

Clinical trials of thrombolysis + angioplasty

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1 acute myocardial infarction

Trial	Treatments	Patients	Trials design and methods
thrombolysis + angioplasty vs immediate thrombolysis			
NORDISTEMI , 2009 [NCT00161005] n=134/132 follow-up: 1y	transfer for immediate coronary angiography and intervention versus concerivative strategy	patients with STEMI of less than 6 hours of duration and more than 90 minutes expected time delay to PCI	Parallel groups open Norway
CARESS , 2008 n=NA follow-up: 30 days	immediate transfer for PCI after half-dose reteplase, abciximab, heparin, and aspirin versus half-dose reteplase, abciximab, heparin, and aspirin, transfer for PCI only if they had persistent ST elevation at 90 minutes (rescue PCI)	STEMI patients under 75 years old within 12 hours of symptom onset who had been admitted to hospitals without PCI facilities	open France, Italy, and Poland
CAPITAL AMI , 2005 n=86/84 follow-up: 6 months	full-dose tenecteplase (TNK) plus PCI versus thrombolysis alone	high-risk MI patients within six hours of symptom onset	Parallel groups open US
PRAGUE-1 (thrombolysis+PTCA) , 2000 n=100/99 follow-up: 30 days	thrombolytic therapy during transportation to angioplasty versus immediate thrombolysis with streptokinase	patients with acute myocardial infarction, presenting within 6 h of symptom onset at community hospitals without a catheterization laboratory	Parallel groups open Czech Republic
TRANSFER-AMI , 2008 ongoing [NCT00164190] n=NA follow-up: 30 days	pharmacoinvasive strategy (transfer for PCI within six hours of fibrinolysis) versus standard treatment after fibrinolysis (rescue PCI for failed reperfusion, with elective PCI encouraged for successfully reperfused patients after 24 hours)	patients with high-risk STEMI	Parallel groups open

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

NORDISTEMI, 2009:

CARESS, 2008:

Di Mario C, Dudek D, Piscione F, Mielecki W, Savonitto S, Murena E, Dimopoulos K, Manari A, Gaspardone A, Ochala A, Zmudka K, Bolognese L, Steg PG, Flather M Immediate angioplasty versus standard therapy with rescue angioplasty after thrombolysis in the Combined Abciximab REteplase Stent Study in Acute Myocardial Infarction (CARESS-in-AMI): an open, prospective, randomised, multicentre trial. *Lancet* 2008;371:559-68 [[18280326](#)]

Di Mario C, Bolognese L, Maillard L, Dudek D, Gambarati G, Manari A, Guiducci V, Patrizi G, Rusconi LC, Piovaccari G, Hibon AR, Belpomme V, Indolfi C, Olivari Z, Steffenino G, Zmudka K, Airoidi F, Panzarasa R, Flather M, Steg PG Combined Abciximab REteplase Stent Study in acute myocardial infarction (CARESS in AMI). *Am Heart J* 2004;148:378-85 [[15389222](#)]

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 Aug 2;46:417-24 [[16053952](#)]

PRAGUE-1 (thrombolysis+PTCA), 2000:

Widimsk P, Groch L, Zelzko M, Aschermann M, Bednr F, Suryapranata H Multicentre randomized trial comparing transport to primary angioplasty vs immediate thrombolysis vs combined strategy for patients with acute myocardial infarction presenting to a community hospital without a catheterization laboratory. The PRAGUE study. *Eur Heart J* 2000;21:823-31 [[10781354](#)]

TRANSFER-AMI, 2008:

ongoing trial NCT00164190

Cantor WJ, Fitchett D, Borgundvaag B, Heffernan M, Cohen EA, Morrison LJ, Ducas J, Langer A, Mehta S, Lazzam C, Schwartz B, Dzavik V, Goodman SG Rationale and design of the Trial of Routine ANgioplasty and Stenting After Fibrinolysis to Enhance Reperfusion in Acute Myocardial Infarction (TRANSFER-AMI). *Am Heart J* 2008;155:19-25 [[18082484](#)]

Cantor WJ, Fitchett D, Borgundvaag B, Ducas J, Heffernan M, Cohen EA, Morrison LJ, Langer A, Dzavik V, Mehta SR, Lazzam C, Schwartz B, Casanova A, Goodman SG Routine early angioplasty after fibrinolysis for acute myocardial infarction. *N Engl J Med* 2009 Jun 25;360:2705-18 [[19553646](#)]