

Retinal OCTA for Microvascular Dysfunction Evaluation and Outcome Prediction in MINOCA Patients

NCT07055152

Status RECRUITING
Sponsor University of Pisa
Enrollment 90 participants

Key Eligibility Criteria

Inclusion (6)

- Age: Patients aged ≥ 18 .
- Diagnosis:
 - MINOCA Group: Patients diagnosed with Myocardial Infarction with Non-Obstructive Coronary Arteries (MINOCA) confirmed by coronary angiography.
 - ACS Group: Patients with Acute Coronary Syndrome (ACS) with significant coronary artery stenosis which are matched with MINOCA patients for gender, age, LVEF at admission and chronic kidney disease stage.
 - Healthy Controls: Age and gender-matched healthy individuals with no history of cardiovascular disease.
- ... and 1 more (see full listing online)

Exclusion (3)

- Ocular Conditions: Any significant ocular disease (e.g., glaucoma, diabetic retinopathy, macular degeneration) that could interfere with OCTA imaging quality.
- Severe Comorbidities: Presence of severe systemic diseases, such as advanced renal failure, active cancer, or severe liver disease, which might impact study participation.
- Coronary Artery Disease or Myocarditis: For the MINOCA group, patients with coronary artery stenosis $\geq 50\%$ or functionally significant (FFR ≤ 0.8) or patients with Myocarditis detected through CMR will be excluded
Pregnancy: Pregnant or breastfeeding women.
Inability to Comply: Patients unable or unwilling to comply with study procedures, including follow-up visits.

Locations (1 total)

University of Pisa, Cisanello Hospital, Pisa, Pisa, Italy