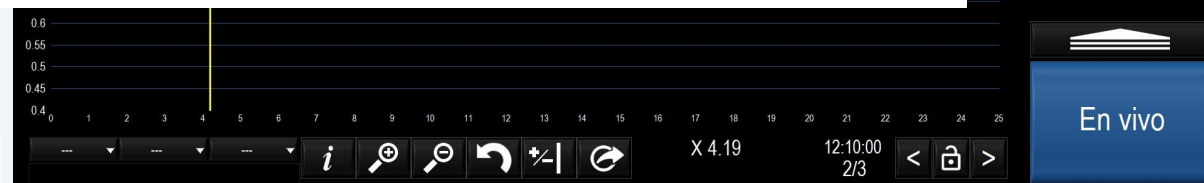
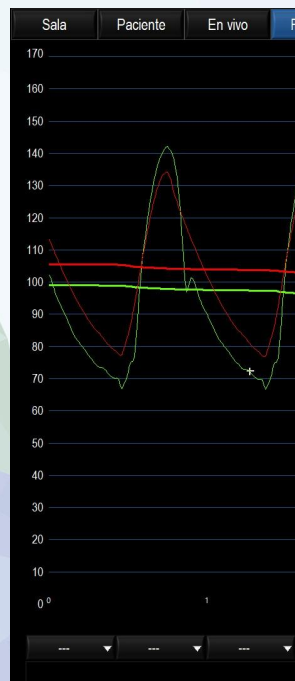
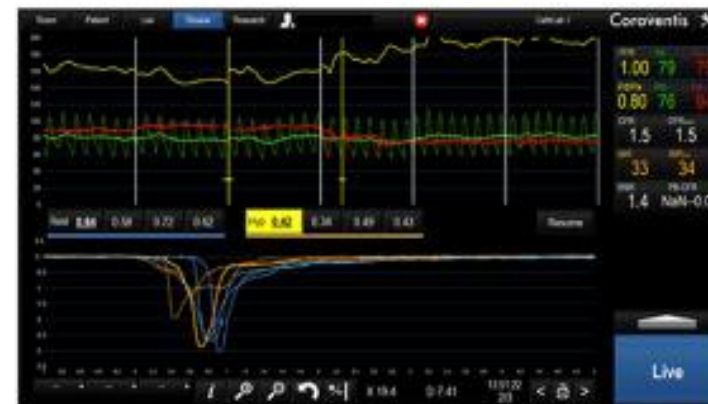
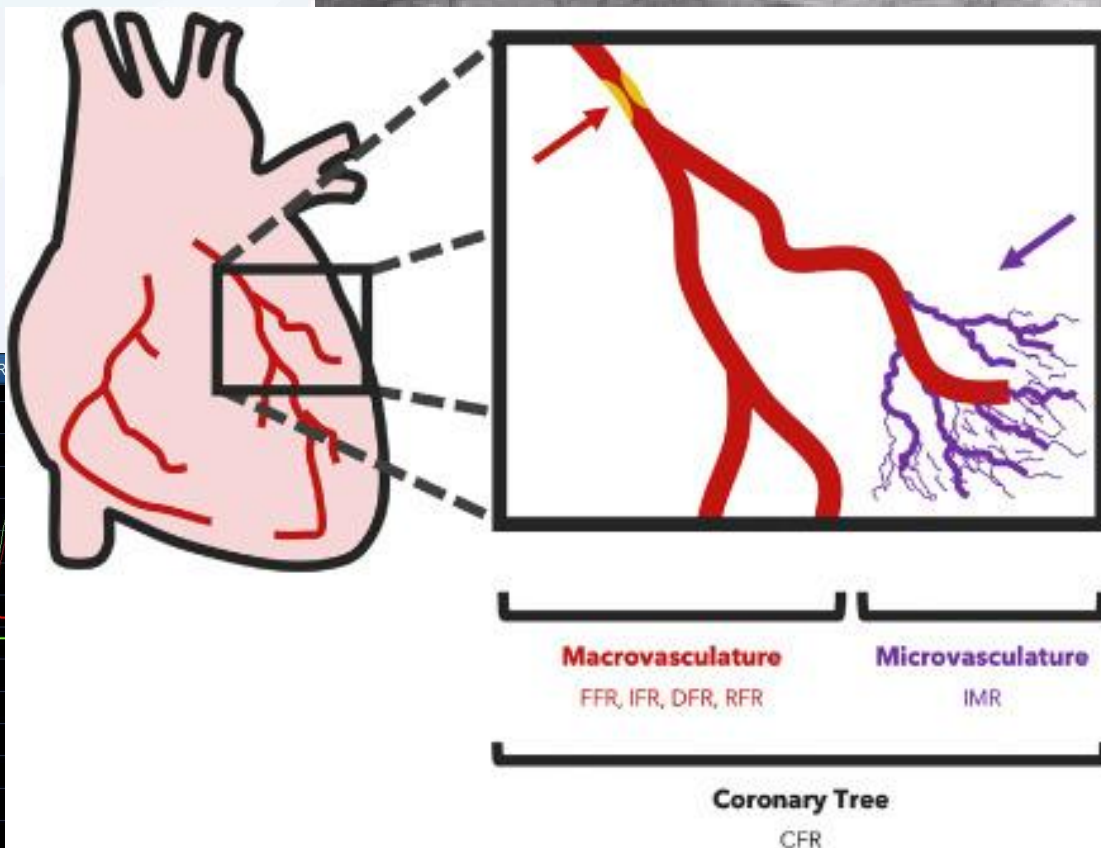


FISIOLOGÍA CORONARIA

Isabel Montero
Hospital de La
Princesa



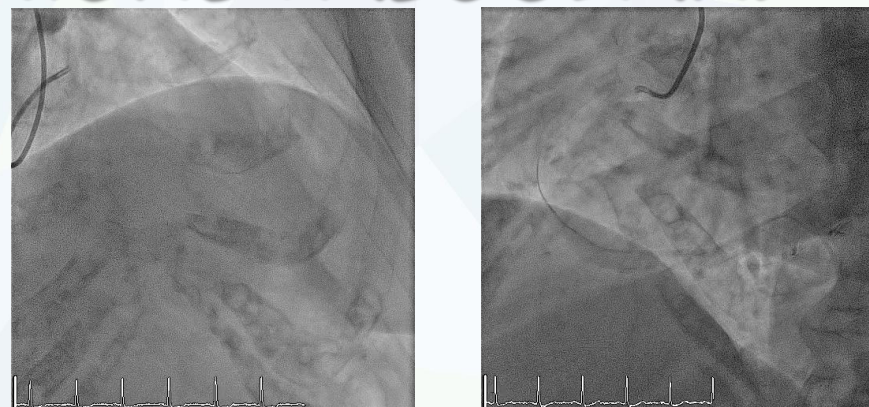
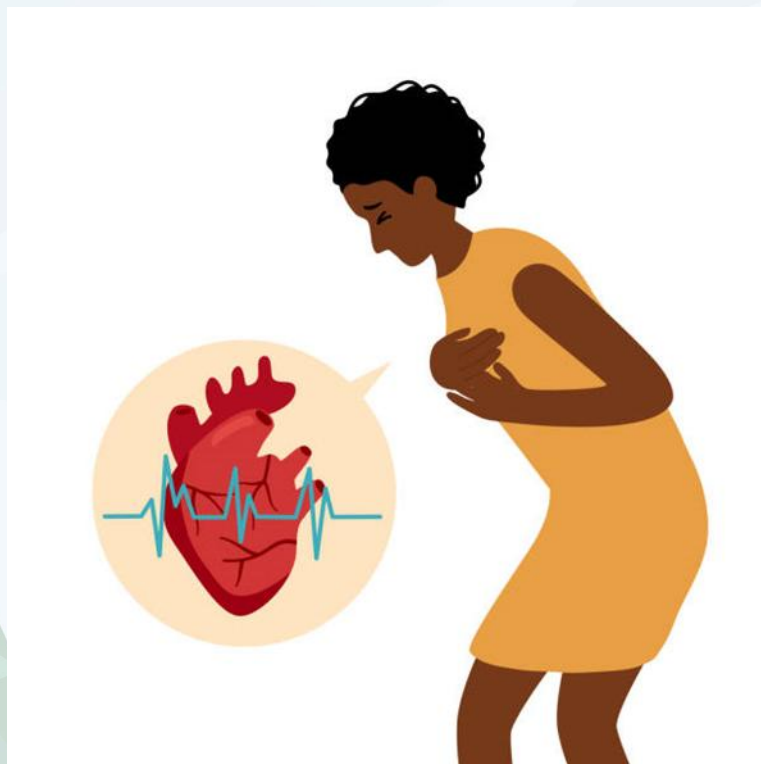
12:09:16
1/3

12:10:00
2/3

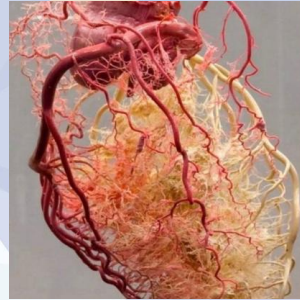
En vivo

En vivo

¿EN QUE CASOS HAREMOS ESTUDIO DE FUNCION MICROVASCULAR?



ESTUDIO DE MICROCIRCULACION CORONARIA

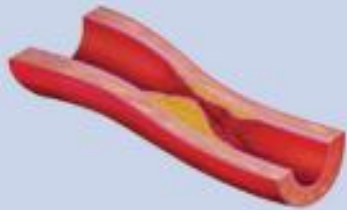


Epicardial coronary artery

Coronary microvessel

Structural
abnormality

Obstructive CAD



Coronary Microvascular Dysfunction

Increase in microvascular resistance

• \uparrow IMR

Slow flow phenomenon

• \uparrow TIMI frame count



Functional
abnormality

Coronary Spasm



Microvascular vasodilatory dysfunction

• \downarrow CFR

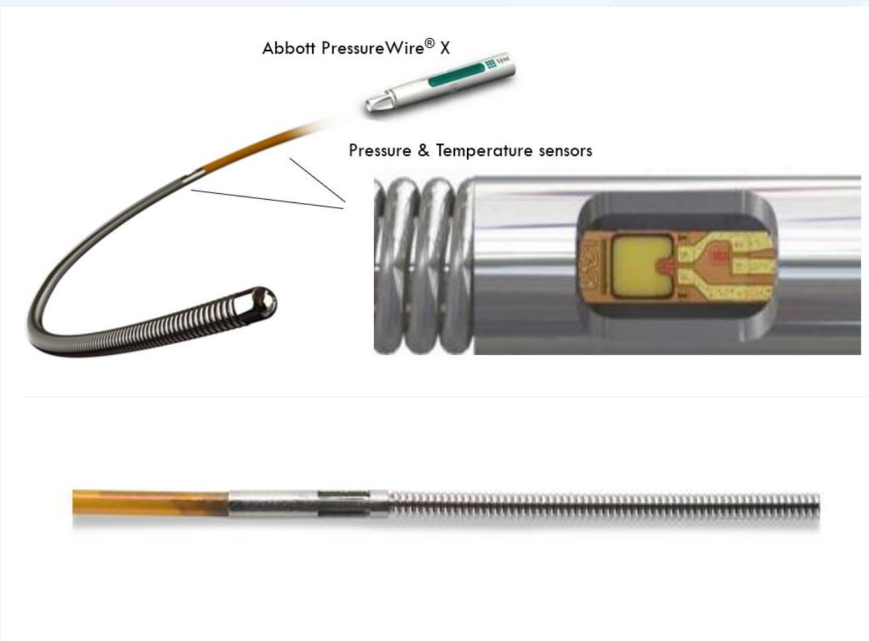
Microvascular spasm

• Positive provocation test

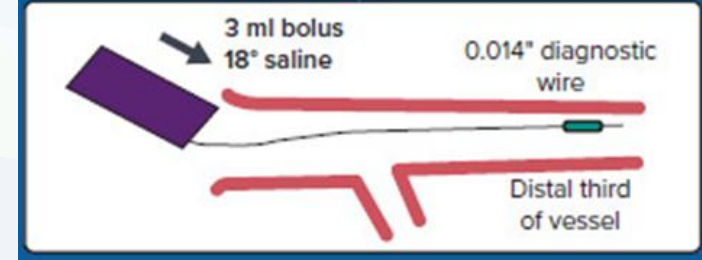
These
mechanisms
can overlap

INOCA

(ABBOTT)



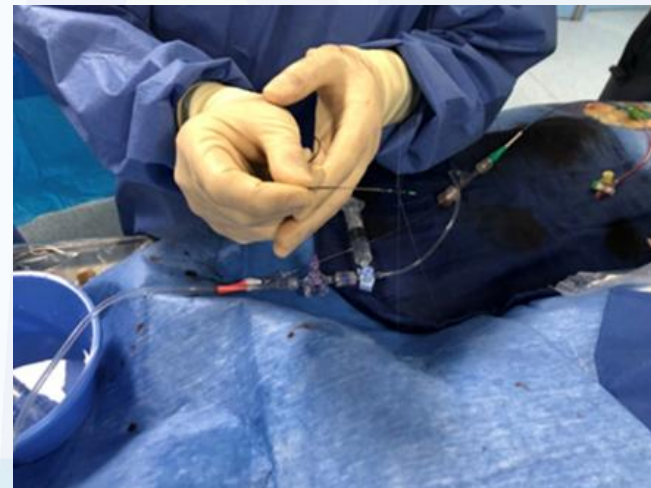
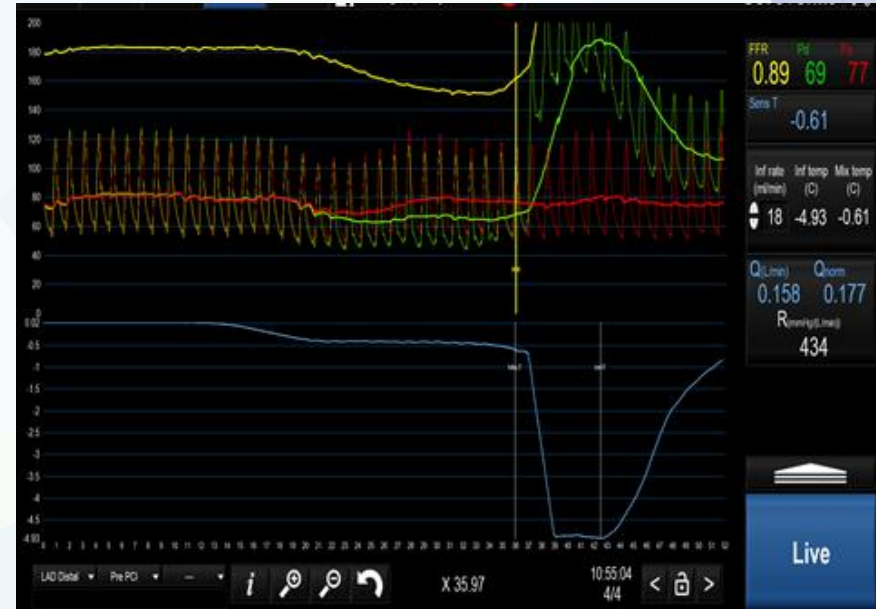
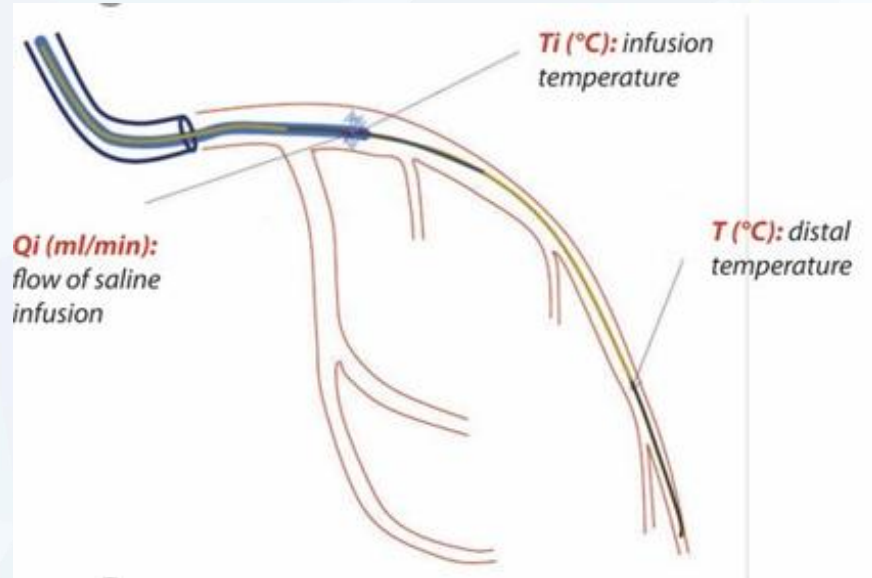
CFR/IMR



Start Inject Now Wait... Induce Hyperemia & Press here Click to End and Save

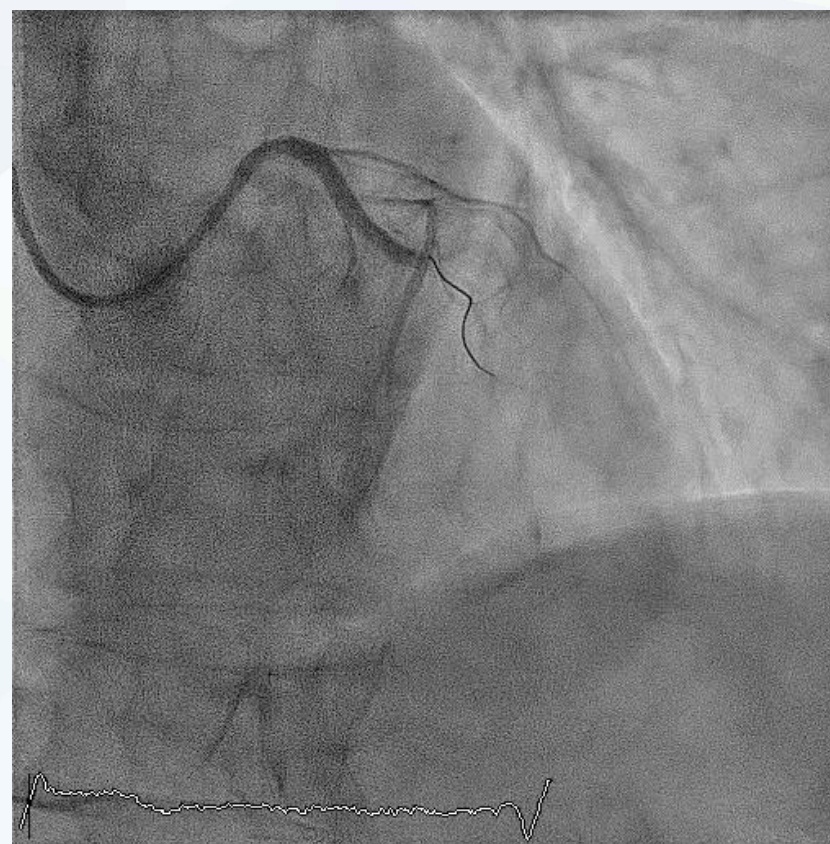
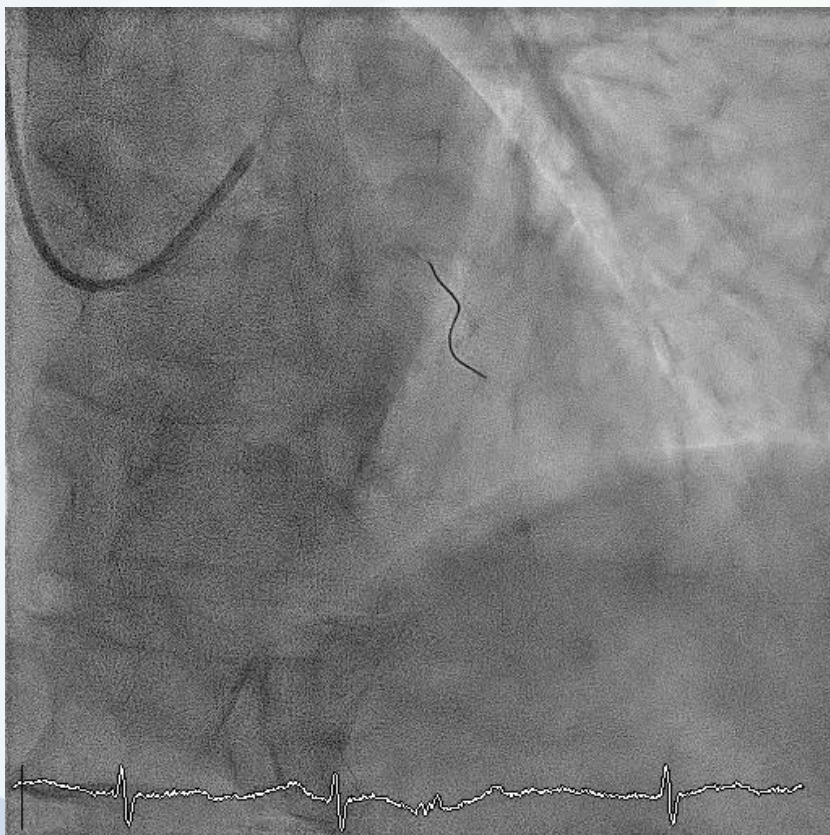
FFR ≤0.80 RFR ≤0.89 CFR ≤2.0 IMR ≥25

PROCEDIMIENTO THERMO ABSOLUTO



	Basal	Ach 2 µg	Ach 20 µg	Ach 100 µg	NTG	
Caso 1						<p>Prueba negativa con respuesta vasodilatadora (normal):</p> <ul style="list-style-type: none"> - No clínica - No cambios electrocardiográficos - Vasodilatación tras Ach (respecto basal)
Caso 2						<p>Prueba negativa con respuesta vasoconstrictora:</p> <ul style="list-style-type: none"> - No clínica - No cambios electrocardiográficos - Sin constricción ≥ 90% DS (respecto NTG) - Leve vasoconstricción (respecto basal)
Caso 3						<p>Vasoespasma epicárdico:</p> <ul style="list-style-type: none"> - Reproducción de síntomas - Descenso ST - Constricción ≥ 90% DS (respecto NTG)
Caso 4						<p>Vasoespasma microvascular:</p> <ul style="list-style-type: none"> - Reproducción de síntomas - Descenso ST - Sin constricción ≥ 90% DS (respecto NTG)

TEST VASOESPASMO



RESULTADOS

NO DISFUNCION MICROVASCULAR



FFR > 0.8



CFR > 2.0



IMR < 25



NO CMD

DISFUNCION MICROVASCULAR FUNCIONAL



FFR > 0.8



CFR < 2



IMR < 2.5



CMD
FUNCIONAL

En vivo

DISFUNCION MICROVASCULAR ESTRUCTURAL



FFR > 0.8



CFR > 2



IMR > 25



CMD ESTRUCTURAL

DISFUNCION MICROVASCULAR COMPLETA



FFR > 0.8

+

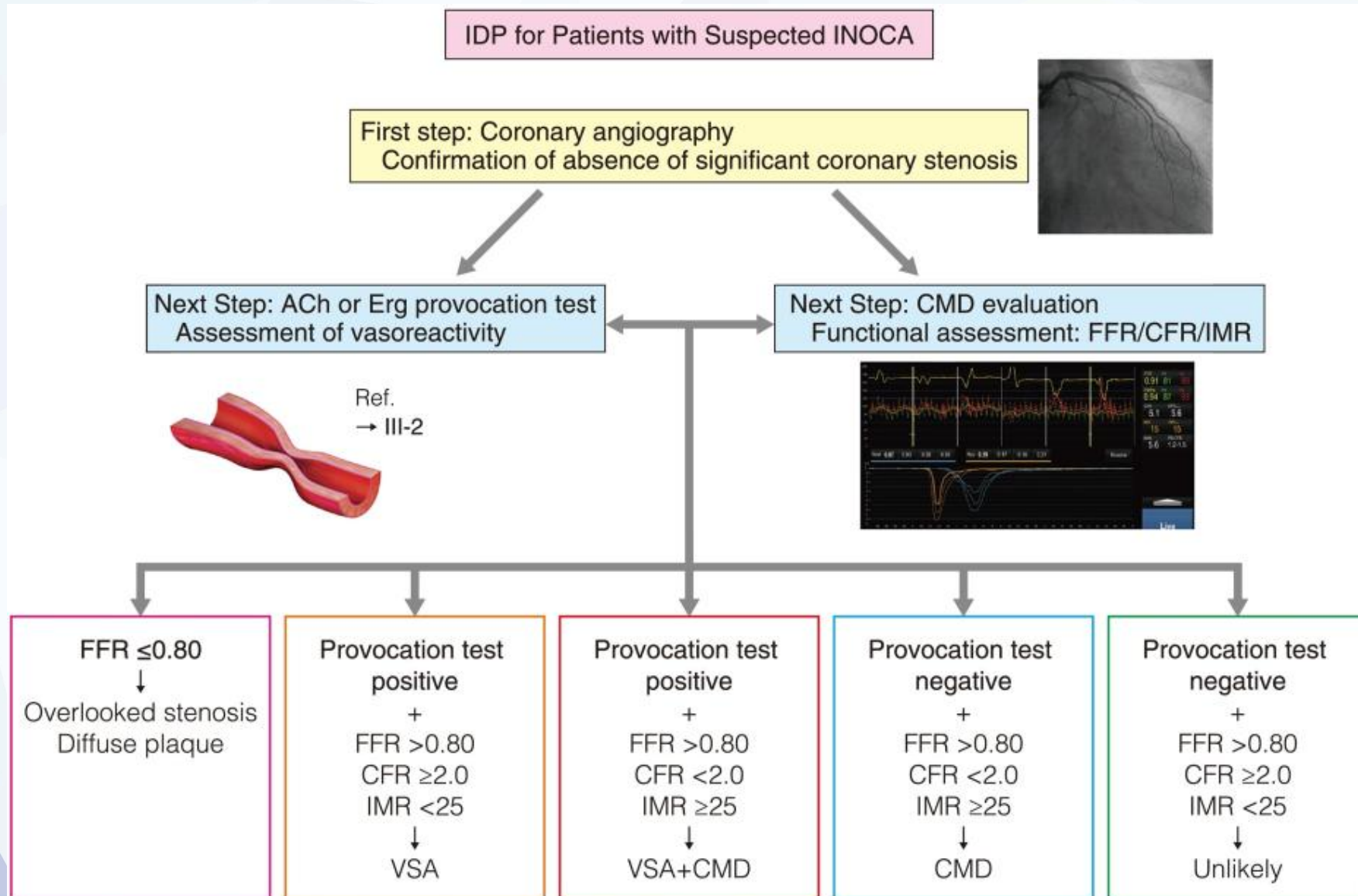
CFR < 2

+

IMR > 25

=

CMD



Management of INOCA

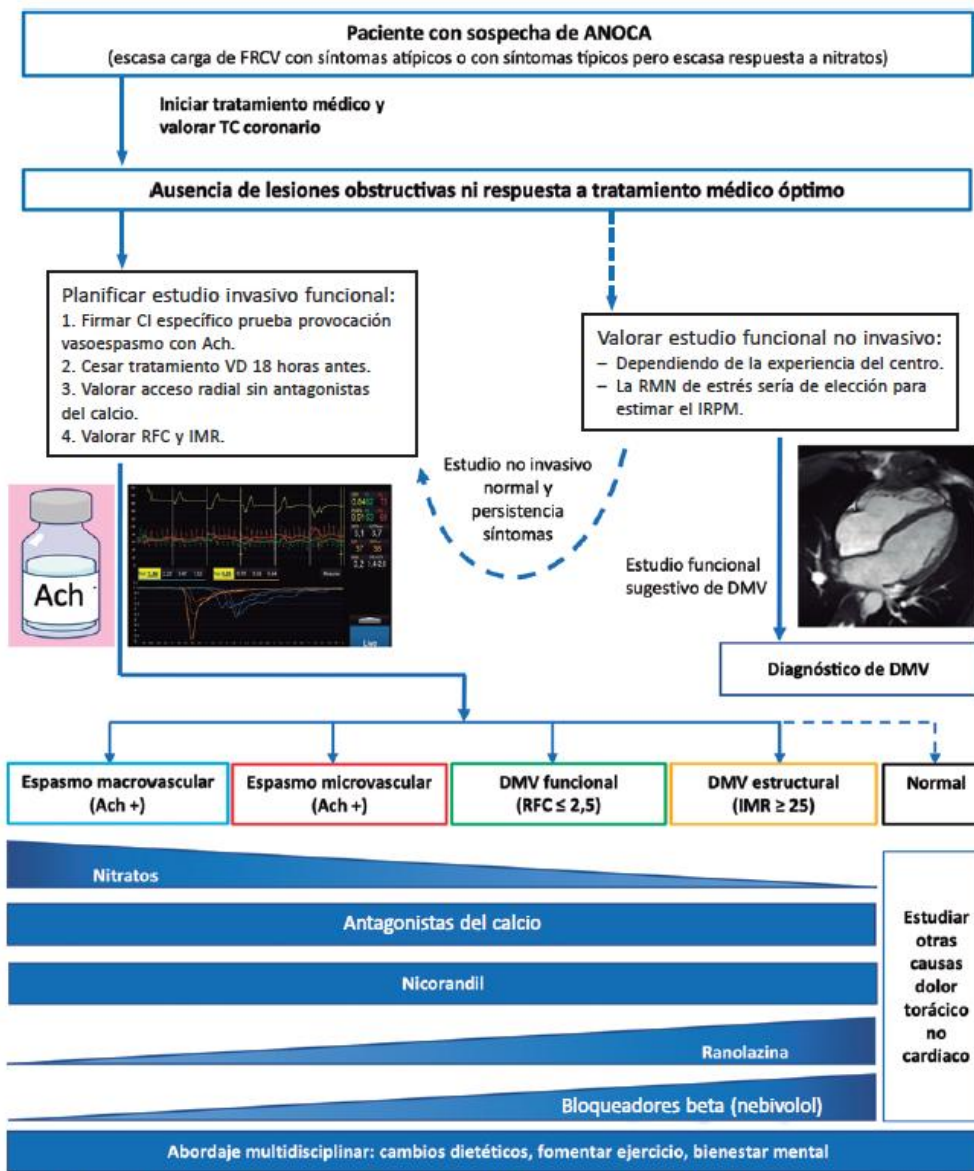
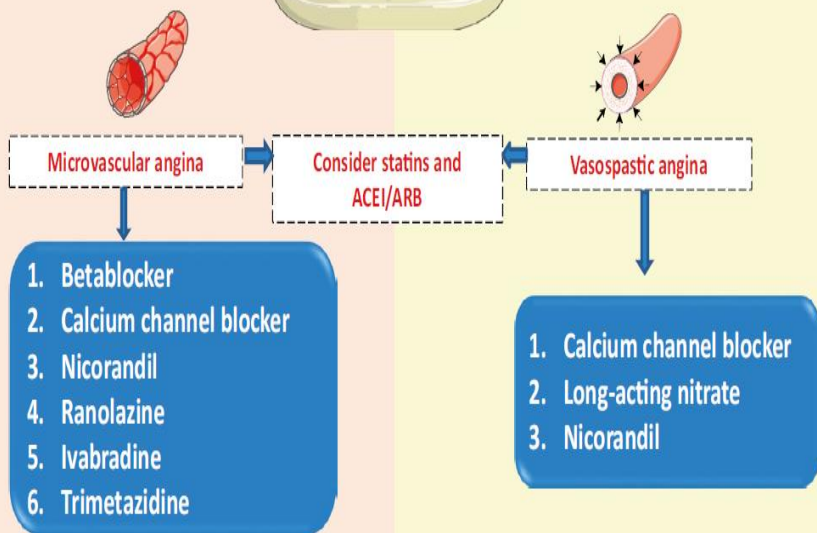
1. Lifestyle factors



2. Risk factor management



3. Antianginal medication





MUCHAS GRACIAS