

Clinical trials of systematic PCI (+stent)

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1 acute myocardial infarction

Trial	Treatments	Patients	Trials design and methods
systematic PCI (+stent) vs no systematic PCI			
CAPITAL AMI , 2005 n=86/84 follow-up: 6 months	TNK-facilitated angioplasty versus TNK alone	patients with high-risk ST-segment elevation myocardial infarction	Parallel groups
GRACIA-1 , 2004 n=248/251 follow-up: 12 months	angiography and intervention if indicated within 24 h of thrombolysis versus ischaemia-guided conservative approach	patients with thrombolysed STEMI (with recombinant tissue plasminogen activator)	Parallel groups
PRAGUE , 2000 n=100/99 follow-up: 12 months	thrombolysis during immediate transportation for coronary angioplasty versus thrombolysis in a community hospital	patients with acute ST elevation myocardial infarction presenting to community hospitals	
SIAM III , 2002 n=82/81 follow-up: 6 months	immediate stenting after thrombolysis versus conservative treatment	patients receiving thrombolysis in AMI (<12 h)	Parallel groups Germany
WEST , 2006 n=104/100 follow-up: 30 days	TNK and mandatory invasive study <= 24 h, including rescue PCI for reperfusion failure versus tenecteplase (TNK) and usual care	STEMI patients (>4 mm ST-elevation/deviation) within 6 h of symptom onset	Parallel groups Canada

More details and results :

- myocardial revascularization for acute myocardial infarction in all type of patients at <http://www.trialresultscenter.org/go-Q129>
- PCI for acute myocardial infarction in all type of patients at <http://www.trialresultscenter.org/go-Q246>

References

CAPITAL AMI, 2005:

Le May MR, Wells GA, Labinaz M, Davies RF, Turek M, Leddy D, Maloney J, McKibbin T, Quinn B, Beanlands RS, Glover C, Marquis JF, O'Brien ER, Williams WL, Higginson LA Combined angioplasty and pharmacological intervention versus thrombolysis alone in acute myocardial infarction (CAPITAL AMI study). J Am Coll Cardiol 2005;46:417-24 [[16053952](#)]

GRACIA-1, 2004:

Fernandez-Aviles F, Alonso JJ, Castro-Beiras A, Vzquez N, Blanco J, Alonso-Briales J, Lpez-Mesa J, Fernndez-Vazquez F, Calvo I, Martnez-Elbal L, San Romn JA, Ramos B Routine invasive strategy within 24 hours of thrombolysis versus ischaemia-guided conservative approach for acute myocardial infarction with ST-segment elevation (GRACIA-1): a randomised controlled trial. *Lancet* 2004;364:1045-53 [[15380963](#)]

PRAGUE, 2000:

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SIAM III, 2002:

Scheller B, Hennen B, Hammer B, Walle J, Hofer C, Hilpert V, Winter H, Nickenig G, Bhm M Beneficial effects of immediate stenting after thrombolysis in acute myocardial infarction. *J Am Coll Cardiol* 2003;42:634-41 [[12932593](#)]

WEST, 2006:

Armstrong PW A comparison of pharmacologic therapy with/without timely coronary intervention vs. primary percutaneous intervention early after ST-elevation myocardial infarction: the WEST (Which Early ST-elevation myocardial infarction Therapy) study. *Eur Heart J* 2006;27:1530-8 [[16757491](#)]