



ACC Latin America
Conference 2017



MEXICO CITY
JUNE 22 - 24, 2017

GLOBAL EXPERTS, LOCAL LEARNING



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Conference 2017

Acute Coronary Syndromes

Session

Lessons in Cardiac Imaging:

What Everyone Needs to Be Able to Do.

Dr. Erick Alexánderson Rosas.

Presidente de la Sociedad Mexicana de Cardiología

Jefe del Departamento de Cardiología Nuclear

Instituto Nacional de Cardiología “Ignacio Chavéz”

Jefe de Servicio Cardiología Nuclear.

Caso clínico 1

Caso clínico 1

Antecedentes

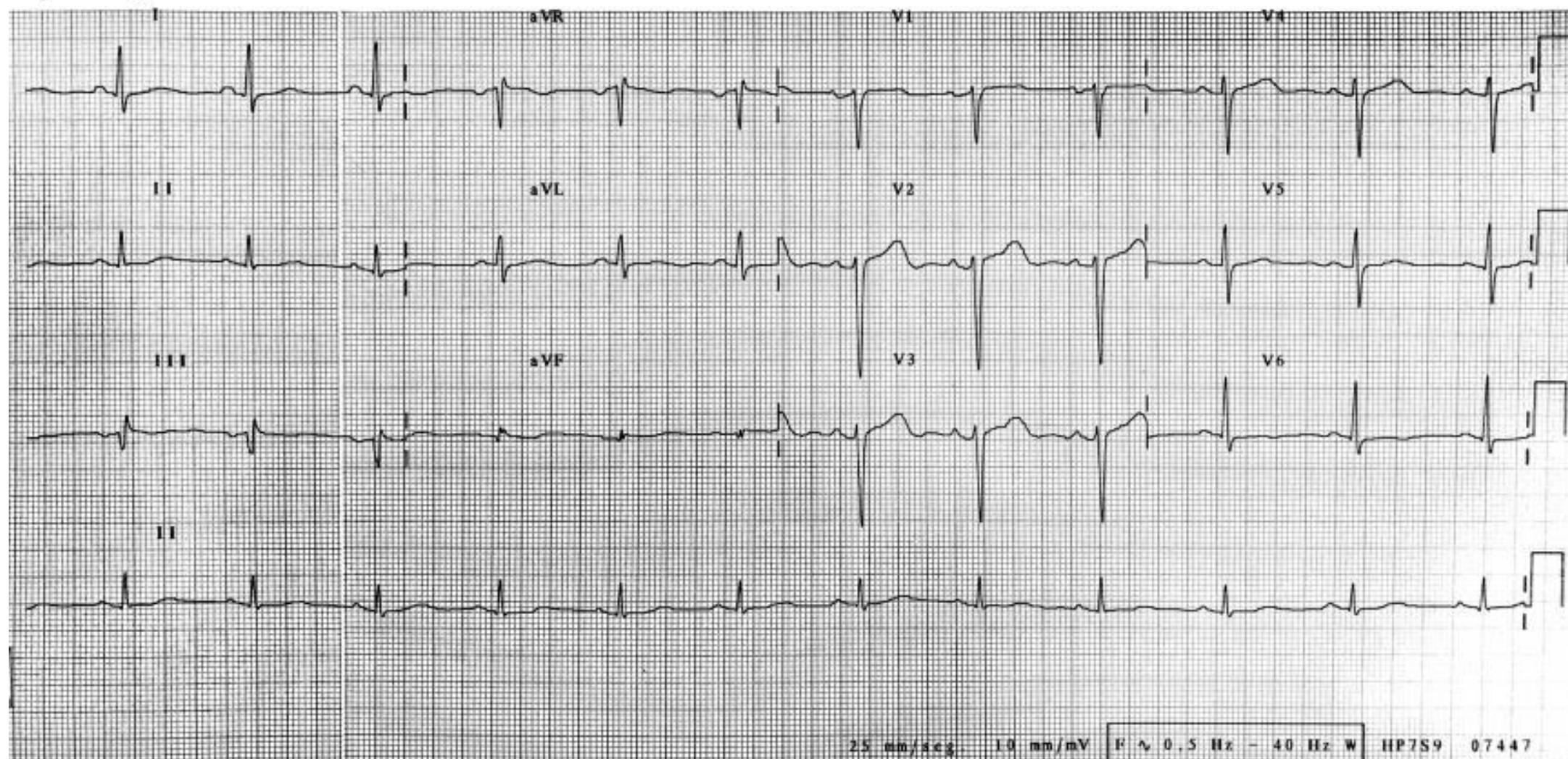
- Masculino.
- 49 años de edad.
- Productor de televisión.
- AHF: padre finado por IAM a los 68 años.
- Alcohol, tabaco: negados.
- Crónico degenerativos: HAS 5 años evolución, azilsartán 40mg/dia.
- Motivo del estudio : angina atípica (punzadas ocasionales, posterior a evento de asalto, hace 3 meses).
- Solicitud de estudio de perfusión miocardica con $^{13}\text{N-NH}_3$ PET/CT + angiotomografía de coronarias.
- Riesgo pre test: intermedio.

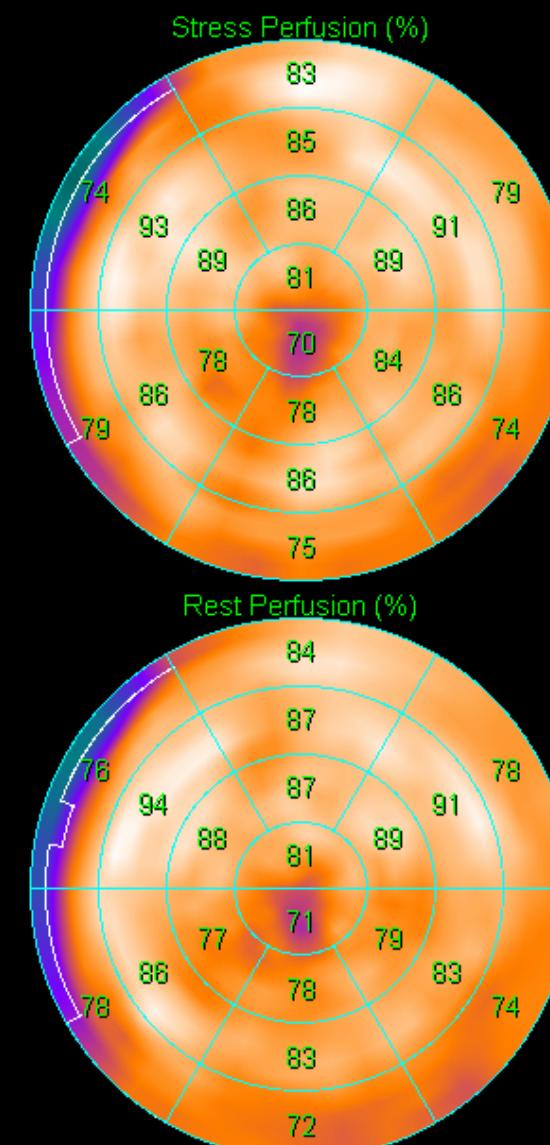
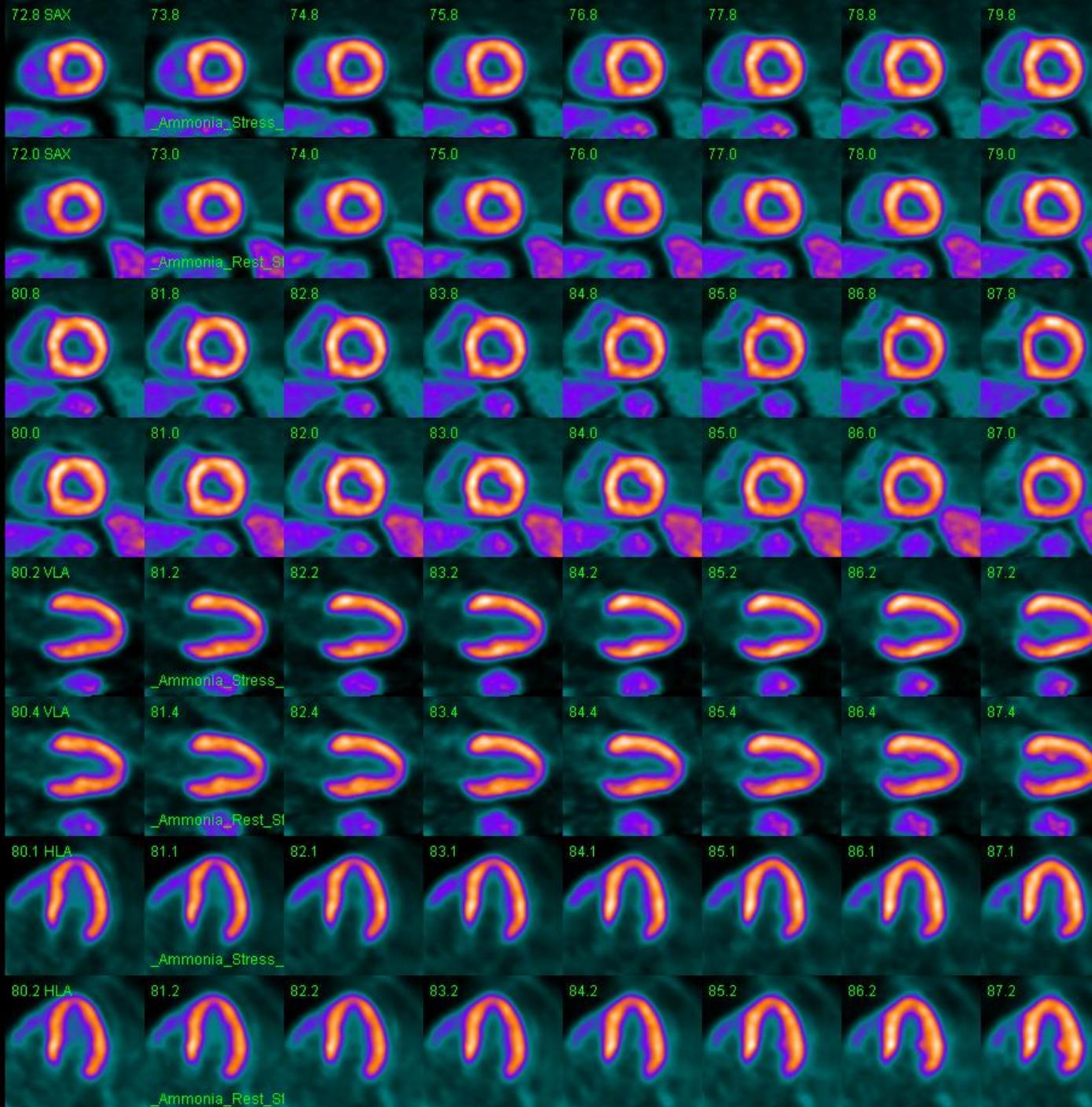
Frec. 71
 PR 173
 DQRS 87
 QT 392
 QTc 426

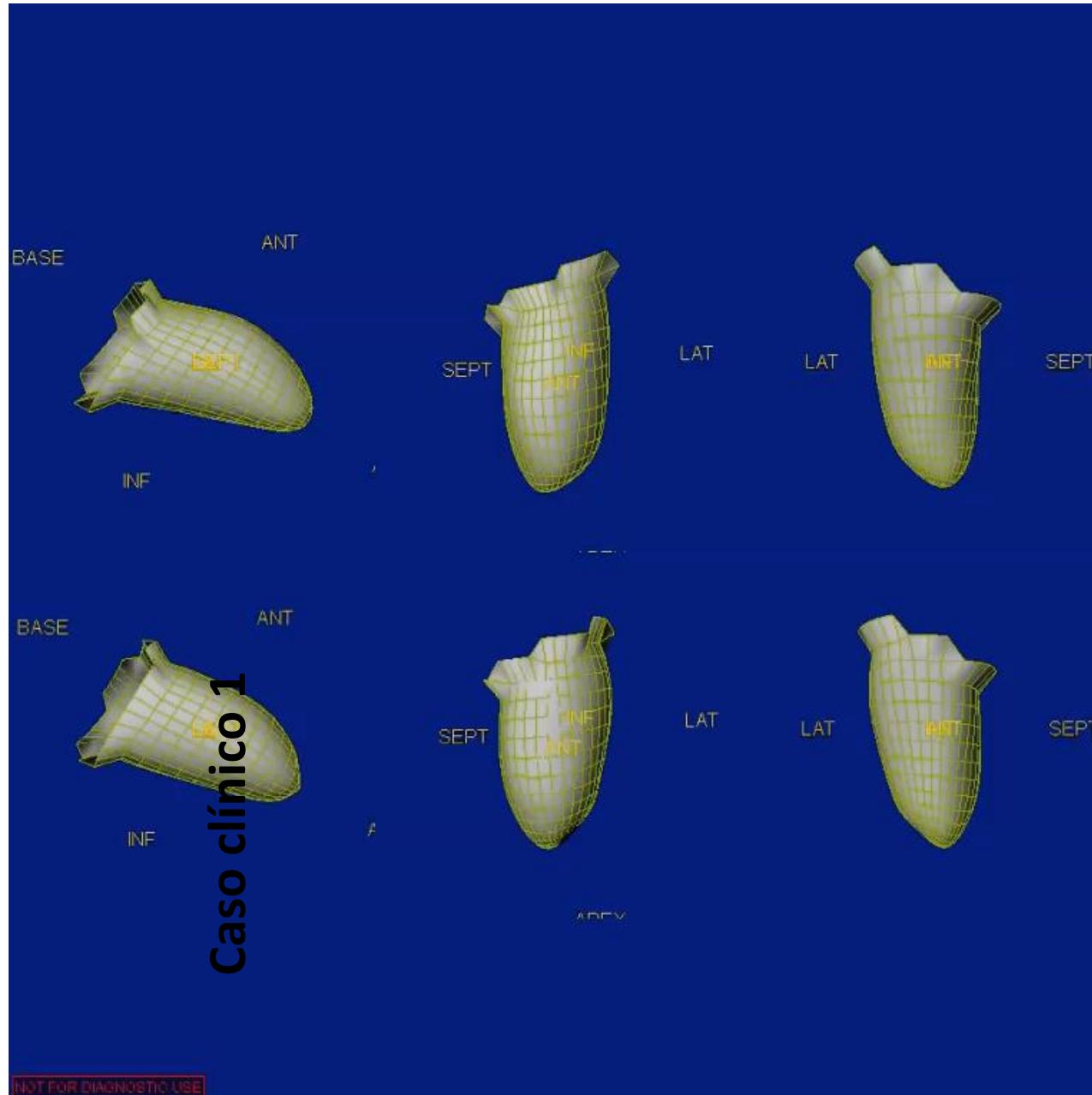
--Eje--
 P 4
 QRS 0
 T 5
 19-Abr-2017 13:24:56
 49 Años

Varón 96 kg 172 cm Presión Sanguínea: 140/100

PageWriter 200
 Departamento: PET UNAM

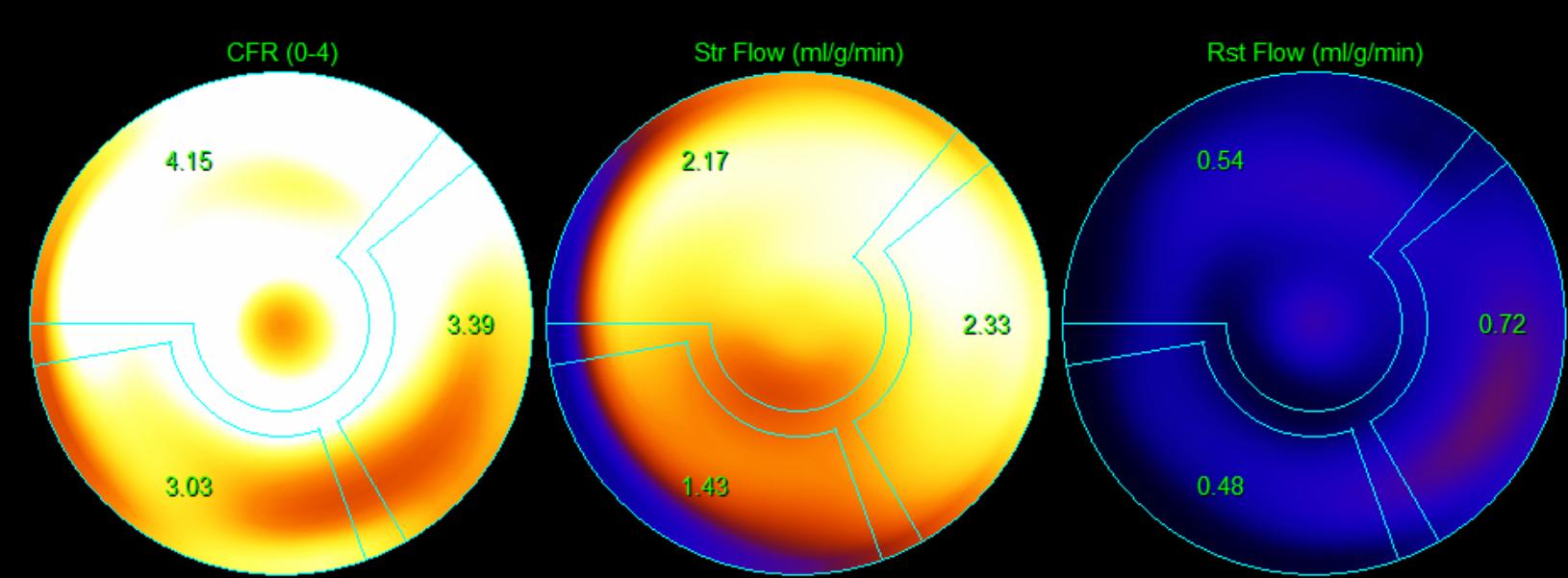






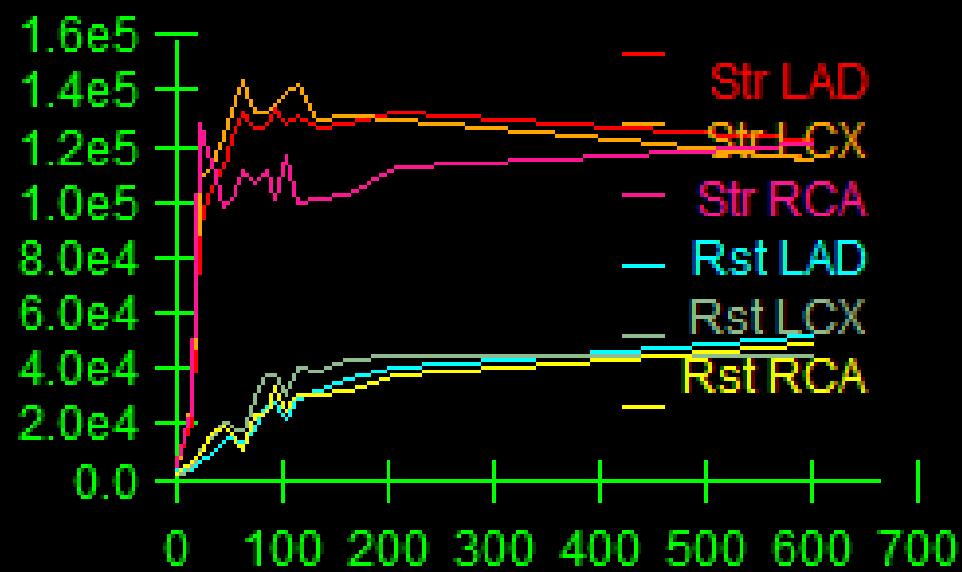
Dataset	G_Ammonia_Stress (AC)
Volume	53ml [4]
EDV	106ml [8]
ESV	53ml [4]
EF	64%

Dataset	G_Ammonia_Rest (AC)
Volume	85ml [8]
EDV	85ml [8]
ESV	30ml [3]
EF	50%

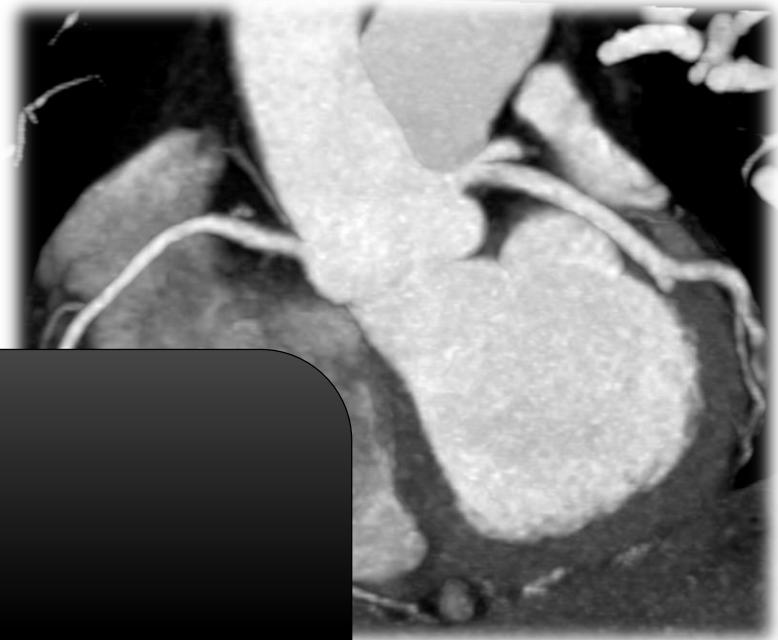
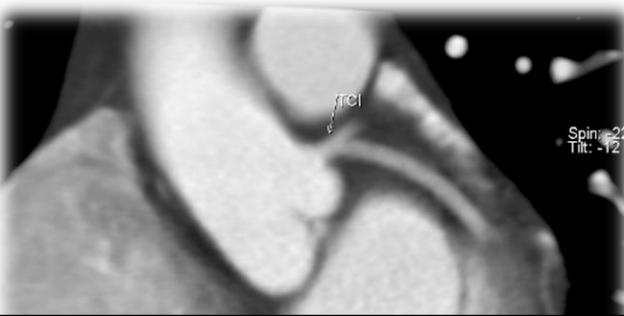


	Str Flow	Rst Flow	CFR	Str SF	Rst SF
LAD	2.17	0.54	4.15	0.57	0.45
LCX	2.33	0.72	3.39	0.62	0.60
RCA	1.43	0.48	3.03	0.72	0.55
TOT	2.04	0.56	3.81	0.62	0.52

Myocardium (Bq/ml) / Time (sec)

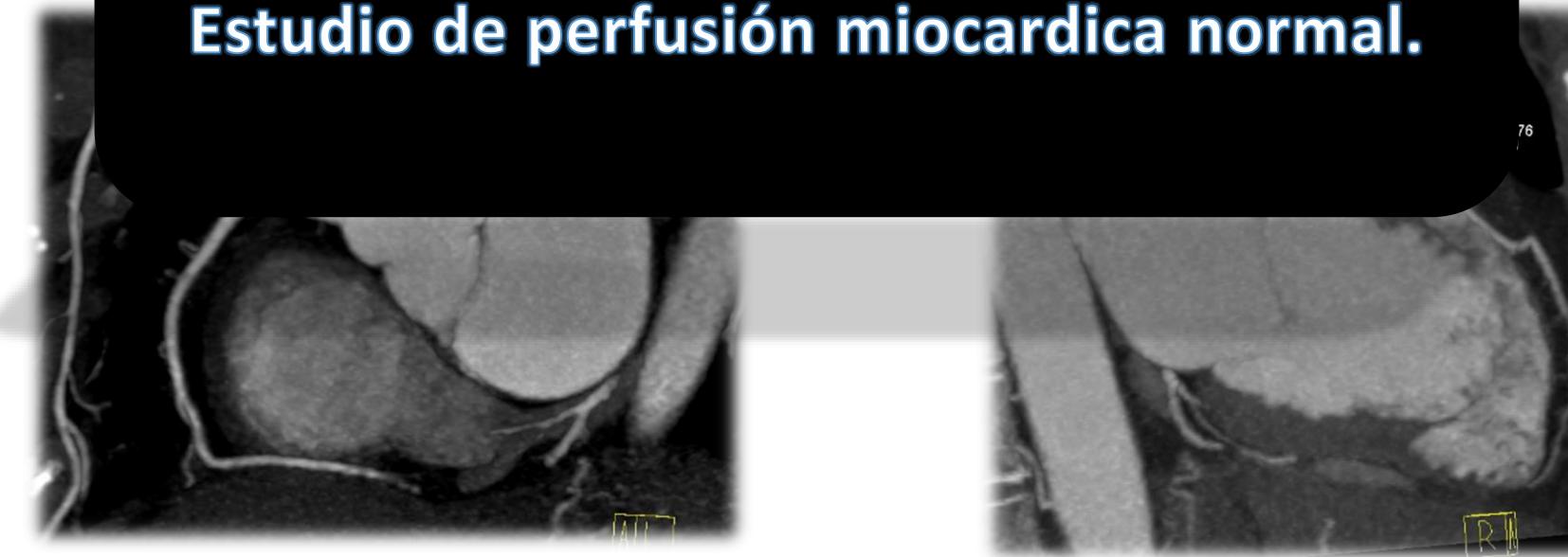


Angiotomografia de coronarias



Conclusión:

Estudio de perfusión miocardica normal.

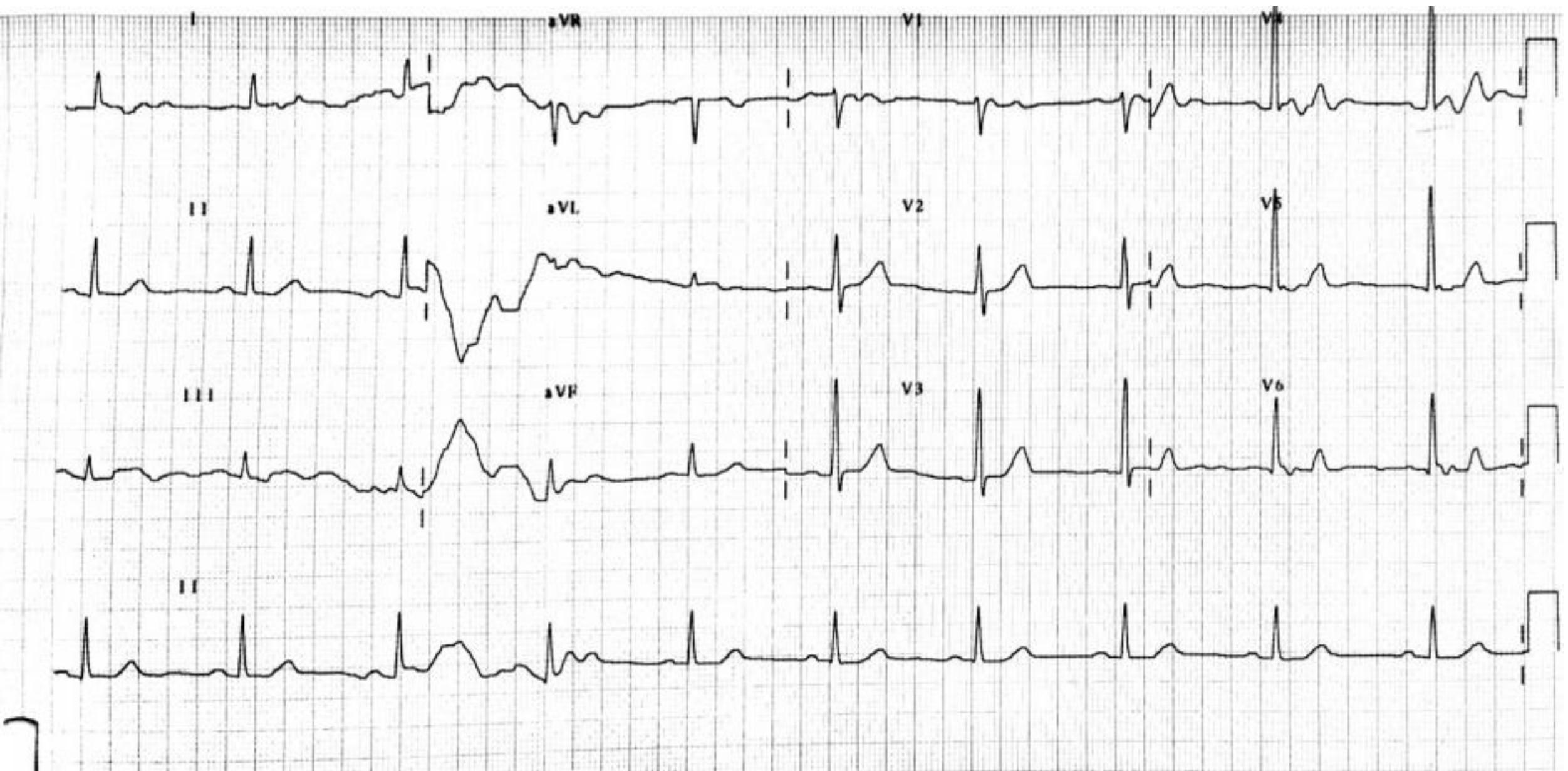


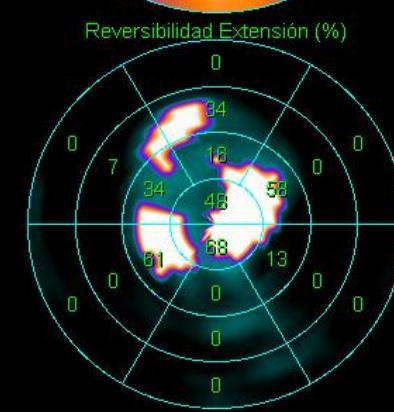
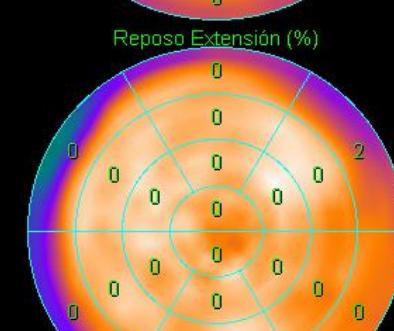
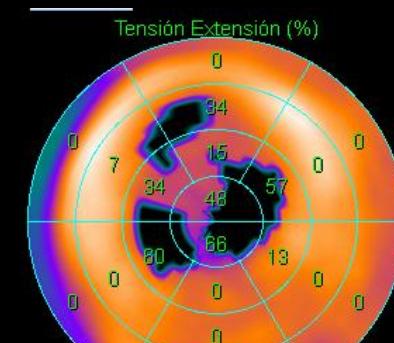
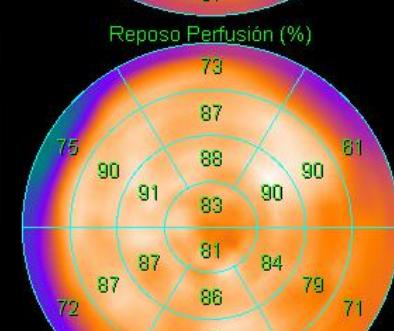
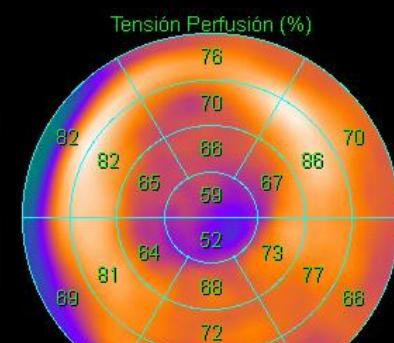
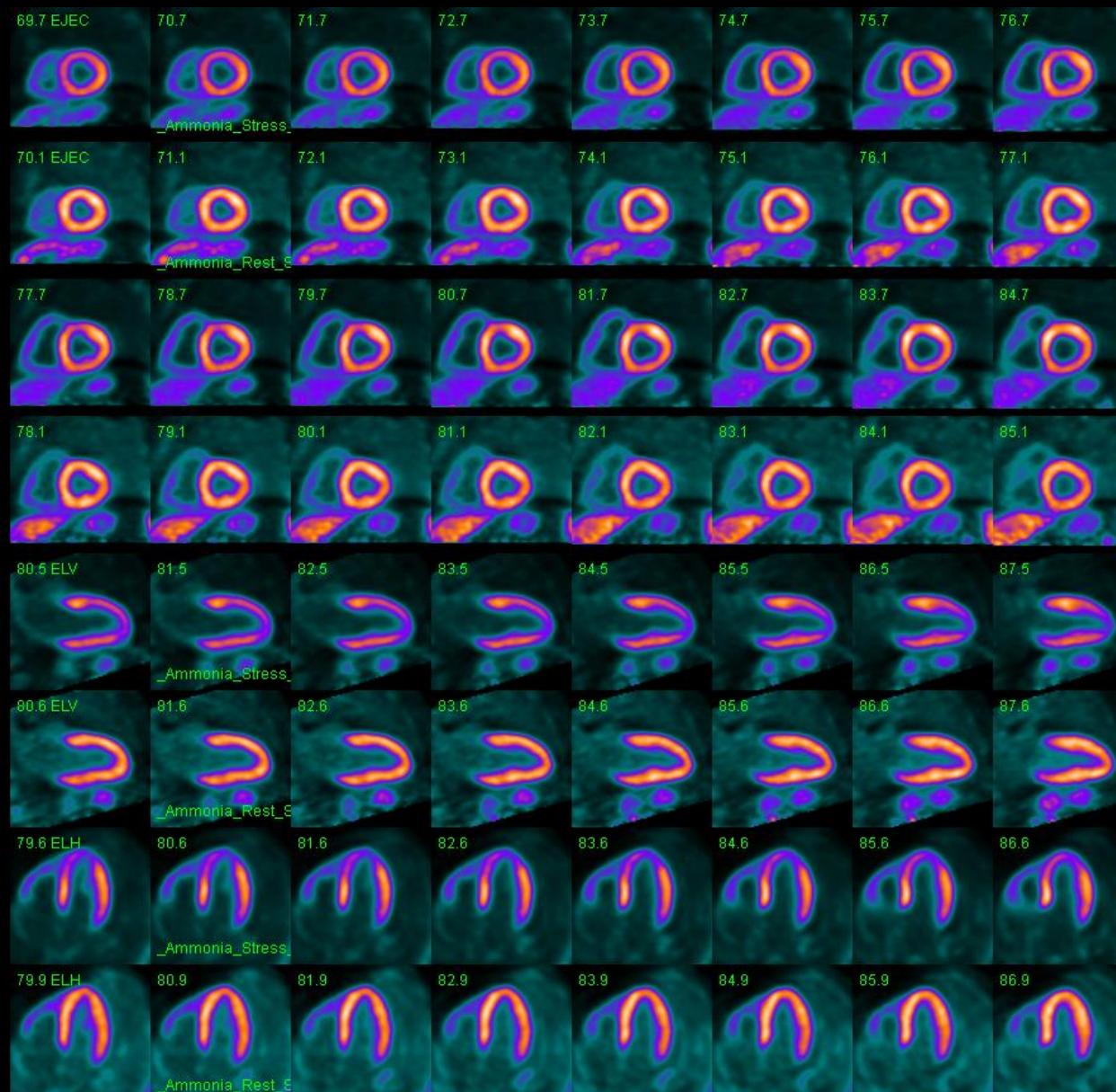
Caso clínico 2

Caso clínico 2

Antecedentes

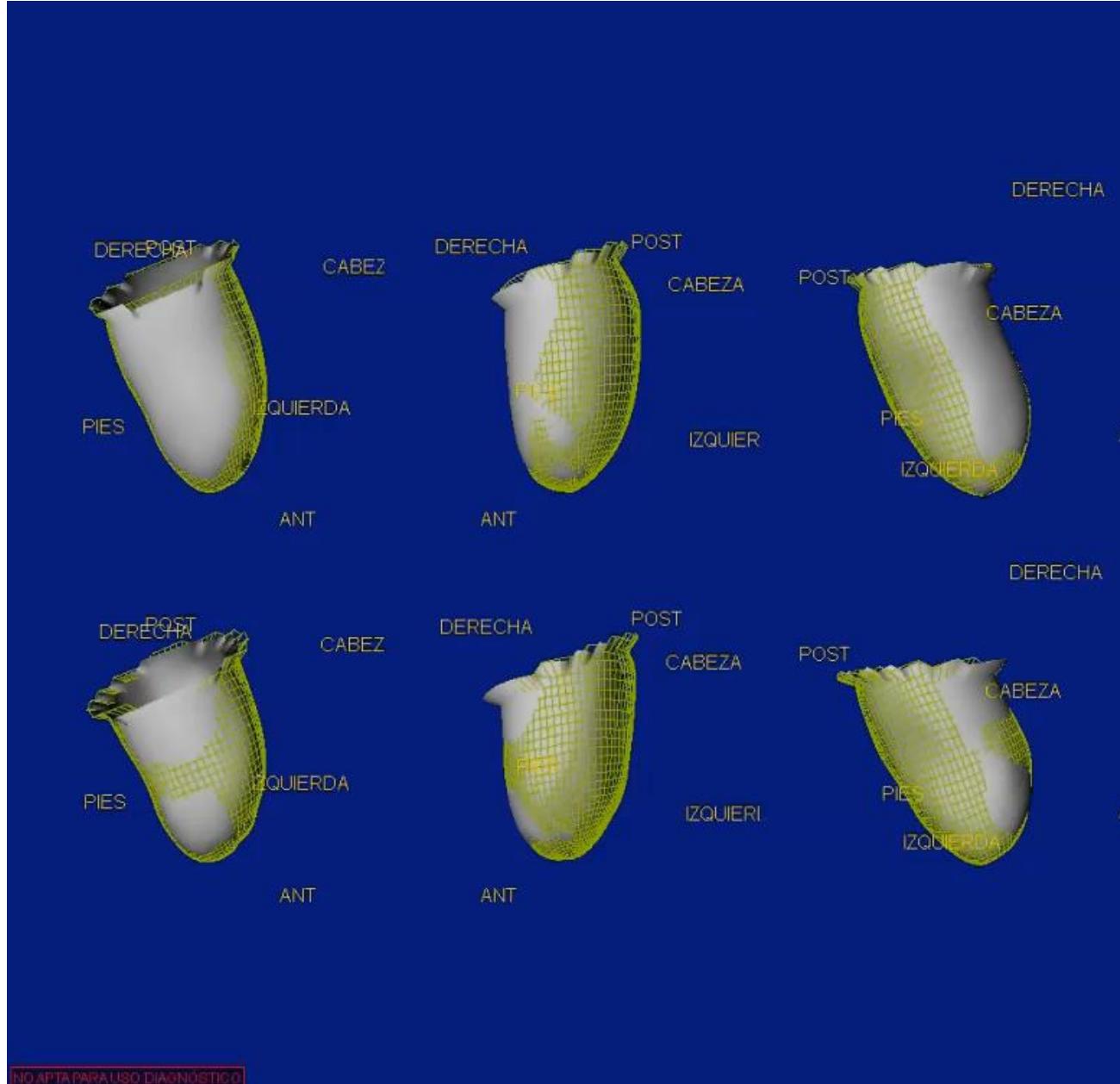
- **Masculino, 68 años de edad.**
- **Hipertensión arterial sistémica (2010)**
- **Dislipidemia.**
- **Hipotiroidismo**
- **AHF: 2 hermanos con IAM. 1 hermano con marcapasos.**
- **Búsqueda de isquemia.**
- **Solicitud de estudio de perfusión miocárdica con $^{13}\text{N-NH}_3$ Reposo/Estrés.**
- **Motivo de estudio: Angina crónica estable.**





SSS **14** SRS **0** SDS **14**
SS% **18** SR% **0** SD% **18**

TPD 12%



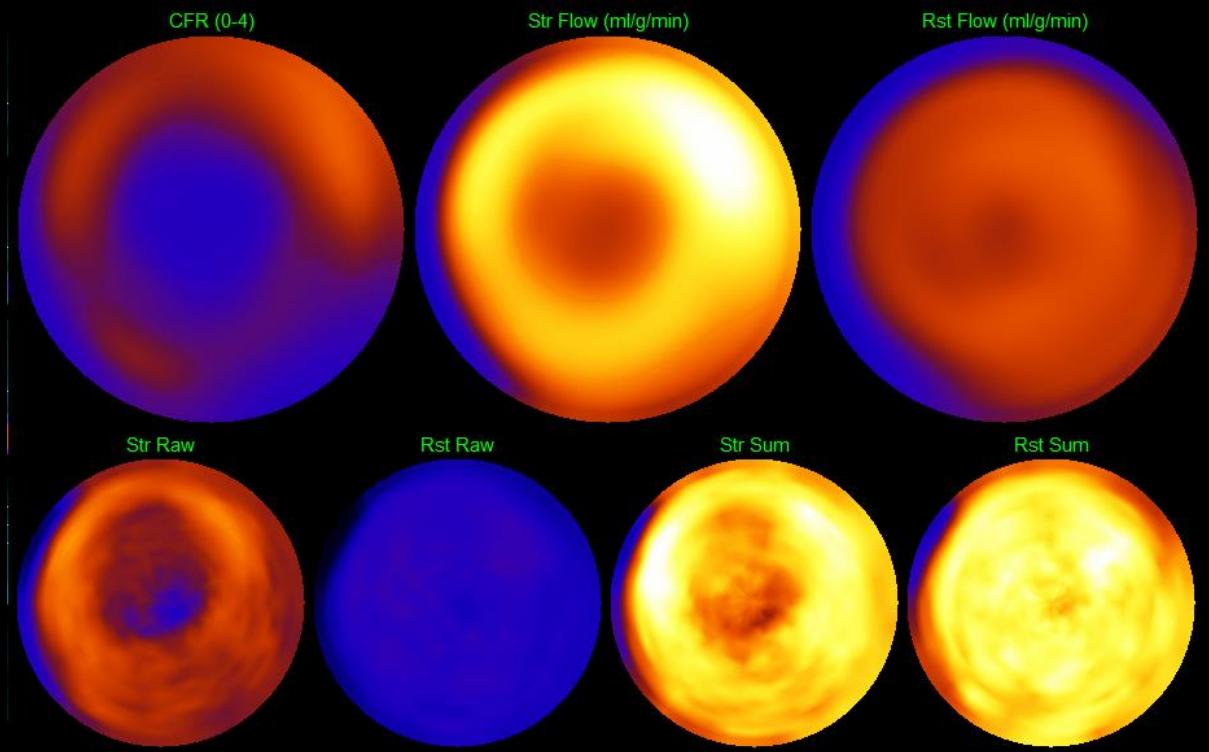
NO APTA PARA USO DIAGNÓSTICO

Conjunto de G_Ammonia_Stress (AC)

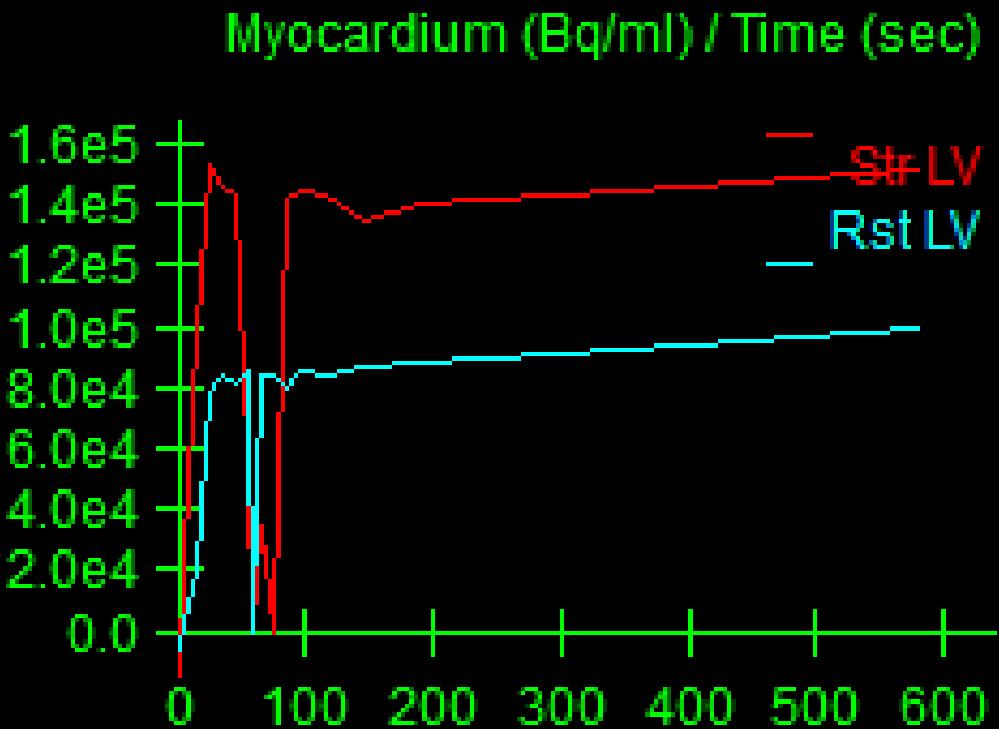
Volumen	60ml
VFD	107ml
VFS	60ml
FE	44%

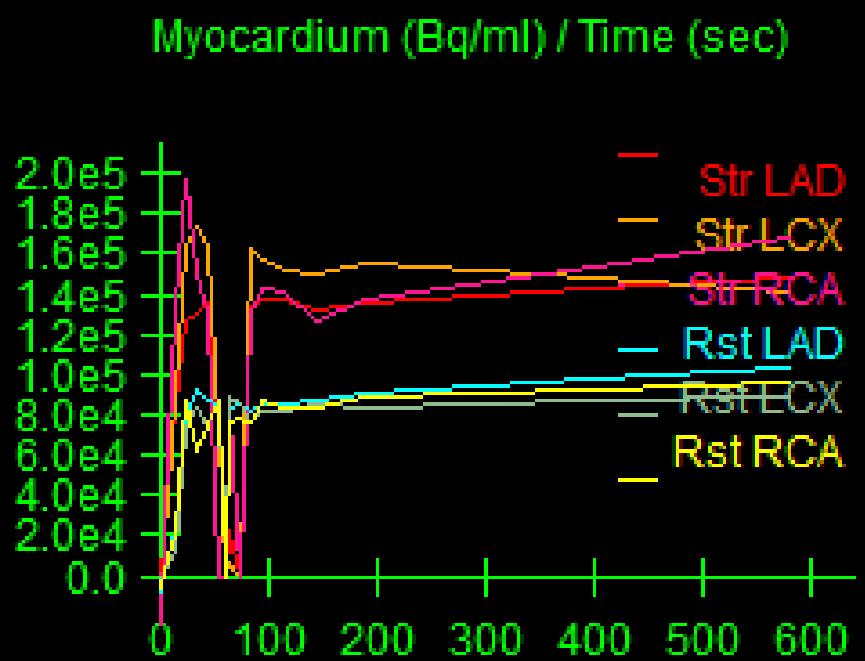
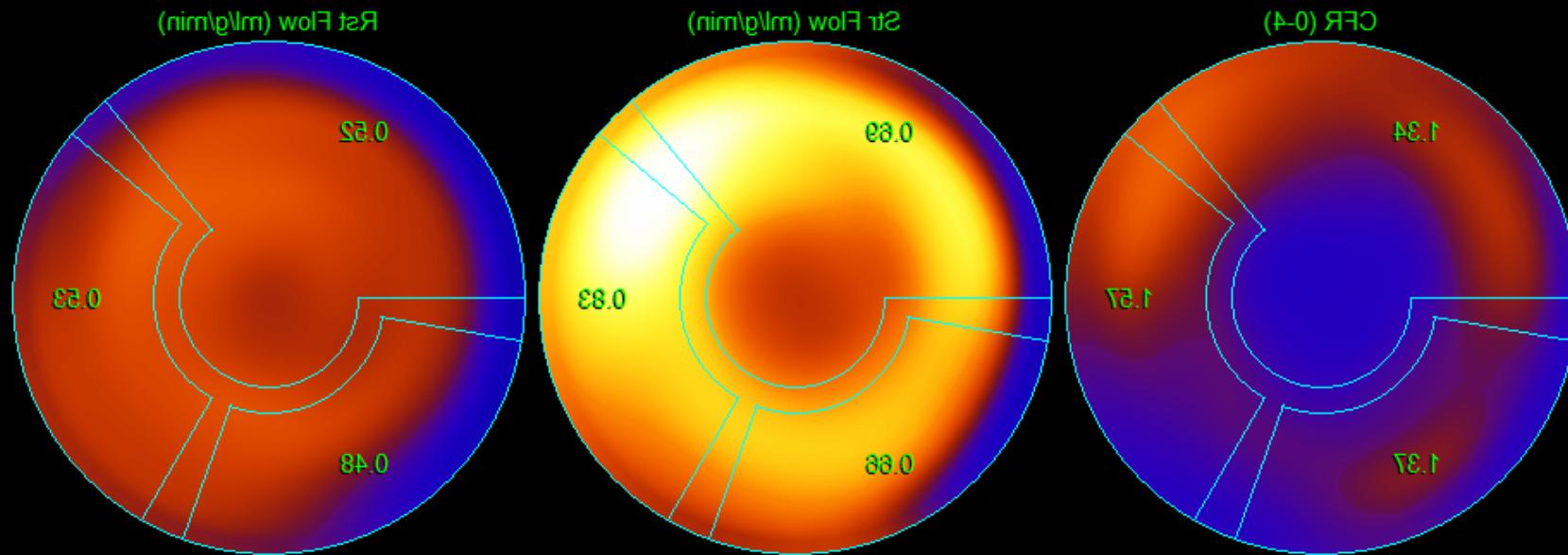
Conjunto de G_Ammonia_Rest (AC)

Volumen	36ml
VFD	74ml
VFS	36ml
FE	52%



	Str Flow	Rst Flow	CFR	Str SF	Rst SF
APX	0.57	0.53	1.07	0.53	0.39
LAT	0.83	0.54	1.55	0.72	0.36
INF	0.66	0.51	1.31	0.75	0.34
SEP	0.68	0.49	1.41	0.70	0.42
ANT	0.81	0.52	1.59	0.57	0.39
TOT	0.72	0.52	1.40	0.66	0.38





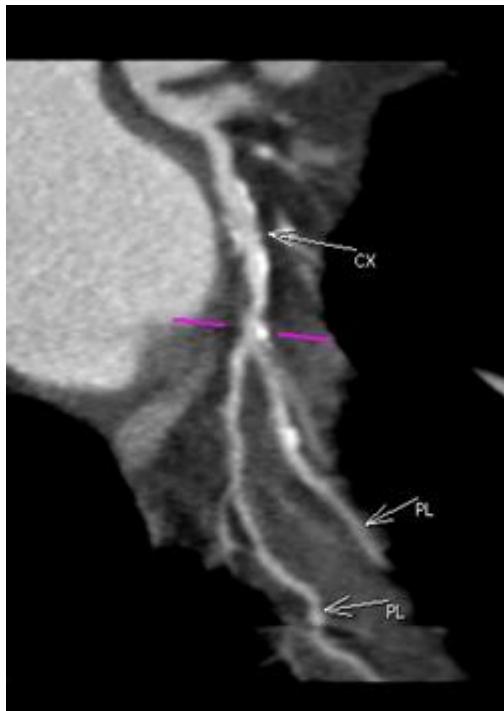
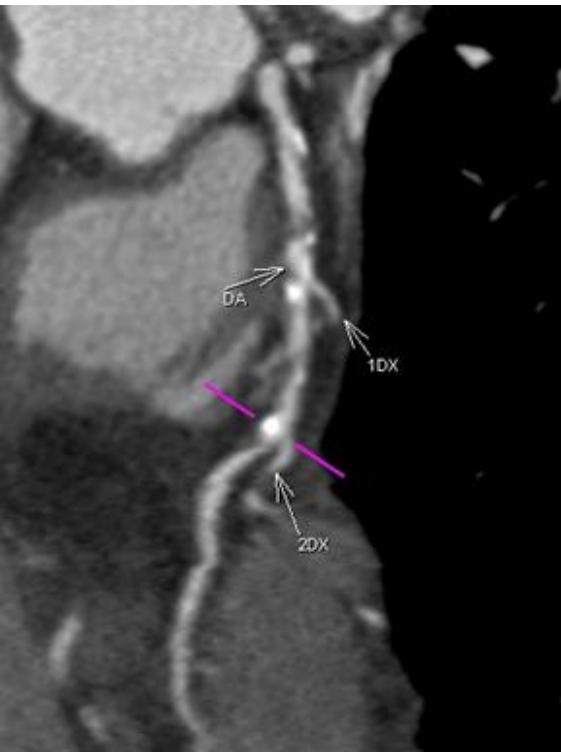
	Str Flow	Rst Flow	CFR	Str SF	Rst SF
LAD	0.69	0.52	1.34	0.58	0.40
LCX	0.83	0.53	1.57	0.73	0.36
RCA	0.66	0.48	1.37	0.76	0.36
TOT	0.72	0.52	1.40	0.66	0.38

DA.

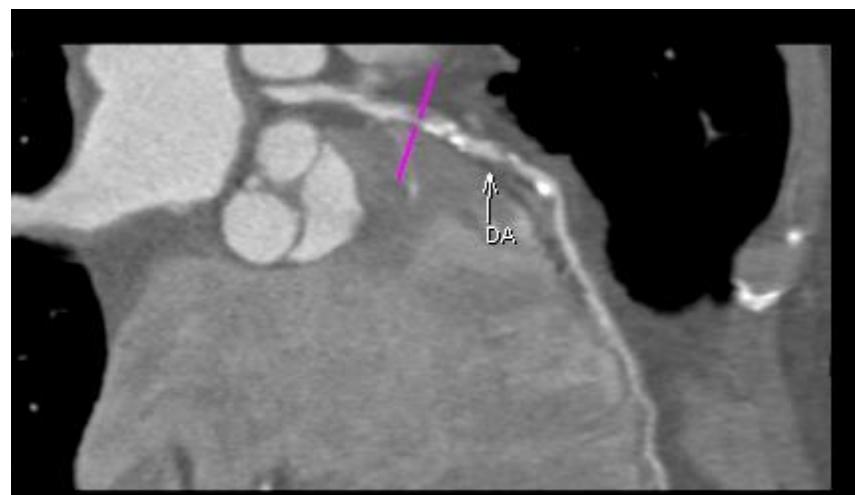
-Calcio de 264.1 U. Placa en segmento proximal , obstrucción del 90%.

-Otra intermedia del 70%.

-2 mas limítrofes (50%)

**Cx:**

-196.1 U.
- 4 placas con lesiones no significativas < 50%.

**CD:**

-463.3 U.
- Placa antes de origen de la DP: 50%.



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