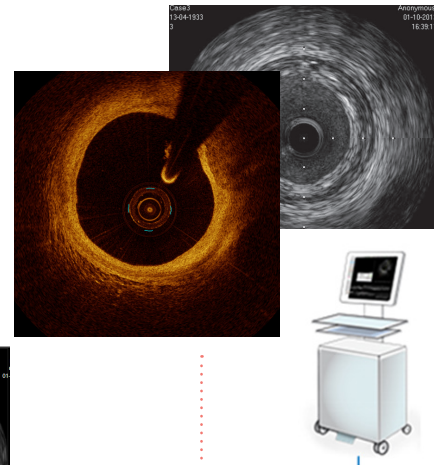# Caas IV-LINQ

Real time co-registration between angiography and IVUS/OCT

Why co-registration?

Co-registration integrates angiography and IVUS/OCT to provide the most detailed view of the lesion related to its exact location in the coronary tree. Co-registration facilitates optimal assessment of the landing zone of the stent.
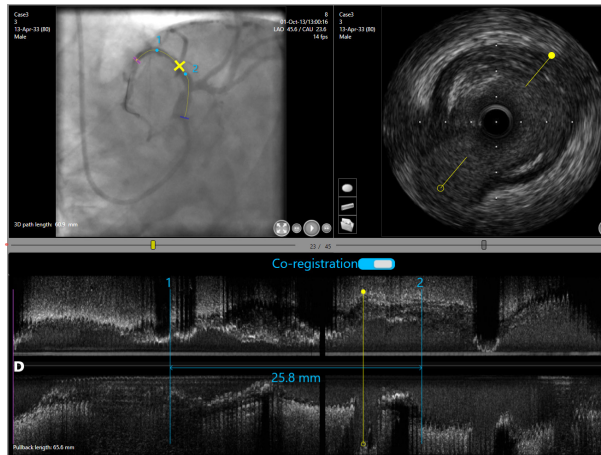
Vendor independent: runs with most X-ray, IVUS and OCT systems.

Only two angiograms needed:
- *one with contrast*
- *one without contrast*

Using real time streaming, co-registration is ready to be used as soon as the pullback is finished!

Key results

- Stent landing zone planned on IVUS/OCT pullback visualized on angiogram.
- Add bookmarks to indicate important vessel sections.
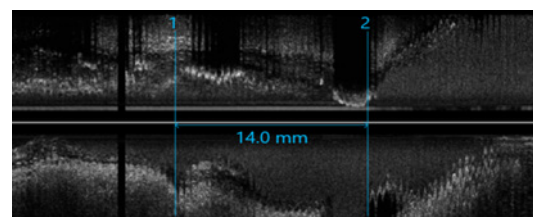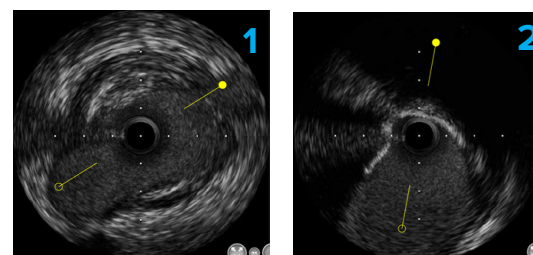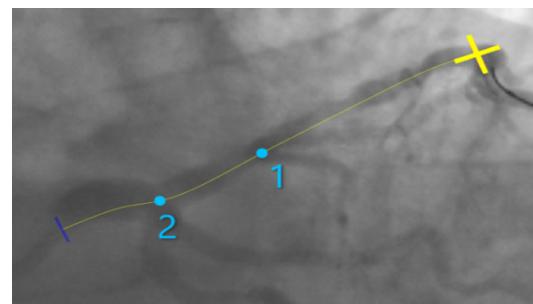- Diameter and area measurements in cross-sectional view of IVUS and OCT.

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Caas IV-LINQ

Added value of co-registration between angiography and IVUS/OCT

1. Providing exact anatomical registration between angiography and IVUS

2. Co-registration enables non-contrast PCI procedures

3. Precisely identifies locations especially in tortuous vessels

4. Allows visualization of anatomical location and composition of CTO registered to angiogram

5. Facilitates side by side placement of stents

Added value #4

Co-registration (where the IVUS catheter can cross the occlusion) allows anatomical information of occluded segment on the angiogram.

Added value #1

Angiogram shows two bifurcations at bookmark 1, IVUS shows this as a trifurcation.

> **Co-registration appears accurate, robust and induced minimal delay on normal cathlab activities.**
>
> Published in Cardiovascular Revascularization Medicine

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