



The **PRECISE** Trial

Comparison of a **Precision Pathway** with **Traditional Testing** to guide management of stable symptomatic patients with suspected Coronary Artery Disease (CAD).^Δ

1-Year Primary Endpoint Results

Primary Endpoint: Composite of death, nonfatal MI or ICA without obstructive CAD

The Precision Pathway, centered around CCTA+/-FFRc_T, achieved its primary endpoint with a 70% reduction, relative to Traditional Testing, of the composite of all-cause death, nonfatal MI, or catheterizations without obstructive disease at 1 year.

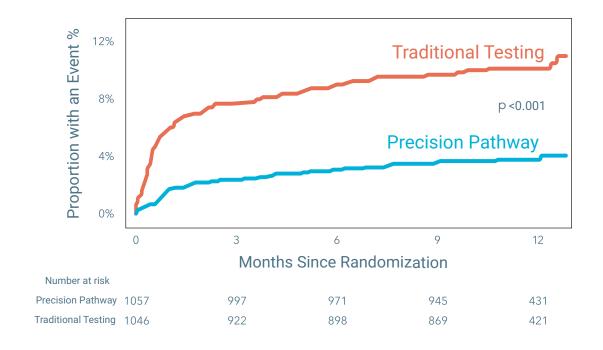
Precision Pathway

Risk scoring to defer testing for low-risk patients.*

CCTA with selective FFR_{ct} for elevated risk patients.

Traditional Testing

Functional Testing (stress nuclear and stress echo) and Invasive Coronary Angiography (ICA).



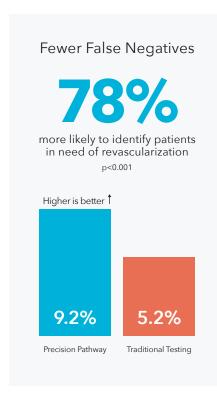
1-Year Results	Precision Pathway (N=1057)	Traditional Testing (N=1046)
Primary Endpoint Composite§	4.2% (44)	11.3% (118)
All-Cause Death	0.5% (5)	0.7% (7)
Nonfatal MI	1.2% (13)	0.5% (5)
ICA w/o Obstructive CAD	2.6% (27)	10.2% (107)
Death or MI	1.7% (18)	1.1% (12)

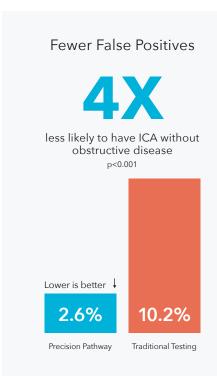
[§]Adjusted Hazard Ratio 0.29, p<0.001

Key Findings

The Precision Pathway is the preferred diagnosis and treatment pathway.

More Accurate Non-Invasive Diagnosis



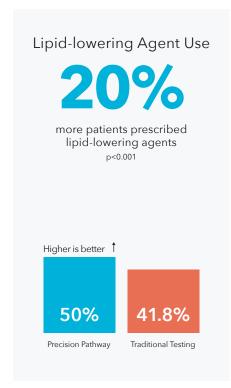


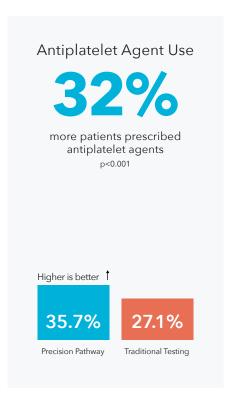


Fewer Unnecessary Tests

Reduced Long-Term Risk by Increasing Preventive Therapies ¶







Level 1 Evidence

Prospective Randomized Controlled Trial







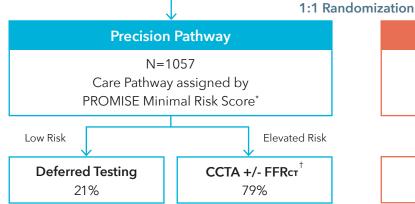
Core Lab & CEC⁰

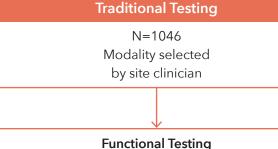
This landmark study confirms the CCTA+FFRct-centered strategy, supported by the AHA/ACC Guidelines, is superior to traditional diagnostic pathways including invasive angiography or stress testing for patients with stable chest pain or equivalent symptoms requiring testing for suspected CAD.

Trial Design

Patients with non-acute chest pain or the equivalent requiring testing for suspected CAD.

No history of obstructive CAD or CAD testing < 1 year: N=2103





or Direct to Cath

All subsequent medical care and testing decisions made by site clinician. Guideline-directed medical management recommended for all.

Primary Endpoint (1-Year)

Death, Nonfatal MI, Cath without Obstructive CAD

Secondary Endpoints

Death, Nonfatal MI, Unplanned CV Hospitalizations, Preventive Medication Use, Radiation, Cath Yield, Resource Use, Quality of Life

References

PROMISE variables include: age, sex, ethnicity, smoking history, diabetes mellitus, dyslipidemia, family history of premature coronary artery disease, hypertension, symptoms related to stress and high-density lipoprotein (HDL) concentration.

¹Joshi, et al. JAMA 2021

Olinical Events Committee (CEC)

Δ Douglas, et al. The PRECISE Trial. Presented at AHA Scientific Sessions 2022.

^{*}Patient risk was determined using the PROMISE Minimal Risk Score.

[†]For stenoses 30-90%