

# Percutaneous Coronary Revascularization Versus Coronary-Artery Bypass Grafting for Multivessel Disease in Patients With Left Ventricular Dysfunction (PROVERB)

NCT05532631

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<b>Status</b>	RECRUITING
<b>Phase</b>	Not Applicable
<b>Sponsor</b>	Assistance Publique - Hôpitaux de Paris
<b>Enrollment</b>	1,040 participants

## Plain Language Summary

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This study is comparing two ways to open up blocked coronary arteries in people with severely weakened hearts and multiple blocked vessels: a catheter-based procedure (PCI, also called angioplasty/stenting) versus open-heart bypass surgery (CABG). The question is which approach leads to better outcomes in this high-risk group.

**\*\*You may be eligible if...\*\***

- You are 18 or older
- Your heart's pumping strength (ejection fraction) is 35% or less
- You have multiple blocked coronary arteries (three-vessel disease, or two-vessel disease including a critical artery)
- Both PCI and bypass surgery are technically possible, as agreed by your heart care team
- You have health insurance and can commit to at least 2 years of follow-up

**\*\*You may NOT be eligible if...\*\***

- You have had prior bypass surgery or a stent placed in the last 6 months
- You are in cardiogenic shock (critically low blood pressure)
- You have had a heart attack in the last 30 days
- You have another life-threatening illness with less than 2 years expected survival
- You also need another heart surgery (e.g., valve repair)

Talk to your doctor to see if this trial is right for you.

## Key Eligibility Criteria

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### Inclusion (8)

- Age ≥18 years
- Left ventricle ejection fraction ≥35% measured by echocardiography, cardiac magnetic resonance imaging ventriculogram or gated Single Photon Emission Computed Tomography ventriculogram
- Multivessel disease suitable for revascularization:
  - Three vessel disease
  - Two vessel disease involving left main or proximal left anterior descending artery
- ... and 3 more (see full listing online)

### Exclusion (13)

- Prior:
  - PCI of any coronary artery lesions within 6 months prior to randomization
  - CABG at any time prior to randomization
- Ongoing cardiogenic shock at the time of coronary angiogram (SBP < 90 mmHg with clinical signs of low output or patients requiring inotropic agents)

<https://clinicaltrials.gov/ct2/show/study/NCT05532631>

- Contra indication for PCI or CABG determined by the heart team

... and 8 more (see full listing online)

## Locations (1 total)

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Assistance Publique Hôpitaux de Paris - CHU HENRI MONDOR, Créteil, Val De Marne, France

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