

μQFR for Branch Stenosis After Single Stent in Bifurcation Lesions

NCT07116083

Status	RECRUITING
Sponsor	Shanghai Zhongshan Hospital
Enrollment	290 participants

Key Eligibility Criteria

Inclusion (4)

- Age ≥ 18 years and provision of written informed consent for biospecimen donation upon hospital admission.
- Clinical suspicion or diagnosis of CAD requiring coronary angiography and physiological assessment.
- Angiographically confirmed true bifurcation lesions, including but not limited to: left main-left anterior descending-left circumflex (LM-LAD-LCx), left anterior descending-diagonal (LAD-Dg), left circumflex-obtuse marginal (LCx-OM), and right coronary artery-posterior left ventricular-posterior descending artery (RCA-PLV-PDA).
- Bifurcation lesion vessel diameter ≥ 2.5 mm with visually estimated angiographic diameter stenosis ≤ 50%.

Exclusion (5)

- Acute myocardial infarction.
- Cardiogenic shock or severe heart failure (Killip class IV).
- Serum creatinine ≥ 150 $\mu\text{mol/L}$ or estimated glomerular filtration rate (eGFR) < 45 mL/min/1.73 m² calculated using the CKD-EPI formula.
- Known allergy to iodinated contrast media.
- History of coronary artery bypass graft surgery.

Locations (1 total)

Zhongshan Hospital, Fudan University, Shanghai, Shanghai Municipality, China