

# Clinical trials of reteplase

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## 1 acute myocardial infarction

Trial	Treatments	Patients	Trials design and methods
<b>Abciximab + reteplase vs primary intervention</b>			
<b>BRAVE (Kastrati) , 2004</b> n=125/128 follow-up: 30 days	-	symptom duration <12h	
<b>FINESSE (combination-facilitated PCI) , 2008</b> [NCT00046228] n=828/806 follow-up: 90 days	combination-facilitated PCI with abciximab plus half-dose reteplase versus primary PCI (abciximab administered immediately before the procedure)	patients with acute ST-segment elevation myocardial infarction; symptom duration <6h	Parallel groups open
<b>reteplase vs accelerated t-PA</b>			
<b>GUSTO III , 1997</b> n=10138/4921 follow-up: 30 days	reteplase, in two bolus doses or 10 MU each given 30 minutes apart versus alteplase, up to 100 mg infused over a period of 90 minutes	patients within 6 hours after the onset of symptoms with ST-segment elevation or bundle-branch block	Parallel groups open 20 countries
<b>RAPID-2 , 1996</b> n=169/155 follow-up: 35 days	10 plus 10 megaunits double bolus of reteplase versus front-loaded alteplase	patients with acute myocardial infarction within 12h from onset of ischemic chest pain	Parallel groups open USA, Germany
<b>reteplase vs streptokinase</b>			
<b>INJECT , 1995</b> n=3004/3006 follow-up: 6 mo	Reteplase 2 bolus de 10 MU 30 min d'intervalle versus Streptokinase 1.5 MU en IV en 60 min	patients with symptoms and electrocardiographic criteria consistent with acute myocardial infarction within 12 h from onset of symptoms	Parallel groups double blind Europe

More details and results :

- myocardial revascularization for acute myocardial infarction in facilitated PCI at <http://www.trialresultscenter.org/go-Q90>
- myocardial revascularization for acute myocardial infarction in all type of patients at <http://www.trialresultscenter.org/go-Q129>
- fibrinolysis for acute myocardial infarction in all type of patients at <http://www.trialresultscenter.org/go-Q260>

## References

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### **FINESSE (combination-facilitated PCI), 2008:**

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### **GUSTO III, 1997:**

A comparison of reteplase with alteplase for acute myocardial infarction. The Global Use of Strategies to Open Occluded Coronary Arteries (GUSTO III) Investigators. *N Engl J Med* 1997 Oct 16;337:1118-23 [[9340503](#)] [10.1056/NEJM199710163371603](#)

A comparison of reteplase with alteplase for acute myocardial infarction. The Global Use of Strategies to Open Occluded Coronary Arteries (GUSTO III) Investigators. *N Engl J Med* 1997;337:1118-23 [[9340503](#)]

### **RAPID-2, 1996:**

Bode C, Smalling RW, Berg G, Burnett C, Lorch G, Kalbfleisch JM, Chernoff R, Christie LG, Feldman RL, Seals AA, Weaver WD Randomized comparison of coronary thrombolysis achieved with double-bolus reteplase (recombinant plasminogen activator) and front-loaded, accelerated alteplase (recombinant tissue plasminogen activator) in patients with acute myocardial infarction. The RAPID II Investigators. *Circulation* 1996;94:891-8 [[8790022](#)]

### **INJECT, 1995:**

Randomised, double-blind comparison of reteplase double-bolus administration with streptokinase in acute myocardial infarction (INJECT): trial to investigate equivalence. *International Joint Efficacy Comparison of Thrombolytics Lancet* 1995;346:329-36 [[7623530](#)]

Entry terms: reteplase, Retavase, Rapilysin, abciximab