Coronary Imaging Service

Patient	MRN	Cleerly ID	Study Date	Provider
ROESLER MARK A (10/31/1955)	040619686	17CJRNSJ	12/8/2025 10:52 AM	MANDEL

Summary

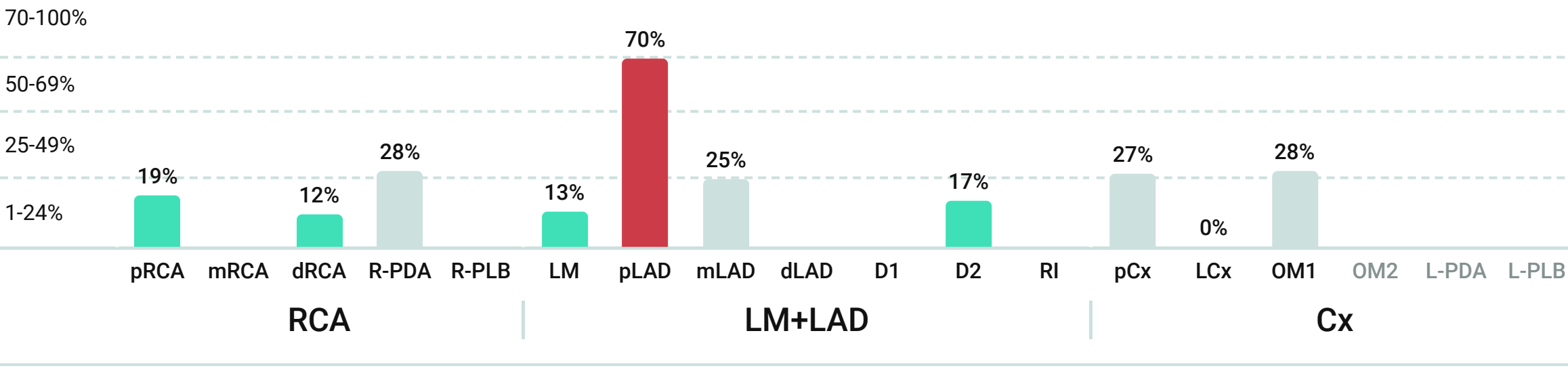
Atherosclerosis	**604.3 mm³ Total Plaque** (0.4 mm³ Low-Density - Non-Calcified, 305.1 mm³ Non-Calcified, 298.8 mm³ Calcified)
Stenosis	**1 Severe** (pLAD); **4 Mild** (R-PDA, mLAD, pCx, OM1); **6 Minimal** (pRCA, dRCA, LM, mLAD, D2, pCx)
Ischemia	**Likely Present** (LAD, D1, D2)
Dominance	**Right-Dominant**
Exclusions*	**1% of coronary length was excluded. Non-Evaluable portion(s) in mRCA.**

Atherosclerosis

Territory	Plaque Volume (mm³)				Percent Atheroma Volume
	TOTAL	Low-Density - Non-Calcified	Non-Calcified	Calcified	
RCA	**123.9**	0.1	64.4	59.4	8.9%
LM+LAD	**408.3**	0.3	217.9	190.1	27.5%
Cx	**72.1**	0	22.8	49.3	19.7%
TOTAL	**604.3**	**0.4**	**305.1**	**298.8**	**18.7%**

Stenosis

Severe	Moderate	Mild	Minimal
≥70% or ≥50% LM only	50-69%	25-49%	1-24%
1	0	4	6



Ischemia

Likely present in: LAD D1 D2

* When exclusions are identified, the presence of plaque or significant stenosis in excluded areas is not analyzed.
Consider getting additional testing or repeat examination as clinically indicated.

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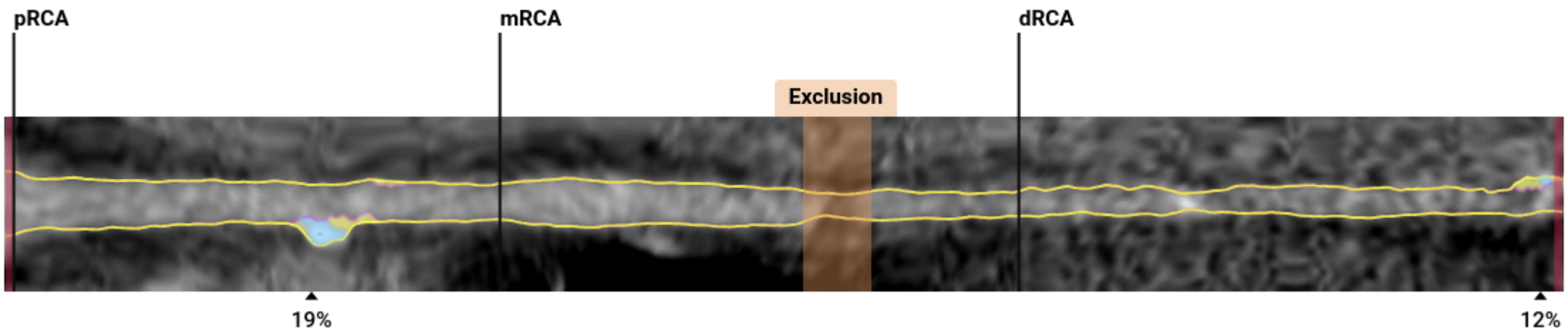
Right Coronary Artery (RCA)

99 mm^3 8.2% PAV	0.1 mm^3 < 0.1% PAV	54.1 mm^3 4.5% PAV	44.9 mm^3 3.7% PAV
Total Plaque Volume	Low-Density - Non-Calcified Plaque Volume	Total Non-Calcified Plaque Volume	Total Calcified Plaque Volume

19% Greatest Diameter Stenosis

1.3 Highest Remodeling Index

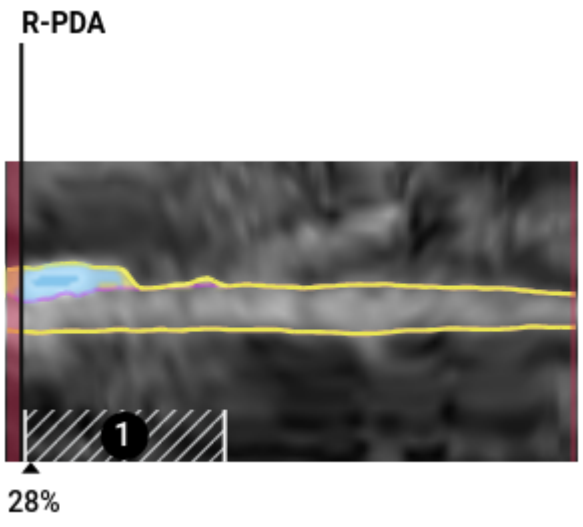


Right Posterior Descending Artery (R-PDA)

24.9 mm^3 17.1% PAV	0 mm^3 0% PAV	10.4 mm^3 7.1% PAV	14.5 mm^3 10% PAV
Total Plaque Volume	Low-Density - Non-Calcified Plaque Volume	Total Non-Calcified Plaque Volume	Total Calcified Plaque Volume

28% Greatest Diameter Stenosis

1.3 Highest Remodeling Index



1 Lesion

28% R-PDA
Greatest Diameter Stenosis

11 mm	1.8 mm	1.7 mm
Plaque Length	Minimum Luminal Diameter	Reference Diameter Before Stenosis

Plaque Volume **23.8 mm^3**

0 — 250 — 500

Low-Density - Non-Calcified (mm^3)	0
Non-Calcified (mm^3)	9.9
Calcified (mm^3)	13.9

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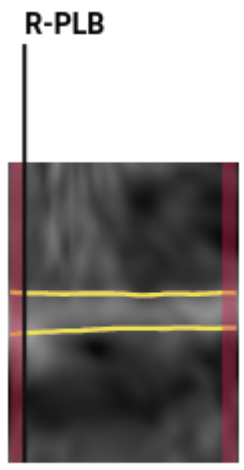
Right Posterior Lateral Branch (R-PLB)

0 mm^3 0% PAV	0 mm^3 0% PAV	0 mm^3 0% PAV	0 mm^3 0% PAV
Total Plaque Volume	Low-Density - Non-Calcified Plaque Volume	Total Non-Calcified Plaque Volume	Total Calcified Plaque Volume

N/A Greatest Diameter Stenosis

1 Highest Remodeling Index



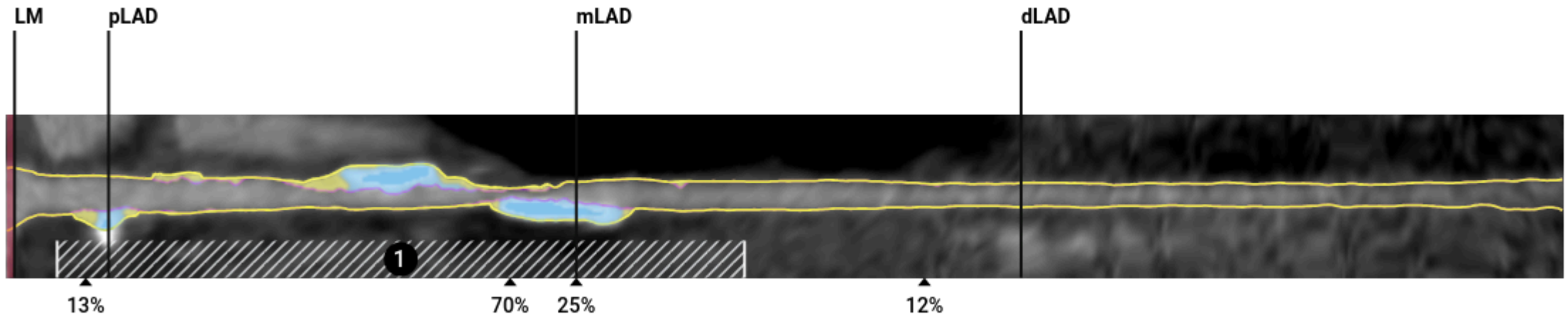
Left Main and Left Anterior Descending (LM+LAD) ISCHEMIA LIKELY

Ischemia likely present in LAD only

397.2 mm^3 33.9% PAV	0.3 mm^3 < 0.1% PAV	207.8 mm^3 17.7% PAV	189.4 mm^3 16.2% PAV
Total Plaque Volume	Low-Density - Non-Calcified Plaque Volume	Total Non-Calcified Plaque Volume	Total Calcified Plaque Volume

70% Greatest Diameter Stenosis

1.2 Highest Remodeling Index



1 Lesion

This lesion spans the LM, pLAD, mLAD and pCx

13% LM, 70% pLAD, 25% mLAD, 27% pCx
Greatest Diameter Stenosis

76.5 mm	1 mm	4.6 mm
Plaque Length	Minimum Luminal Diameter	Reference Diameter Before Stenosis

Plaque Volume 415.8 mm^3

0 250 500

Low-Density - Non-Calcified (mm^3)	0.2
Non-Calcified (mm^3)	211.6
Calcified (mm^3)	204

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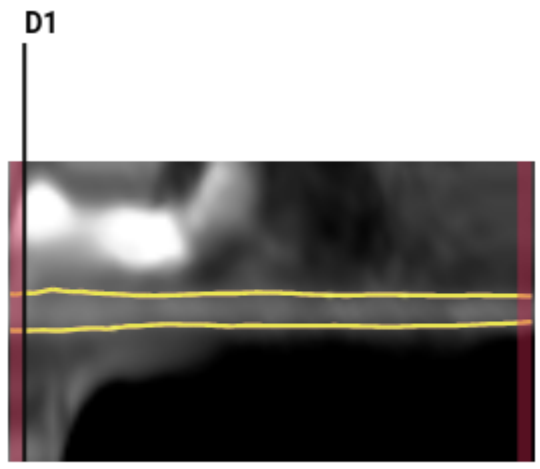
First Diagonal Branch (D1) ISCHEMIA LIKELY

0 mm^3 0% PAV	0 mm^3 0% PAV	0 mm^3 0% PAV	0 mm^3 0% PAV
Total Plaque Volume	Low-Density - Non-Calcified Plaque Volume	Total Non-Calcified Plaque Volume	Total Calcified Plaque Volume

N/A Greatest Diameter Stenosis

1 Highest Remodeling Index

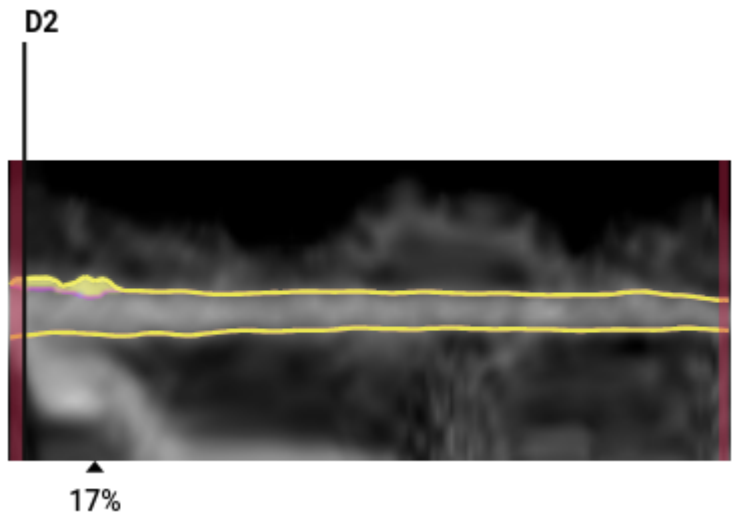


Second Diagonal Branch (D2) ISCHEMIA LIKELY

11.1 mm^3 8.1% PAV	0 mm^3 0% PAV	10.4 mm^3 7.6% PAV	0.7 mm^3 0.5% PAV
Total Plaque Volume	Low-Density - Non-Calcified Plaque Volume	Total Non-Calcified Plaque Volume	Total Calcified Plaque Volume

17% Greatest Diameter Stenosis

1.3 Highest Remodeling Index



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Circumflex (Cx)

63.5 mm³ 25.6% PAV
Total Plaque Volume

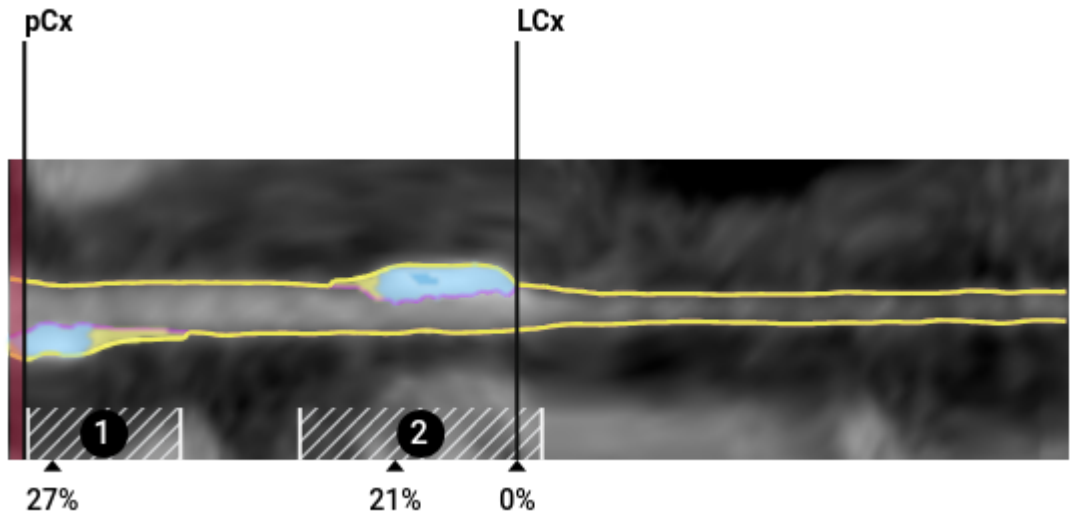
0 mm³ 0% PAV
Low-Density - Non-Calcified Plaque Volume

20.5 mm³ 8.3% PAV
Total Non-Calcified Plaque Volume

43 mm³ 17.3% PAV
Total Calcified Plaque Volume

27% Greatest Diameter Stenosis

1.5 Highest Remodeling Index



1 Lesion

This lesion spans the LM, pLAD, mLAD and pCx

13% LM, 70% pLAD, 25% mLAD, 27% pCx
Greatest Diameter Stenosis

76.5 mm
Plaque Length

2.2 mm
Minimum Luminal Diameter

3.1 mm
Reference Diameter Before Stenosis

Plaque Volume **28.9 mm³**

0 — 250 — 500

Low-Density - Non-Calcified (mm³)	0
Non-Calcified (mm³)	11.1
Calcified (mm³)	17.8

2 Lesion

This lesion spans the pCx, LCx and OM1

21% pCx, 0% LCx, 28% OM1
Greatest Diameter Stenosis

17.8 mm
Plaque Length

1.9 mm
Minimum Luminal Diameter

2.7 mm
Reference Diameter Before Stenosis

Plaque Volume **32.8 mm³**

0 — 250 — 500

Low-Density - Non-Calcified (mm³)	0
Non-Calcified (mm³)	9.3
Calcified (mm³)	23.5

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First Obtuse Marginal (OM1)

8.6 mm³ 7.3% PAV
Total Plaque Volume

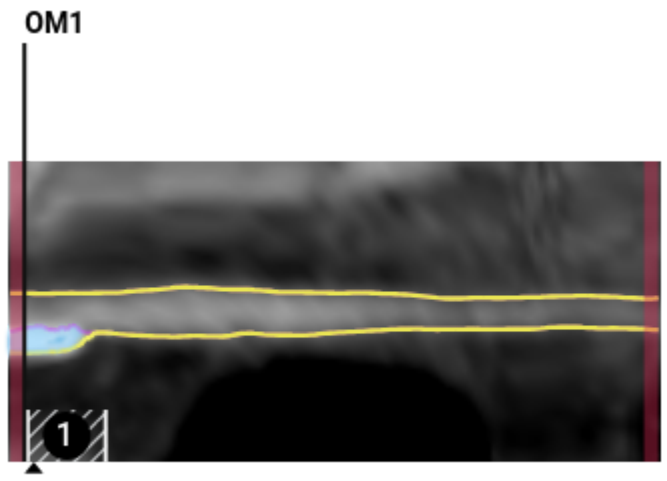
0 mm³ 0% PAV
Low-Density - Non-Calcified Plaque Volume

2.3 mm³ 2% PAV
Total Non-Calcified Plaque Volume

6.3 mm³ 5.4% PAV
Total Calcified Plaque Volume

28% Greatest Diameter Stenosis

1.1 Highest Remodeling Index



1 Lesion

This lesion spans the pCx, LCx and OM1

21% pCx, 0% LCx, 28% OM1
Greatest Diameter Stenosis

17.8 mm
Plaque Length

1.8 mm
Minimum Luminal Diameter

1.9 mm
Reference Diameter Before Stenosis

Plaque Volume **40.5 mm³**

0 250 500

Low-Density - Non-Calcified (mm³)	0
Non-Calcified (mm³)	11.4
Calcified (mm³)	29.1

Second Obtuse Marginal (OM2)

Not analyzed or not present

Left Posterior Descending Artery (L-PDA)

Not analyzed or not present

Left Posterior Lateral Branch (L-PLB)

Not analyzed or not present

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Ramus Intermedius (RI)

0 mm^3 0% PAV
Total Plaque Volume

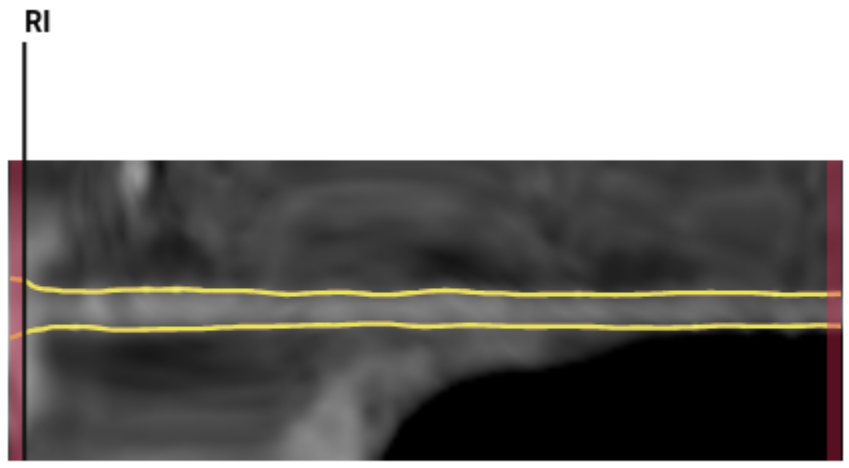
0 mm^3 0% PAV
Low-Density - Non-Calcified Plaque Volume

0 mm^3 0% PAV
Total Non-Calcified Plaque Volume

0 mm^3 0% PAV
Total Calcified Plaque Volume

N/A Greatest Diameter Stenosis

1 Highest Remodeling Index



Learn more about this Cleerly analysis and Coronary Artery Disease (CAD)
www.cleerlyhealth.com/learn

Lesion details are included for lesions with a stenosis ≥ 25%

Cleerly LABS is an interactive tool for viewing and analyzing CCTA data to assess CAD or suspected CAD based on the presence and extent of coronary plaques (i.e., atherosclerosis) and stenosis.

Cleerly ISCHEMIA prediction is a machine learning-based decision support tool that leverages lesion morphology and plaque characteristics from CCTA imaging.

Cleerly ISCHEMIA outputs a binary indication of likely absence of ischemia or likely presence of ischemia with its threshold equivalent to invasive FFR >0.80 vs. ≤0.80, respectively. The AHA / ACC professional societal guidelines advocate for the use of FFR ranges at the 0.80 threshold to be used to guide clinical decision making for determining appropriateness of coronary revascularization. The clinical performance of Cleerly ISCHEMIA for non-invasive determination of the functional significance of CAD was validated against direct invasive measurement of FFR. The underlying software user interface for Cleerly ISCHEMIA also allows lesion-by-lesion mapping of anatomic and physiologic findings of coronary artery disease across the entire coronary vascular tree.

Disclaimer: This report provided by Cleerly LABS does not provide data interpretation other than presence and extent of coronary plaques and degree of stenosis. This report should not be treated or used as a final diagnosis. Customer alone shall be responsible for evaluating the results, making any diagnosis, including but not limited to insertion of a CAD-RADS score to this report, and recommending any care or treatment to the patient, taking into account all relevant information, including customer independent review and interpretation of the source images. Certain views in this report may make use of interpolated data, which may give the appearance of healthy tissue in situations where pathology that is near or smaller than the screening resolution may be present. Cleerly shall not be liable for any decisions made for treatment recommended (or not recommended) by customer based on the report results, and customer agrees to indemnify and hold harmless Cleerly from any and all claims arising from or related to such decisions.

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