APPENDIX: Main eligibility criteria for the three randomized clinical trials

**ASSENT-3**

*Inclusion criteria*
- Symptom onset within 6 hours of hospital arrival
- New or presumed new ST-segment elevation ≥1 mm in ≥2 contiguous leads or left bundle branch block

*Exclusion criteria*
- Systolic blood pressure >180 mmHg or diastolic blood pressure >110 mmHg
- Use of glycoprotein IIb/IIIa inhibitors in the prehospital acute phase (in transit)
- History of major surgery or trauma within 2 weeks
- Any known history of stroke or transient ischemic attack
- Chronic or prehospital acute warfarin, low-molecular-weight heparin, or unfractionated heparin therapy
- Known renal insufficiency (serum creatinine >2.5 mg/dL for men and >2.0 mg/dL for women)
- Known history of resuscitated sudden cardiac death

*Unable to determine in GRACE at admission* (exclusion criteria): patients who actively participated in another investigative drug or device study within the previous 30 days, were previously enrolled in this study, or had unfractionated heparin or subcutaneous low-molecular-weight heparin given within 6 hours of hospital admission.

**GUSTO V**

*Inclusion criteria*
- Symptom onset between 30 minutes and 6 hours before hospital arrival
- New or presumed new ST-segment elevation ≥1 mm in ≥2 contiguous leads or left bundle branch block

*Exclusion criteria*
- Systolic blood pressure >180 mmHg and diastolic blood pressure >110mm Hg
- Chronic or prehospital acute warfarin therapy
- Any known history of stroke or transient ischemic attack
- Weight >120 kg

*Unable to determine in GRACE at admission* (exclusion criteria): planned catheter-based reperfusion, active bleeding, or noncompressible vascular puncture site, platelet count <100,000 cells/µL.

**DANAMI-2**

*Inclusion criteria*
- Symptom onset between 30 minutes and 12 hours before hospital arrival
- Cumulative ST-segment elevation ≥ 4 mm in ≥2 contiguous leads: sum of ST-segment deviations (of ≥1 mm in 2 contiguous leads) required in two locations (anterior, inferior, or lateral).

*Exclusion criteria*
- Known contraindication to thrombolytic therapy
- Left bundle branch block
- Prior coronary artery bypass graft surgery
- Serum creatinine >2.83 mg/dL
- Participating hospital does not have a catheterization laboratory
- Treated with metformin (chronic or in hospital); data not available for all patients
- Killip class IV (cardiogenic shock)
Unable to determine in GRACE at admission (exclusion criteria): acute myocardial infarction within previous 30 days, pulseless femoral arteries, noncardiac disease with life expectancy <12 months, persistent life-threatening arrhythmias, or need for mechanical ventilation.