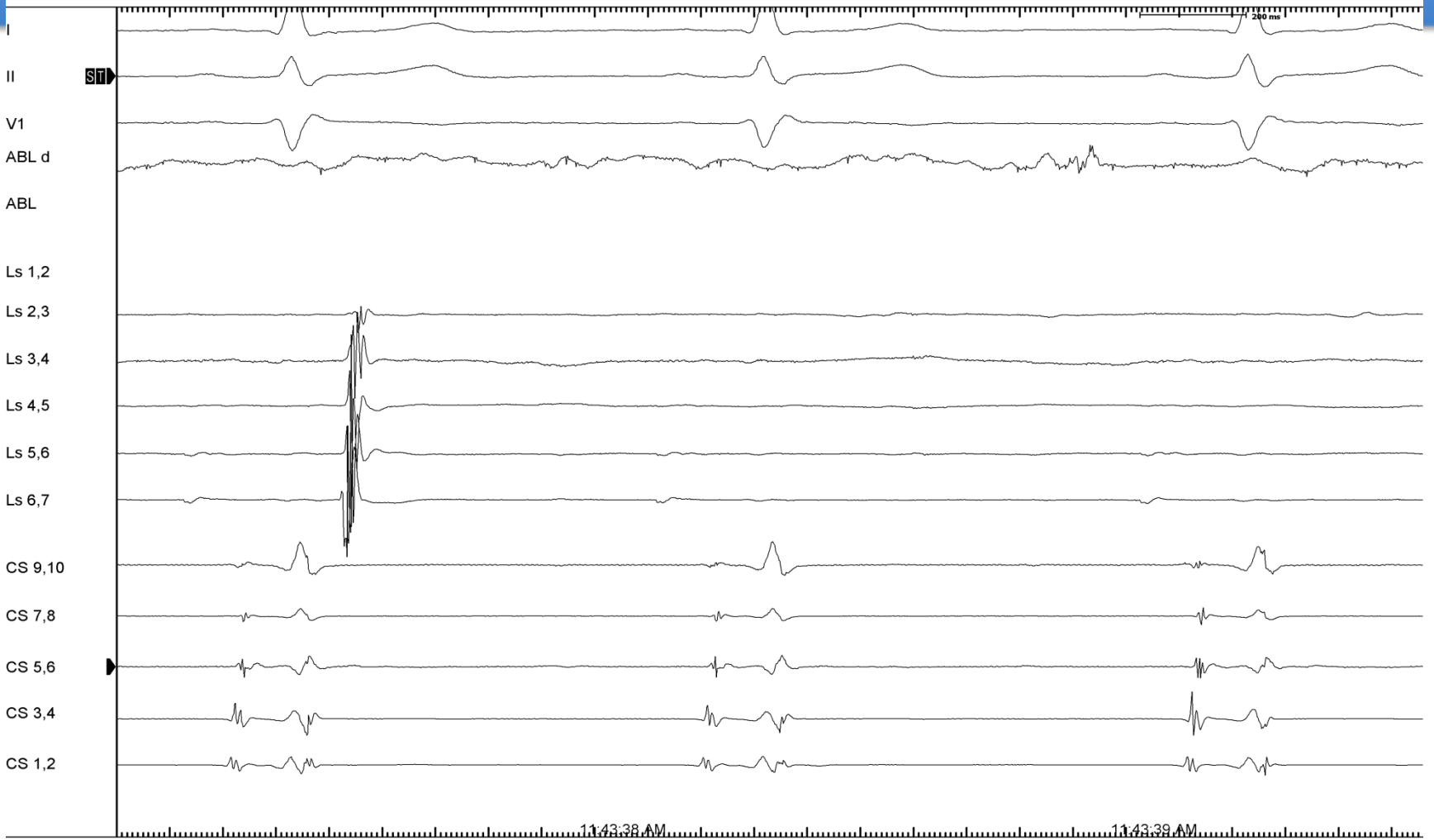
Pulmoner Ven Kayıtları



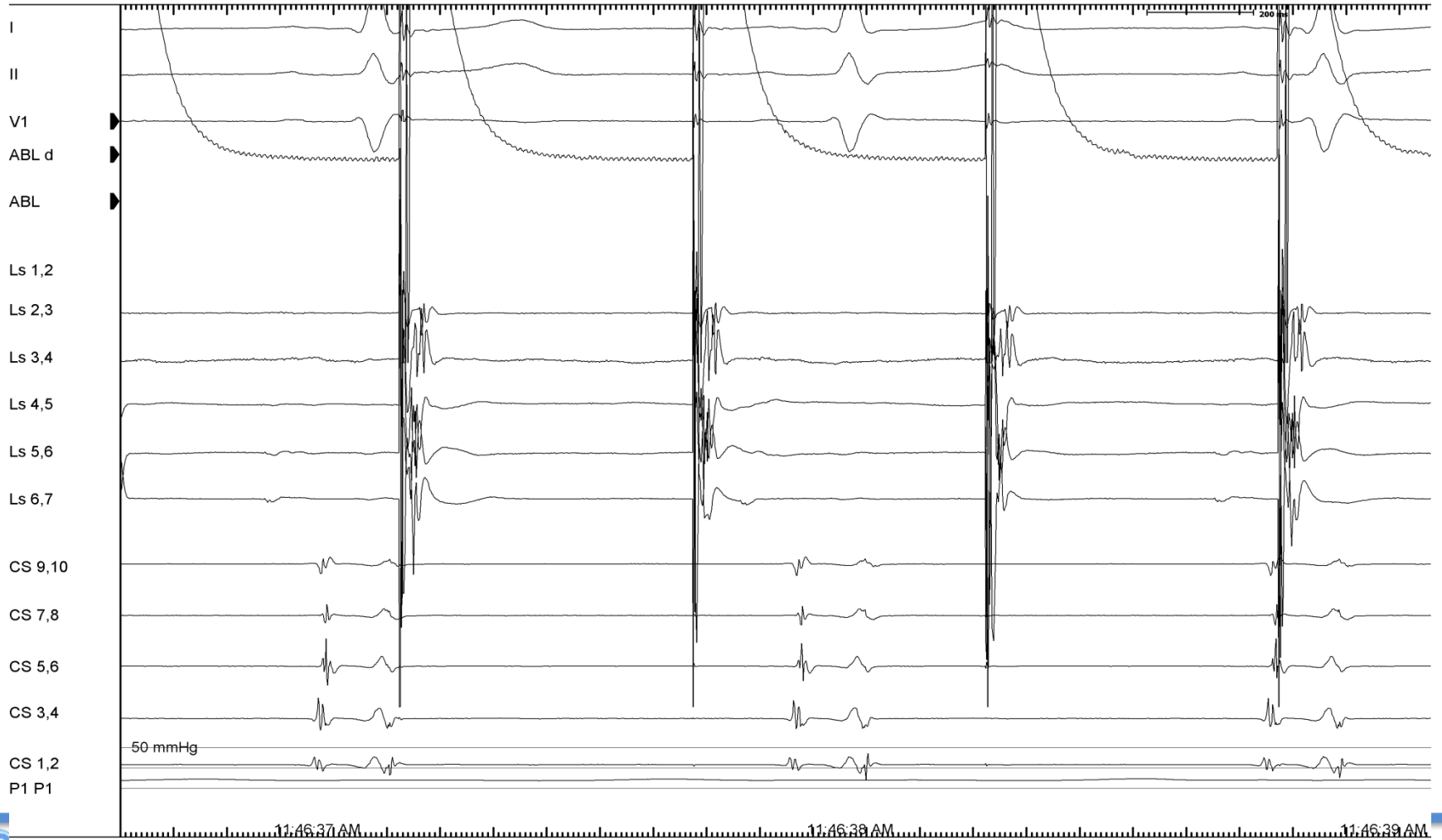
Sol taraf venlerin izolasyonu



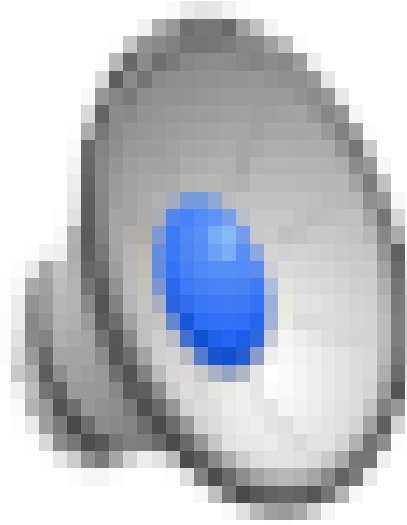
Pulmoner Ven Kayıtları - Giriş bloğu



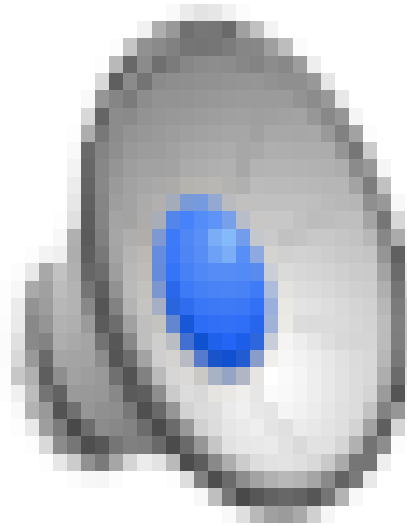
Pulmoner Ven Kayıtları - Çıkış bloğu



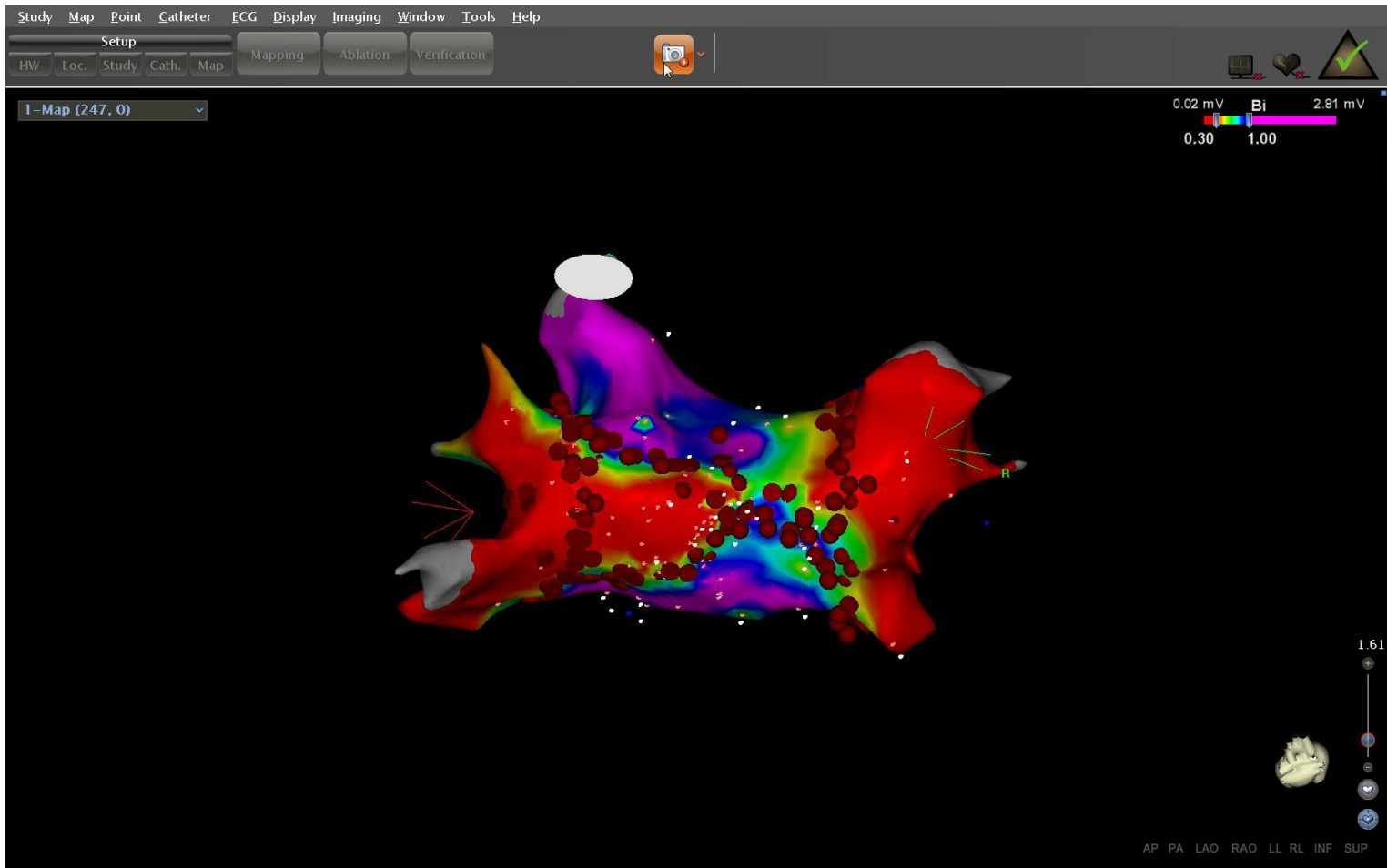
GAP'in bulunması



Temas Gücü



Persistent AF



Hatların kontrolü

EPTracer DEMO software - CardioTek B.V. - Maastricht, The Netherlands

Version WIN2000/XP : EP-Tracer REPLAY V2.1



Patient : / AF CARTO / File : C [REDACTED] ECG.000
Comment : roofline oncesi

Offline printed on : 06-04-2017 at 14:29:16.
File recorded on : 01.03.2017 at 18:16:34. Time in file 3936363 msec.

Hatların kontrolü

EPTracer DEMO software - CardioTek B.V. - Maastricht, The Netherlands

Version WIN2000/XP : EP-Tracer REPLAY V2.1



Patient : / AF CARTO / File : C [REDACTED] ECG.000
Comment : roofline sonrası

Offline printed on : 06-04-2017 at 14:29:29.
File recorded on : 01.03.2017 at 18:16:34. Time in file 4240836 msec.

Sol Atriyumdan ıkmadan

- Beklemek
- Pulmoner Ven İzolasyonunun kontrolü
- Pulmoner Ven Dışı Tetikleyicilerin Araştırılması
- Hatların Kontrolü

Sonuç





EHRA


Genç Elektrofizyologlar


<http://www.escardio.org/The-ESC/Communities/ESC-Young-Community/Young-electrophysiologists>


eminevrenozcan@gmail.com

Bekleme ve İndüksiyon

Preferences

Graphs 

Force 

VISITAG™ 

Modes

Respiration Adjustment

Source Selection

Filter Thresholds

Catheter Position Stability

Min. Time Sec Max. Range mm

Force Over Time

Time % Min. Force g

Impedance Drop Ω

Target Temp. $^{\circ}\text{C}$

VISITAG™ Location Display

Coloring

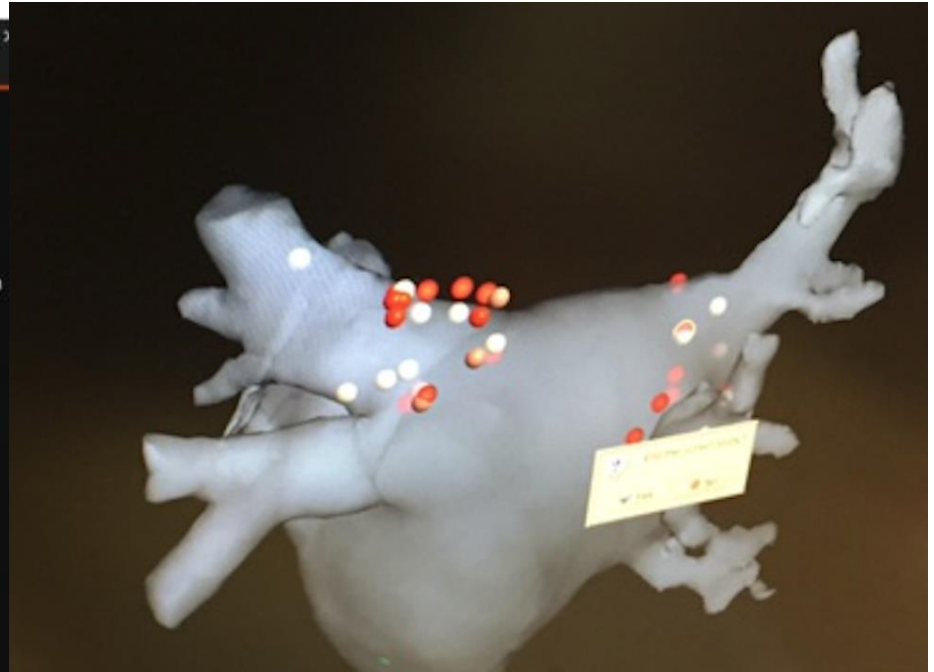
Grid Display

Coloring

Projection

Size

Show Excluded Grid



GAP'in bulunması

