

VT case

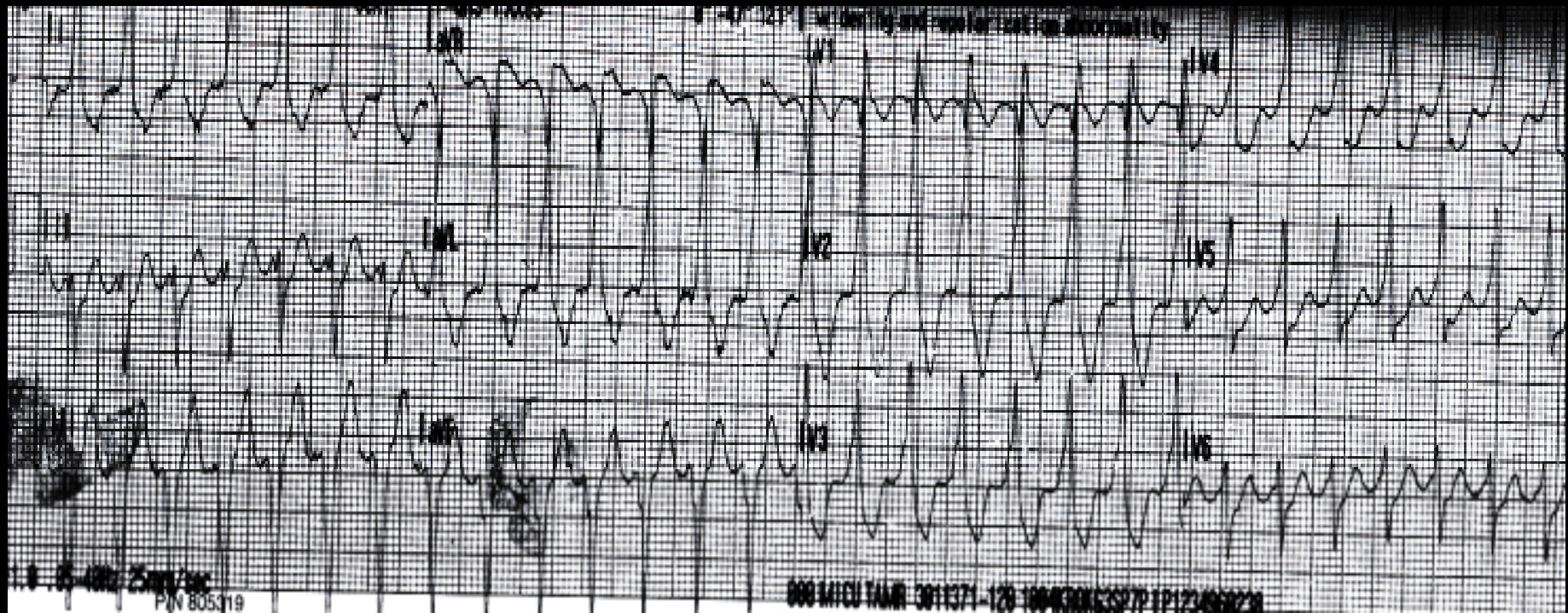
Moti Haim

Rabin Medical Center

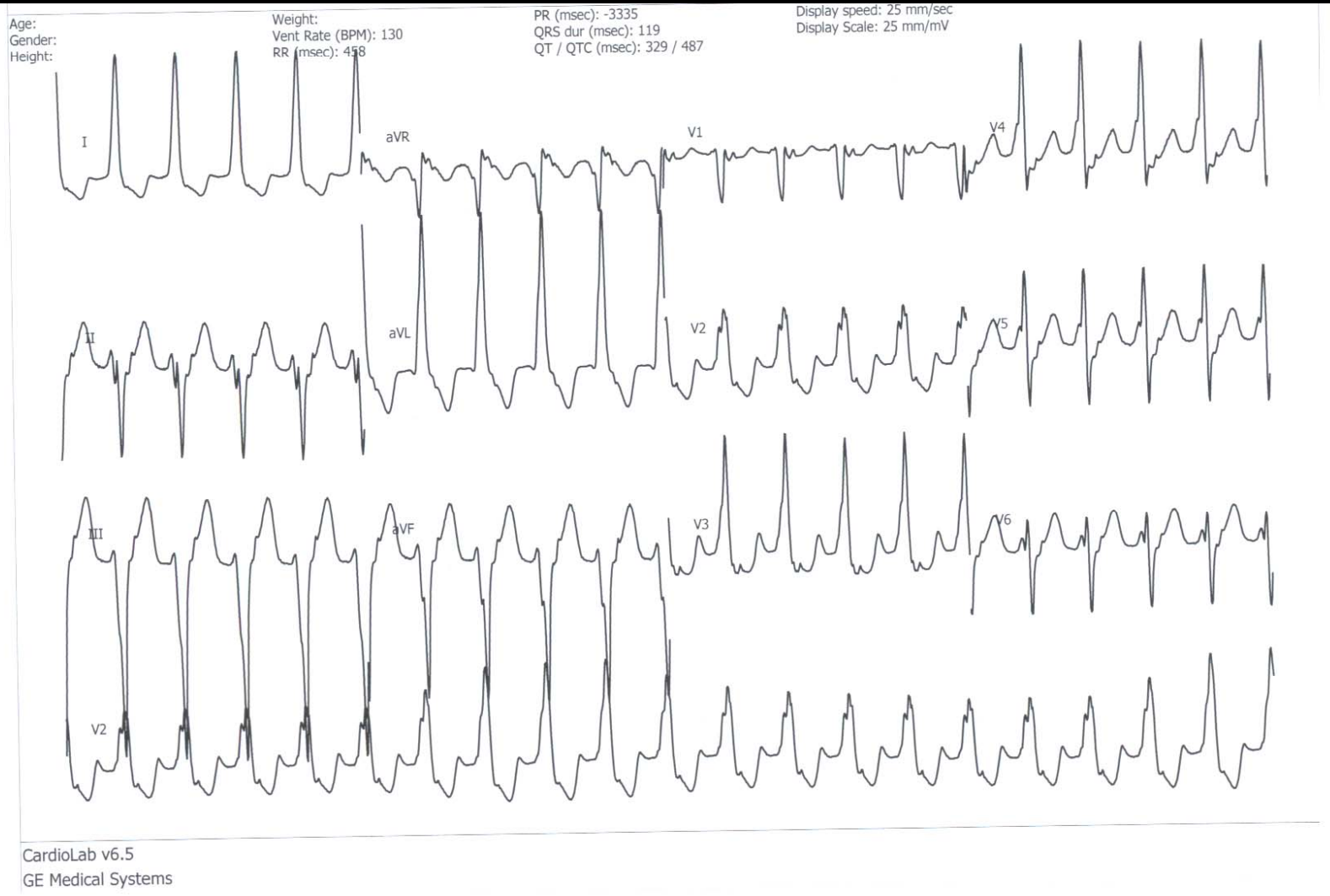
# Clinical History

- 52 year old man
- s/p Inferior wall MI 2008
- Primary PCI to RCA
- Single vessel CAD
- Good LV function
- Presented with WCT

# ECG



# ECG



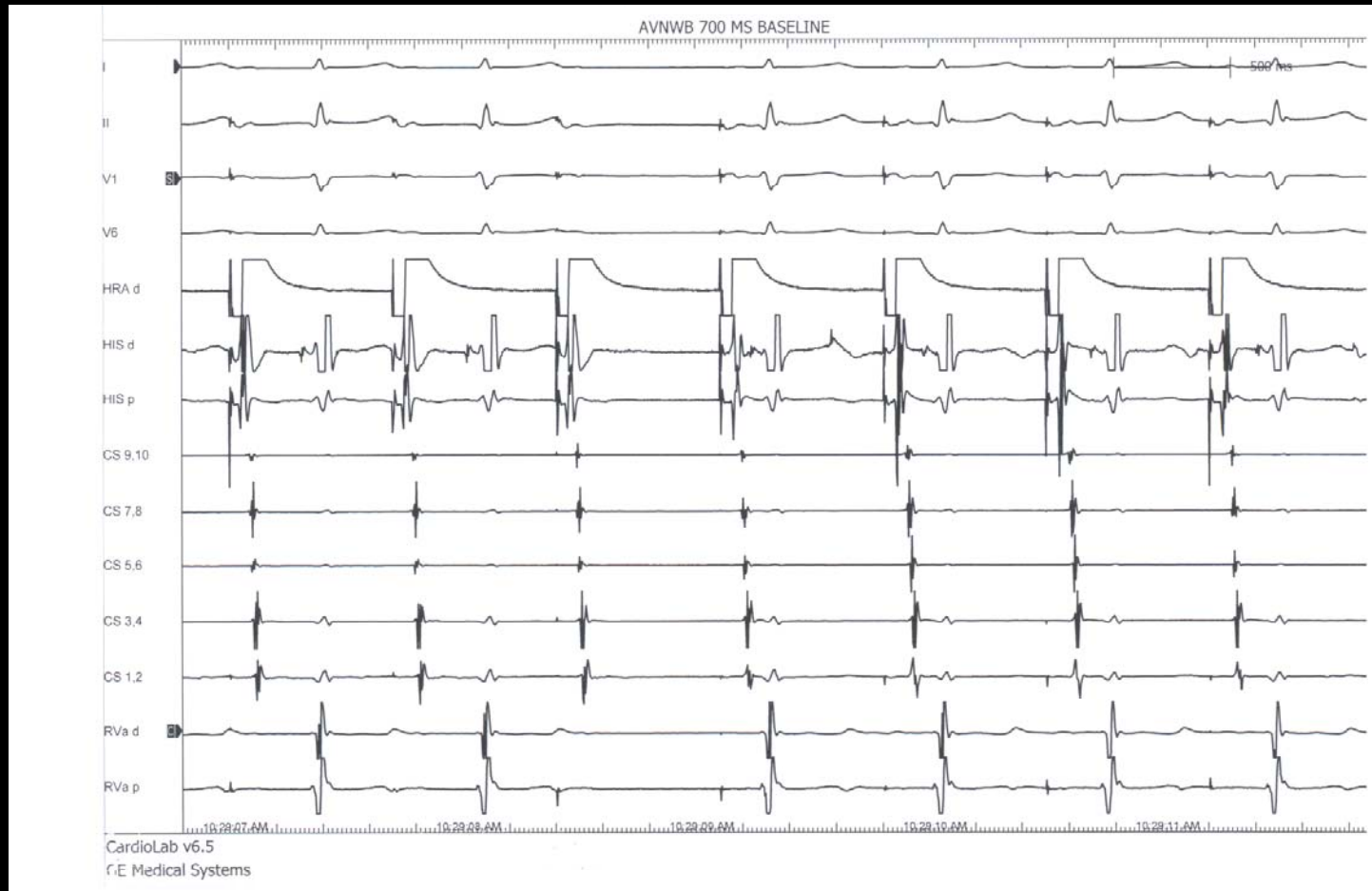
- Presented several times to ED
- Treated with adenosine converted to NSR
- Other occasions treated with Verapamil successfully

EPS

# Baseline



# Baseline

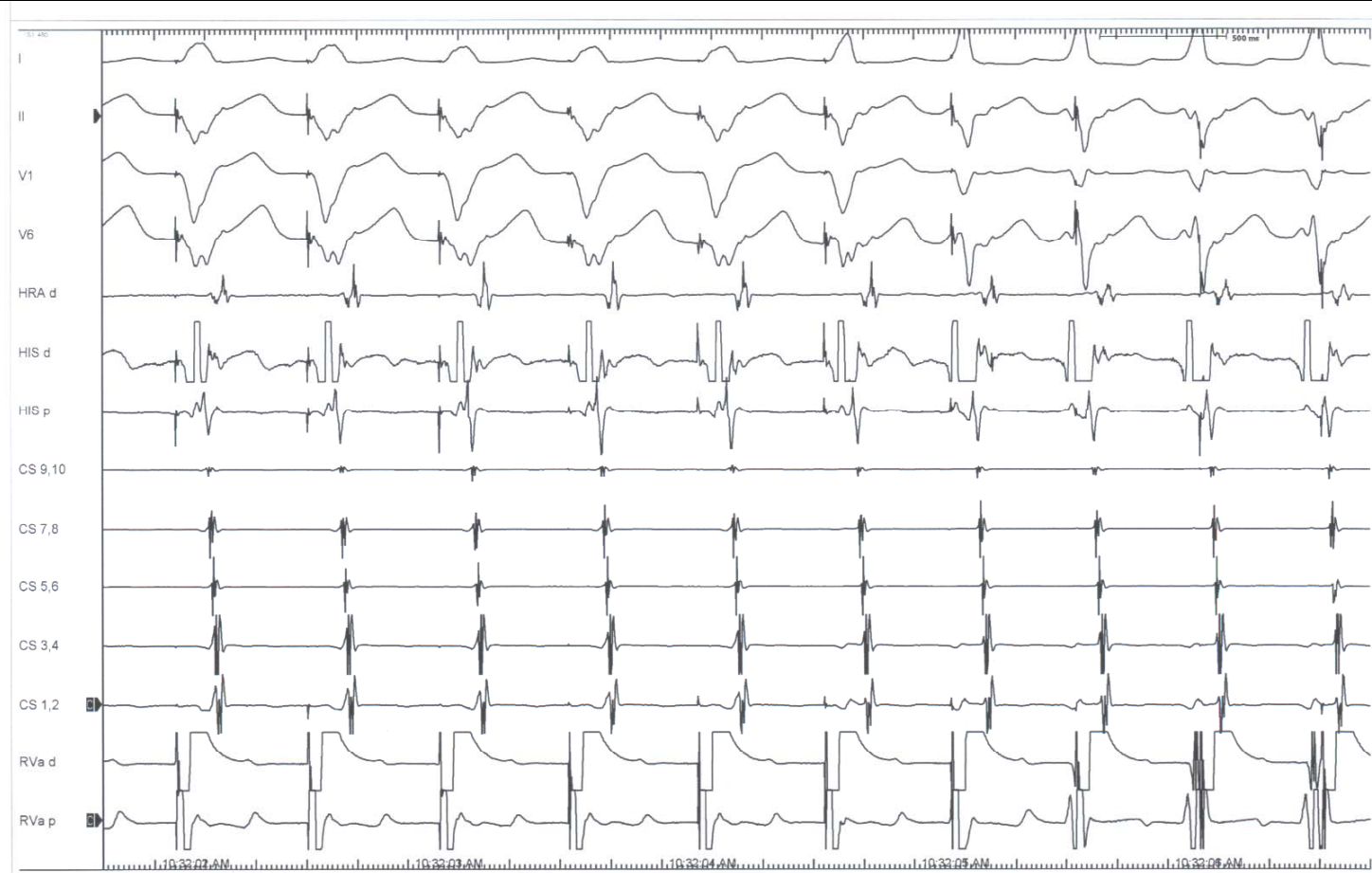




# AV node ERP 600-470ms with no evidence of dual AV node physiology

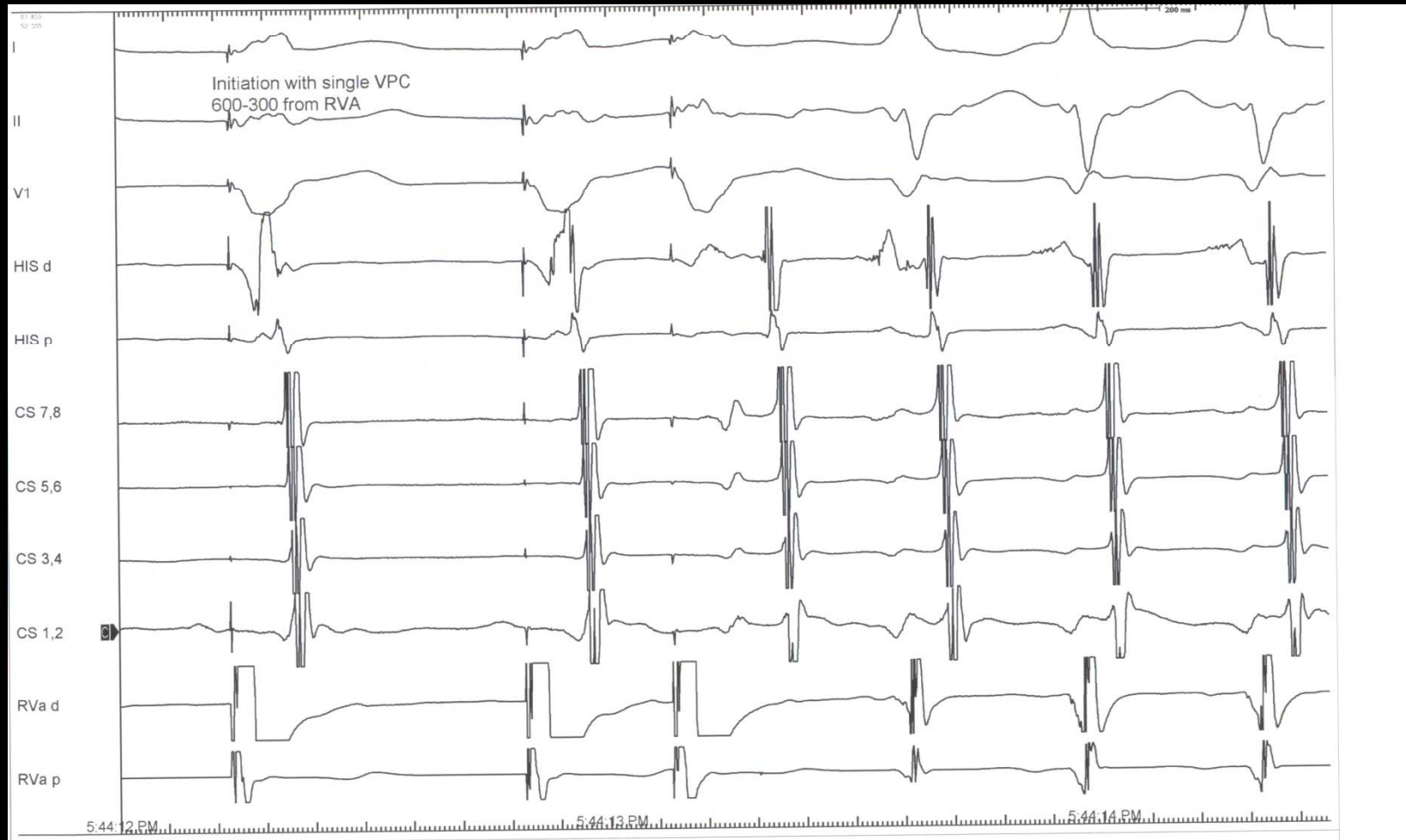


# Initiation of WCT

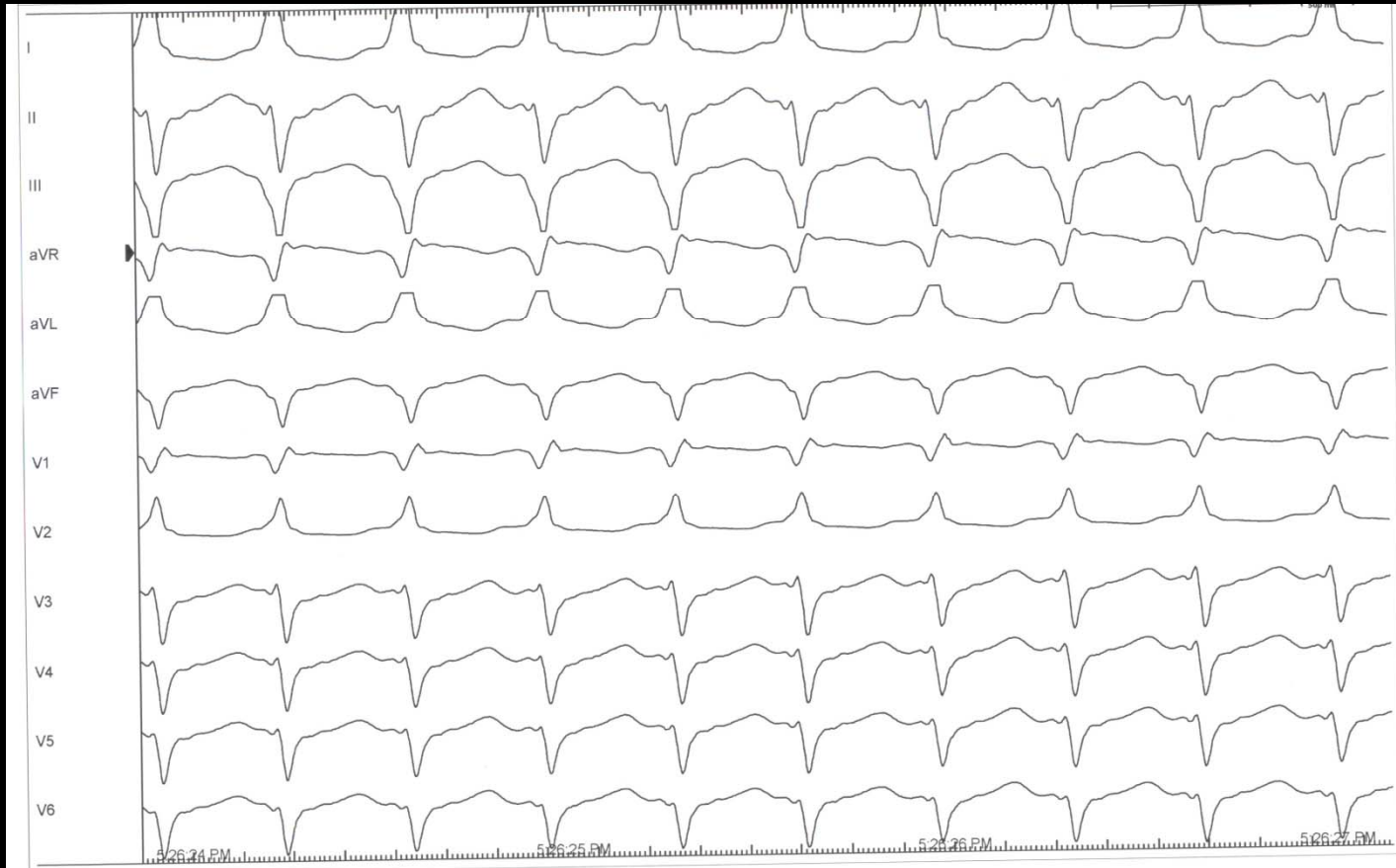


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GE Medical Systems

# Initiation of WCT



# WCT

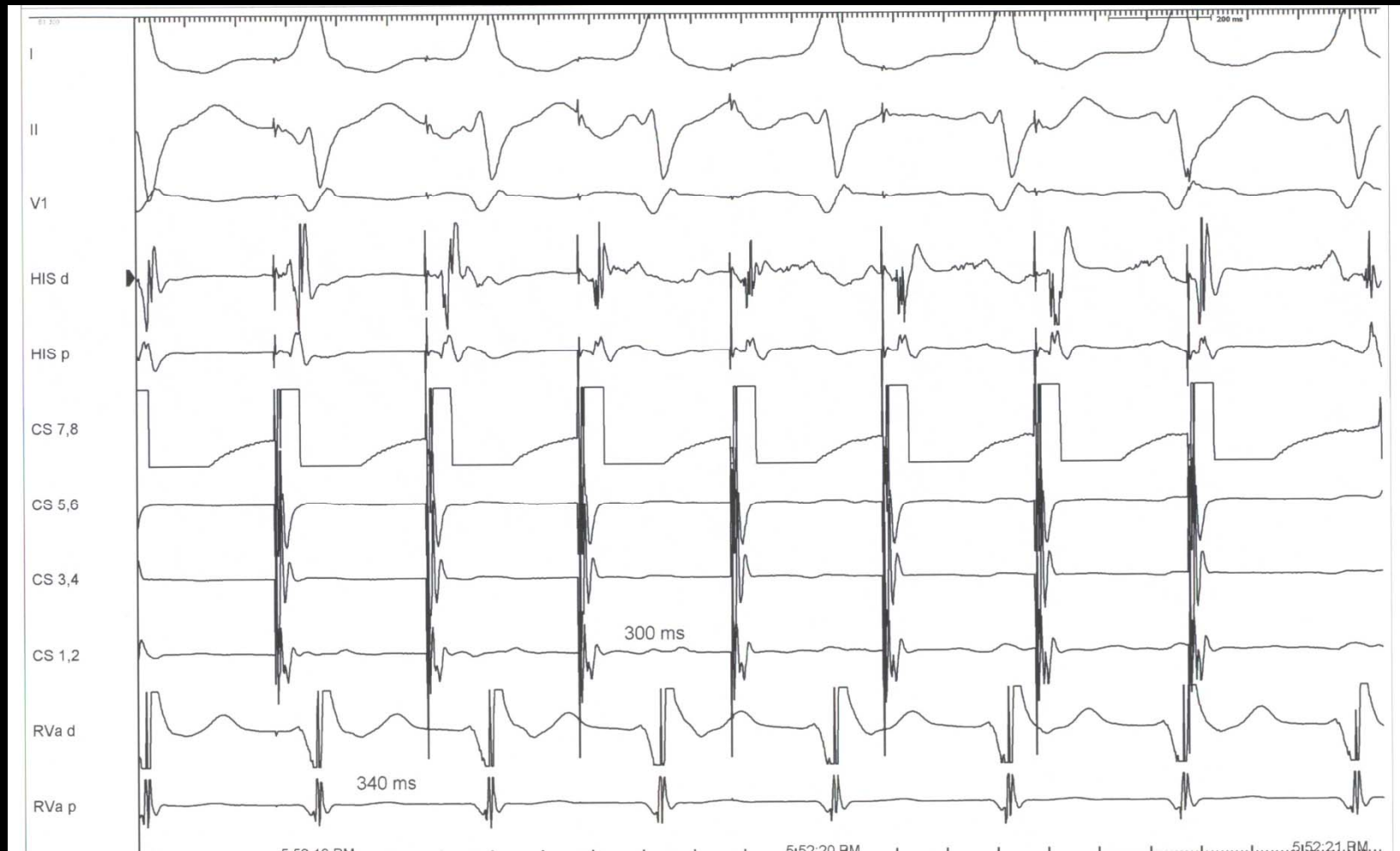


# WCT

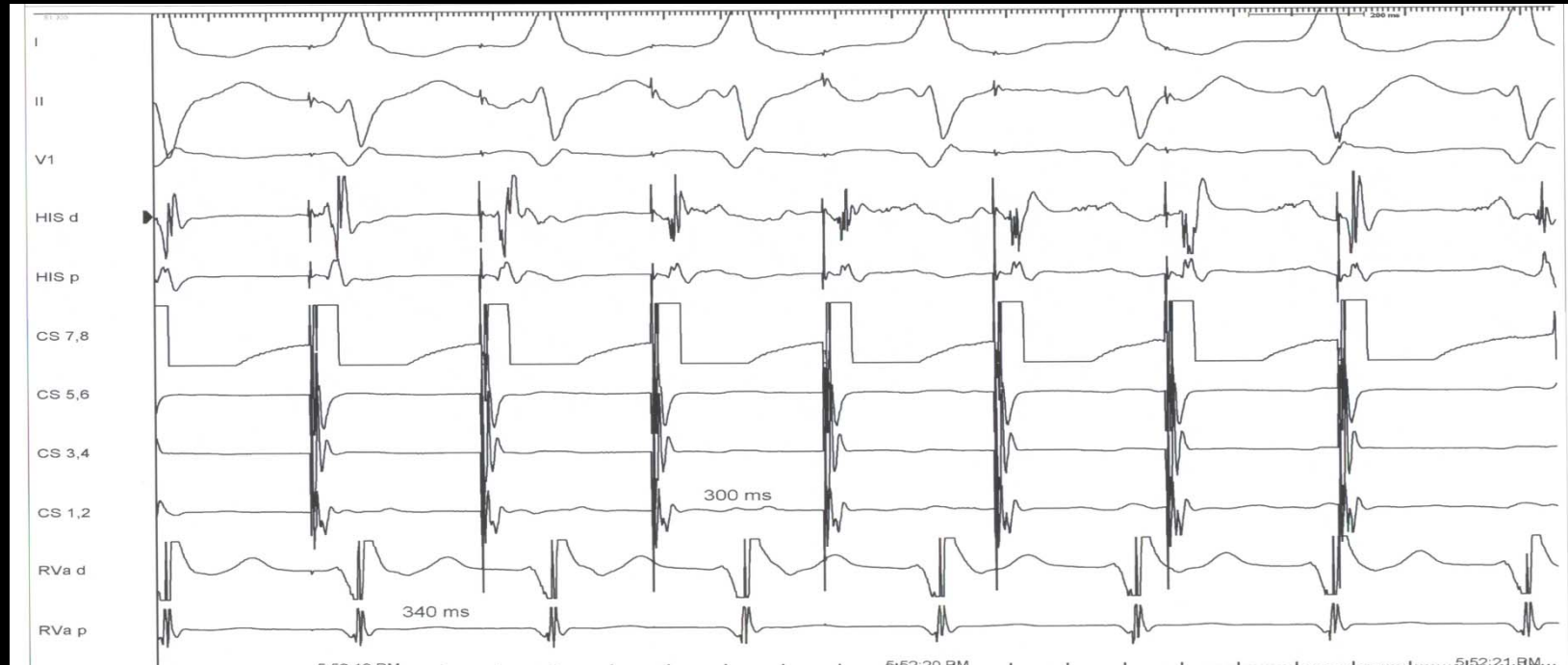


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# Atrial Pacing during Tachycardia



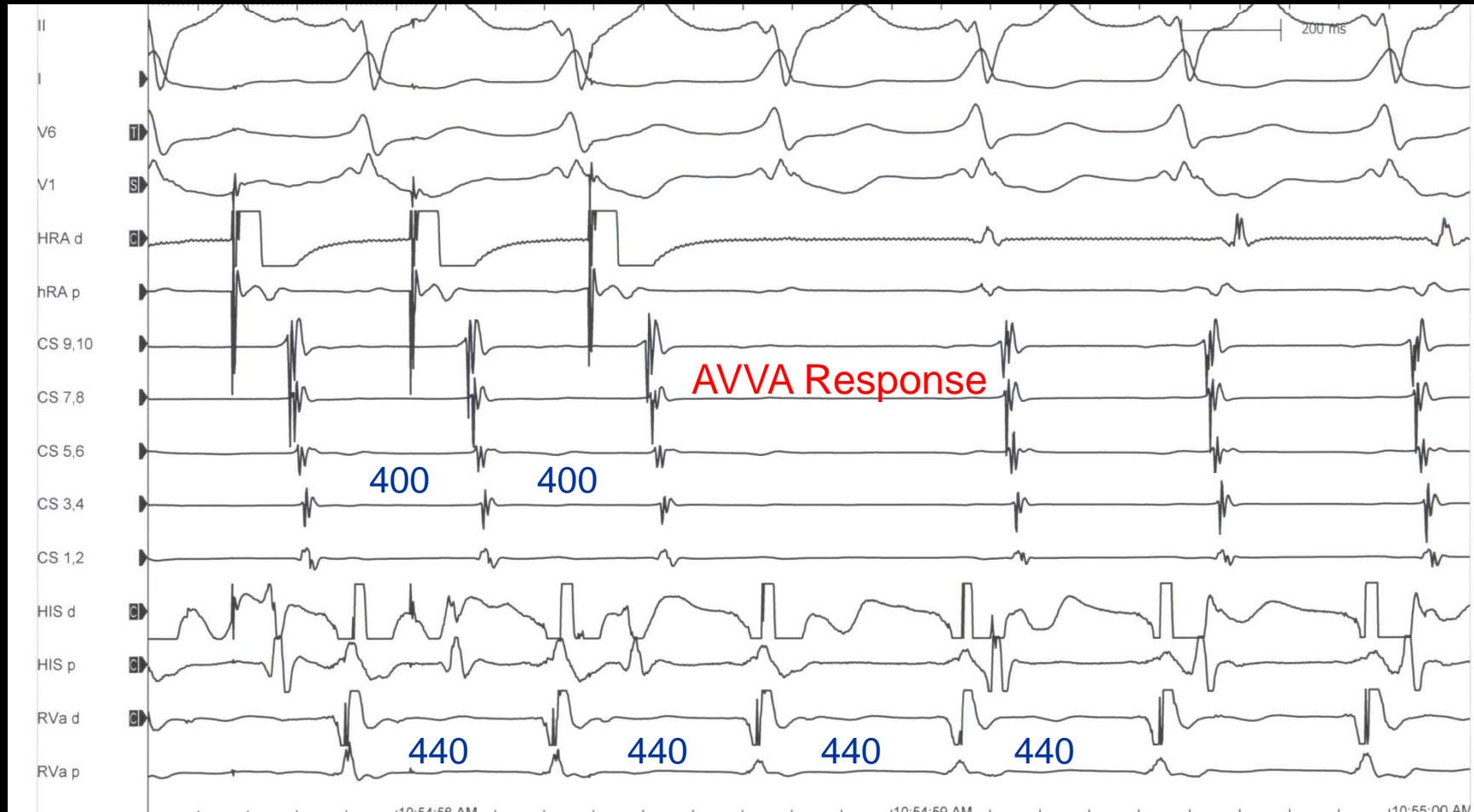
# Atrial Pacing during Tachycardia



Dissociation of Atrium from Ventricle during Tachycardia-  
ruling out Antidromic AVRT



# Atrial Pacing

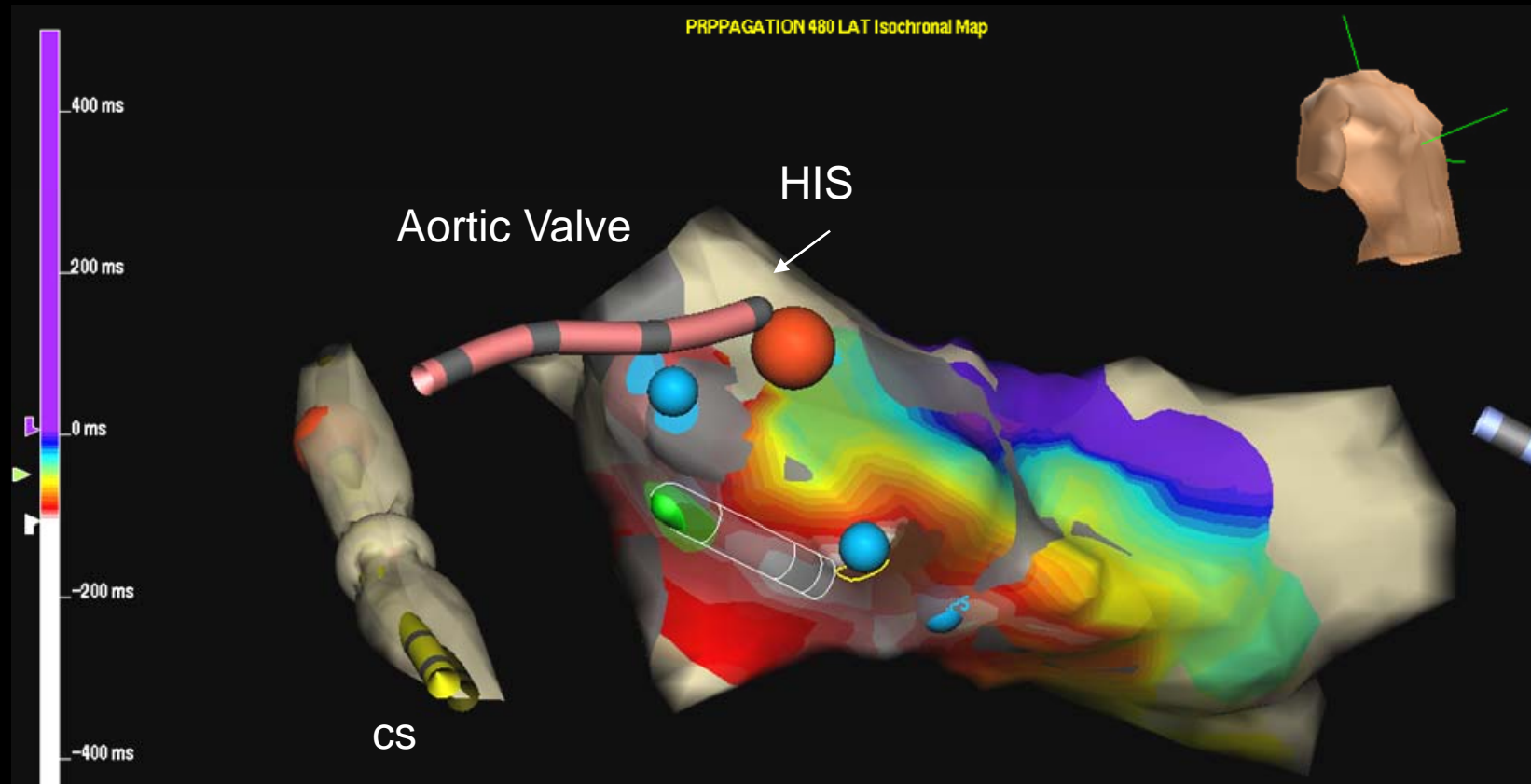




- Concluding VT:
- Dd:
- Fascicular VT (BeLhassen type VT)
- PosteroMedial Pap M VT?
- Post MI- Inferior scar?

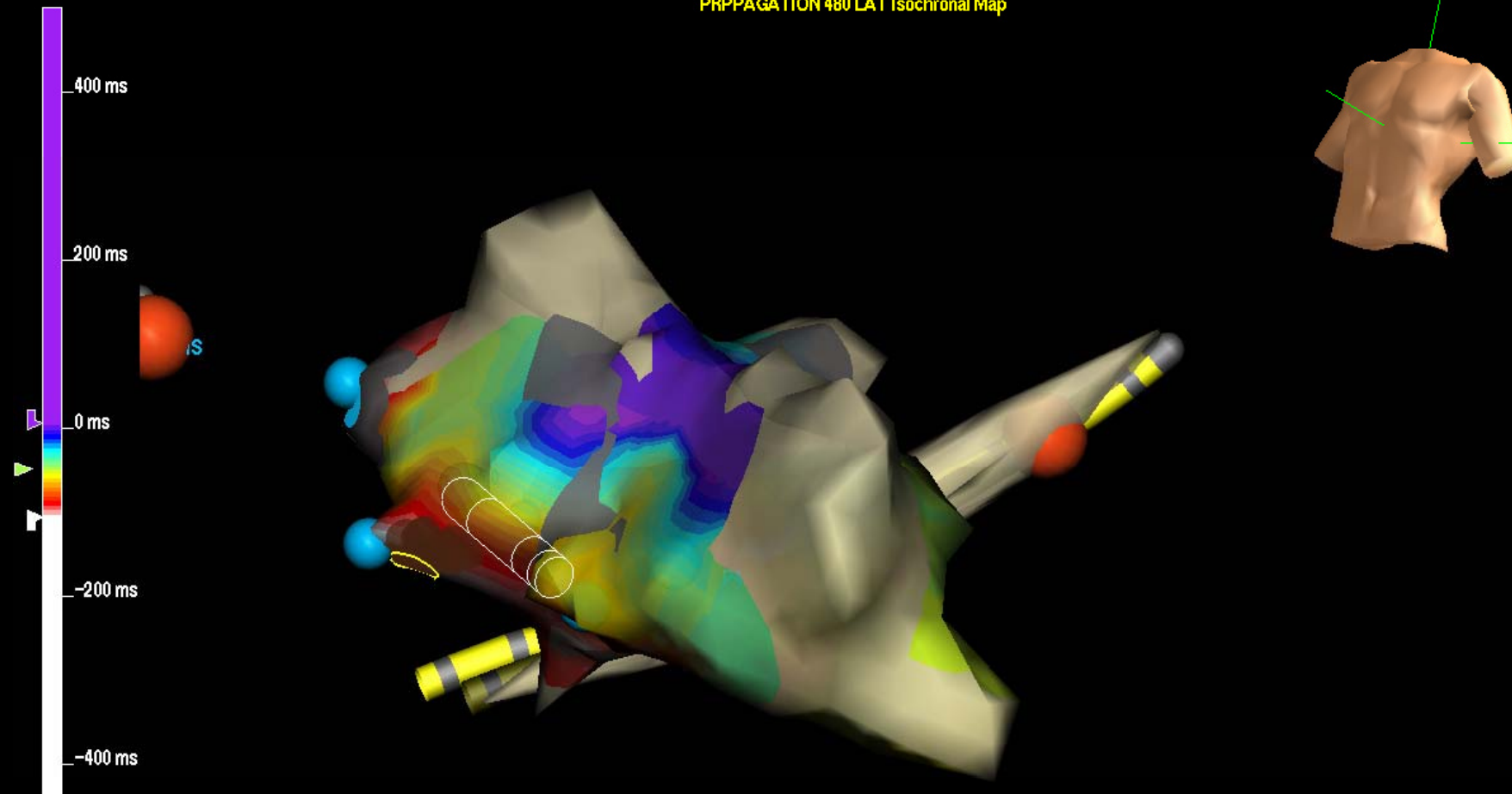
- Suspecting an Infero-basal site- mapping catheters were advanced to LV both retrograde and antegrade

# Activation Map RAO

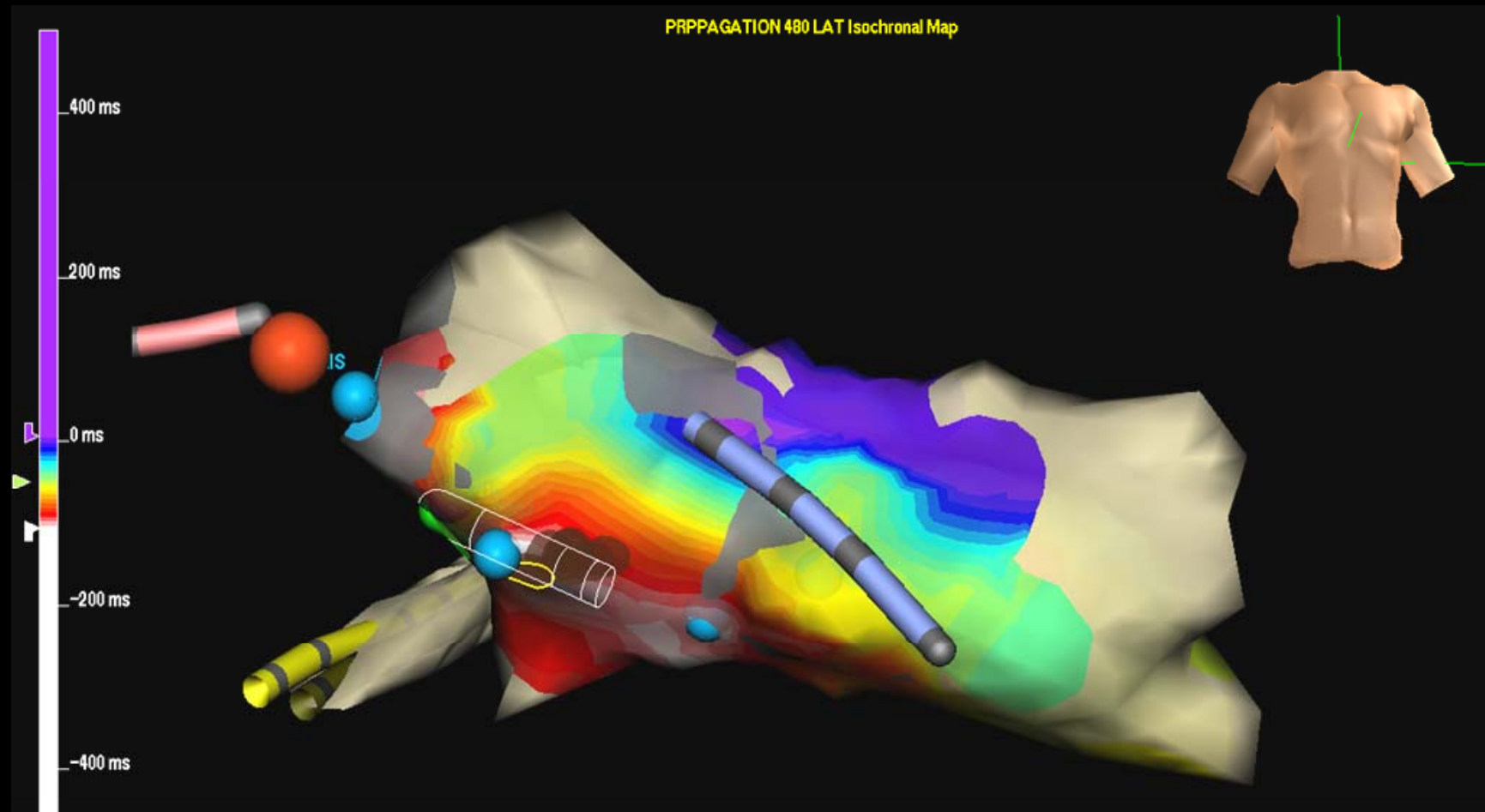


# Activation Map LAO

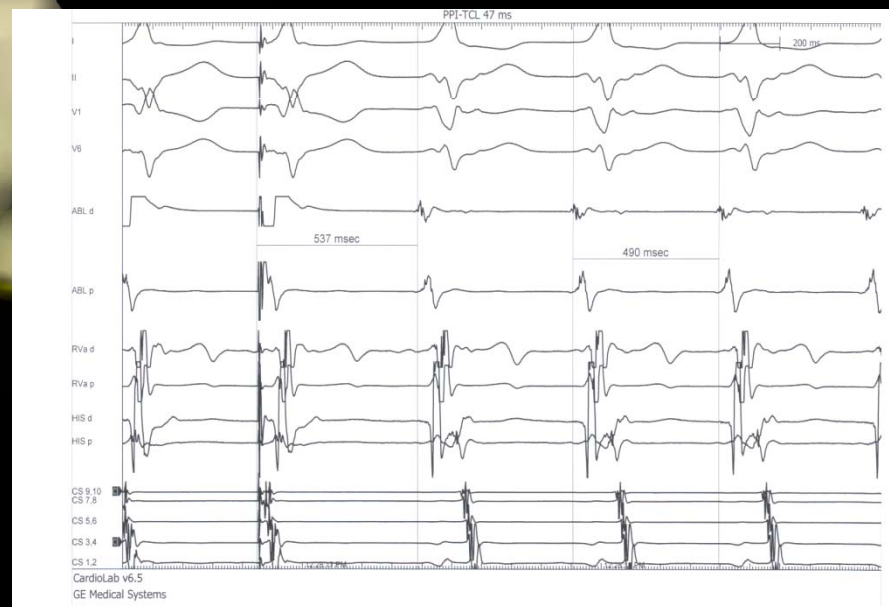
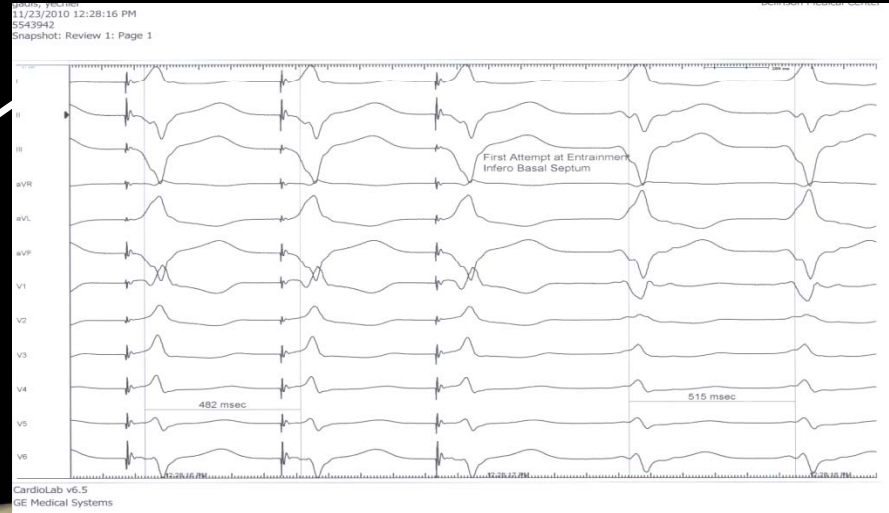
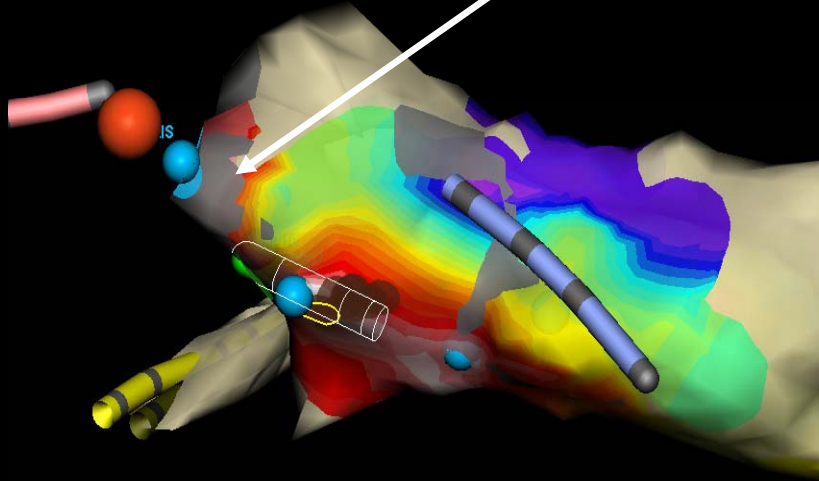
PRPPAGATION 480 LAT Isochronal Map



# Activation Map AP



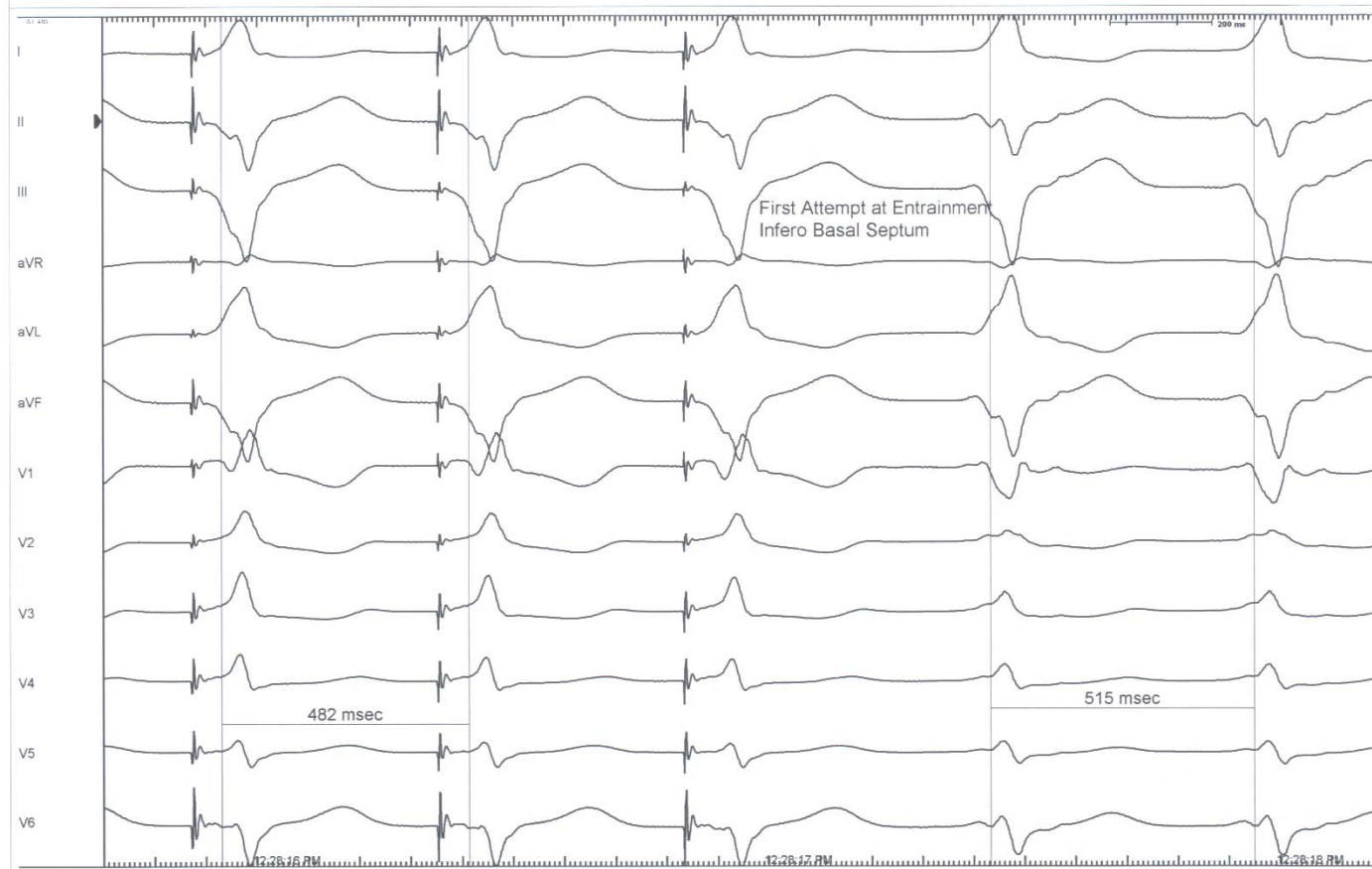
# First Entrainment Site



# First Entrainment Site

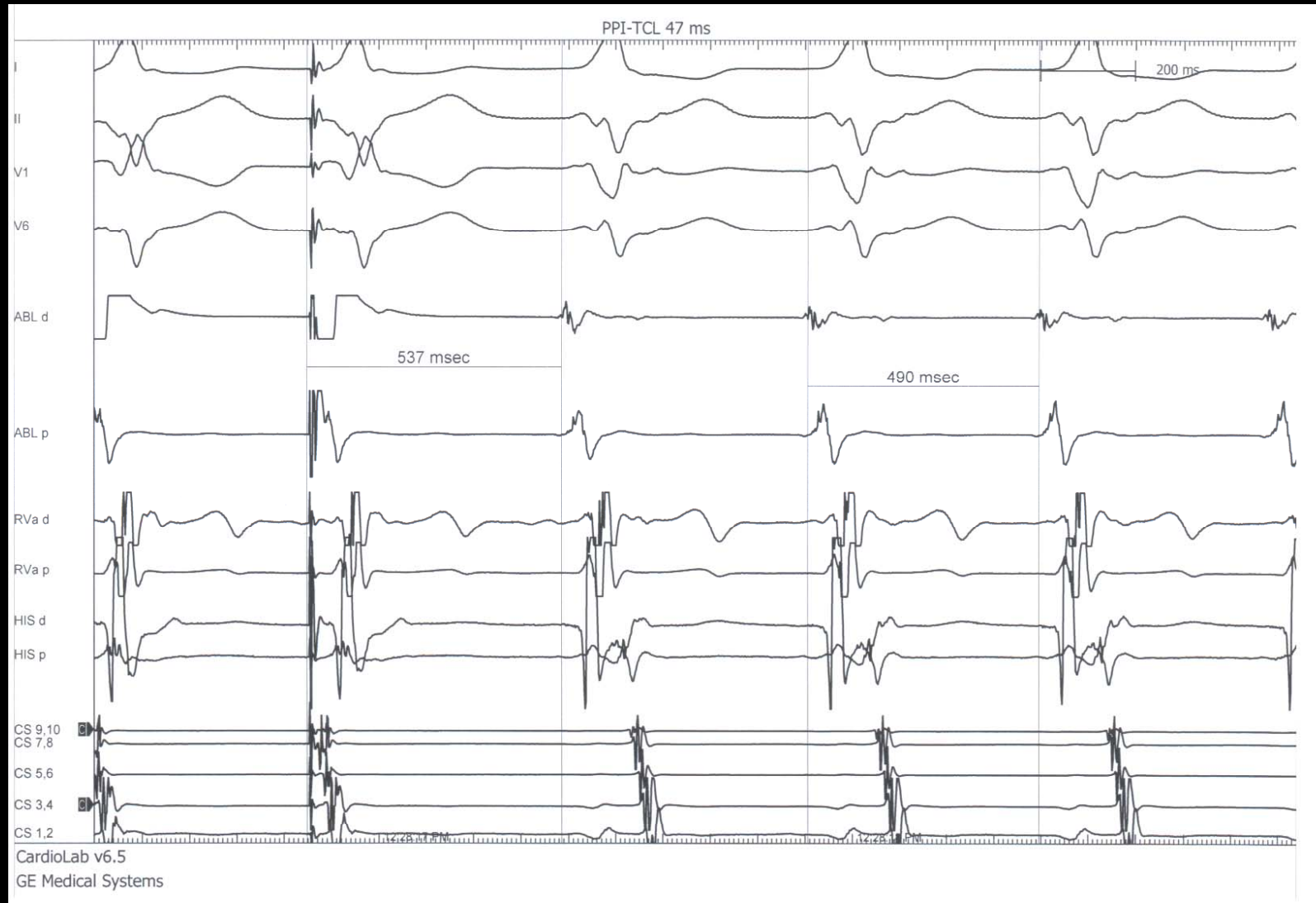
gadis, yechiel  
11/23/2010 12:28:16 PM  
5543942  
Snapshot: Review 1: Page 1

Belinson Medical Center



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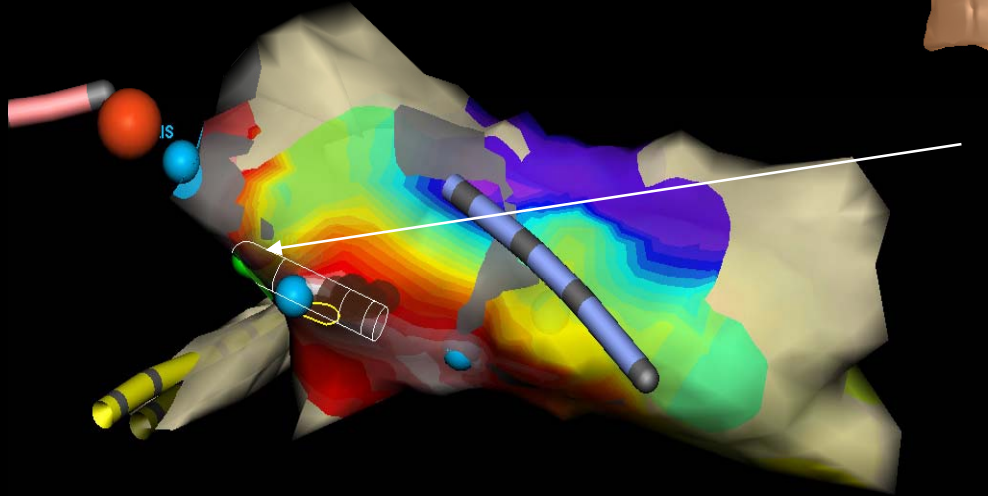
# First Entrainment Site



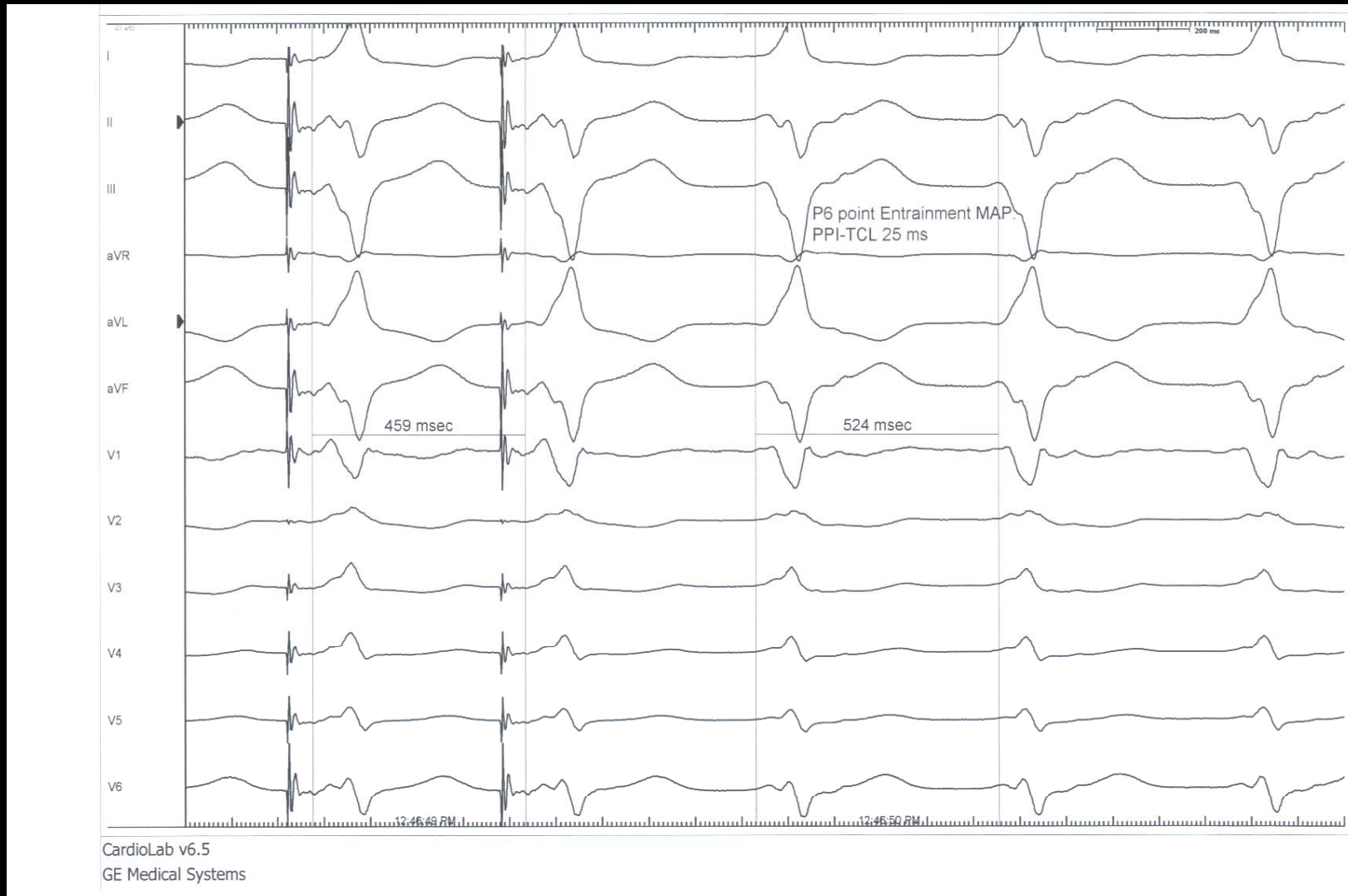


# Second Entrainment Site

PRPPAGATION 480 LAT Isochronal Map



# Second Entrainment Site

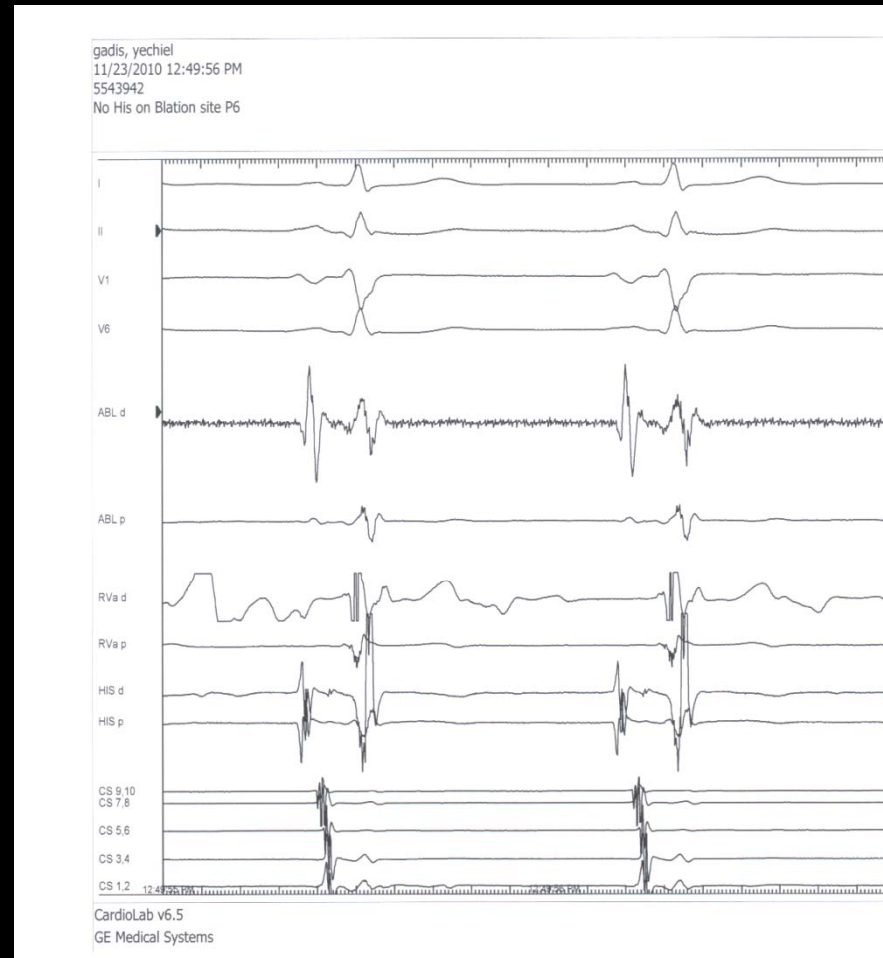


# Second Entrainment Site



# NSR at second entrainment site

- No Late potentials
- No HIS

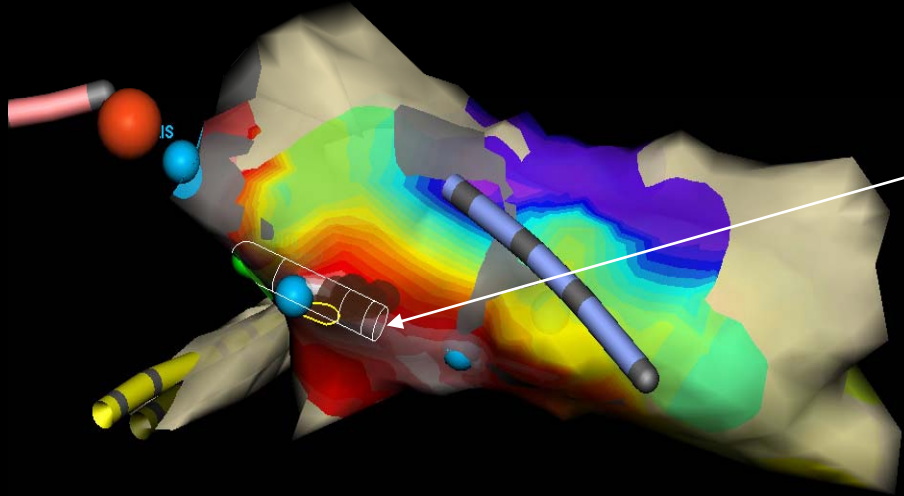


# Ablation

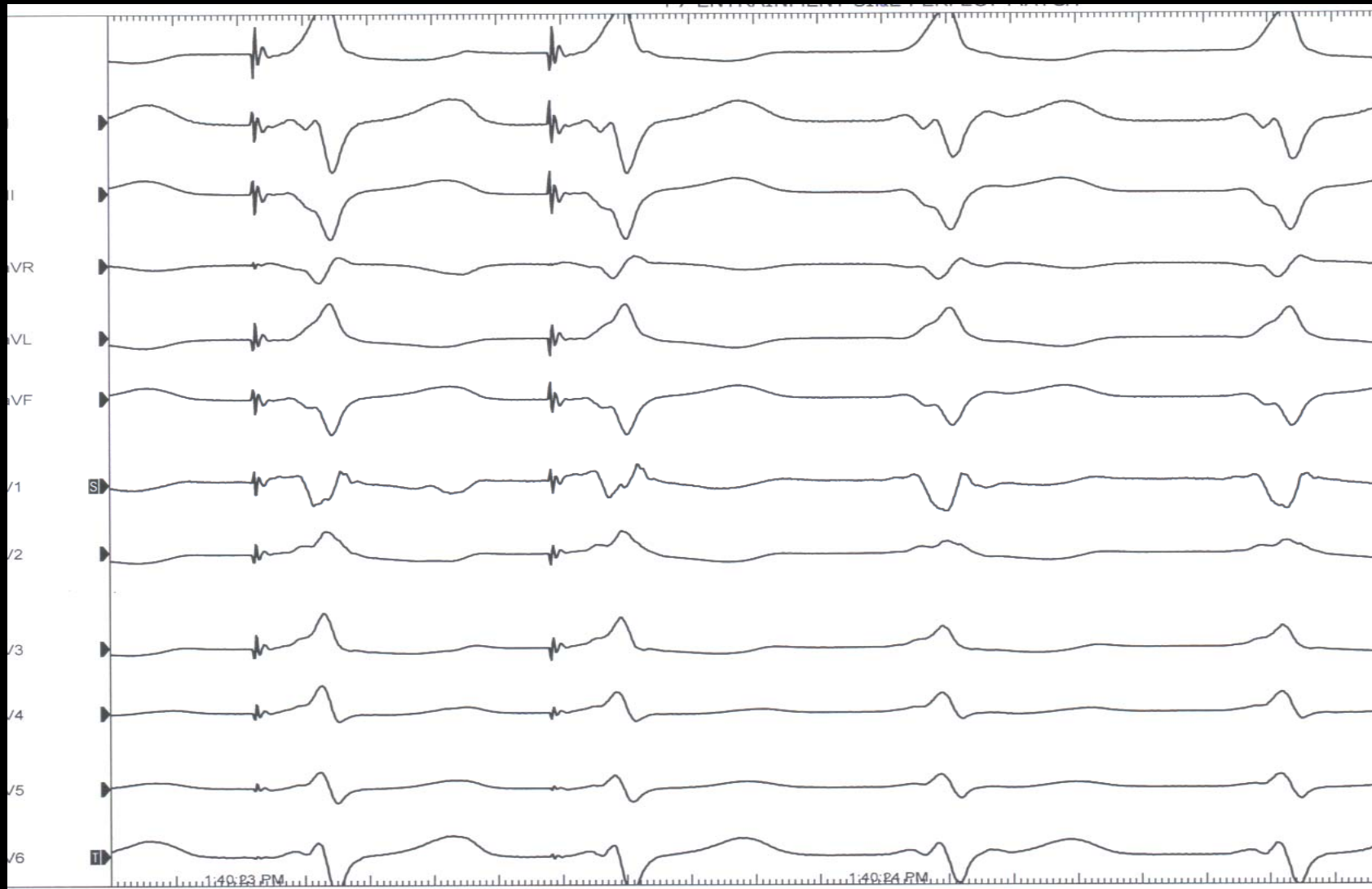
- VT breaks
- Junctionals
- Ablation stopped

# Third Entrainment Site

PRPPAGATION 480 LAT Isochronal Map

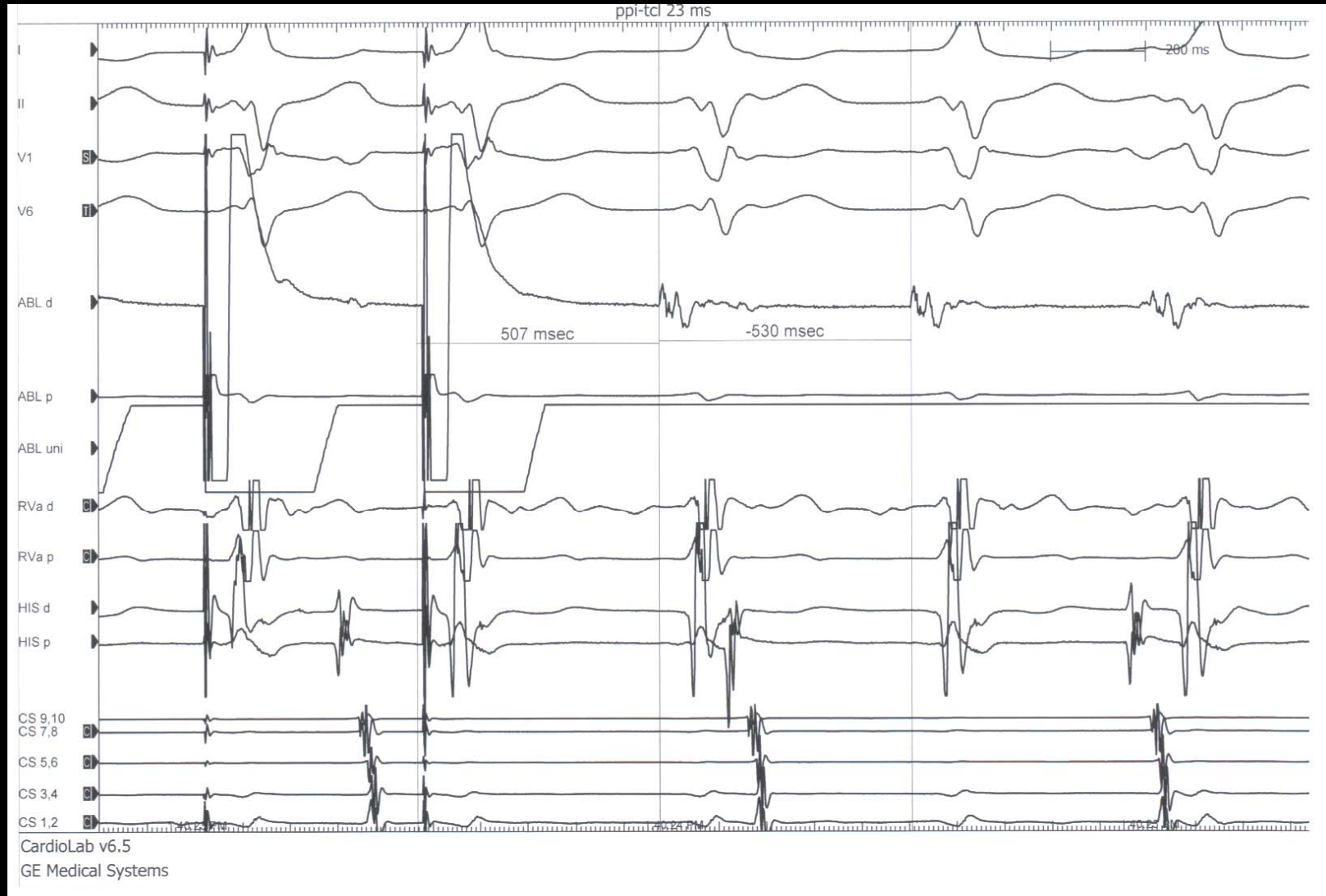


# Third Entrainment Site





# Third Entrainment Site





# Ablation

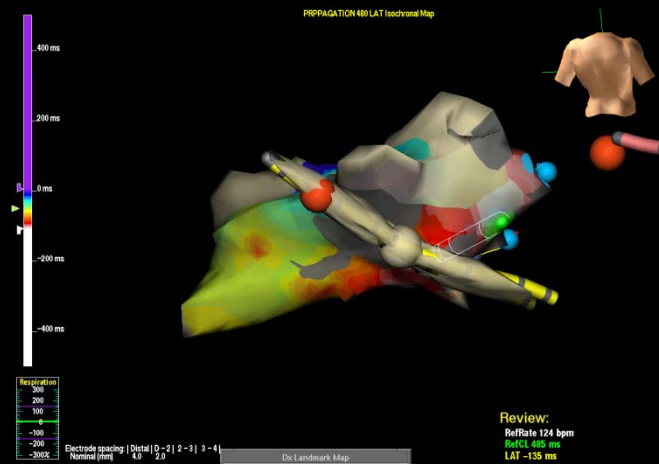
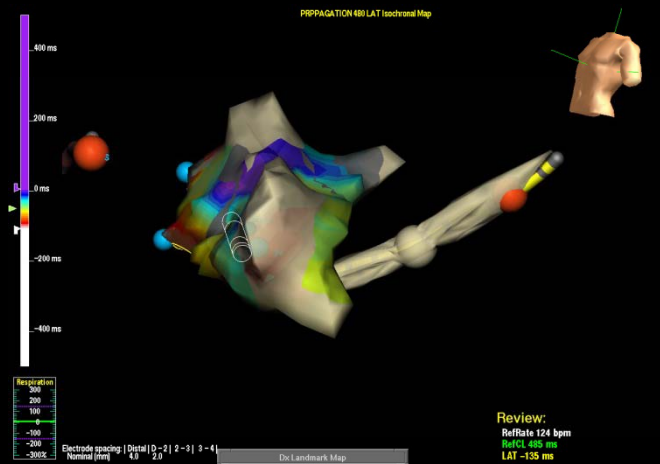
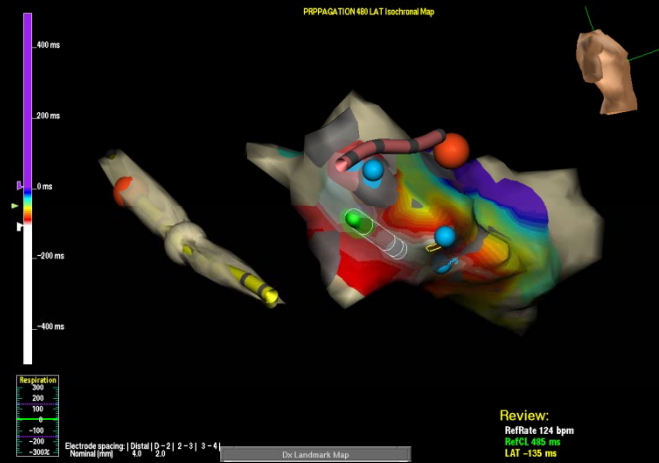
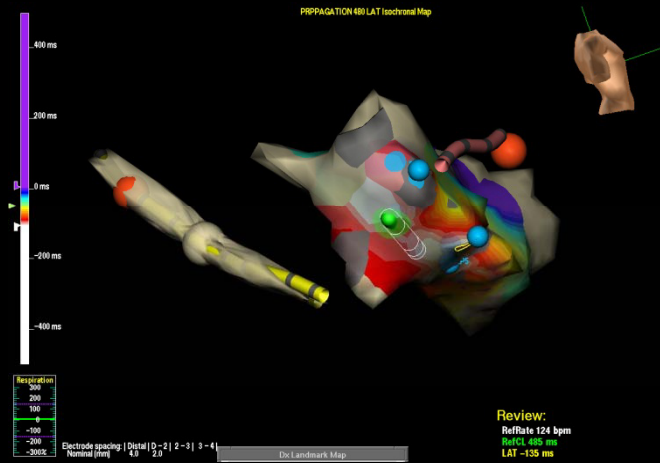


# Ablation



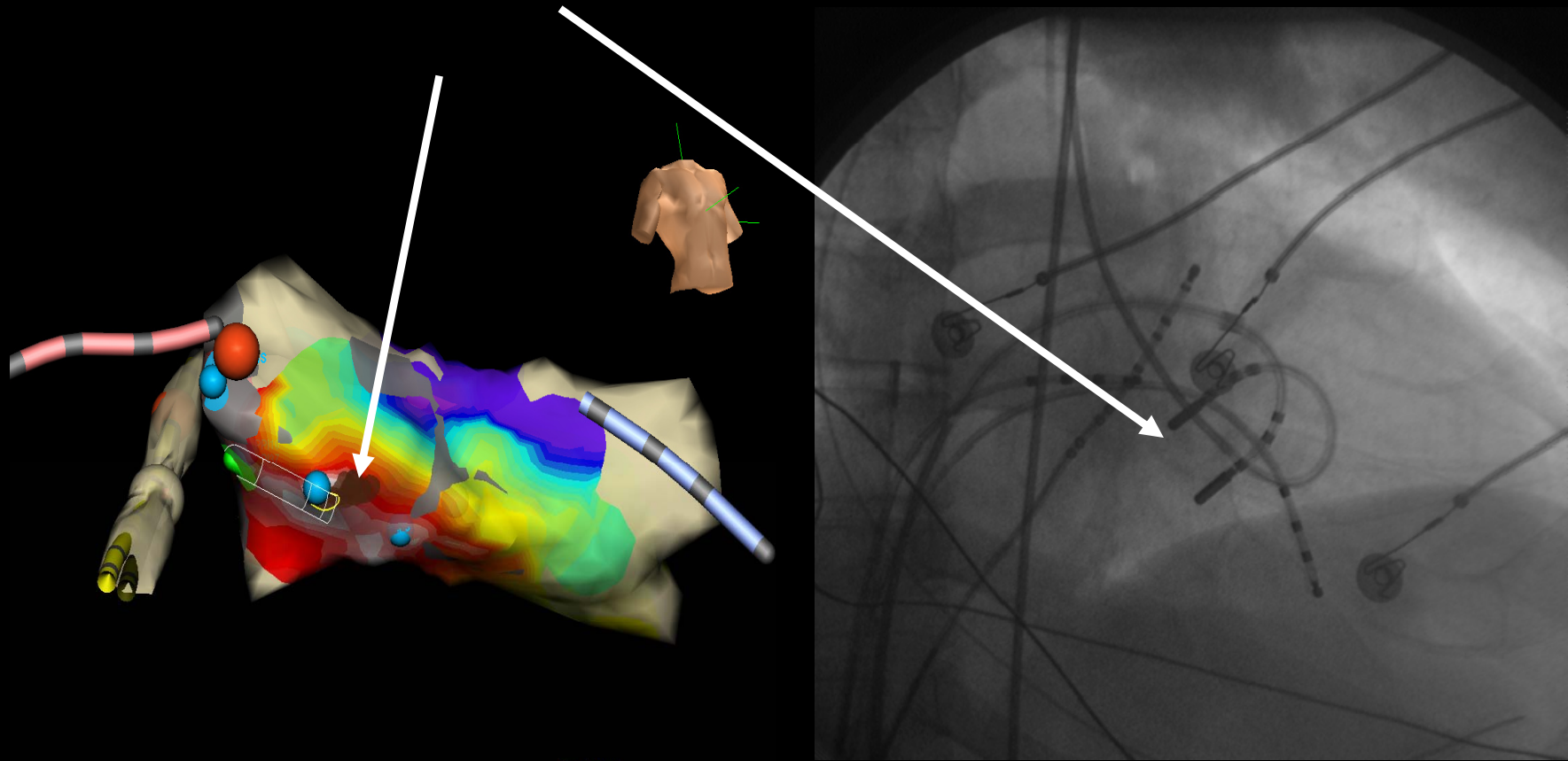
Breaks during ablation

# Ablation Site



# Ablation

ABLATION SITE



Electrode spacing: | Distal | D - 2 | 2 - 3 | 3 - 4 |

Review:  
RefRate 124 bpm  
RefCL 485 ms

# Conclusions

- Non Inducible at the end of study with burst pacing and double ES
- At 1 onth follow-up free of VT w/o Verapamil or beta-blockers.