Acute ST-elevation myocardial infarction patients treated with primary PCI and a CTO in a non-infarct related coronary artery

Informed consent

Baseline cMRI, echocardiography, and laboratory measurements

Randomization

PCI of the CTO within 7 days after primary PCI for STEMI
No CTO intervention within 4 months

Hospital discharge

30-day follow-up

cMRI at 4 months, assessing the primary endpoints left ventricular ejection fraction and left ventricular end diastolic volume

1-year clinical follow-up and coronary angiography

Clinical follow-up at 2, 3, 4, and 5 years

STEMI = ST elevation myocardial infarction
PCI = Percutaneous Coronary Intervention
CTO = Chronic Total Occlusion