

HeartFlow | Plaque Analysis

Enabling risk assessment
for coronary artery disease



Accurate. Comprehensive. Actionable.

REVEALPLAQUE Study Results

HeartFlow Plaque Analysis demonstrated a 95% agreement compared to IVUS in quantification and characterization of total plaque volume.

Total Plaque Volume

95% agreement with IVUS¹

Nomographic CT Quantitative Plaque Data

11,800+ Patient Analysis

Enables patient comparison to peers in same age and sex matched populations to optimize patient management.²

DECODE Study Results

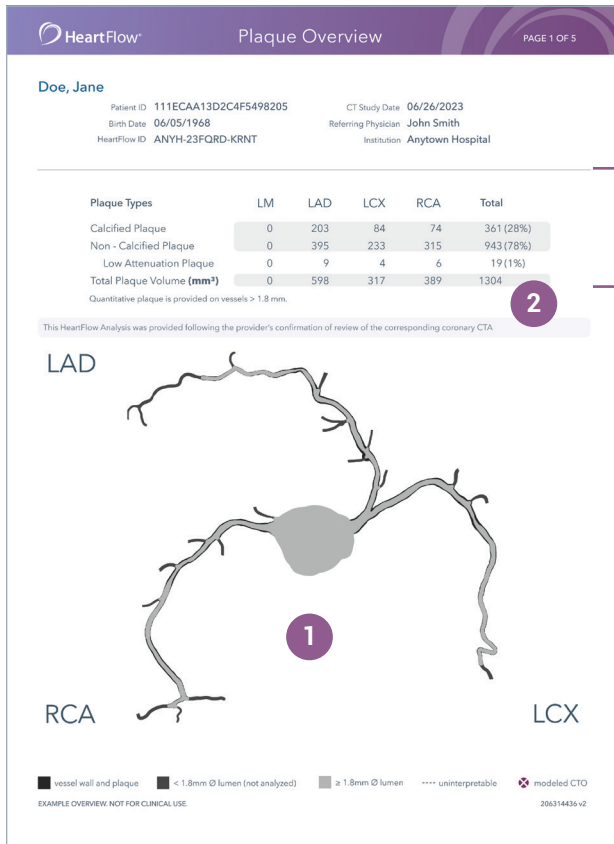


2 out of 3 patients

received a refined preventative management plan following physician review of the HeartFlow Plaque Analysis.

Nearly 50% of patients with a calcium score of 0 were reclassified.³

PLAQUE ANALYSIS – OVERVIEW PAGE

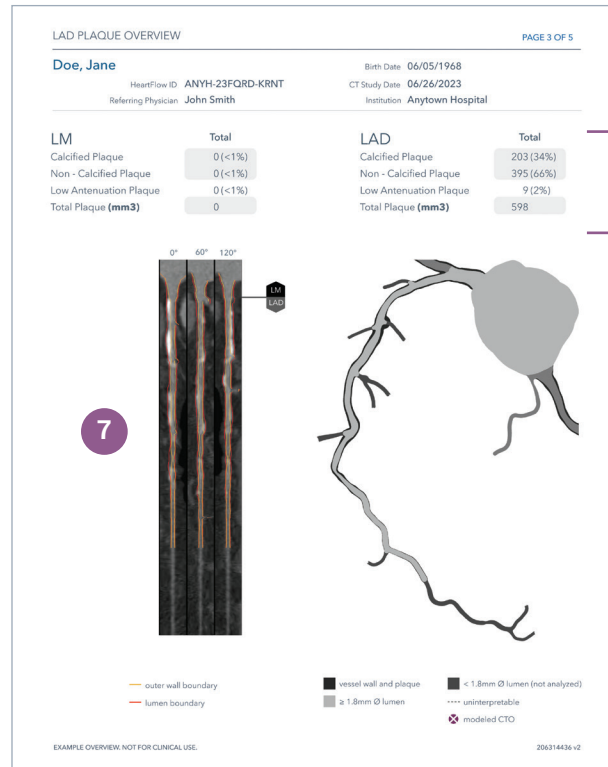


- 2D vessel image** displays the overall anatomy and difference between the outer wall and lumen model, indicating approximate plaque location.
- Quantitative plaque overview table** includes **plaque type and quantity per vessel system**, as well as **total plaque volume**, providing a summary of your patient's plaque data.
- Plaque is **measured in mm³** in vessels that are >1.8mm in diameter.
- Low-Attenuation Plaque is a subset of Non-Calcified Plaque.
- Percentage of TPV per Plaque Type.
- Total Plaque Volume** = Calcified + Non-Calcified Volumes.

Plaque Types 3	LM	LAD	LCX	RCA	Total
Calcified Plaque	0	203	84	74	361 (28%)
Non - Calcified Plaque	0	395	233	315	943 (78%)
Low Attenuation Plaque 4	0	9	4	6	19 (1%) 5
Total Plaque Volume (mm³)	0	598	317	389	1304 6

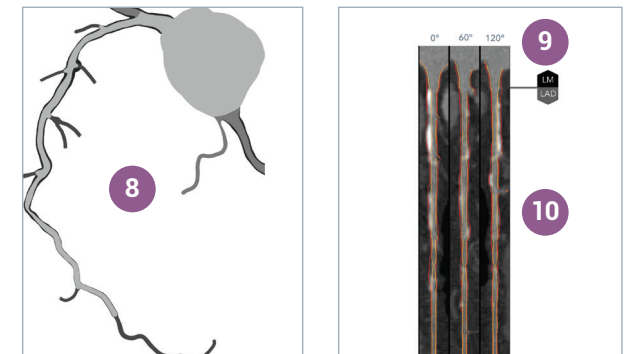
Quantitative plaque is provided on vessels > 1.8 mm.

PLAQUE ANALYSIS – VESSEL PAGE



- Each **vessel page** contains detailed **plaque quantification and characterization**, a 2D image of the vessel and **Straightened Curved Planar Reformation (sCPR)** in **0, 60, and 120 degree views**.

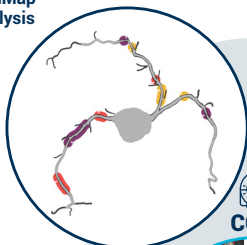
LM	Total	LAD	Total
Calcified Plaque	0 (<1%)	Calcified Plaque	203 (34%)
Non - Calcified Plaque	0 (<1%)	Non - Calcified Plaque	395 (66%)
Low Attenuation Plaque	0 (<1%)	Low Attenuation Plaque	9 (2%)
Total Plaque (mm³)	0	Total Plaque (mm³)	598



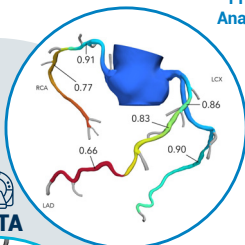
- 2D vessel image** for additional visualization.
- sCPR in 0, 60, and 120 degree views** provides a more complete 360° view of each vessel.
- sCPR** is a CT image that provides outer wall (red) and lumen (yellow) contours, as well as native CT images for review.

Get the full picture with **HeartFlow ONE.**

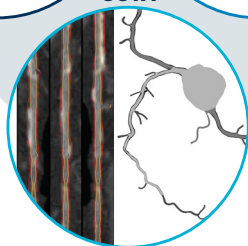
RoadMap™
Analysis



FFR_{CT}
Analysis




CCTA



Plaque
Analysis

For more information, visit
heartflow.com/plaque

References:

1. REVEALPLAQUE Study, presented at SCCT 2023.
2. Tzimas, et al. JACC CVI 2023.
3. DECODE Study, presented at SCCT 2023.

Legal Disclaimer: The information provided by the HeartFlow FFR_{CT} Analysis and Plaque Analysis 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 FFR_{CT} and Plaque Analysis may not be appropriate for all patients. See their respective indications for use for more information.

The HeartFlow FFR_{CT} Analysis has received FDA Clearance, is CE-Marked, and is commercially available in the United States, Europe, Japan, and Canada. The Plaque Analysis has received FDA Clearance and is commercially available in the United States.

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