Clinical trials of antiplatelets drug for acute coronary syndrome in STEMI patients

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1 P2Y12 receptor antagonist

Trial	Treatments	Patients	Trials design and methods
elinogrel vs error			
INNOVATE *ongoing* [NCT00751231] n=NA follow-up:	-	-	
elinogrel vs placebo			
ERASE-MI , 2009 n=34/36 follow-up: 30-37 days	elinogrel 10, 20, 40, or 60 mg as a single intravenous bolus versus placebo	STEMI patients	Parallel groups double blind

References

INNOVATE, :

ERASE-MI, 2009:

Berger JS, Roe MT, Gibson CM, Kilaru R, Green CL, Melton L, Blankenship JD, Metzger DC, Granger CB, Gretler DD, Grines CL, Huber K, Zeymer U, Buszman P, Harrington RA, Armstrong PW Safety and feasibility of adjunctive antiplatelet therapy with intravenous elinogrel, a direct-acting and reversible P2Y12 ADP-receptor antagonist, before primary percutaneous intervention in patients with ST-elevation myocardial infarction: the Early Rapid ReversAl of platelet thromboSis with intravenous Elinogrel before PCI to optimize reperfusion in acute Myocardial Infarction (ERASE MI) pilot trial. Am Heart J 2009;158:998-1004.e1 [19958867]

2 platelet aggregation inhibitors

Trial	Treatments	Patients	Trials design and methods
aspirin vs control			
Huddinge , 1988 n=10/10 follow-up: 30d (12m)	aspirin 500mg/d starting 12 h after admissionand and then intermittently every third day for one month versus no aspirin	patients with acute myocardial infarction	Parallel groups open
Frankfurt , 1976 n=25/28 follow-up: 14d	-	-	Parallel groups

continued...

Trial	Treatments	Patients	Trials design and methods
dazoxiben vs control			
Jones , 1987 n=60/60 follow-up: 1m	-	-	Parallel groups
GR3219B vs control			
GRAND , 1987 n=63/64 follow-up: 1m	-	-	Parallel groups
misc. vs control			
Gent-AMI , 1968 n=60/60 follow-up: 28d	-	-	Parallel groups
Johannessen , 1989 n=11/9 follow-up: 14d	-	-	Parallel groups
sulfinpyrazone vs control			
Dutch sulphinpyrazone , 1986 n=50/50 follow-up: 21d	-	-	Parallel groups
ticlopidine vs control			
Knudsen-A , 1985 n=24/19 follow-up: 3m	ticlopidine 500mg/d versus placebo	patients with AMI	Parallel groups double blind
aspirin vs placebo			
ISIS-pilot , 1987 n=313/306 follow-up: 1m	aspirin (325 mg on alternate days for 28 days) versus placebo	suspected acute myocardial infarction	Parallel groups double blind
ISIS-2 , 1988 n=8587/8600 follow-up: 35d	160 mg/day enteric-coated aspirin for one month versus placebo	suspected acute myocardial up to 24h	Parallel groups double blind
Dutch-aspirin , 1990 n=50/50 follow-up: 3m	aspirin (100 mg/day) for 3 months versus placebo	patients with first anterior wall AMI	Parallel groups double blind
APRICOT , 1993 n=107/95 follow-up: 3m	325 mg aspirin daily with discontinuation of heparin versus placebo	Patients treated with intravenous thrombolytic therapy followed by intravenous heparin and with patent infarct-related artery demonstrated at angiography within 48 hours	Parallel groups double blind The Netherlands
clopidogrel vs placebo			
CLARITY-TIMI 28 , 2005 n=NA follow-up: 30 days	clopidogrel (300-mg loading dose, followed by 75 mg once daily) versus placebo	patients, 18 to 75 years of age, within 12 hours after the onset of an ST-elevation myocardial infarction	double blind

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Trial	Treatments	Patients	Trials design and methods
COMMIT , 2005 [NCT00222573] n=22961/22891 follow-up: until discharge or up to 4 wee	clopidogrel 75 mg daily versus placebo	patients admitted to hospital within 24 h of suspected acute MI onset	Parallel groups double-blind
flurbiprofen vs placebo			
French , 1993 n=234/230 follow-up: 6m	flurbiprofen 50 mg twice daily versus placebo	patients successfully treated for acute MI by thrombolysis and/or coronary angioplasty within 6 h of onset of symptoms	Parallel groups double blind
sulfinpyrazone vs placebo			
Wilcox , 1980 n=49/49 follow-up: 10d	Sulphinpyrazone 200 mg four times daily versus placebo	patients with acute myocardial infarction	Parallel groups
Louvain sulphinpyrazone , 1983 n=15/14 follow-up: 7d	sulphinpyrazone, 4 x 200 mg daily for 7 days versus placebo	recent myocardial infarction	Parallel groups double blind

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Rasmanis G, Vesterqvist O, Gren K, Edhag O, Henriksson P Effects of intermittent treatment with aspirin on thromboxane and prostacyclin formation in patients with acute myocardial infarction. Lancet 1988;2:245-7 [2899236]

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3 About TrialResults-center.org

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