

Safety and Effectiveness of No-touch Technique for Ascending Aorta in MICS-CABG

NCT07172620

Status RECRUITING
Sponsor Peking University Third Hospital
Enrollment 260 participants

Key Eligibility Criteria

Inclusion (2)

- Patients with angina pectoris who experience functional limitations in daily life and work despite conservative medical treatment and who require coronary artery bypass grafting surgery, as confirmed by coronary angiography, are eligible for enrollment.
- Patients with calcification of the ascending aorta, as confirmed by CT, who are not suitable for sidewall clamping are also eligible for enrollment.

Exclusion (8)

- The patient presents with an old, large myocardial infarction with no surviving myocardium, as evidenced by both isotope and echocardiographic imaging. This is a group of patients who are prone to complications, including significant cardiac enlargement, a cardiothoracic ratio greater than 0.75, an ejection fraction (EF) less than 30%, a left ventricular diameter (LVDd) greater than 70mm, the presence of a left ventricular wall tumor, or severe arrhythmia. Intraoperative hemodynamic instability;
- Valve surgery or other intracardiac surgery at the same time;
- Patients expected to undergo extracorporeal circulation surgery;
- Poor myocardial infarction conditions, extensive lesions, distal or full diffuse stenosis, or lumen diameter less than or severe calcification that cannot be anastomosed.
- Previous open heart surgery.

... and 3 more (see full listing online)

Locations (1 total)

Peking University Third Hospital, Beijing, Beijing Municipality, China