

Clinical trials of tenecteplase

TrialResults-center www.trialresultscenter.org

1 acute myocardial infarction

Trial	Treatments	Patients	Trials design and methods
Eptifibatide + tenecteplase vs primary intervention			
ADVANCE-MI , 2005 n=69/77 follow-up: 30 days	-	symptom duration <4h	
tenecteplase vs accelerated t-PA			
ASSENT-2 , 1999 n=8461/8488 follow-up: 30d	Tenecteplase en IV bolus (dose en fonction du poids: 30 mg si <60 kg; 35 mg si poids entre 60 et 69.9 kg; 40 mg pour les 80-89.9 kg; 50 mg si >ou = 90 kg versus Alteplase en IV, bolus de 15 mg, puis 0.75 mg/kg (sans dpasser 50 mg) en 30 min puis 0.50 mg/kg (sans dpasser 35 mg) en 60 min	patients with acute myocardial infarction of less than 6 h duration	Parallel groups double blind 29 countries
tenecteplase vs primary intervention			
GRACIA (Fernandez-Aviles) , 2004 n=104/108 follow-up: 30-day	facilitated PCI with bodyweight-adjusted intravenous tenecteplase bolus: 30 mg of drug if bodyweight <60 kg, 35 mg if 60-69 kg, 40 mg if 70-79 kg, 45 mg if 80-89 kg, and 50 mg if >=90 kg and Abciximab; 0.25 mg/kg intravenous bolus, 0.125 g/kg per min infusi versus primary intervention	symptom duration <12h	

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

ADVANCE-MI, 2005:

Facilitated percutaneous coronary intervention for acute ST-segment elevation myocardial infarction: results from the prematurely terminated ADDRESSING the Value of facilitated ANgioplasty after Combination therapy or Eptifibatide monotherapy in acute Myocardial Infarction (ADVANCE MI) trial. Am Heart J 2005;150:116-22 [16084157]

ASSENT-2, 1999:

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GRACIA (Fernandez-Aviles,), 2004:

Fernandez-Aviles F, Alonso JJ, Castro-Beiras A, et al. Primary versus facilitated percutaneous coronary intervention (tenecteplase plus stenting) in patients with ST-elevated myocardial infarction: the final results of the GRACIA-2 randomized trial Eur Heart J 2004; 25 (suppl): 33 (abstrg)

2 pulmonary embolism

Trial	Treatments	Patients	Trials design and methods
tenecteplase vs placebo			
PEITHO <i>ongoing</i> [NCT00639743] n=NA follow-up: 7 days	tenecteplase (single i.v. bolus) versus placebo	patients with sub-massive pulmonary embolism	Parallel groups double-blind

More details and results :

- fibrinolysis for pulmonary embolism in all type of patients at <http://www.trialresultscenter.org/go-Q110>

References

PEITHO, :

ongoing trial NCT00639743

Single-bolus tenecteplase plus heparin compared with heparin alone for normotensive patients with acute pulmonary embolism who have evidence of right ventricular dysfunction and myocardial injury: rationale and design of the Pulmonary Embolism Thrombolysis (PEITHO) trial. Am Heart J 2012;163:33-38.e1 [22172434] [10.1016/j.ahj.2011.10.003](https://doi.org/10.1016/j.ahj.2011.10.003)

3 cardiac arrest

Trial	Treatments	Patients	Trials design and methods
tenecteplase vs placebo			
TROICA , 2008 [NCT00157261] n=525/525 follow-up: 30 days	tenecteplase (dose according to estimated body weight) versus placebo	adults with witnessed out-of-hospital cardiac arrest of presumed cardiac origin and with initiation of basic or advanced life support within 10 minutes after collapse	Parallel groups double blind Europe
TICA , 2004 n=19/16 follow-up:	tenecteplase 50 mg versus placebo	All victims of out of hospital cardiac arrest	Parallel groups double blind Australia

More details and results :

- fibrinolysis for cardiac arrest in all type of patients at <http://www.trialresultscenter.org/go-Q239>

References

TROICA, 2008:

Bttiger BW, Arntz HR, Chamberlain DA, Bluhmki E, Belmans A, Danays T, Carli PA, Adgey JA, Bode C, Wenzel V Thrombolysis during Resuscitation for Out-of-Hospital Cardiac Arrest. N Engl J Med 2008 Dec 18;359:2651-2662 [19092151] 10.1056/NEJMoa070570

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TICA, 2004:

Fatovich DM, Dobb GJ, Clugston RA A pilot randomised trial of thrombolysis in cardiac arrest (The TICA trial). Resuscitation 2004;61:309-13 [15172710]

Entry terms: tenecteplase, Metalyse, TNKase