Figure 1

N=12 Discontinued
Reason for Discontinuation
- Lab Adverse Experience (2)
- Consent Withdrawn (2)
- Protocol Deviation (2)
- Clinical Adverse Experience (4)
- Other (2)

N=83 underwent baseline FDG-PET/CT and CTA imaging
- Statin Therapy Initiated

N=71 underwent the second FDG-PET/CT imaging
- Statin Therapy Terminated

PET Image Analysis Group
- Analyses of PET/CT images (arterial inflammation in the aorta, carotid, and left main coronary artery) while blinded to CTA images/data
- N=68 had sufficient quality of PET/CT images

CTA Image Analysis Group
- Analyses of CTA images (plaque morphology in the carotids, left main coronary artery and the entire coronary tree) while blinded to PET/CT images/data
- N=55* had sufficient quality of CTA images

Unblinding of Treatment Allocation and Clinical Data

Final analyses (N=55*)

N=80 Excluded
Most Common Reason for Exclusion:
- Arterial FDG-PET/CT < 1.5 (17)
- Elevated Medical History (14)
- Poorly Controlled Type 2 Diabetes (13)
- Local PI Discretion - Reason Unspecified (12)
- Elevated Lipid Level (10)
- Excluded Medications (7)
- Abnormal Lab Test Result (6)
- Uncontrolled Hypertension (4)
- Unable to Adhere to Study Requirements (2)
- Withdrawal Consent (2)
- Use of Illlicit Drugs or Recent Abuse of Drugs (2)
- Recent Participation in Other Study (1)

* Some subjects were excluded for more than 1 reason. Therefore, the sum of individual totals is >80.
Figure 2

Coronary FDG Uptake (Left Main Target-to-Background Ratio)

High-risk LM Coronary Plaque Morphology
(Presence of non-calcified or partially calcified plaques [NCP/PCP] in LM Coronary)

P = 0.043
Figure 4

High-risk LM Coronary Plaque Morphology
(Presence of non-calcified or partially calcified plaques [NCP/PCP] in LM Coronary)
Figure 5

(A) Extra-Coronary FDG Uptake

R = 0.5
P = 0.001

(B) ΔLM TBR (week12-baseline)

R = 0.33
P = 0.04

Δ Extra-Coronary TBR (week12-baseline)
Figure 6

**Aortic Wall Inflammation (TBR)**

Coronary Plaque Morphology (Proportion with HRM)

- **Low Activity** (TBR ≤ median value)
- **High Activity** (TBR > median value)

P = 0.02