



Taller de Corregistro IVUS + iFR

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iFR/FFR e IVUS: indicación de uso

Recommendations	Class ^a	Level ^b
During ICA, selective assessment of functional severity of <u>intermediate^c diameter stenoses</u> is recommended to guide the decision to revascularize, using the following techniques:		
• <u>FFR/iFR (significant ≤ 0.8 or ≤ 0.89, respectively);</u> <small>49,308,310,311,313,321–323,332,373</small>	I	A

Recommendations*	Class	Level
Assessment of procedural risks and post-procedural outcomes		
Intracoronary imaging guidance by IVUS or OCT is recommended when performing PCI on <u>anatomically complex lesions, in particular left main stem, true bifurcations, and long lesions.</u>	I	A

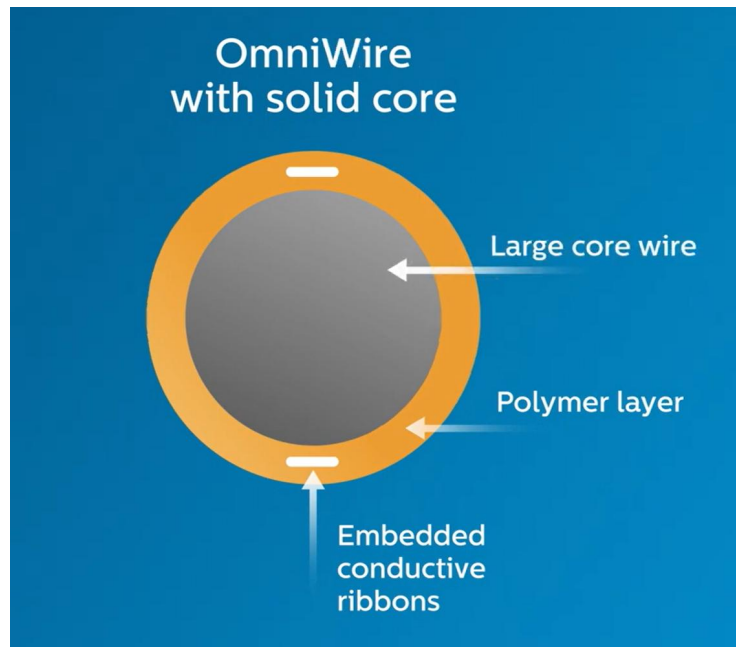
Sistema Intrasight para Guía de Presión e IVUS

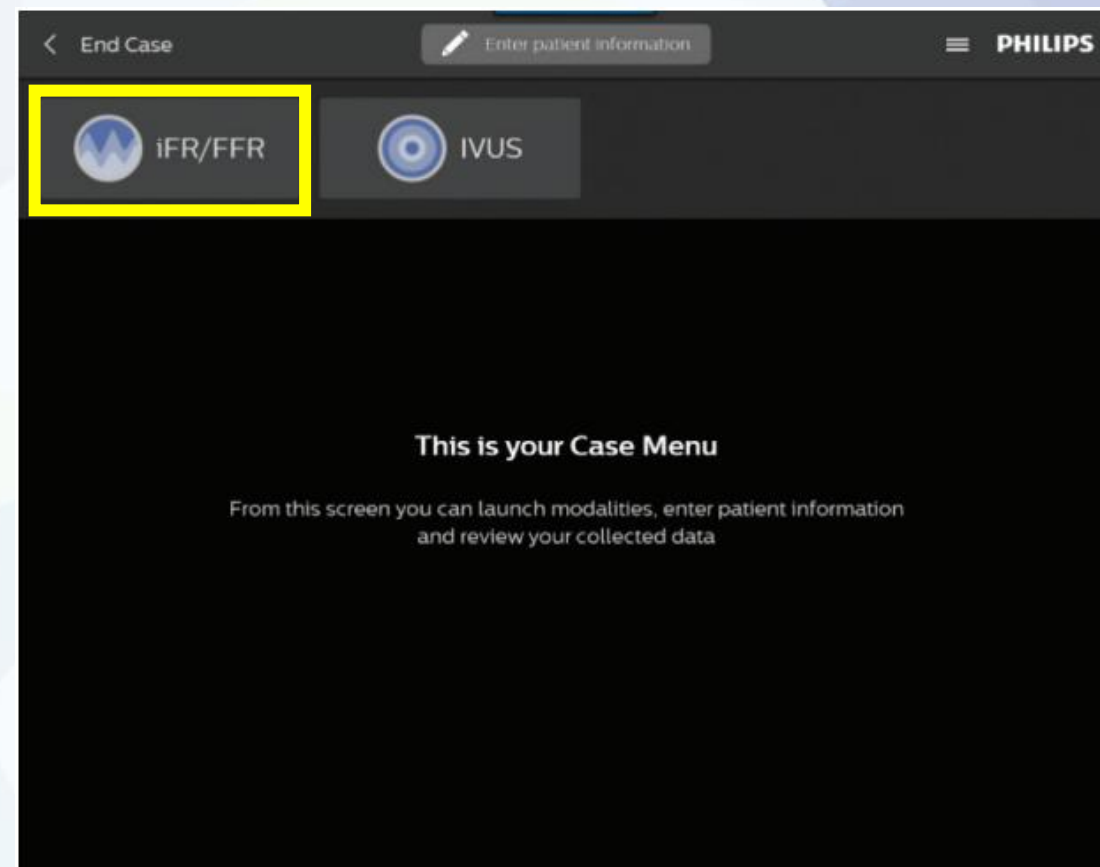
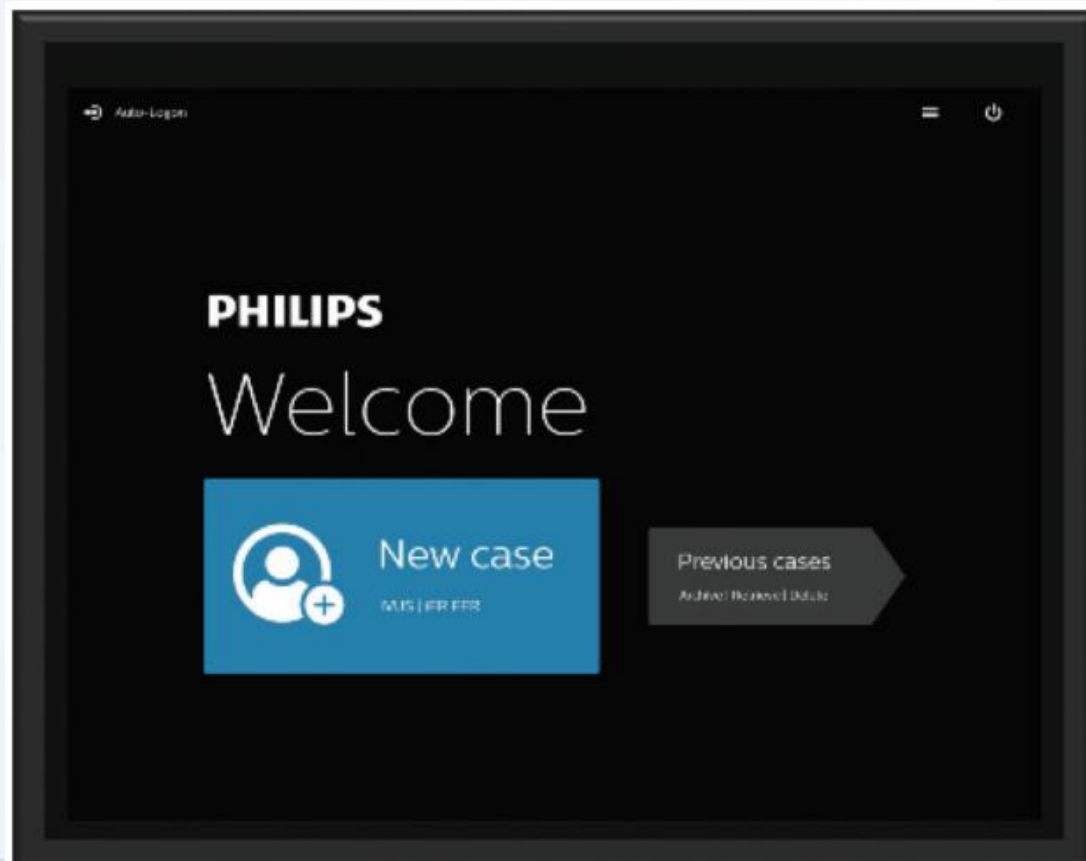
- *Software sencillo e intuitivo*
- *Conexiones y puesta en marcha rápida y automática*
- *Aplicación en cuadro de mando en sala*

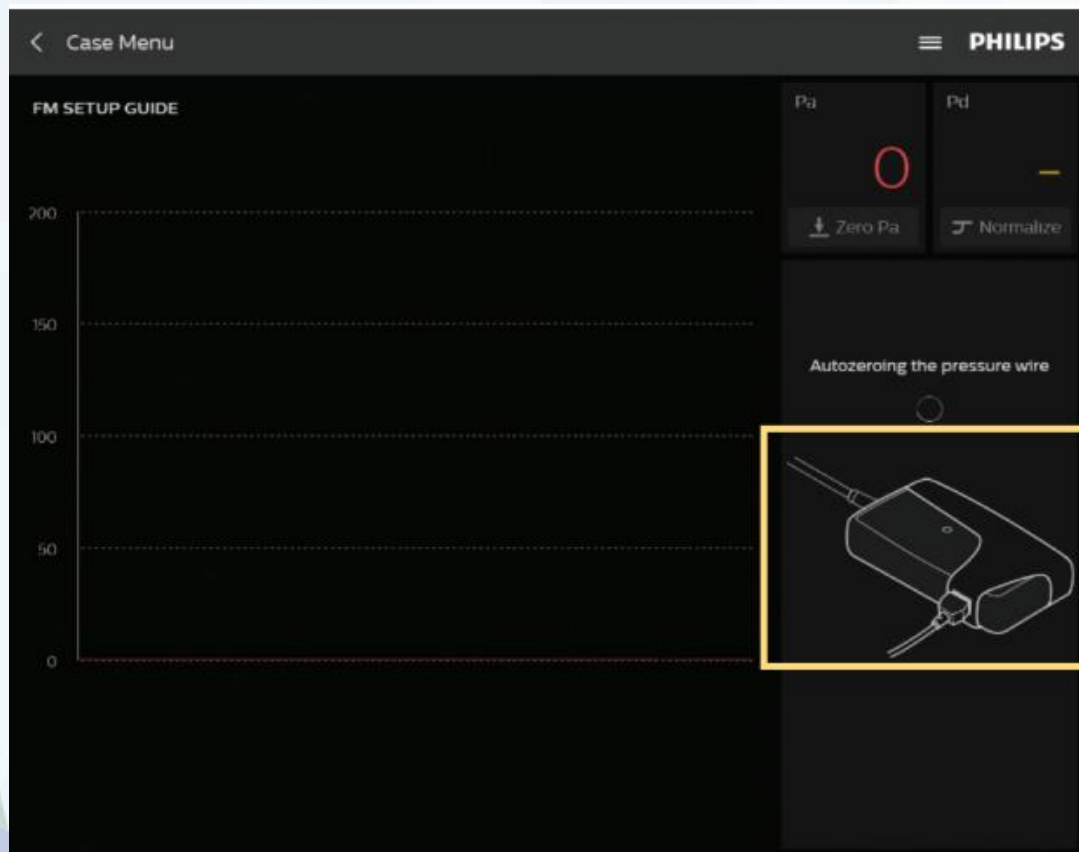


Guía de Presión Omniwire

- Buen perfil de navegación
- Escasa tendencia a descalibración (drift)





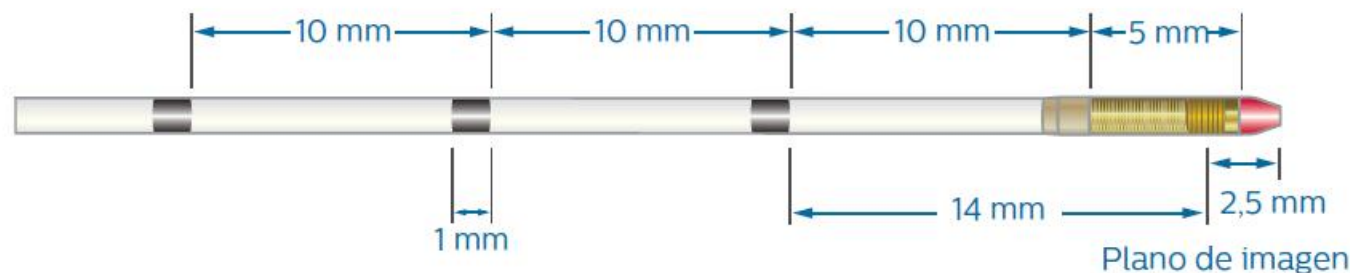
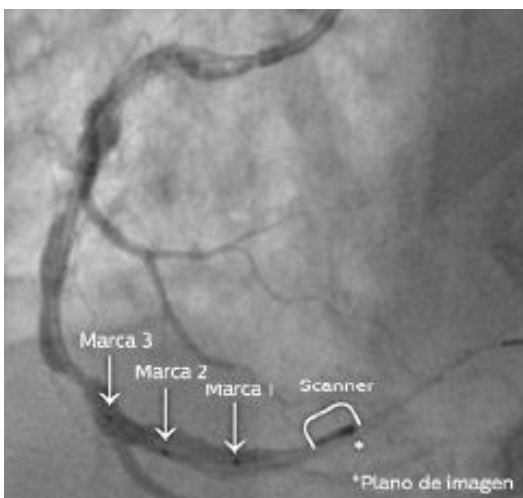


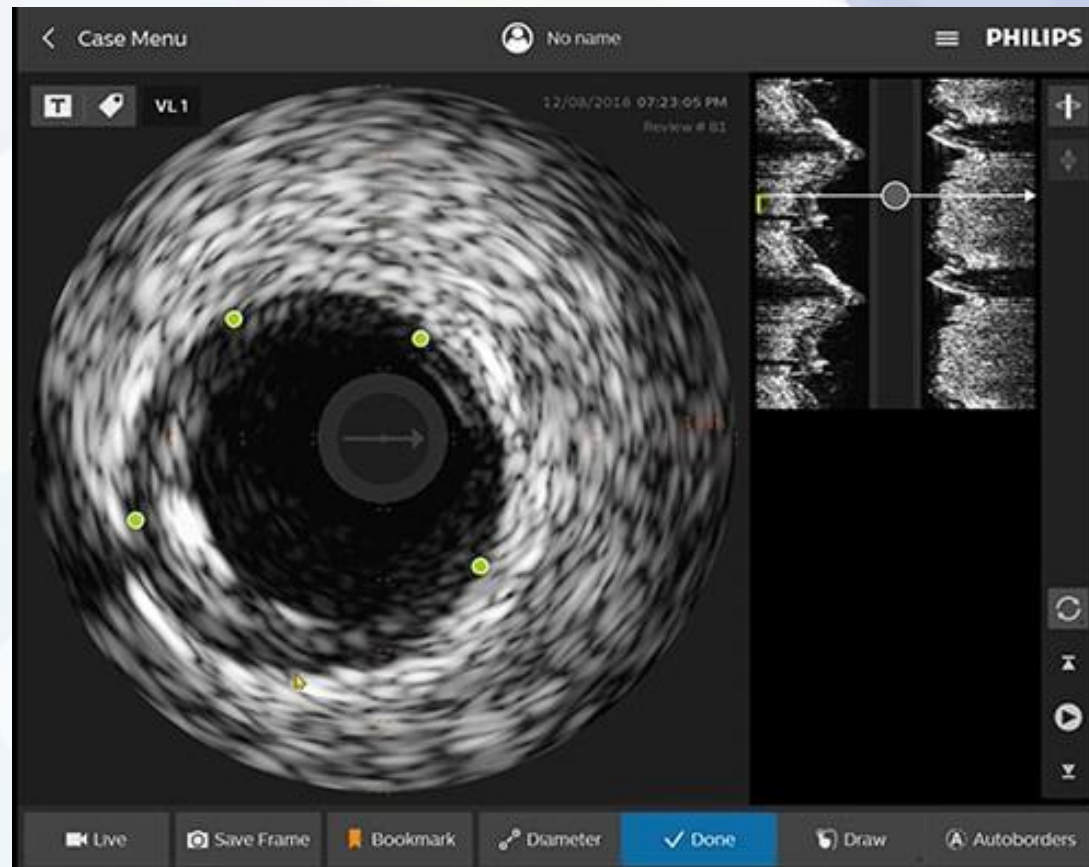
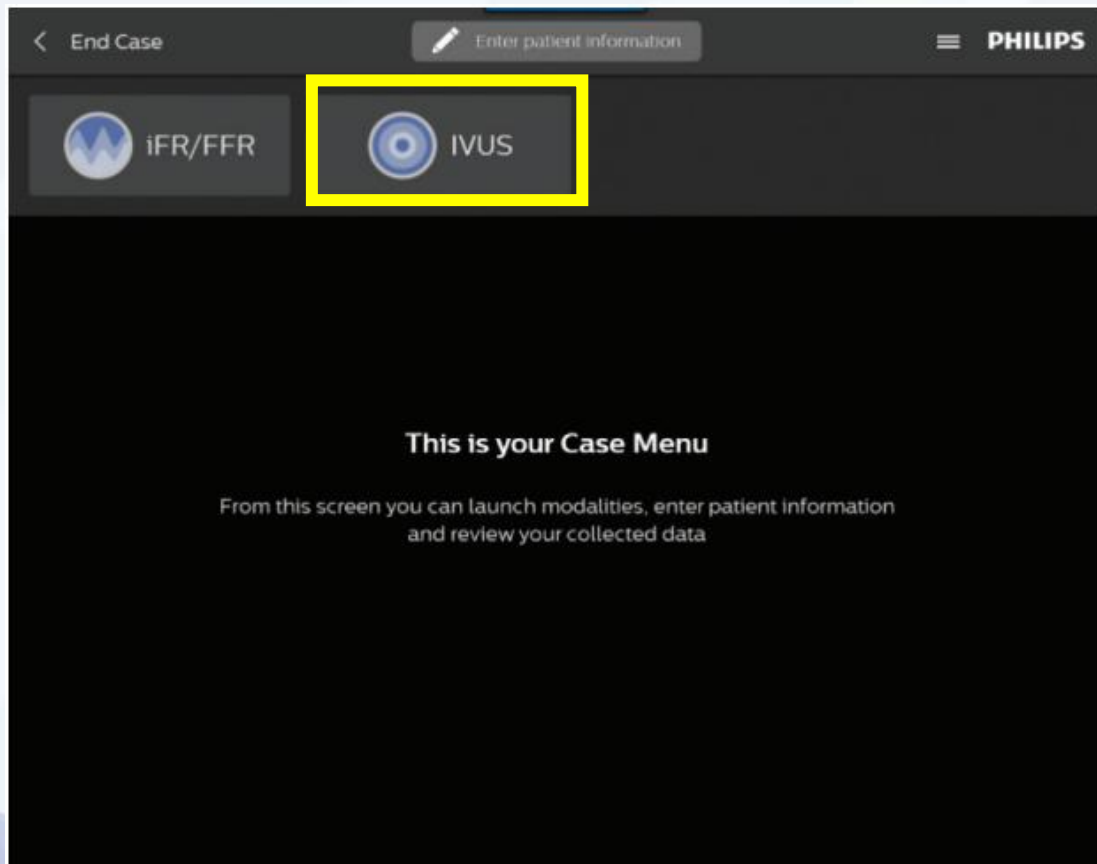


Catéter IVUS Eagle Eye



- US 20 MHz: menor definición, mayor profundidad
- Transductor en punta de catéter
- Catéter guía 5F





Sistema de procesamiento de imagen Syncvision

VOLCANO

VOLCANO

Pr_201603061011 01:37:53

Nuevo Procedir
Continuar Proc
Gestión de Proc
Configuración
Salir

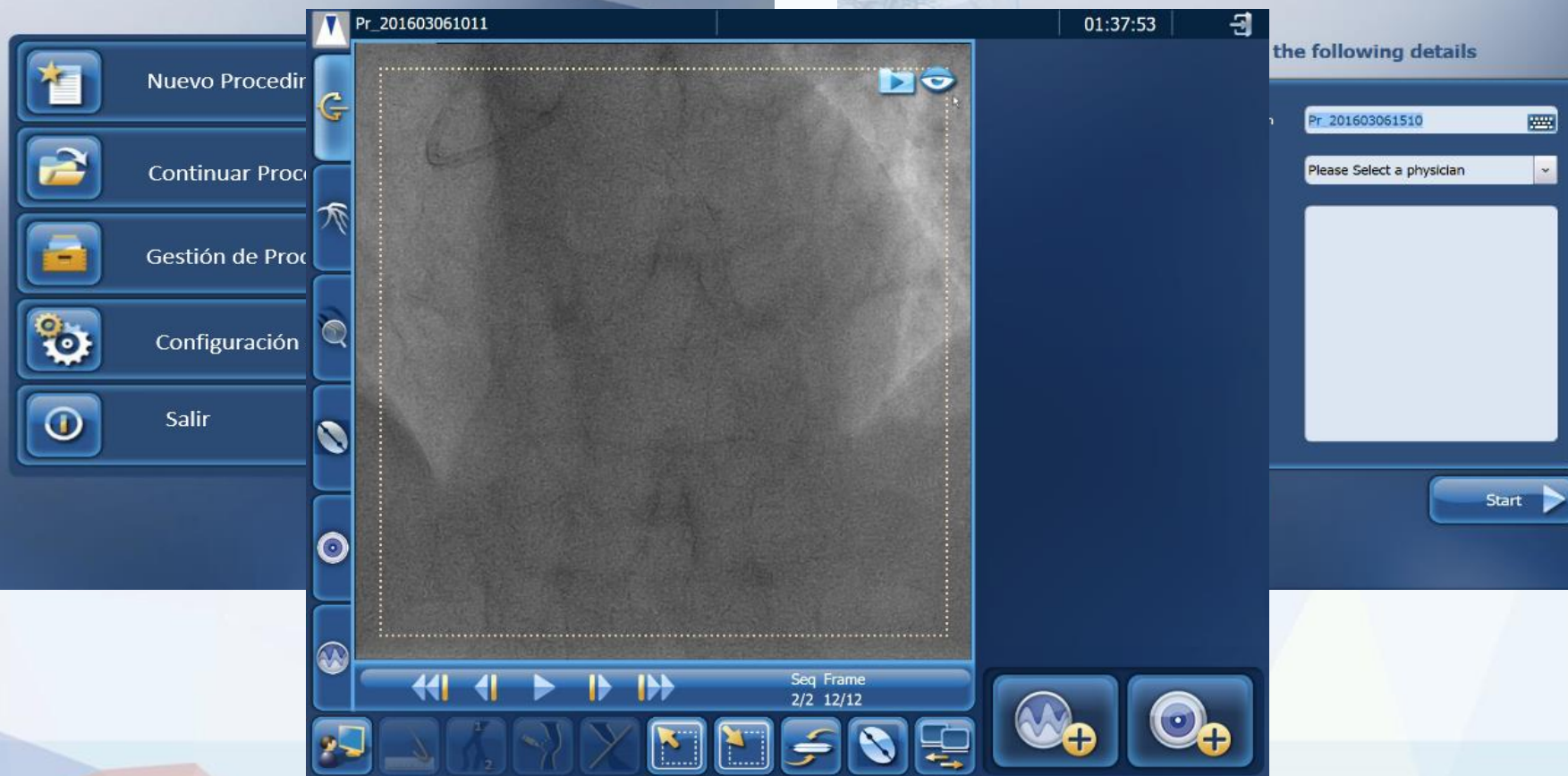
the following details

Pr_201603061510

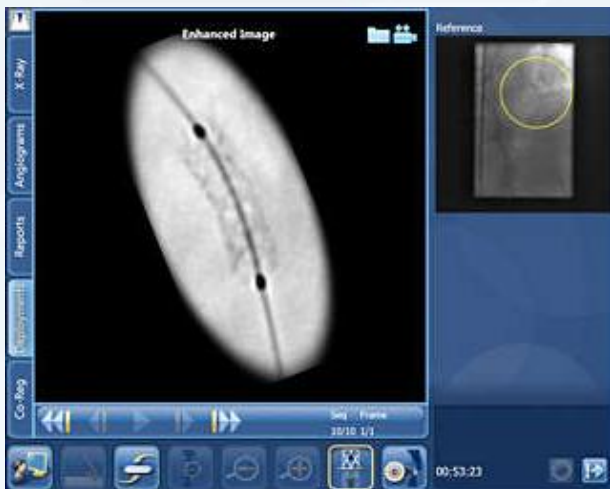
Please Select a physician

Start

Seq Frame
2/2 12/12



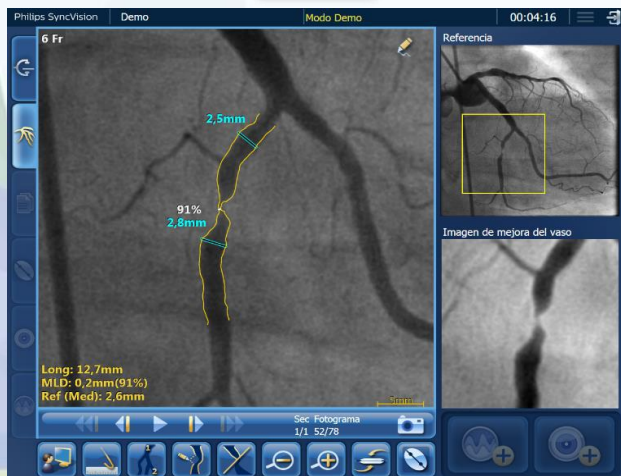
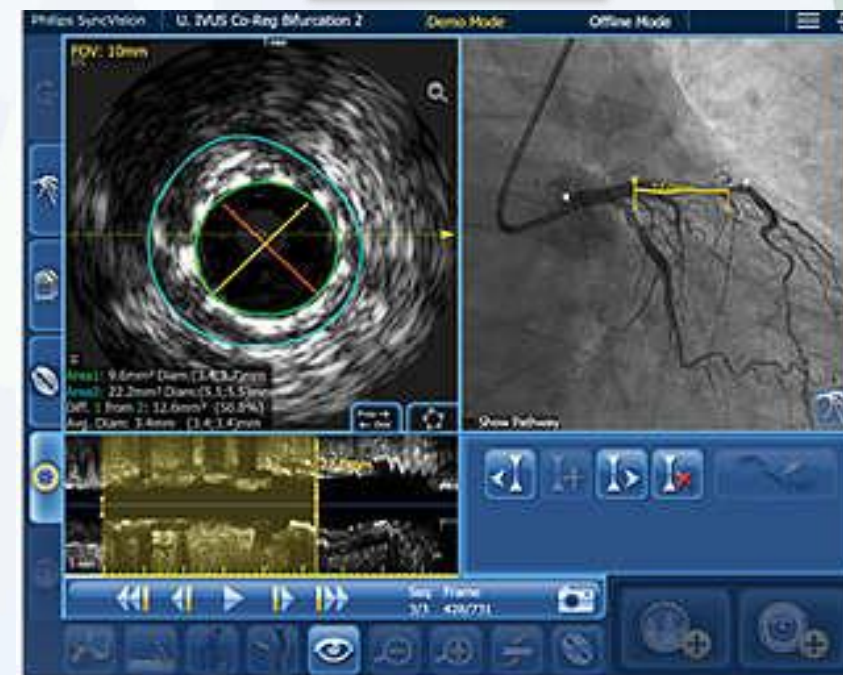
DEVICE DETECTION



CoR iFR

CoR IVUS

QCA



Pasos Tri-Registro usando angio previa o sin contraste

1. Hacer Co-Registro guía de presión:

1. Preparación guía+ conectar guía + normalización.
2. Cambiar el protocolo del rayo al del Syncevision y quitar colimación.
3. Cruzar lesión:
 - Pasar la guía de presión hasta la zona distal.
 - Realizar cine en vacío sobre la guía de presión.
4. Retirada de iFR bajo fluoroscopia continua:
 - Iniciar fluoroscopia.
 - Pulsar retirada de iFR .
 - Comenzar retirada al aparecer línea azul de gráfico.
 - Detener retirada iFR.
 - Detener fluoroscopia.
5. Pulsar sobre árbol coronario.
6. Verificar ruta.
7. Obtención Co-Registro fisiología.

IMPORTANTE:

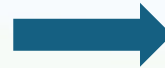
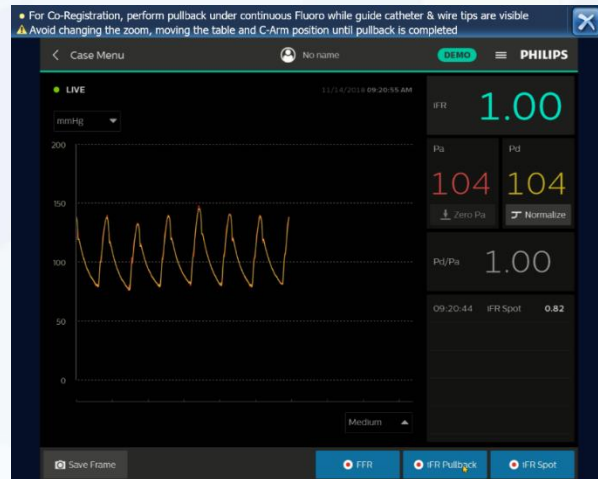
- No realizar cine tras punto 2.
- Hacer Co-Registro de IVUS en misma proyección que el ~~cine en vacío del punto 2~~

2. Hacer Co-Registro de IVUS:

7. Conectar IVUS + ring down + cruzar lesión.
8. Grabar bajo fluoroscopia continua.
9. Detener grabación.
10. Pulsar sobre árbol coronario y verificar ruta.
11. Obtención Tri-Registro.

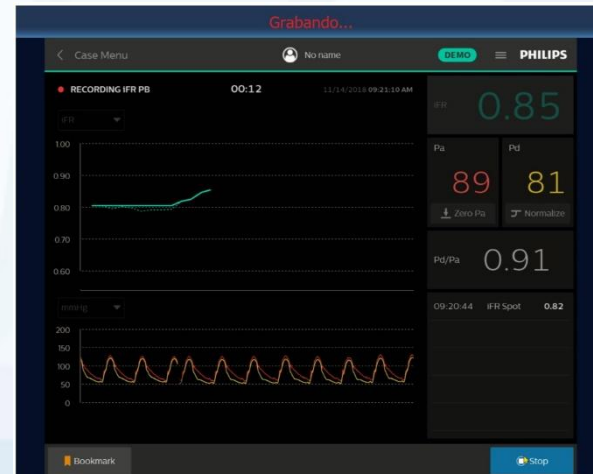
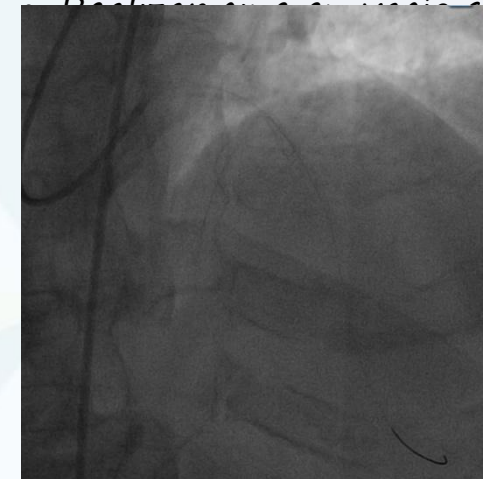
1. Hacer Co-Registro guía de presión:

1. Preparación guía+ conectar guía + normalización.



2. Cruzar lesión:

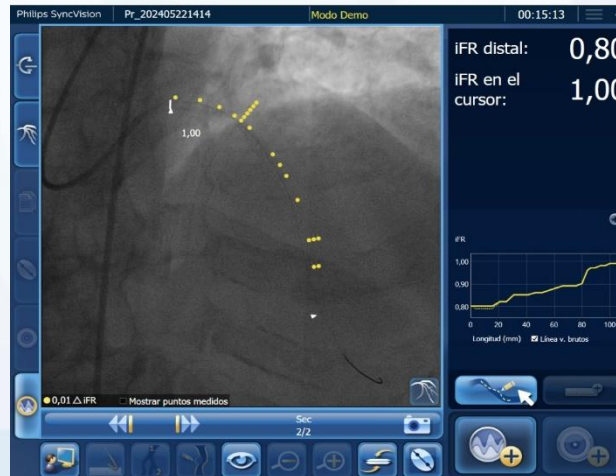
- Pasar la guía de presión hasta la zona distal.



3. Retirada de iFR bajo fluoroscopia continua.

1. Hacer Co-Registro guía de presión:
3. Pulsar sobre árbol coronario.

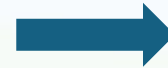
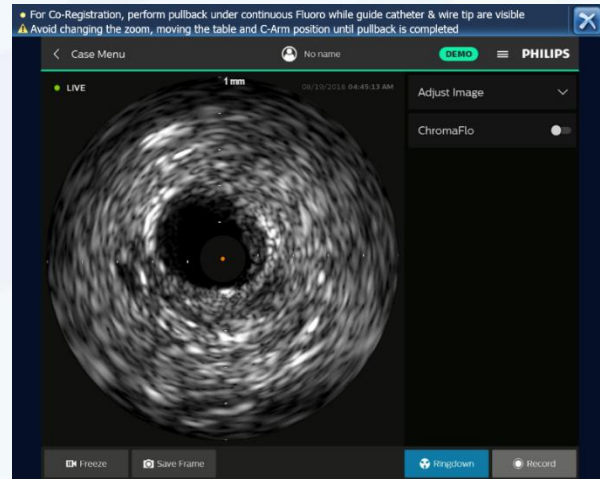
4. Verificar ruta.



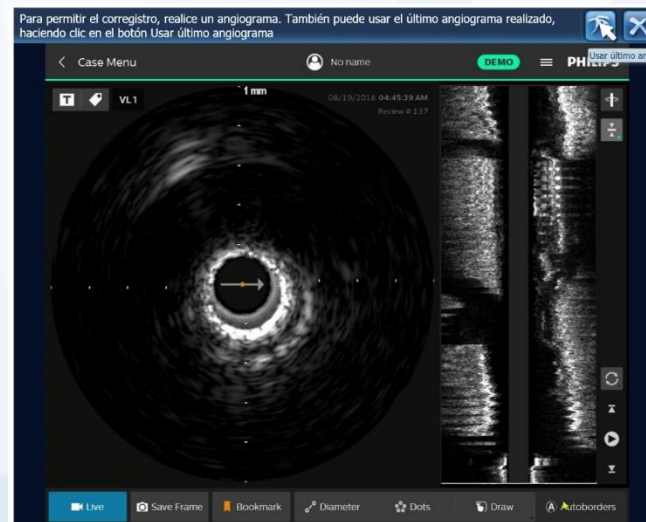
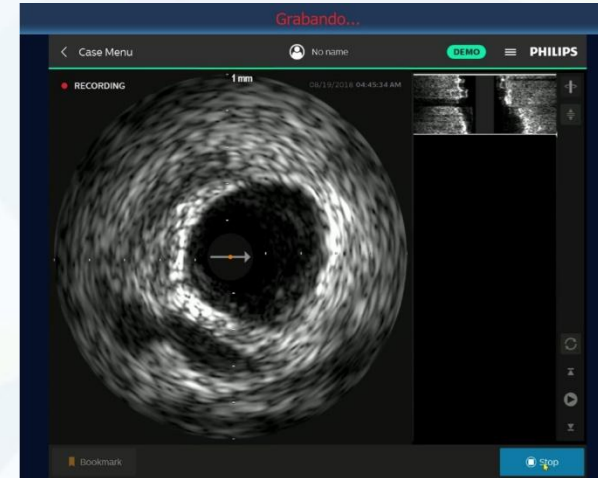
5. Obtención Co-Registro fisiología.

2. Hacer Co-Registro IVUS:

5. Conectar IVUS + ring down + cruzar lesión.



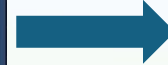
6. Grabar bajo fluoroscopia continua.



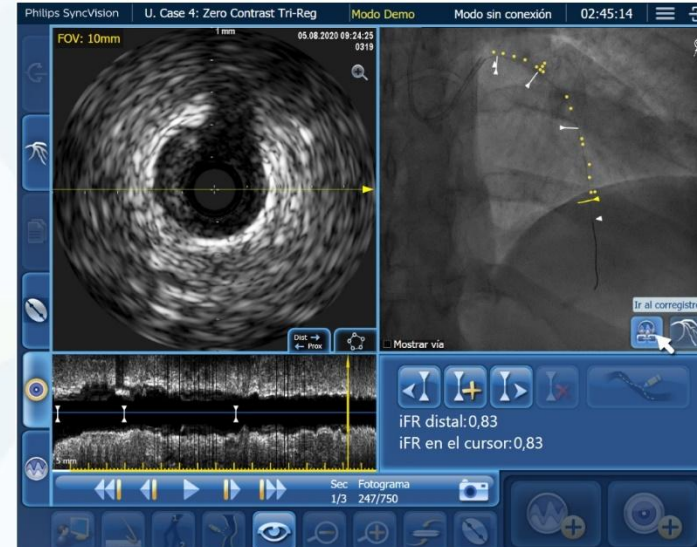
7. Pulsar sobre árbol coronario.

2. Hacer Co-Registro IVUS:

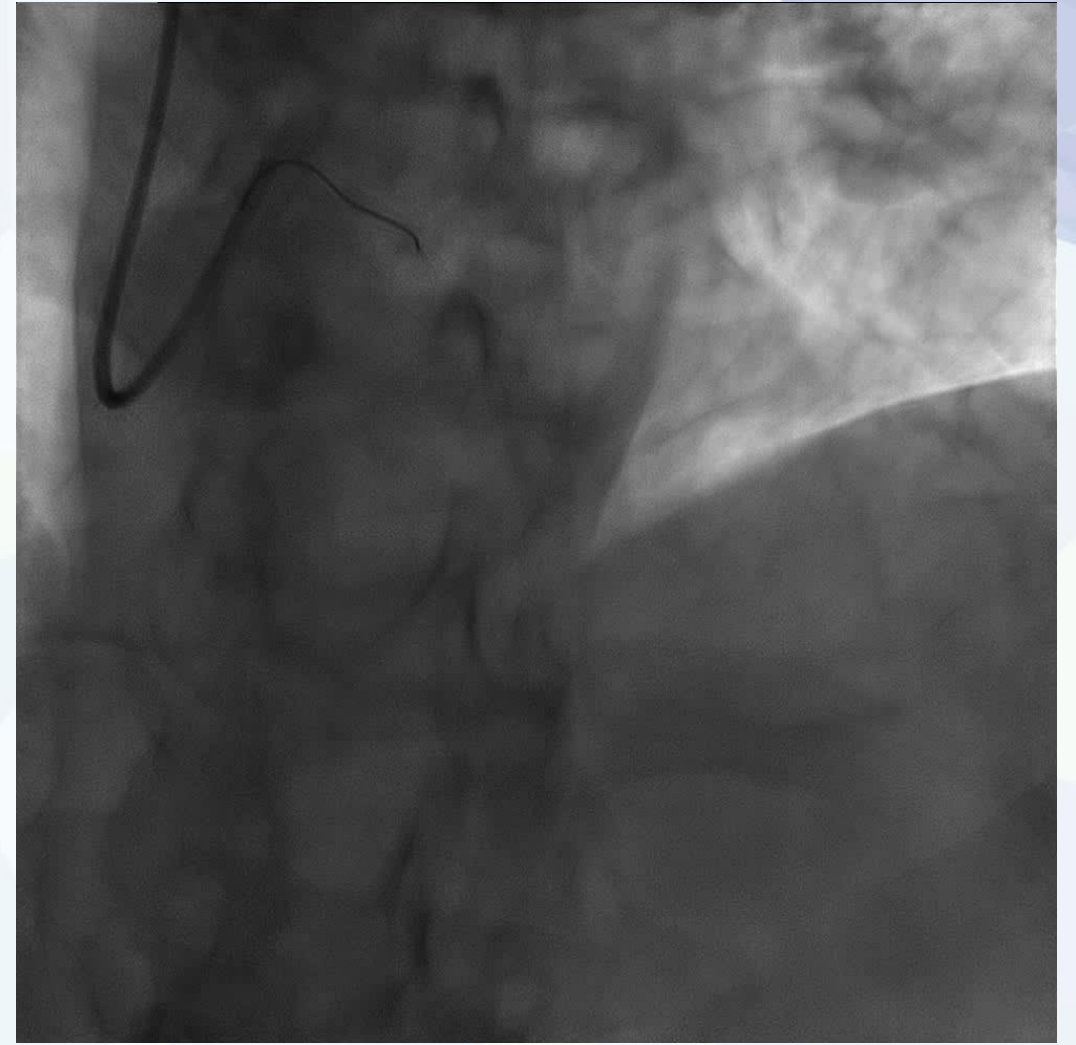
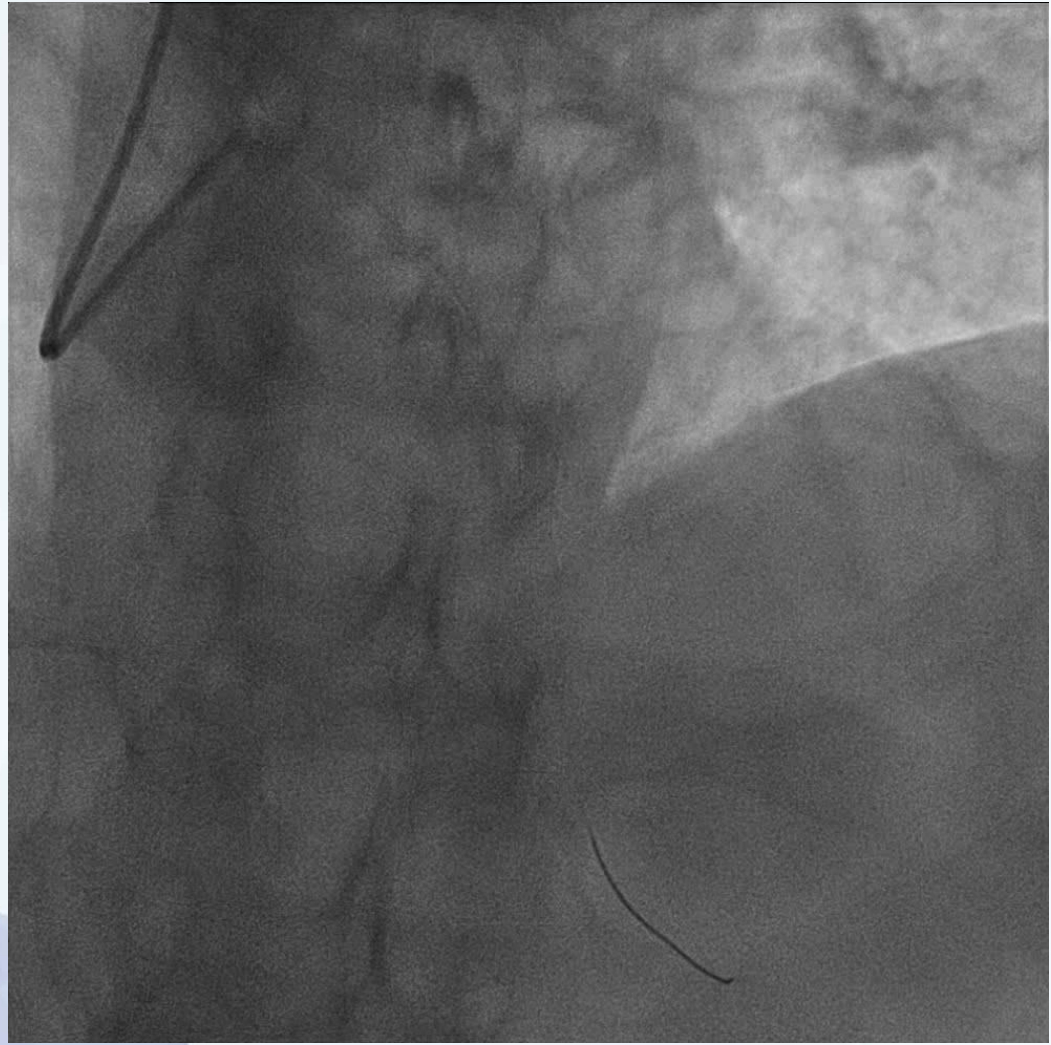
8. Verificar ruta.

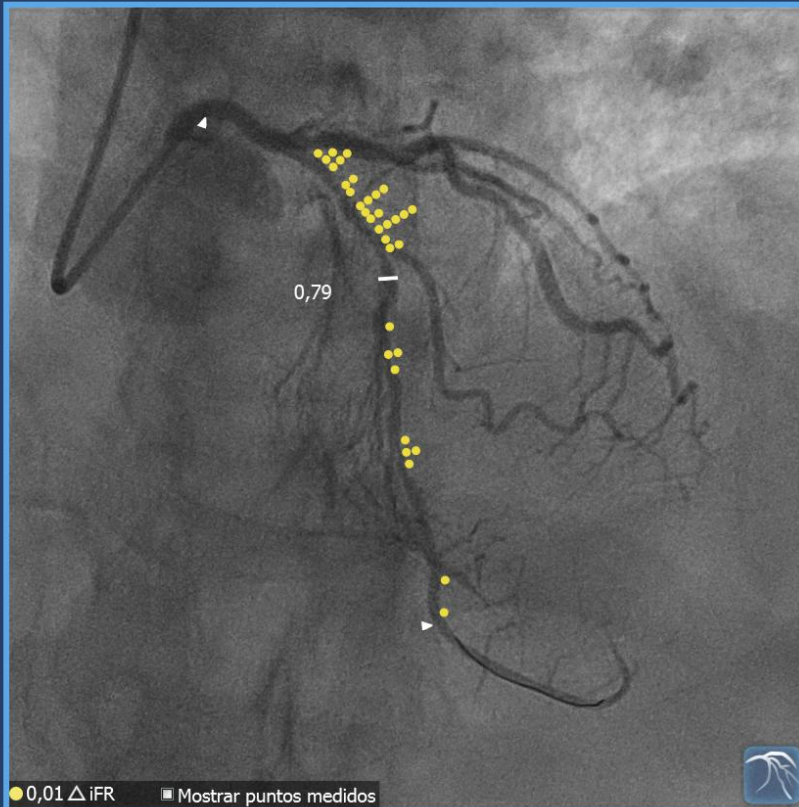


9. Obtención Tri-Registro.



Ejemplo de Corregistro iFR





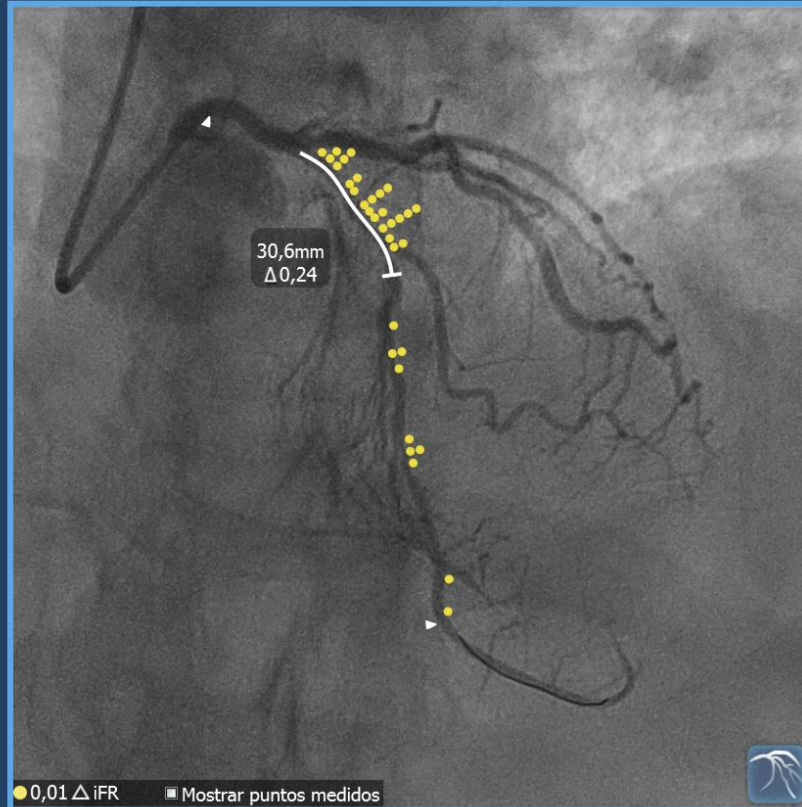
iFR distal: **0,68**
iFR en el cursor: **0,79**



● 0,01 Δ iFR ■ Mostrar puntos medidos

22/10/2024 00:06:06

Philips SyncVision



iFR distal: **0,68**
Estimación de iFR: **0,92**

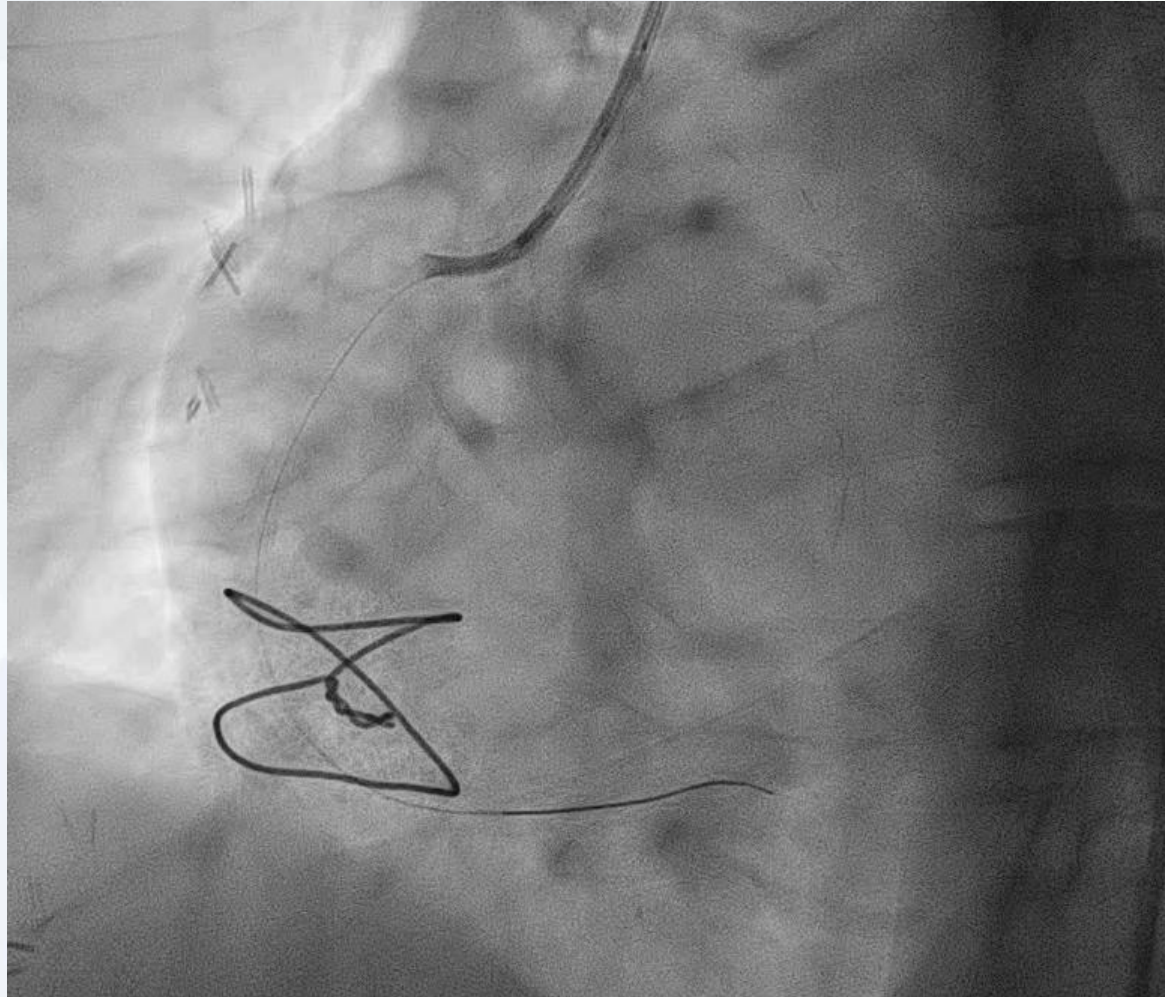


● 0,01 Δ iFR ■ Mostrar puntos medidos

22/10/2024 00:06:18

Philips SyncVision

Ejemplo de Corregistro IVUS



FOV: 10mm 134 14/10/2024 11:49:53 PM

4,0mm

1mm

Diám: 4,0mm

Prox →
← Dist

Mostrar vía

5 mm

21/10/2024 23:07:23

Philips SyncVision

Detailed description: This panel shows a Philips SyncVision OCT and angiography interface. The top-left window displays an OCT cross-section of a coronary artery with a diameter measurement of 4.0mm indicated by a dashed orange line. The top-right window shows a corresponding angiography image with a yellow arrow pointing to the same location. The bottom-left window shows a longitudinal OCT view with a 5mm scale bar. The interface includes navigation buttons for 'Prox' and 'Dist', a 'Mostrar vía' button, and a tree view icon.

FOV: 10mm 196 14/10/2024 11:49:56 PM

3,4mm

5 mm

Diám: 3,4mm

Prox →
← Dist

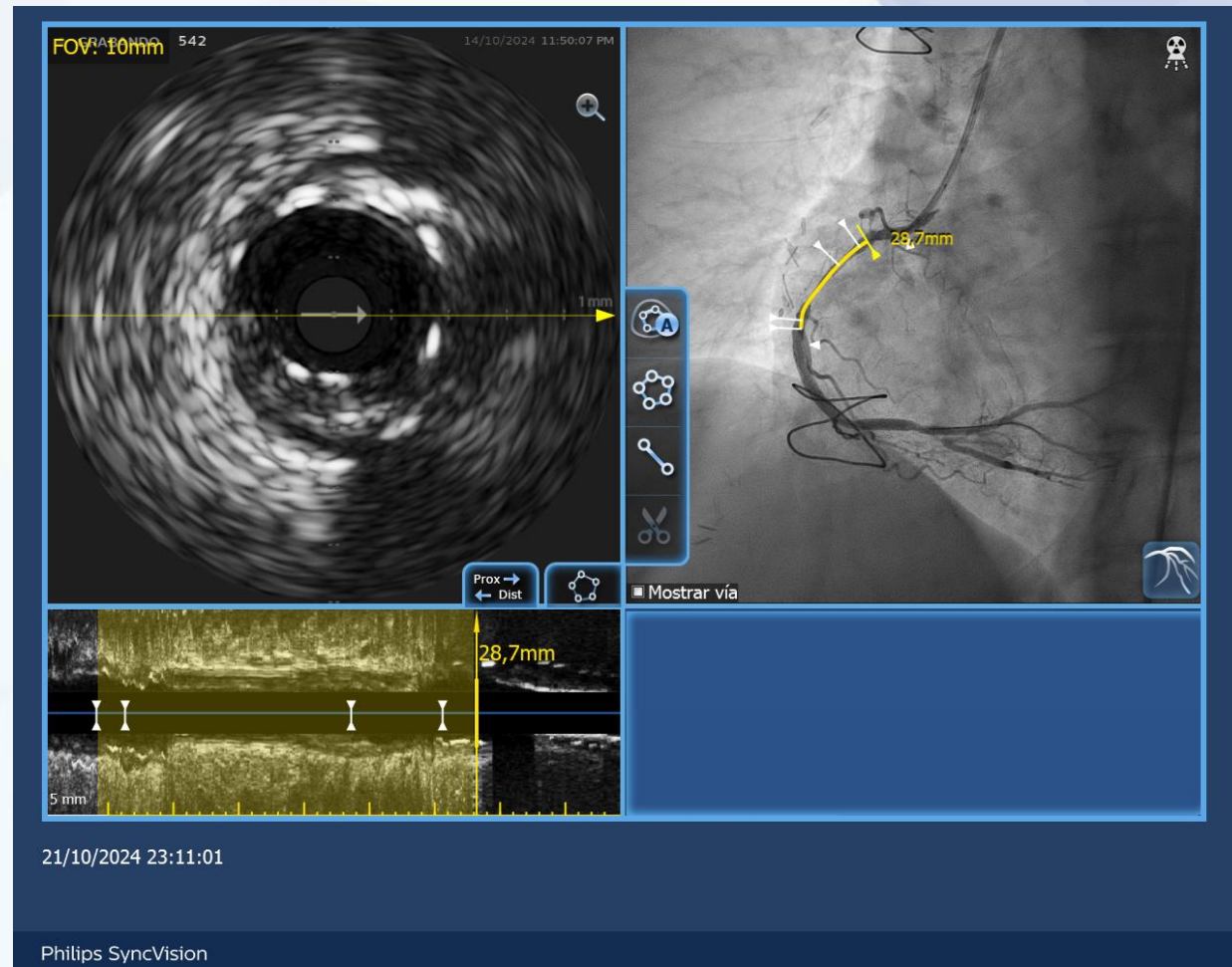
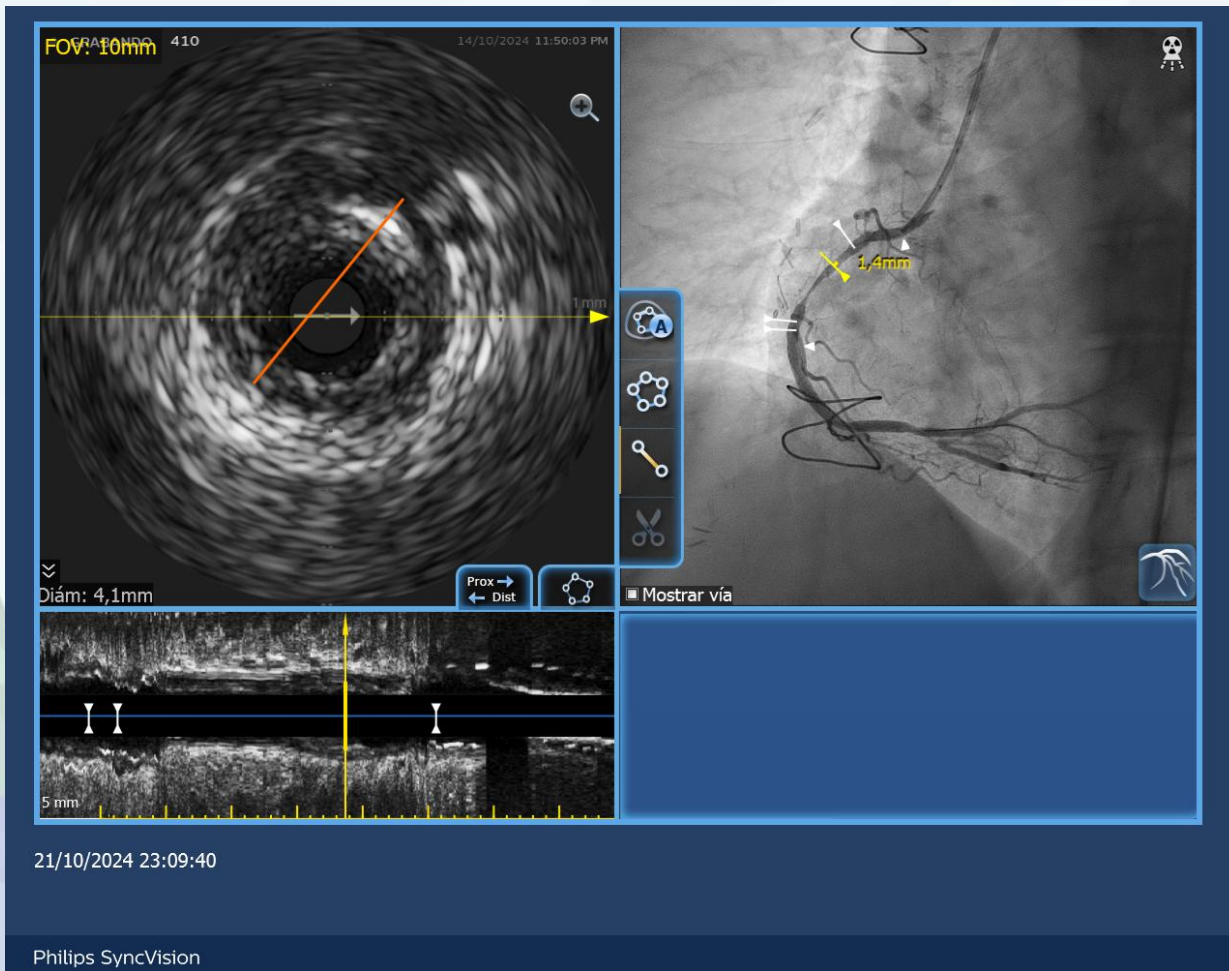
Mostrar vía

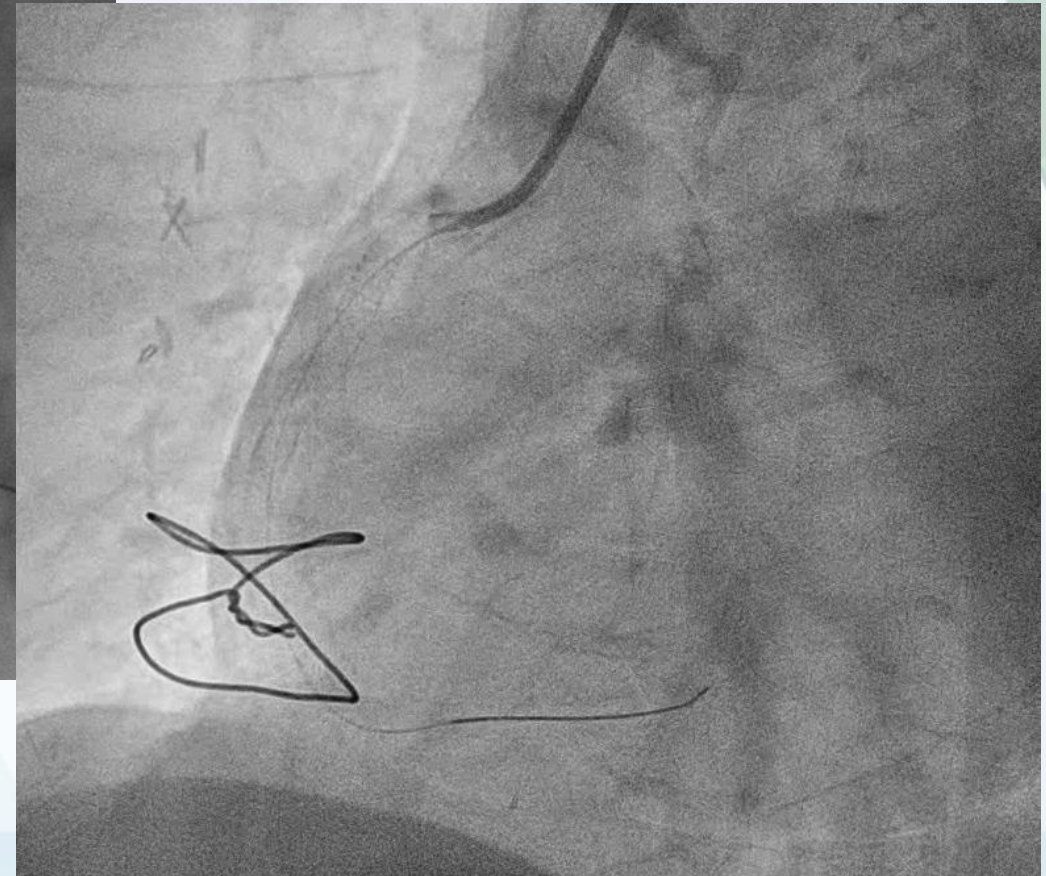
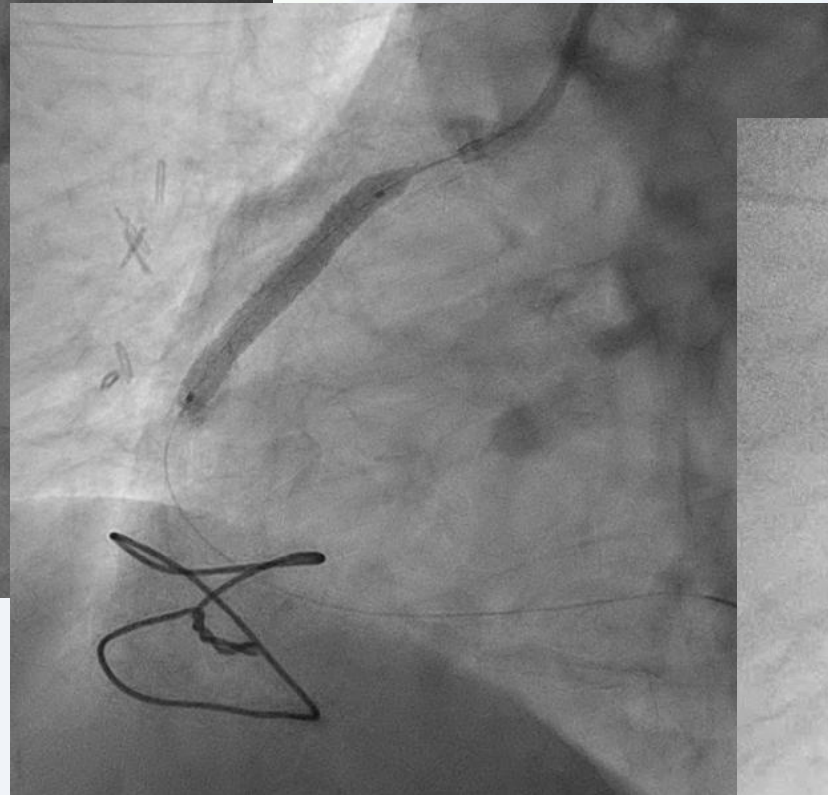
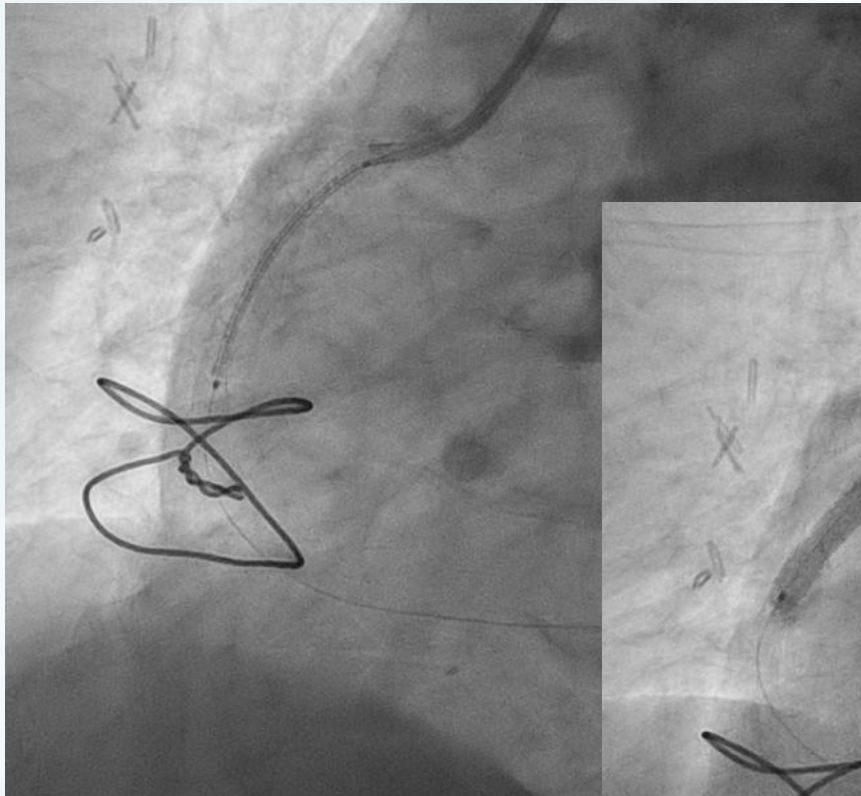
5 mm

21/10/2024 23:08:50

Philips SyncVision

Detailed description: This panel shows a Philips SyncVision OCT and angiography interface. The top-left window displays an OCT cross-section of a coronary artery with a diameter measurement of 3.4mm indicated by a dashed orange line. The top-right window shows a corresponding angiography image with a yellow arrow pointing to the same location. The bottom-left window shows a longitudinal OCT view with a 5mm scale bar. The interface includes navigation buttons for 'Prox' and 'Dist', a 'Mostrar vía' button, and a tree view icon.





Manos a la obra