



ASSOCIATION DE RYTHMOLOGIE  
INTERVENTIONNELLE & STIMULATION

# FLUTTER MITRAL

Dr Durand

Janvier 2020 – Infirmierie Protestante

# HISTORIQUE PATIENT

- Homme né en 1959
- **Myocardiopathie valvulaire** avec **remplacement valvulaire aortique** par valve meca en 2010
- Arrythmie atriale récidivante
- Plusieurs procédures d'ablation (dernière en Juillet 2018)
- Récidive d'arythmie → Poussée d'insuffisance cardiaque
- Implantation le 18NOV2019 d'un pace dbl chambres



# MATERIEL BWI

- |                       |                              |          |
|-----------------------|------------------------------|----------|
| • ABLATION            | BIOSENSE SMARTTOUCH SF noire | D134703  |
| • REF CS              | BIOSENSE DECANAV orange      | R7F282CT |
| • CATHETER DE MAPPING | PENTARAY orange              | D128208  |

# ECG DEBUT



# Signaux Endo – Debut de procedure



# Carte LAT (cycle 520 mS)

1-1-1-... (1711, 0) Resp

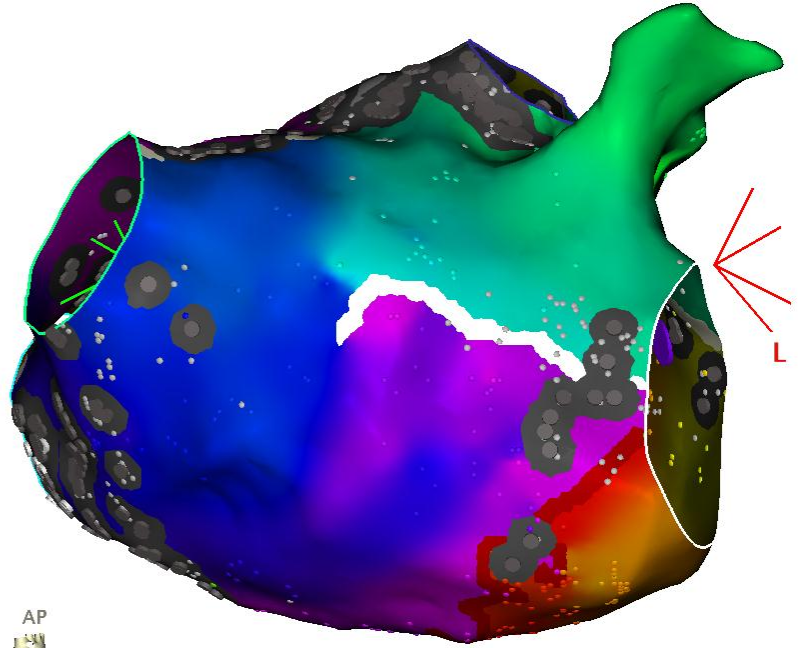
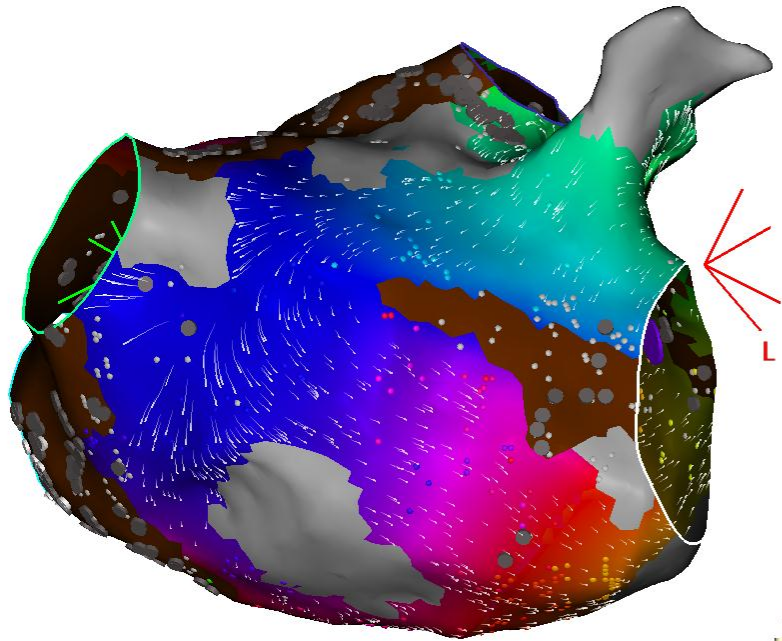
COHERENT

1-1-1-... (1711, 0) Resp

-256 ms LAT 260 ms



CL: 525

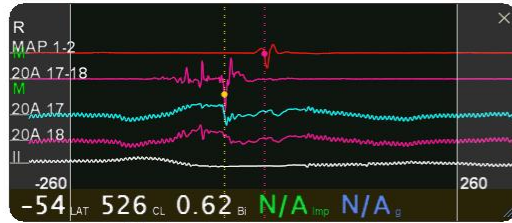


AP PA LAO RAO LL RL INF SUP

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# Carte LAT (cycle 520 mS)

1-1-1-... (1711, 0) Resp



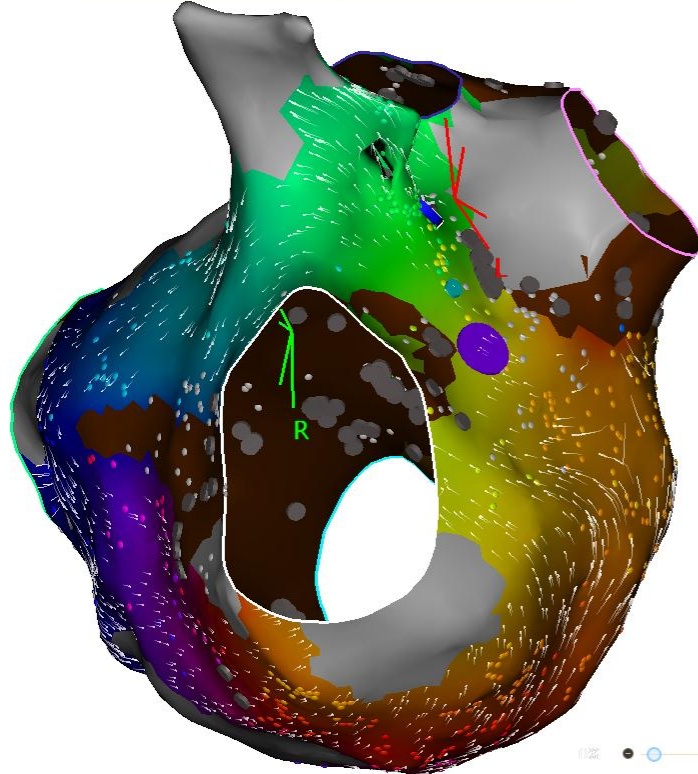
COHERENT



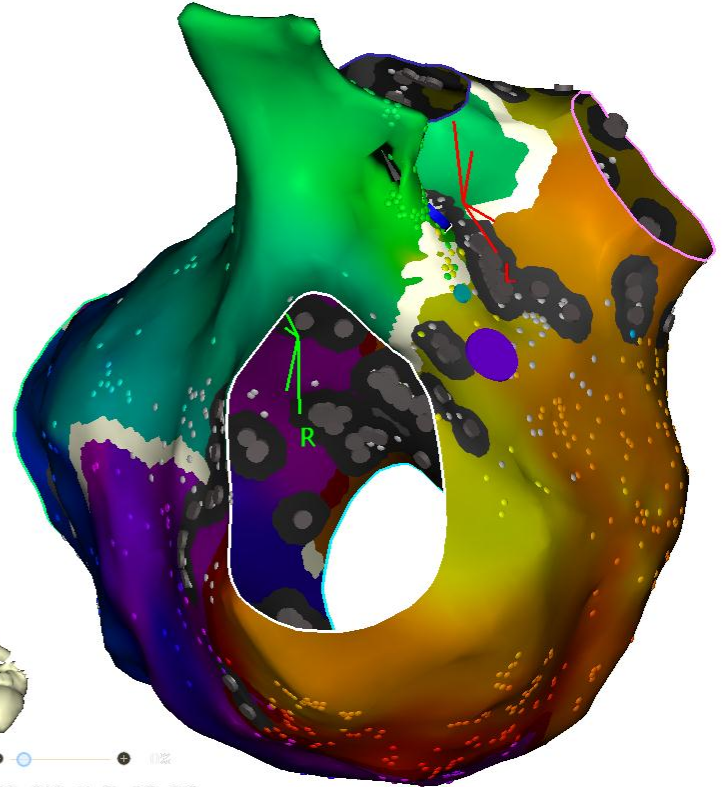
CL: 525

1-1-1-... (1711, 0) Resp

-266 ms LAT 260 ms



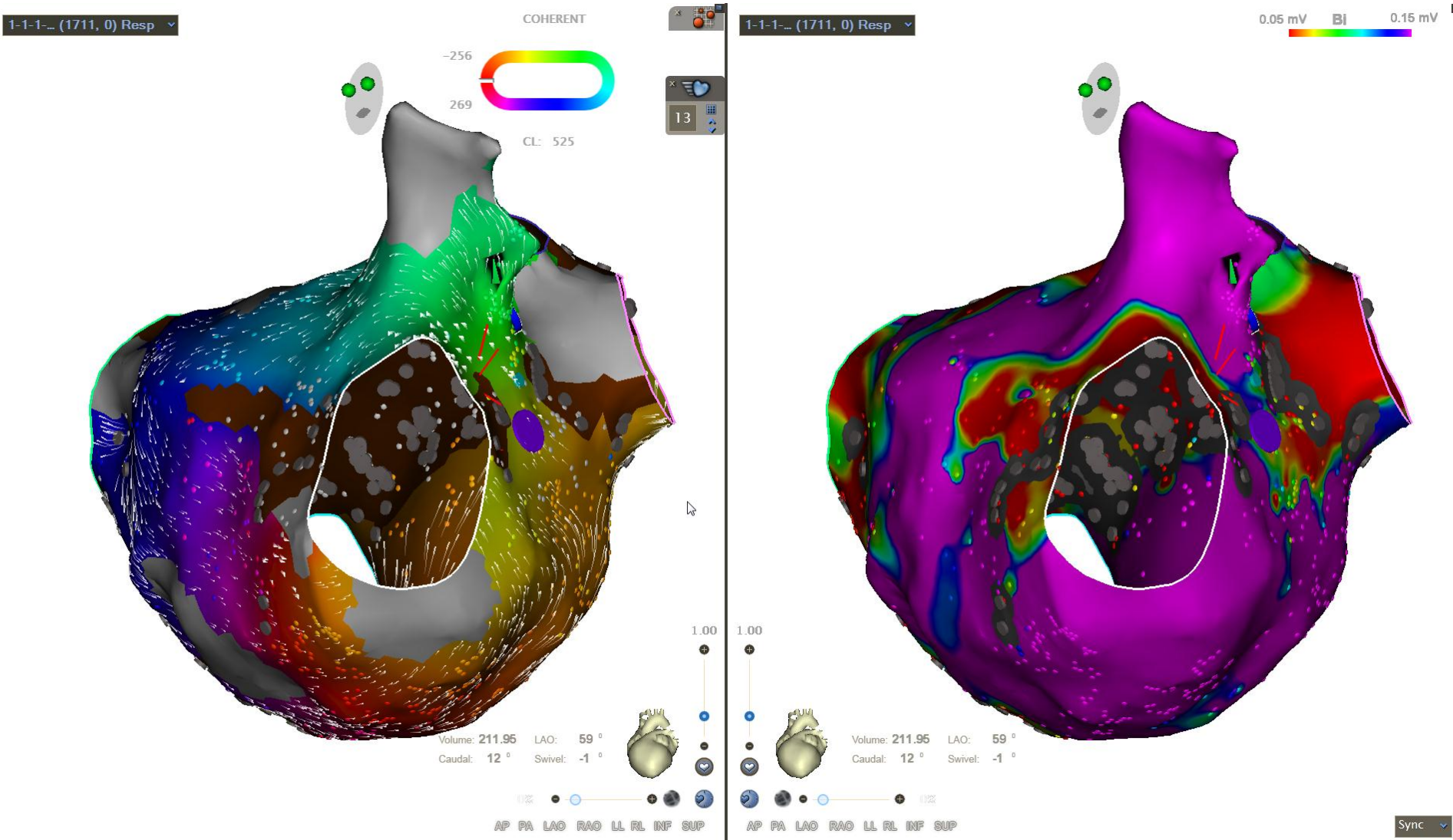
AP PA LAO RAO LL RL INF SUP



AP PA LAO RAO LL RL INF SUP

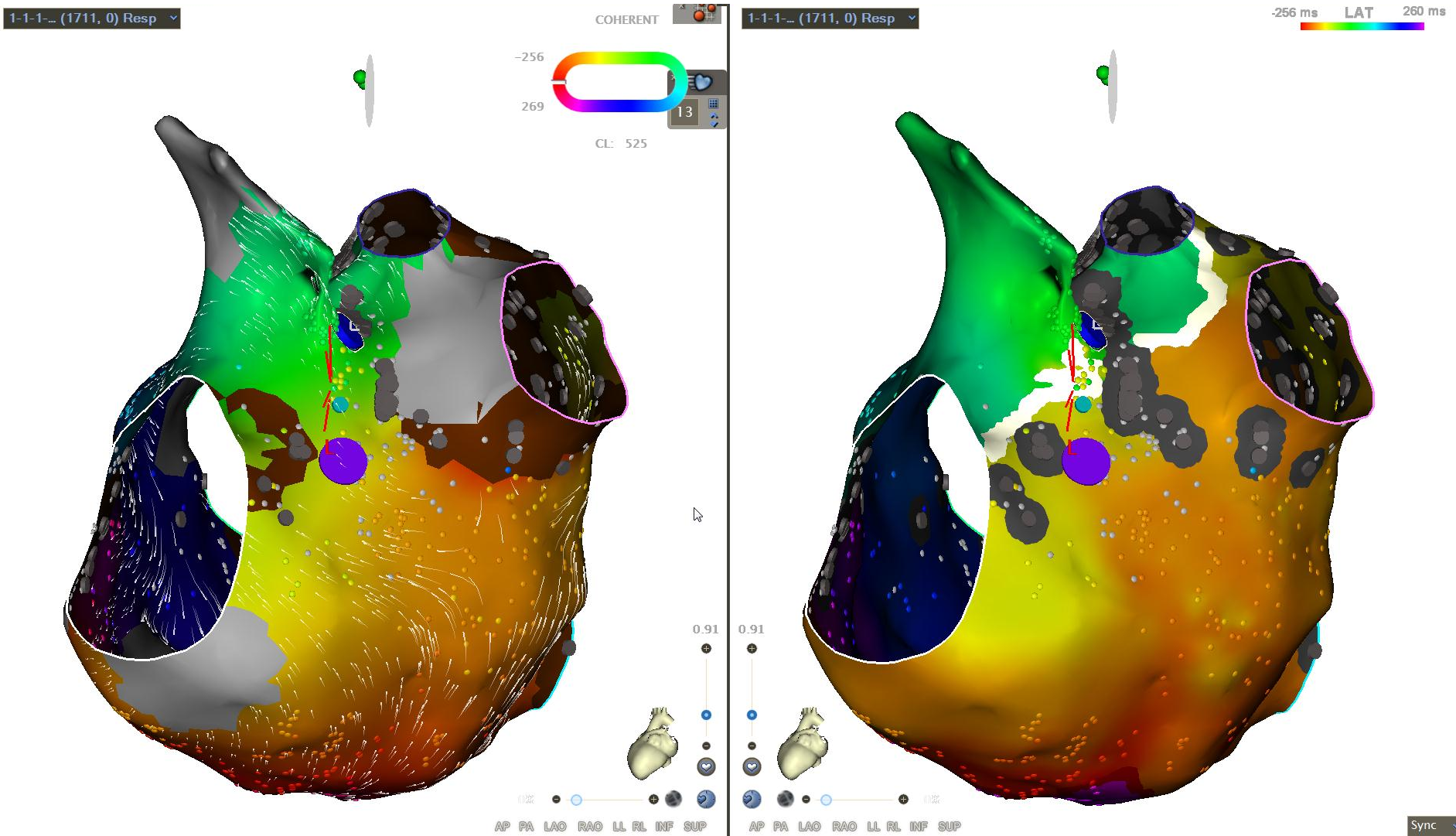
Sync

# Carte LAT (cycle 520 mS)





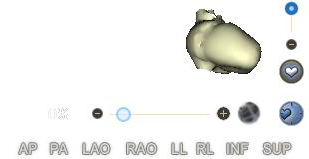
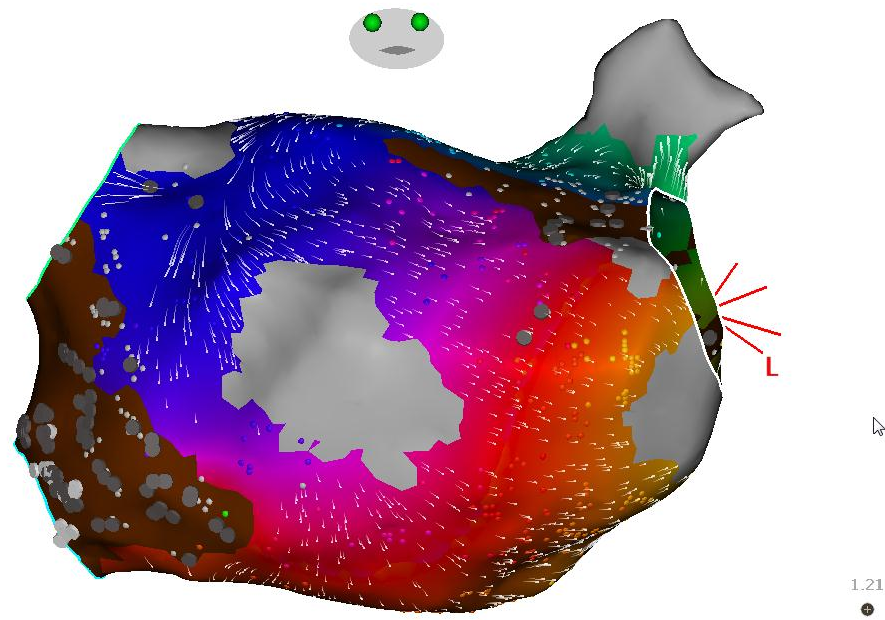
# Carte LAT (cycle 520mS)



# Carte LAT (cycle 520mS)

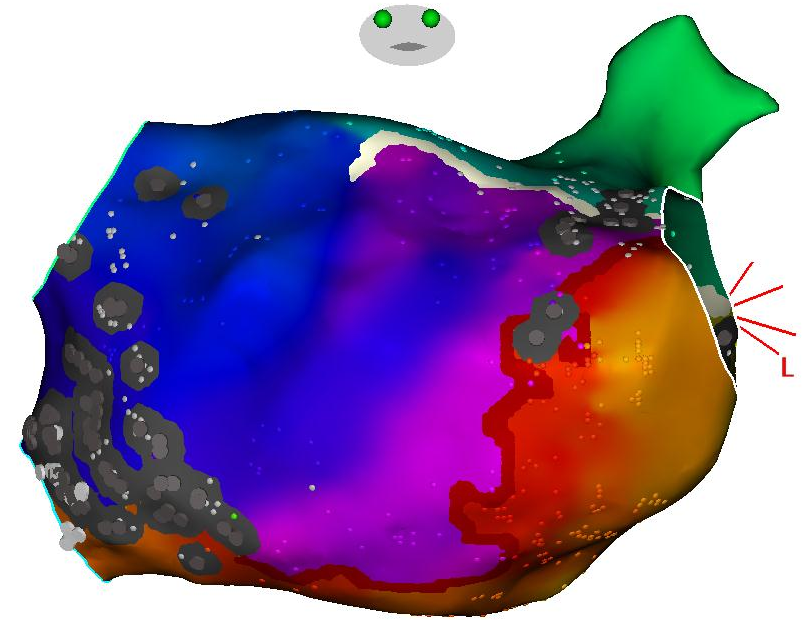
1-1-1-... (1711, 0) Resp

COHERENT



1-1-1-... (1711, 0) Resp

-256 ms LAT 260 ms





# Carte LAT (cvcle 520mS)

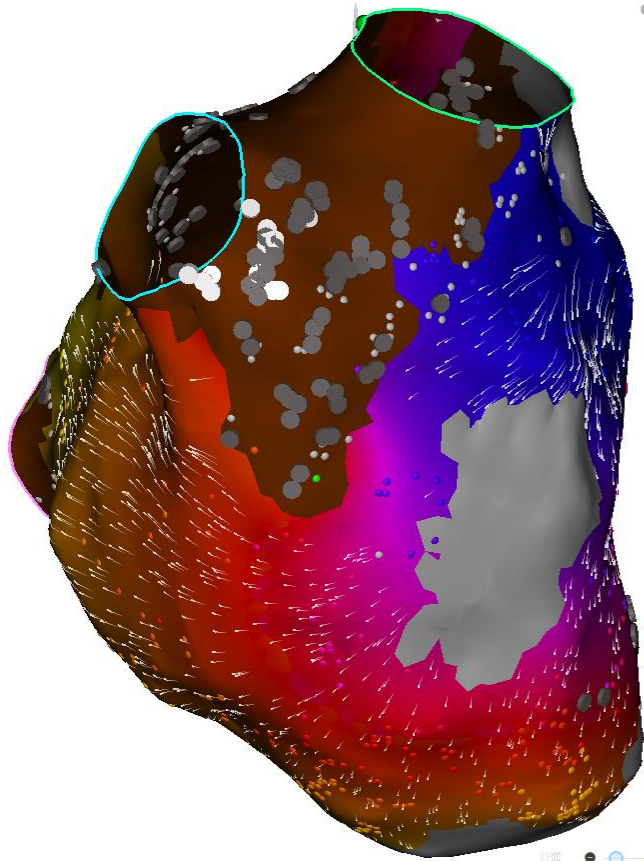
1-1-1-... (1711, 0) Resp

COHERENT

-256

269

CL: 525



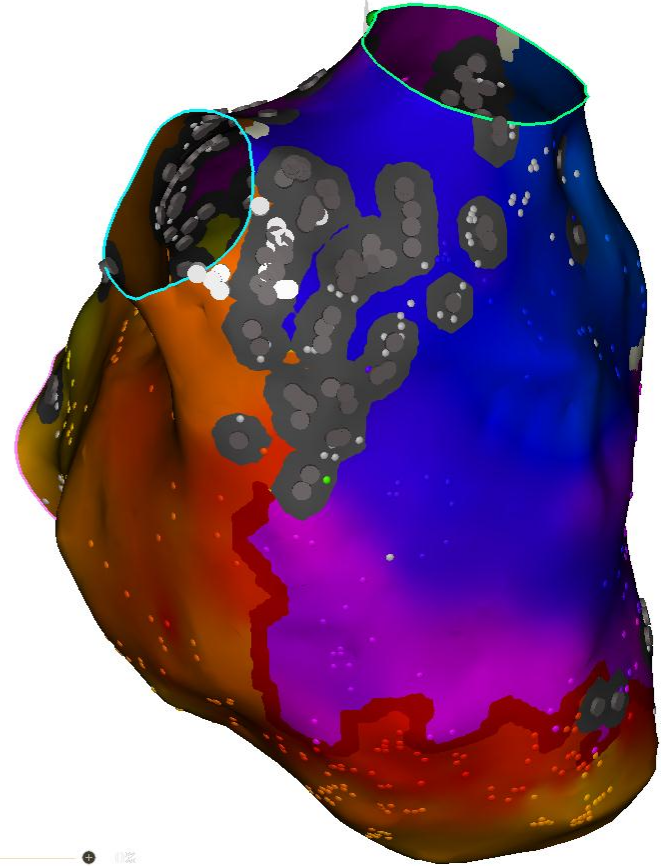
1.00



AP PA LAO RAO LL RL INF SUP

1-1-1-... (1711, 0) Resp

-256 ms LAT 260 ms



1.00



AP PA LAO RAO LL RL INF SUP

Sync

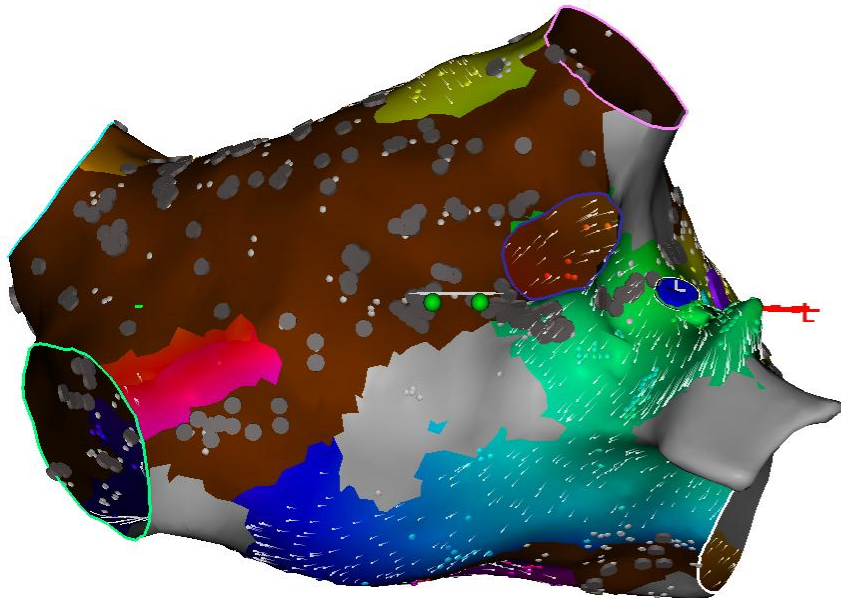
# Carte LAT (cycle 520mS)

1-1-1-... (1711, 0) Resp

COHERENT



CL: 525



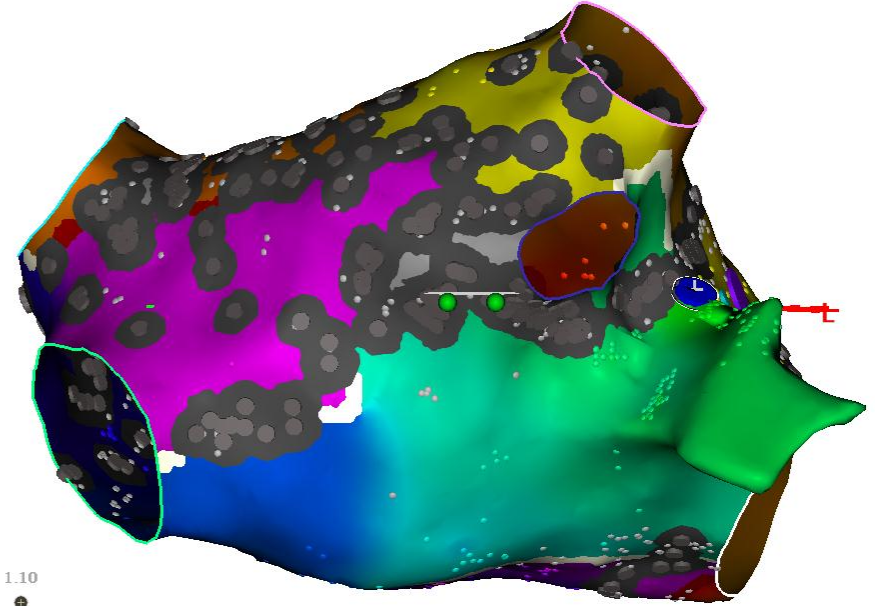
1.10



AP PA LAO RAO LL RL INF SUP

1-1-1-... (1711, 0) Resp

-200 1115 LAI 200 1115



1.10



AP PA LAO RAO LL RL INF SUP

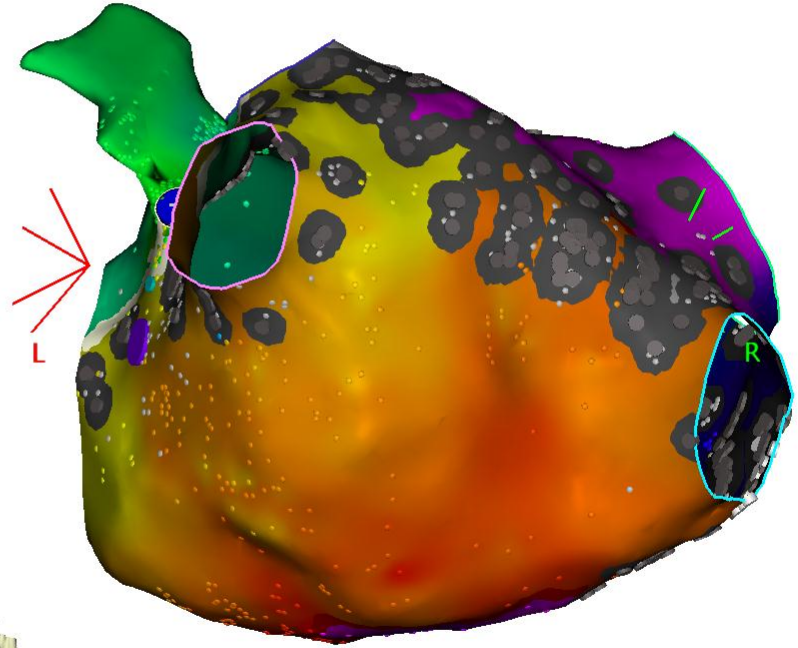
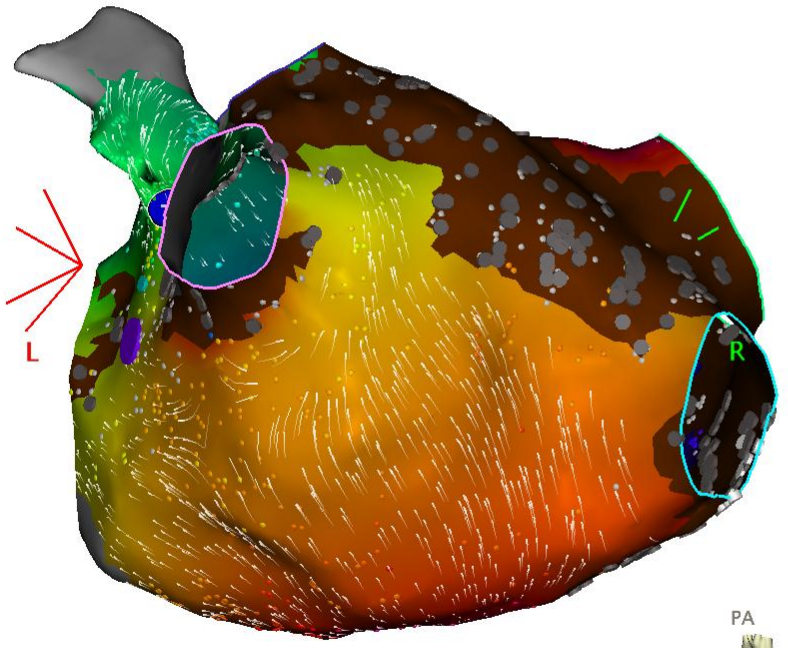
# Carte LAT (cycle 520mS)

1-1-1-... (1711, 0) Resp

COHERENT

1-1-1-... (1711, 0) Resp

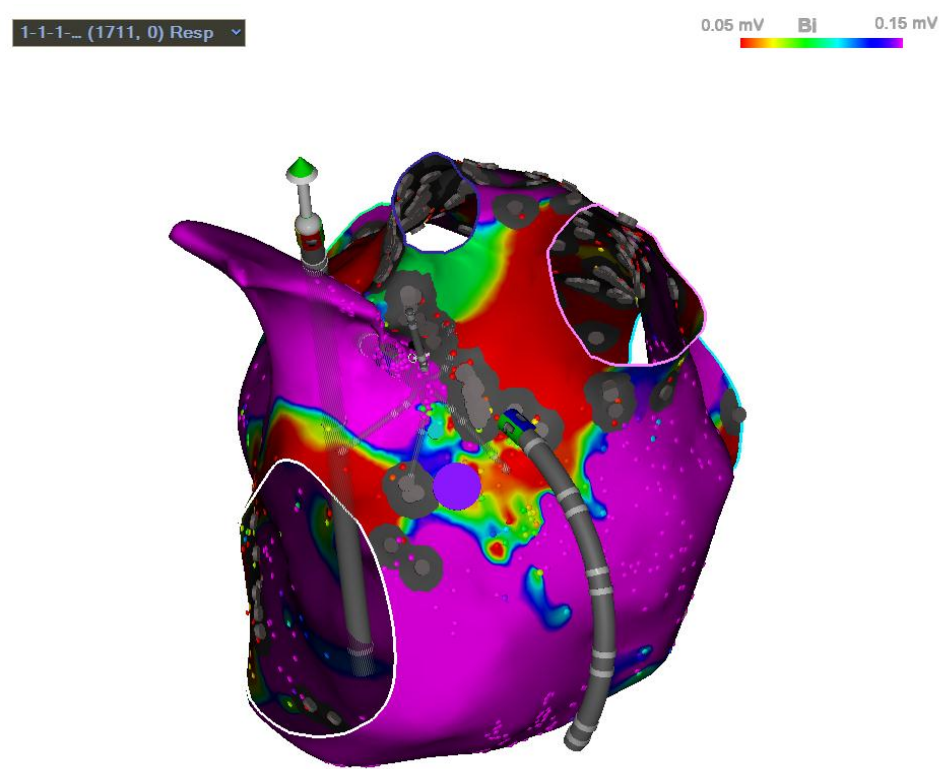
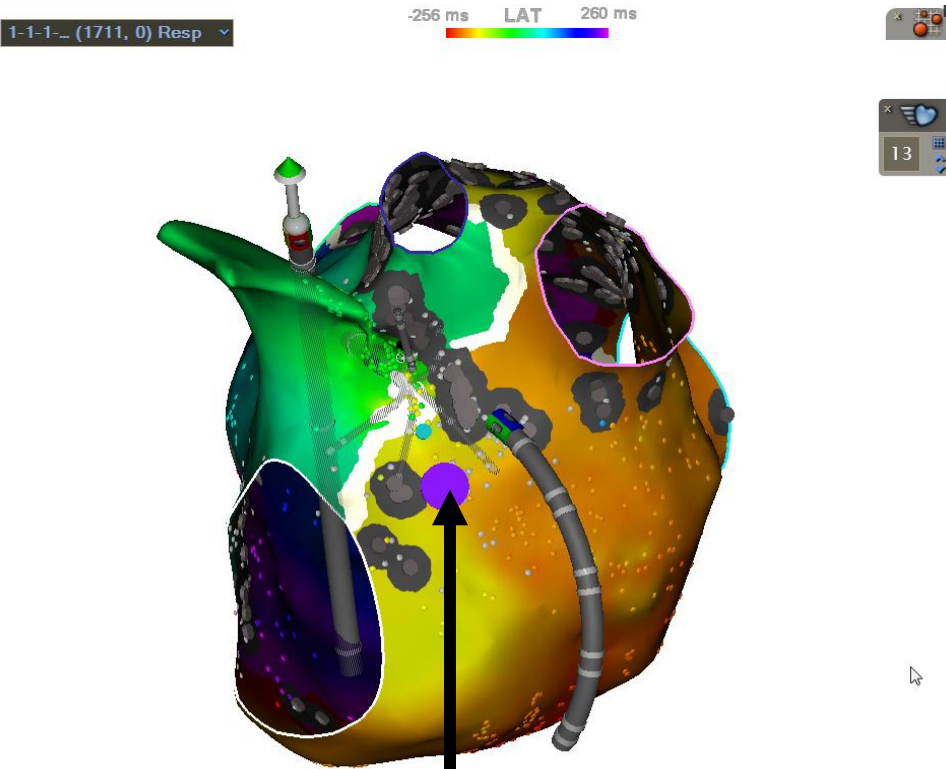
-256 ms LAT 260 ms



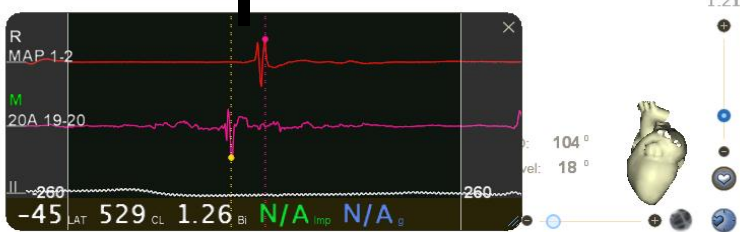
PA PA

AP PA LAO RAO LL RL INF SUP

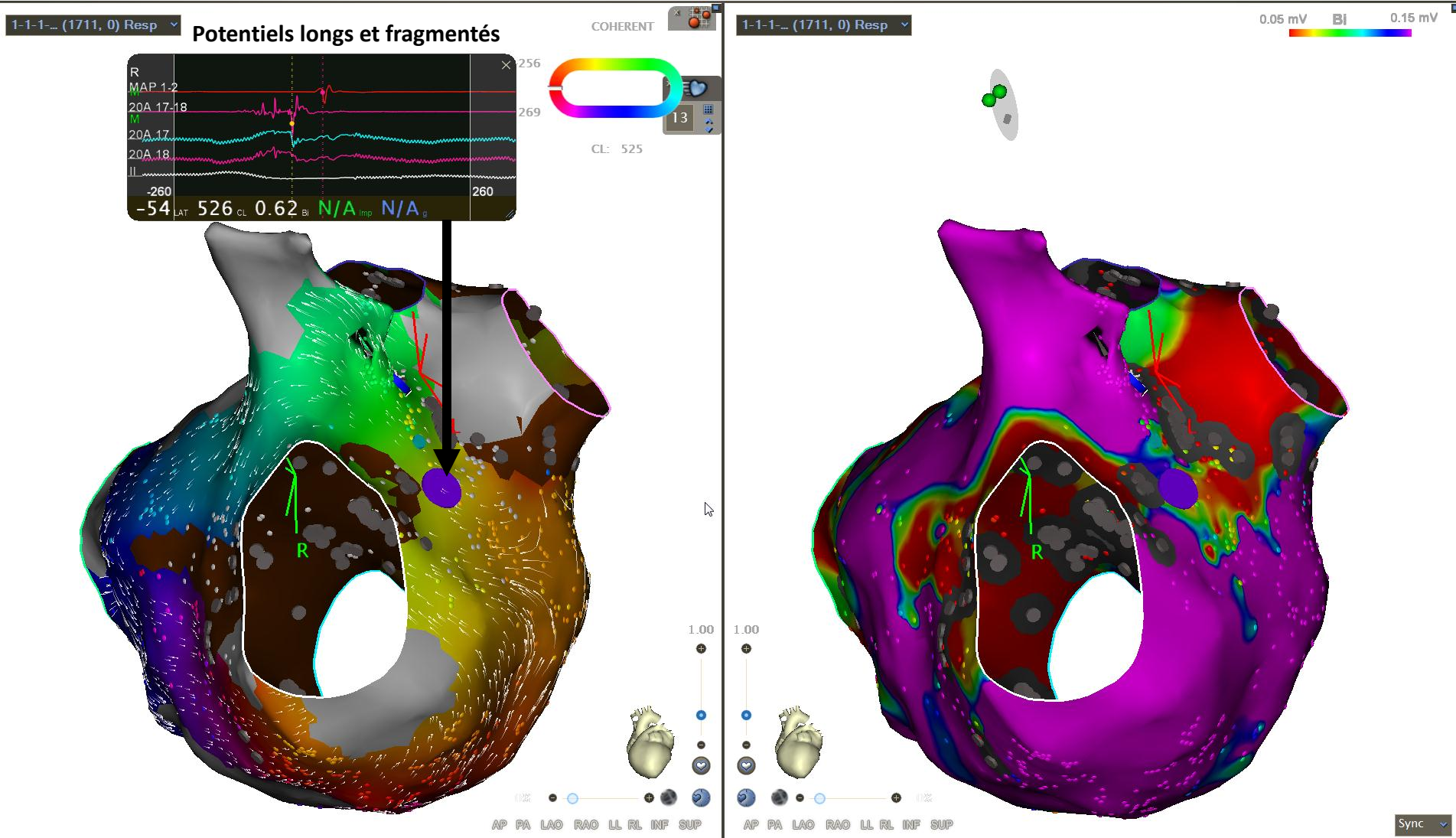
# Potentiels locaux



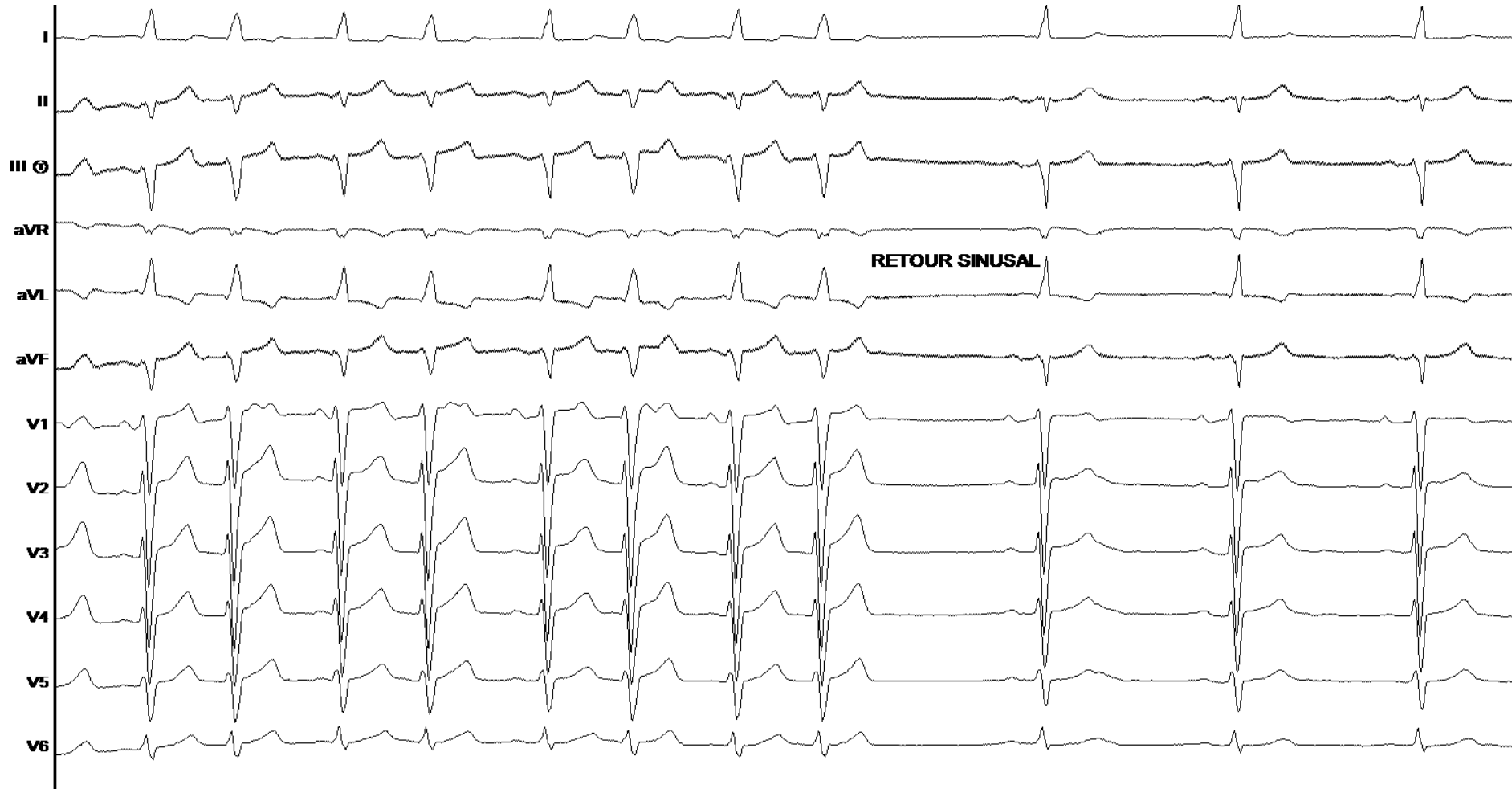
Potentiels longs et fragmentés



# Potentiels locaux

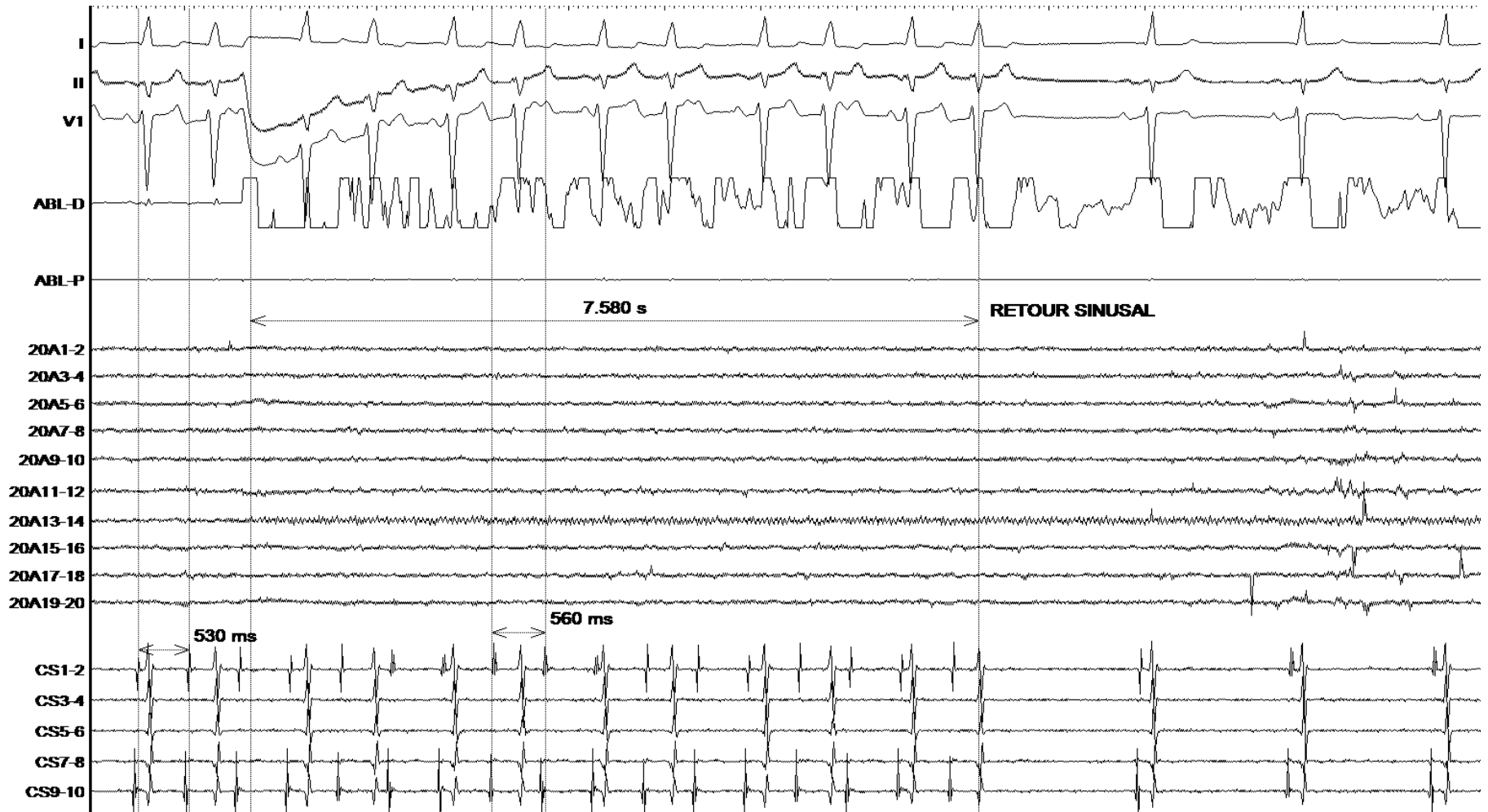


# RETOUR SINUSAL 12D





# RETOUR SINUSAL signaux IC



# POINTS D'ABLATION OG

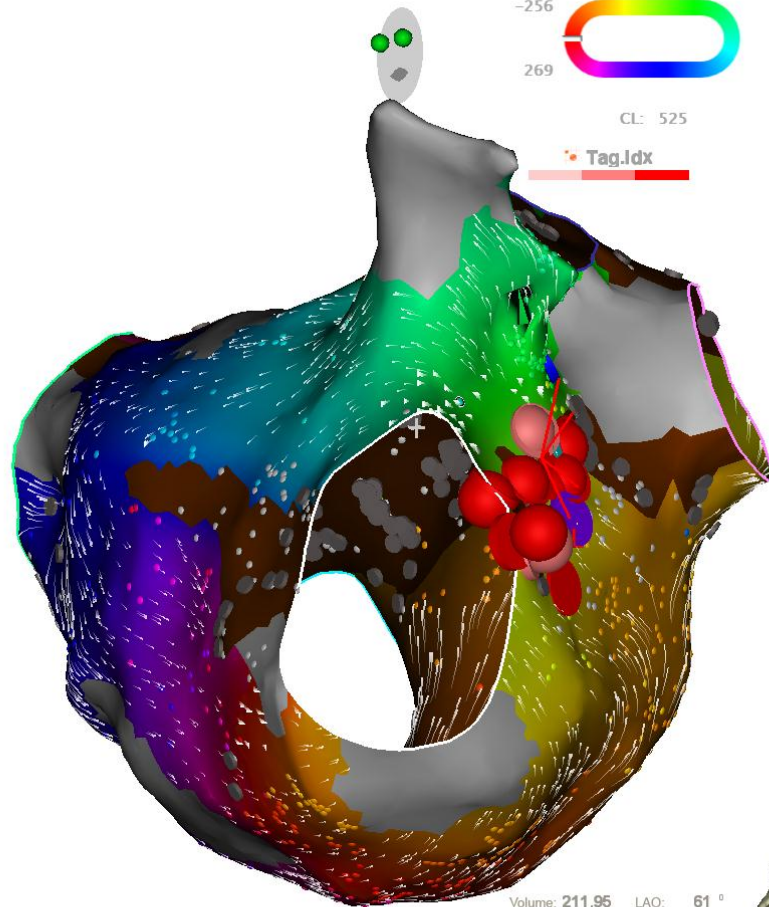
1-1-1- (1711, 0) Resp

COHERENT



CL: 525

Tag.Idx



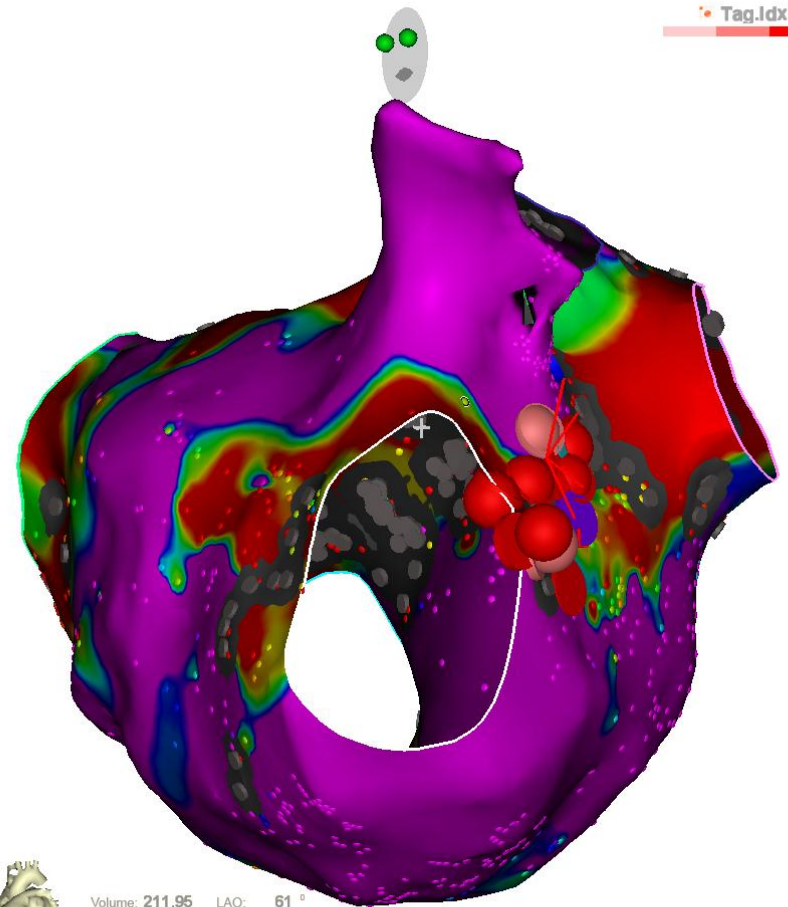
Volume: 211.95 LAO: 61°  
Caudal: 7° Swivel: 0°



AP PA LAO RAO LL RL INF SUP

1-1-1- (1711, 0) Resp

0.05 mV B1 0.15 mV



Volume: 211.95 LAO: 61°  
Caudal: 7° Swivel: 0°



AP PA LAO RAO LL RL INF SUP

# POINTS D'ABLATION OG

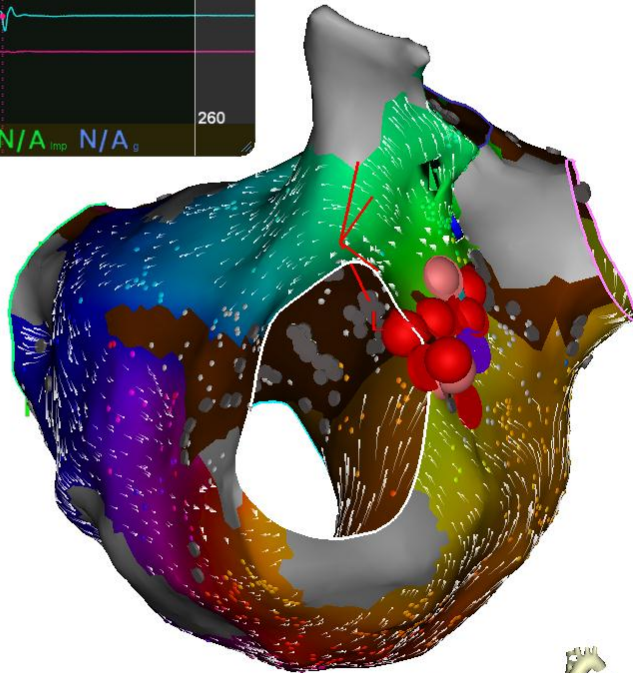
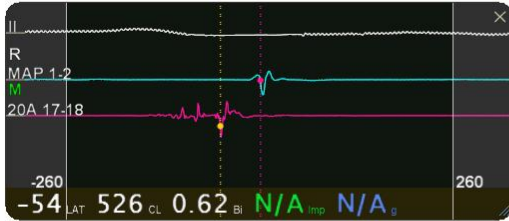
1-1-1... (1711, 0) Resp

COHERENT



CL: 525

Tag.Idx



Volume: 211.95 LAO: 61°  
Caudal: 8° Swivel: 1°



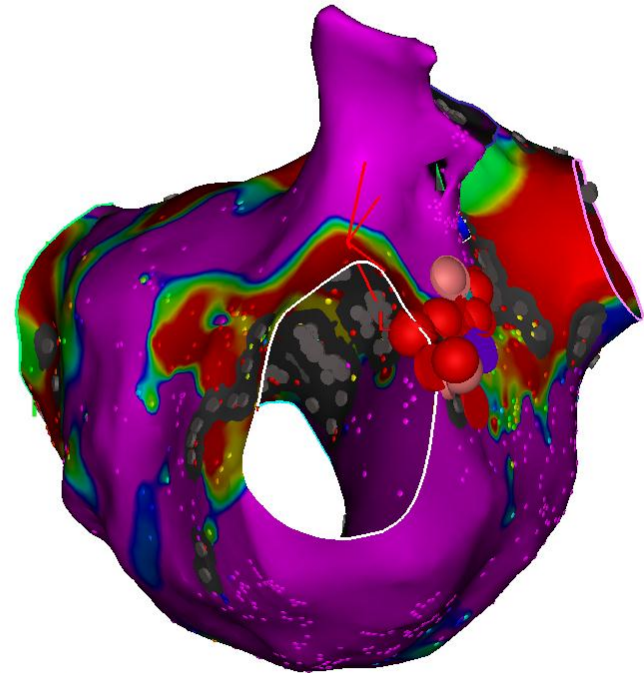
AP PA LAO RAO LL RL INF SUP

1-1-1... (1711, 0) Resp

0.05 mV BI 0.15 mV



Tag.Idx



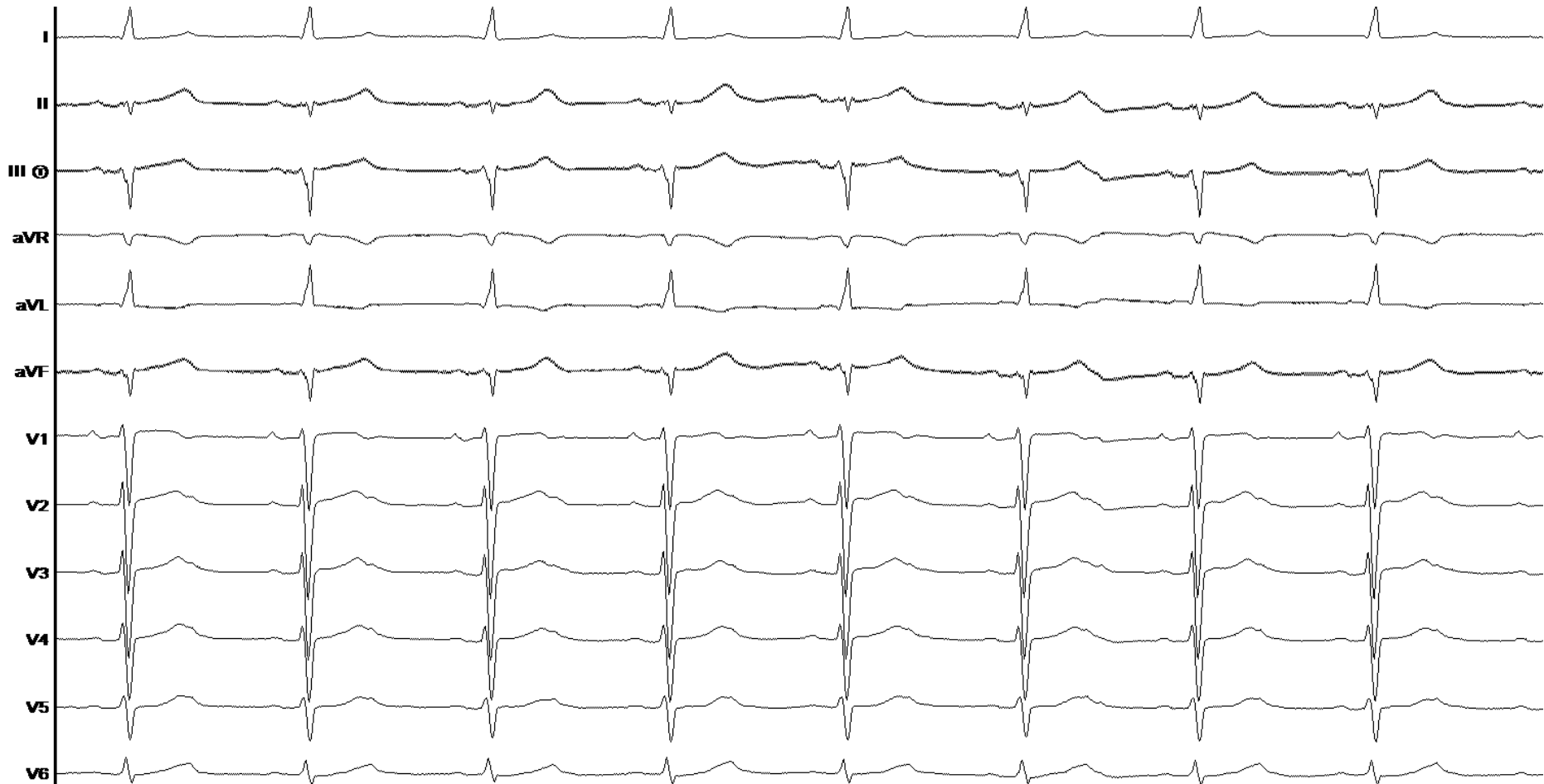
Volume: 211.95 LAO: 61°  
Caudal: 8° Swivel: 1°



AP PA LAO RAO LL RL INF SUP

Sync

# ECG FIN



# RESUME STRATEGIE ABLATION

- Rythme initial 490mS, conduction variable
- 1ère carte d'activation révèle un circuit d'allure peri-mitral, et le module COHERENT met effectivement en évidence une zone de conduction lente au niveau de l'ancienne ligne d'ablation sur l'isthme mitral + présence de potentiels longs fragmentés
- VP toutes déconnectées
- Pas de conduction sur le mur postérieur
- Ablation à 50W sur l'isthme mitral dans la zone de conduction lente et retour sinusal quasi immédiat sur tir

# DONNEES POST- ABLATION

- 12 min de scopie ( $6000\mu\text{Gym}^2$ )
- Volume OG =  $220\text{ cm}^3$
- 17 Tires
- 6 min 17s de RF
- 16kJ d'énergie RF