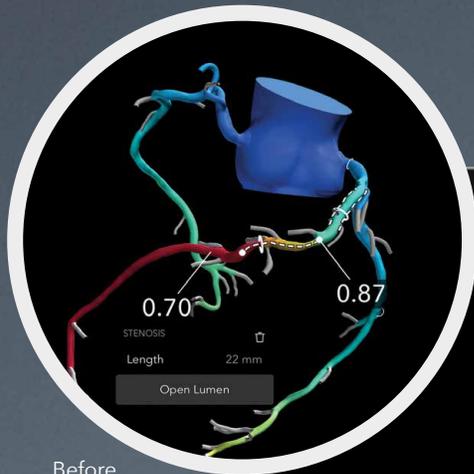


# HeartFlow® Planner

Non-invasive real-time  
virtual modeling for planning  
coronary intervention

# Preview the possibilities.

HeartFlow Planner is the planning tool that interventional cardiologists have been missing. By virtually modeling clinical scenarios vessel-by-vessel, explore treatment strategies for patients with CAD before each procedure, review cases with colleagues, and ensure everyone has a clear picture of the initial treatment plan.



Before



Modeled scenario



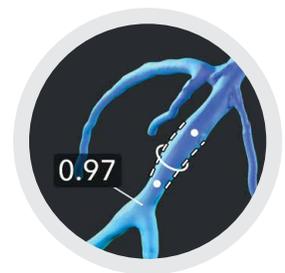
## Stenosis markers

The modeled stenosis marker, indicated by a white ring, identifies an area of >30% narrowing in the anatomic model. FFR<sub>CT</sub> pins provide specific calculated values and can be viewed at any point along the vessel.



## Range tool

When selected, a stenosis marker will show a dotted line that indicates the area of the modeled vessel affected by the narrowing. The range tool's end dots can be used to adjust the desired length of the region to modify.



## Modified vessel

Once the range tool is adjusted, you can open the lumen to display the impact of your selected strategy on the modeled vessel. Then revert the changes to explore other scenarios.

HeartFlow Planner is the only interactive tool that lets you model coronary artery disease treatment strategies in real time before you ever enter the cath lab.



## How it works in your practice:



1

### Identify disease

Identify disease with the HeartFlow Analysis—a color-coded 3-D model of a patient's coronary arteries indicating impact of blockages on blood flow.



2

### Explore treatment strategies

Explore possible treatment scenarios with HeartFlow Planner by virtually modifying each vessel and previewing the impact of the modeled change in real time.



3

### Review your plan

Common scenarios for using HeartFlow Planner include focal stenosis, serial stenoses, and borderline cases. When you need to plan a coronary intervention, HeartFlow Planner can help.

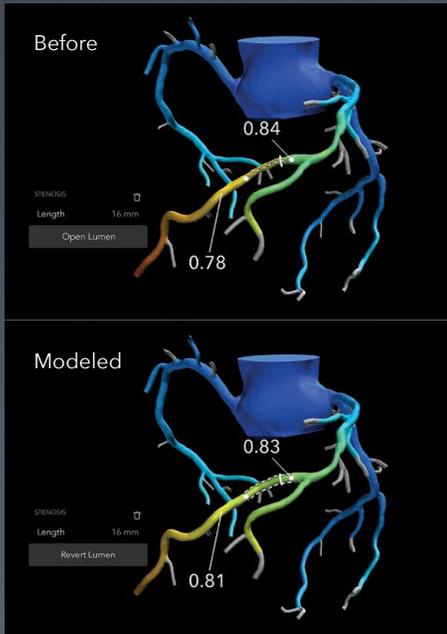


4

### Confirm treatment plan

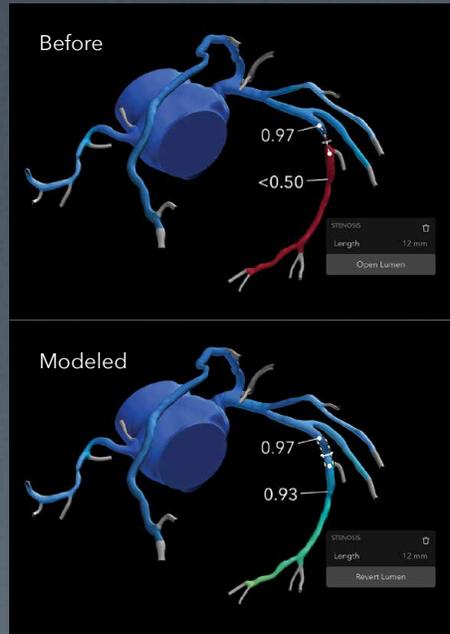
Whether in the hospital or at home, review cases numerous times, consult colleagues, and share the plan with the entire care team—where and when it's convenient for you.

# Case examples



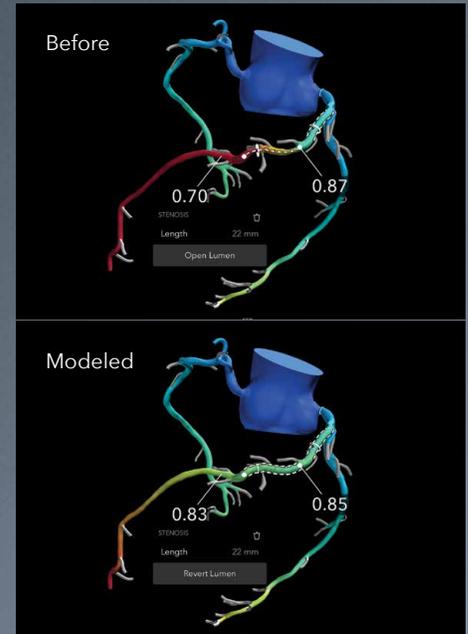
## Borderline stenosis

In a case where a modeled stenosis is indicated but the benefits of an invasive treatment are in question, you can use HeartFlow Planner to see if modifying the lumen will have any impact on the modeled FFR<sub>CT</sub> values.



## Focal stenosis

For a case you have determined would benefit from an invasive procedure, explore numerous treatment scenarios with HeartFlow Planner to help inform your treatment strategy.



## Multiple stenoses

In cases where multiple lesions are indicated, HeartFlow Planner allows you to open one or more modeled stenoses simultaneously to explore many different treatment strategies.

“The best tool I’ve seen for planning PCI before invasive angiography.”

– Dr. Robert Safian  
Interventional Cardiologist



## Technical Specifications

### Platform requirements

Compatible with Apple devices running iOS 11 and greater. HeartFlow Planner is available in the App Store in the United States only.

### CT requirements

CT DICOM format images of diagnostic and processing quality are required for use with the HeartFlow Analysis. HeartFlow will assist in evaluating your institution's quality capabilities during the customer on-boarding process.

### HeartFlow Connect

CT data transmission is accomplished using HeartFlow Connect. HeartFlow Connect is a software that will be installed by your IT department in advance of case submission for the HeartFlow Analysis. HeartFlow Connect enables secure and reliable transmission of CT data via the internet. Relying on DICOM standards and secure HTTPS protocols, high-volume CCTA datasets can be transferred quickly and efficiently, with minimal staff interaction.

To learn more about how HeartFlow Planner can make a difference in your practice, visit [heartflow.com/planner](https://heartflow.com/planner) or contact your local HeartFlow representative.



The information provided by the HeartFlow Analysis and HeartFlow Planner is intended to be used in conjunction with the patient's clinical history, symptoms and other diagnostic tests, as well as the clinician's professional judgment. The HeartFlow Analysis and HeartFlow Planner may not be appropriate for all patients. See their indications for use and respective limitations for more information.

The HeartFlow FFR<sub>CT</sub> Analysis has received FDA Clearance, is CE-Marked, and is commercially available in the United States, Europe, Japan and Canada. The HeartFlow Planner has received FDA Clearance and is commercially available in the United States only.