The use of Fiber Optic RealShape (FORS) technology in various aortic interventions

Geert Willem Schurink

Charlotte Lemmens

Barend Mees

Maastricht University Medical Center

The Netherlands

Maastricht UMC+
Heart+Vascular Center

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Disclosure

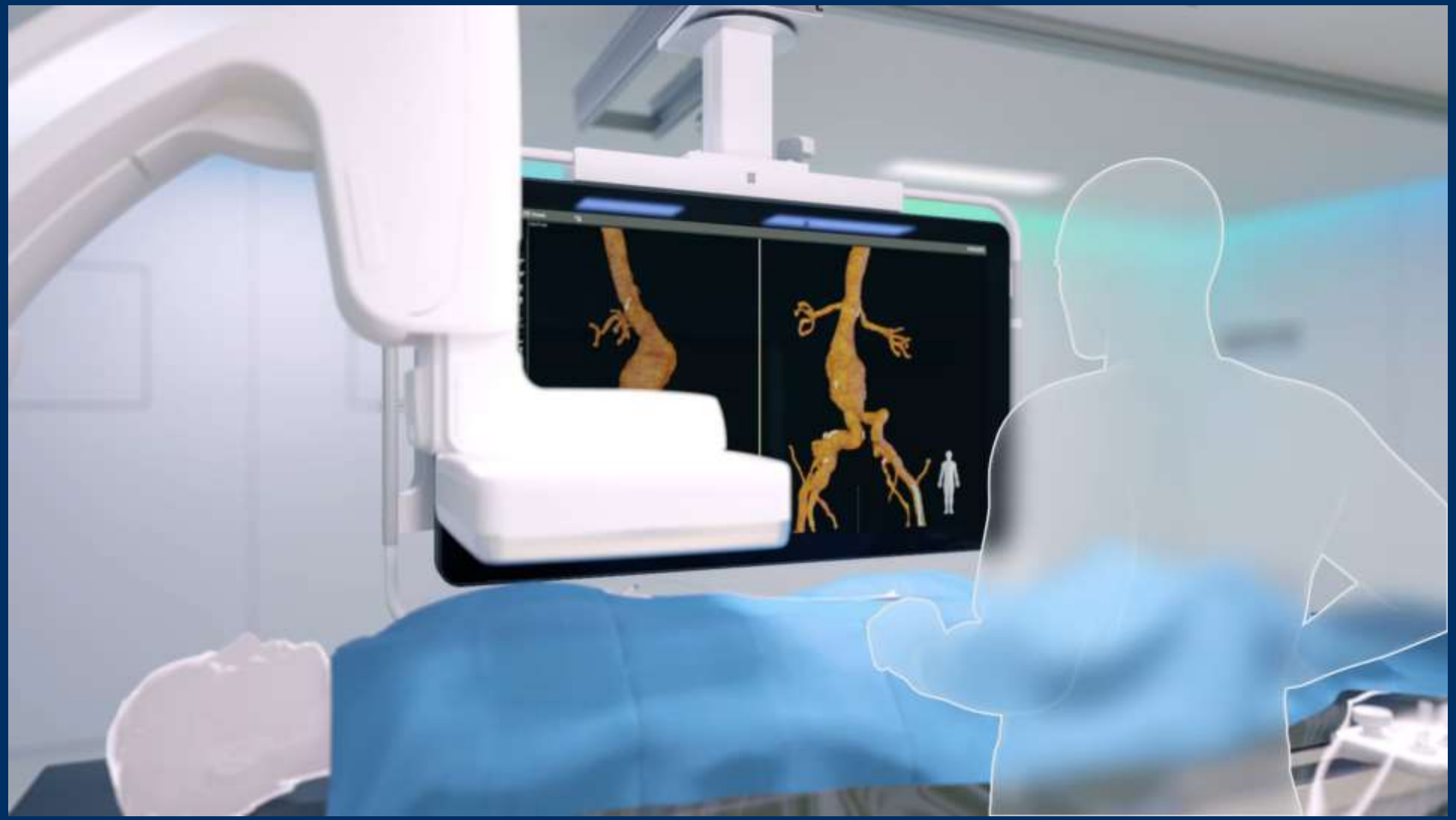
Speaker name:

Geert Willem Schurink

I have the following potential conflicts of interest to report:

- ☑ Consulting (Philips)
- ☐ Employment in industry
- ☐ Stockholder of a healthcare company
- ☐ Owner of a healthcare company
- ☐ Other(s)

- ☐ I do not have any potential conflict of interest



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FORS: breakthrough 3D device guidance technology that allows you to see more during navigation and positioning

From **X-ray**, today's gold-standard

2D, black and white images, and ionizing radiation

To **Fiber Optic RealShape (FORS)** technology from Philips

Real-time, full shape 3D device visualization in unrestricted viewing angles, in color, in context of the anatomy, and this without the use of fluoroscopy

Fiber Optic RealShape technology is CE marked and 510(k) cleared

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What has been our journey so far?

FIH study in
UMC-Utrecht
2018

Limited Edition
CE label
End 2019

Start of the FORS Limited Edition in EU, UKE as first install. UMC-U, MUMC+…
Start of FORS Learn
2020

Limited Edition
510(k) cleared
End 2020
Ready to start installs in the USA in 2021

~350 cases completed
May 2022

5 Installs in the USA

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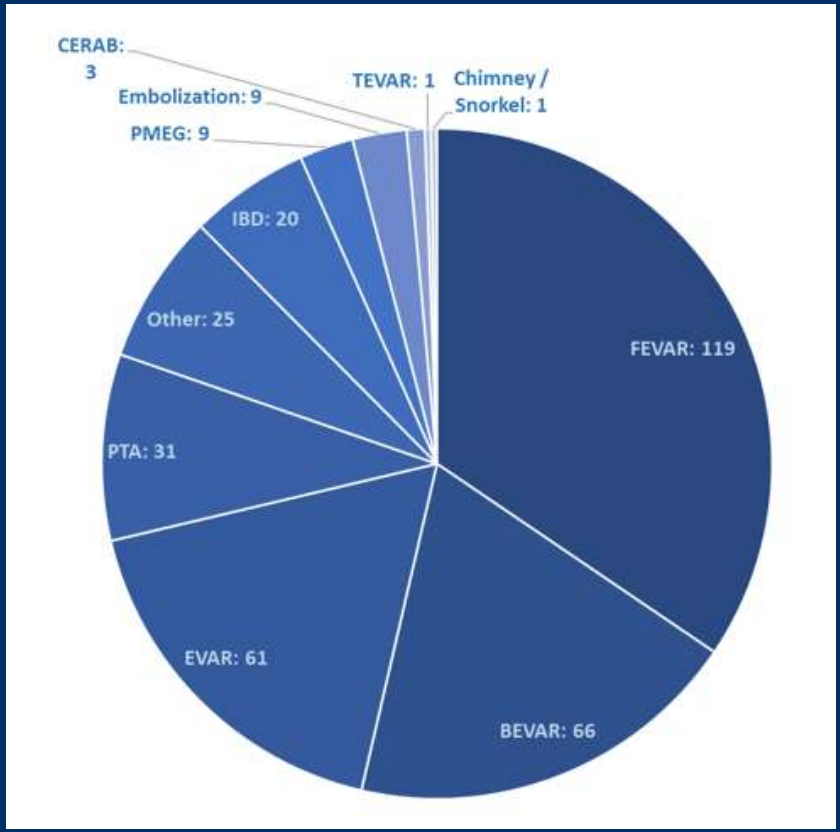
Procedure snapshot to date

FORS Clinical partners

Total of 345 FORS procedures to date



Data, as per May 13th, 2022, from FIH study and FORS Learn Registry current enrollment

FORS in use

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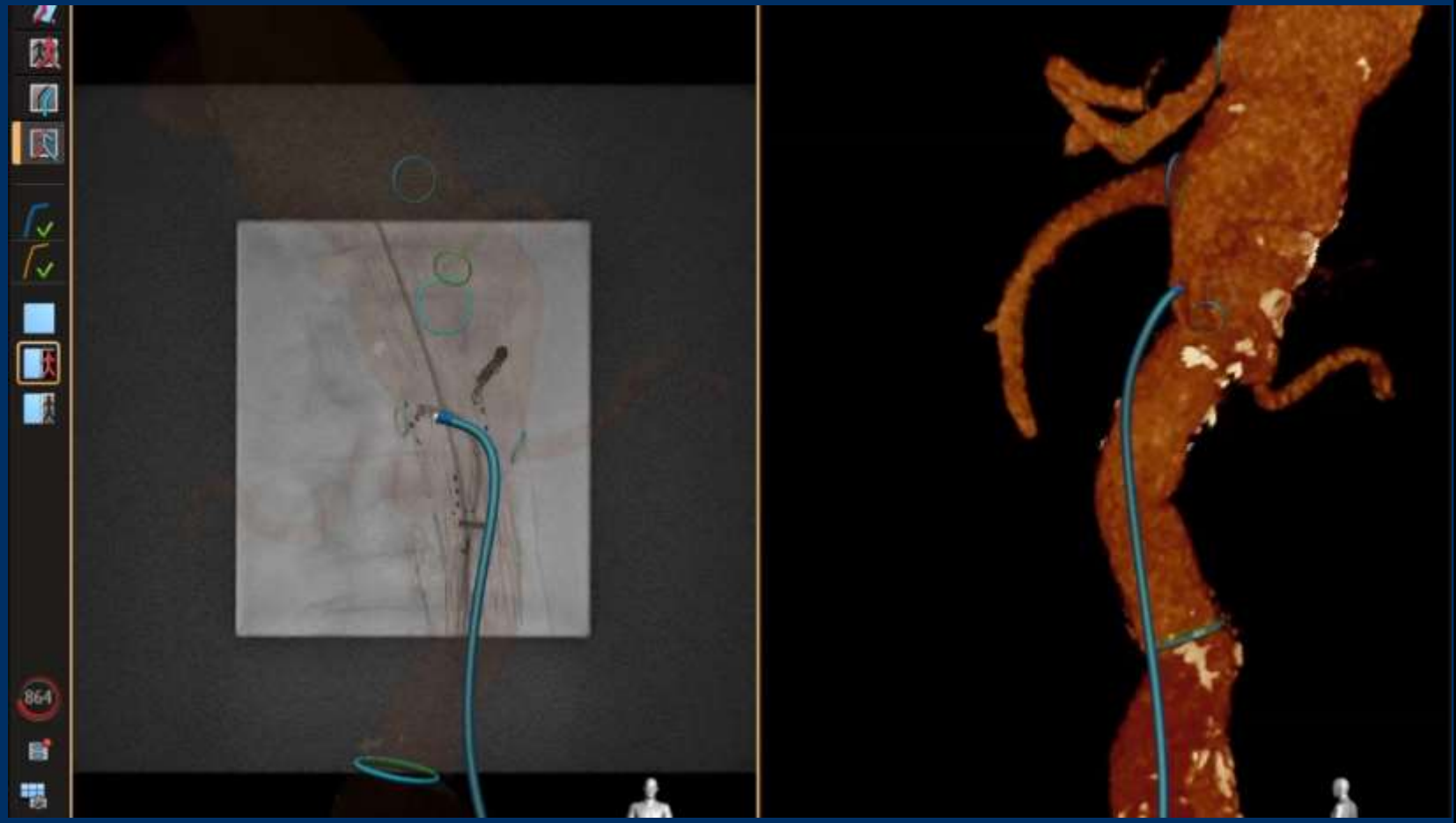
FENESTRATED EVAR

- Cannulating left renal artery
- Using FORS to shape steerable sheath
- Advantage of biplane imaging



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Results of cases studies are not predictive of results in other cases. Results in other cases may vary.

FENESTRATED EVAR

- Cannulating the SMA
- Avoiding lateral C-arm position
- Shaping steerable sheath using FORS Berenstein catheter

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Chimney EVAR

- Brachial access
- Navigation through aortic arch using FORS
- Dual imaging of two different areas

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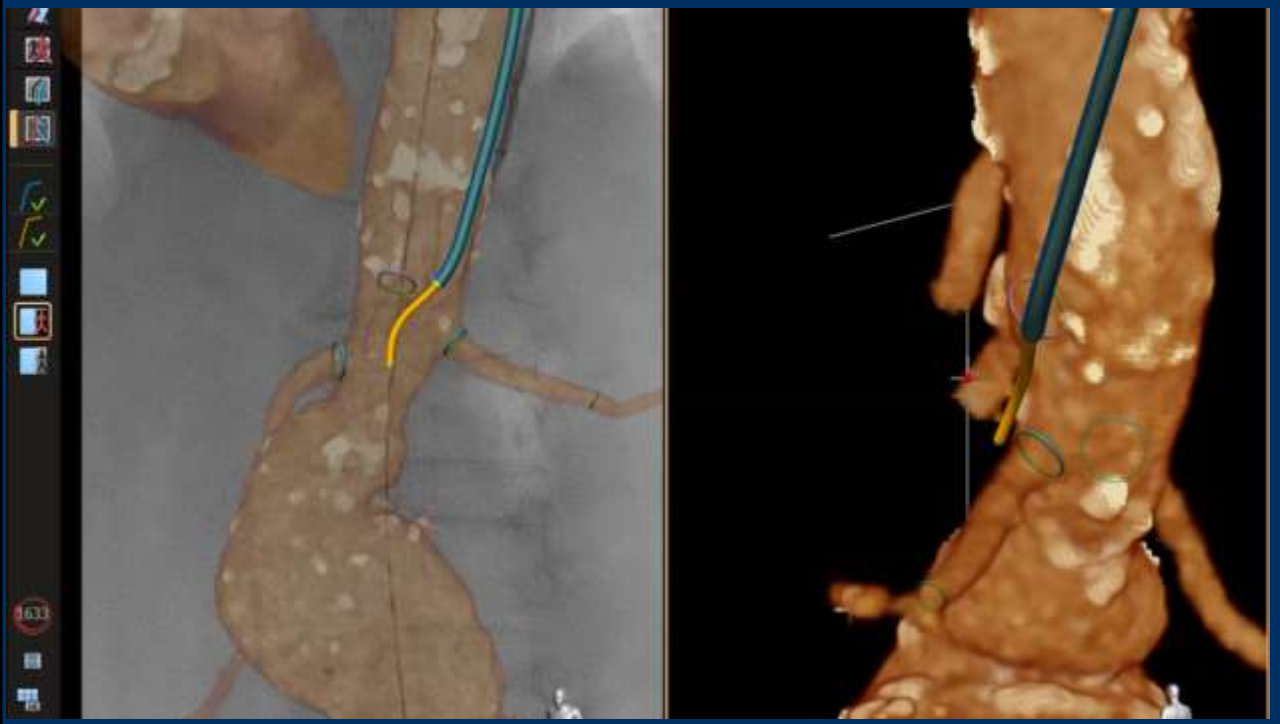
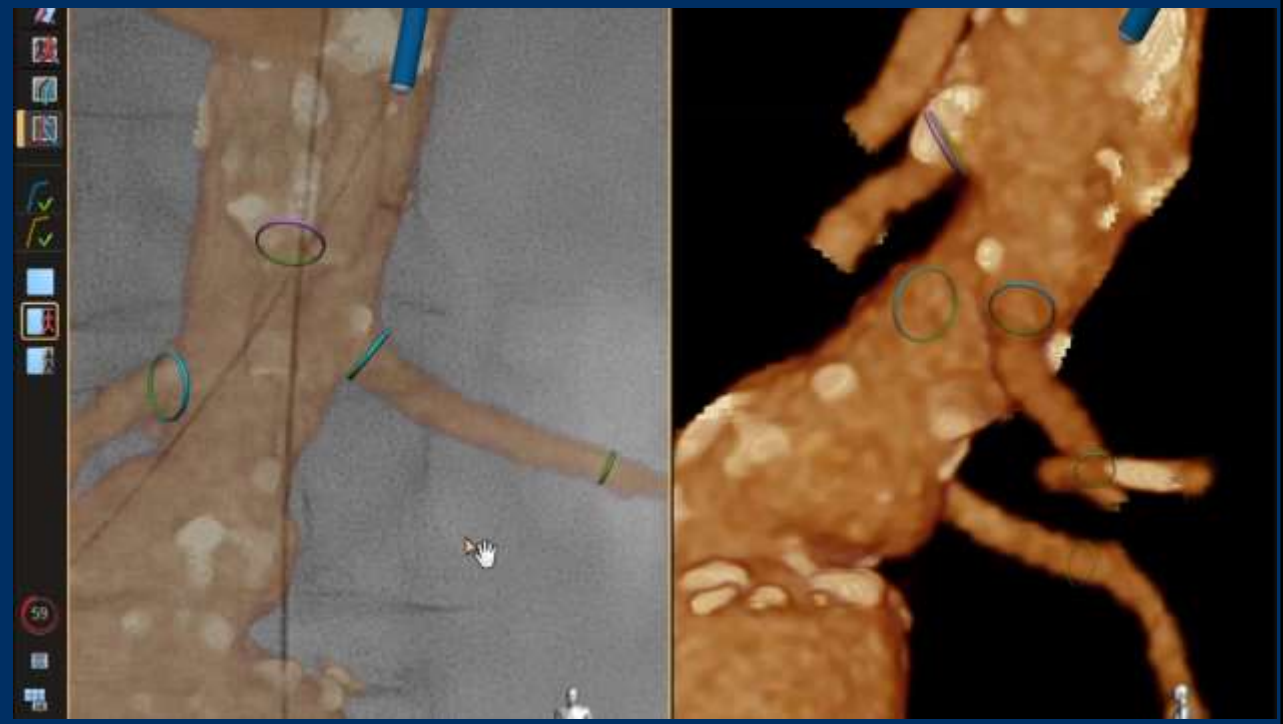
Chimney EVAR

- Cannulating left and right renal artery





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Gore C3 Excluder with IBE

- Cannulation of HA with FORS Berenstein and FORS Guidewire
- Improved navigation because of virtual biplane imaging

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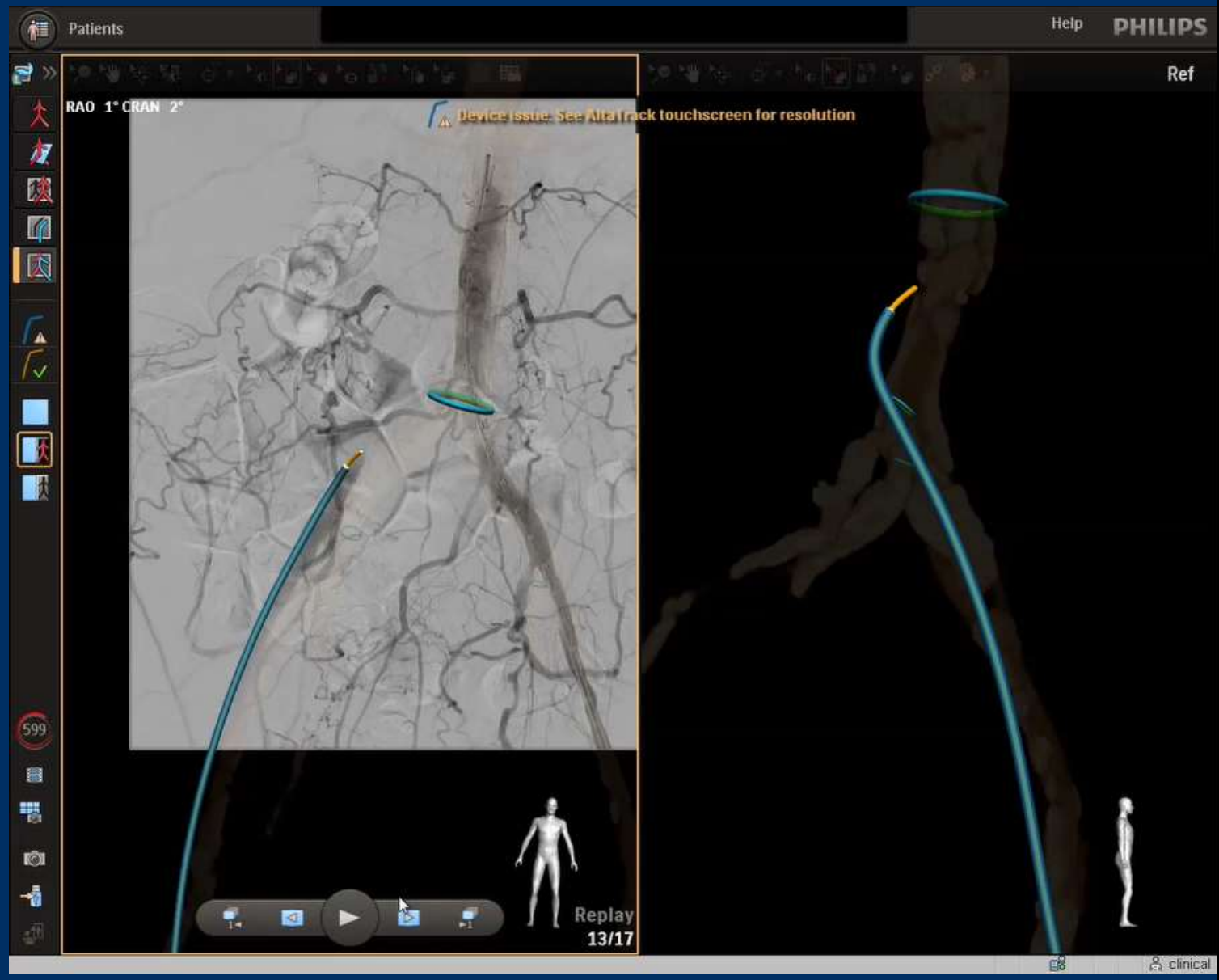
CERAB procedure

- Cannulation of occluded right CIA with FORS Guidewire
- Biplane visualization can aid to avoid potential perforation



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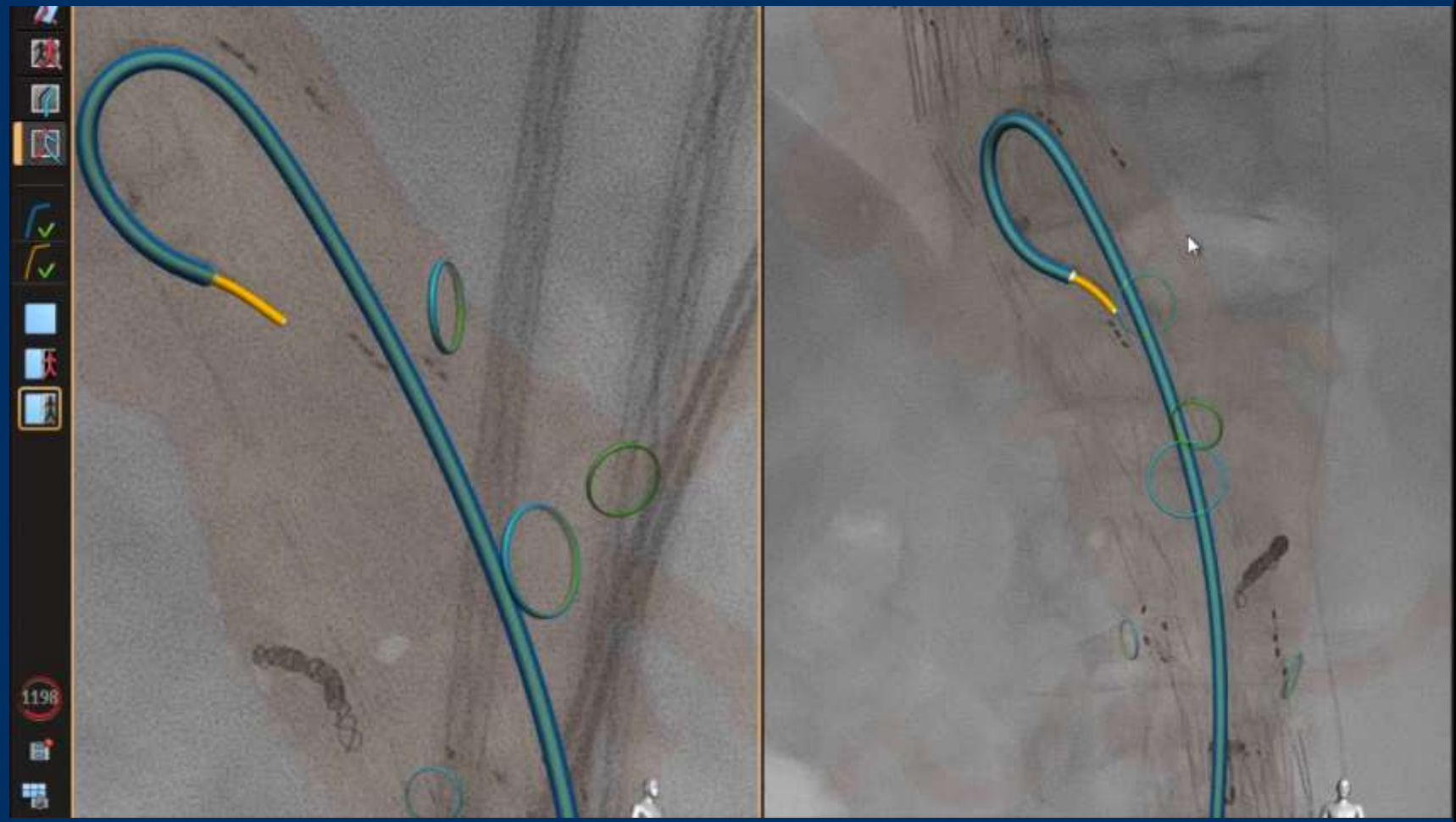
COOK 2F/2 B (Int/ext)

- Unsuccessful cannulation of SMA using FORS wire and FORS Berenstein catheter
- Lack of torque



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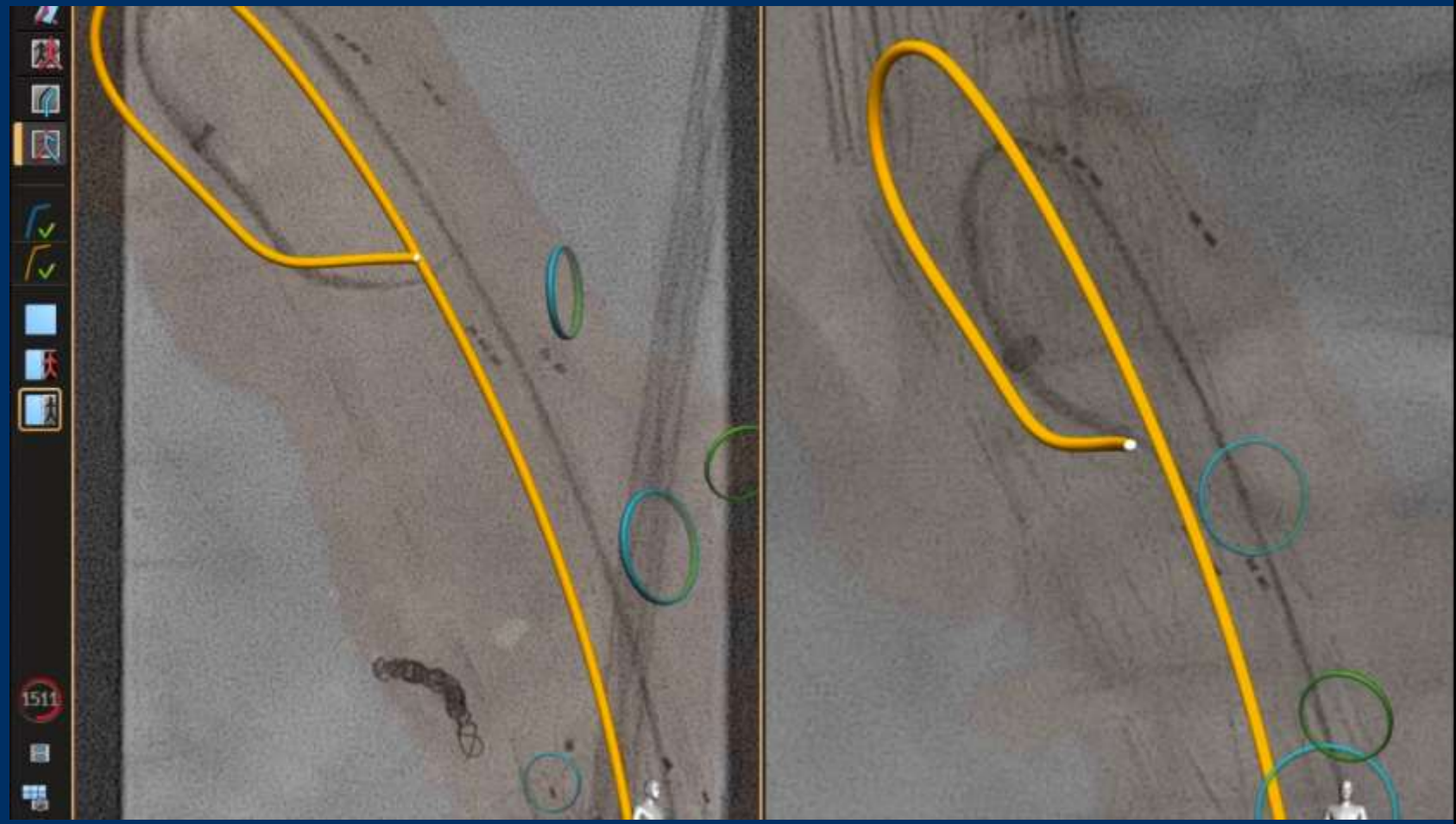
COOK 2F/2 B (Int/ext)

- Successful cannulation of SMA using FORS wire and conventional Berenstein catheter



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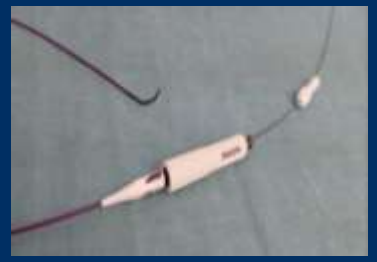
Catheter agnostic guidance with FORS Guidewire and 3D Hub technology

FORS Guidewire

+

Conventional Catheter
(Your catheter of choice)

+



FORS 3D Hub

Leapfrog innovation to visualize conventional catheters

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Summary

- > 350 procedures to date in the FORS LEARN Registry
- FORS mostly used in complex aortic cases (FEVAR, BEVAR)
- 3D Hub technology will probably increase the number of tasks covered by FORS
- Future releases in development will enhance the benefits of FORS within the procedure

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Thank you

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