

Clinical trials of calcium channel blockers for acute myocardial infarction in acute short term and post MI studies

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1 acute and long term calcium blockers

Trial	Treatments	Patients	Trials design and methods
nifedipine vs placebo			
SPRINT II , 1993 n=682/676 follow-up: 6 months	Nifedipine 20mgx3 started within 3hr of hospital admission for 6 months versus placebo	men and women with suspected acute MI	Parallel groups Double blind Israel
Sirnes , 1984 n=112/115 follow-up: 42 days	Nifedipine 5x10mg versus placebo	patients with suspected acute myocardial infarction	Parallel groups double blind
Gottlieb , 1988 n=64/68 follow-up: 42 days	Nifedipine 10 to 30mgx4 versus placebo	-	Parallel groups double blind
Eisenberg , 1985 n=25/25 follow-up: 12 days	Nifedipine 20mgx4 versus placebo	patients with nontransmural myocardial infarction	Parallel groups double blind
Bradagan , 1986 n=60/61 follow-up: 2 days	Nifedipine 10mgx4 versus placebo	patients with suspected acute myocardial infarction within 6hrs	Parallel groups double blind
Loogna , 1985 n=23/34 follow-up:	Nifedipine 4x10mg versus placebo	patients with acute myocardial infarction within 6 h from onset of symptoms	Parallel groups double blind
TRENT (Wilcox) , 1986 n=2240/2251 follow-up: 28 days	Nifedipine 4x10mg versus placebo	patients with suspected myocardial infarction	Parallel groups double blind
Walker , 1988 n=217/217 follow-up:	Nifedipine 6x10mg for 48hrs versus placebo	patients with suspected myocardial infarction within six hours from the onset of chest pain	Parallel groups double blind
Jaffe , 1987 n=13/9 follow-up: 7 days	Nifedipine 6x20mg versus placebo	patients with acute myocardial infarction	Parallel groups single blind
Erbel , 1988 n=74/75 follow-up: hospital stay	Nifedipine 20mgx3 versus placebo	patients with acute myocardial infarction	Parallel groups double blind
SPRINT I , 1988 n=1130/1146 follow-up: 1 year	Nifedipine 10mgx3 versus placebo	patient surviving MI 7 and 21 days after admission	Parallel groups Double blind Israel

continued...

Trial	Treatments	Patients	Trials design and methods
verapamil vs placebo			
DAVIT I , 1984 n=1751/1747 follow-up: 6 months	verapamil 120mgx3 versus placebo	-	Parallel groups Double blind Danish
Crea , 1985 n=8/9 follow-up: 10 days	verapamil 80mgx3 versus placebo	patients admitted to the coronary care unit with transmural acute myocardial infarction	Parallel groups single blind
CRIS , 1996 n=531/542 follow-up: 23.5 months	verapamil retard 360 mg daily versus placebo	patients admitted for acute myocardial infarction	Parallel groups Double blind Italy
DAVIT II , 1990 n=878/897 follow-up: 16 months	verapamil 120mgx3 for 18 months versus placebo	patients <76years with diagnosis of acute MI	Parallel groups Double blind Danish
Danish study , 1984 n=1729/1718 follow-up: 12 months	verapamil 0.1mg/kg IV plus 3x120mg orally versus placebo	patients under 75 years of age admitted to the CCU with a suspicion of acute myocardial infarction	Parallel groups double blind Danish

References

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2 acute short term calcium blockers

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diltiazem vs			
Machecourt , 1986 n=38/37 follow-up: 21 days	-	-	Parallel groups single blind

continued...

Trial	Treatments	Patients	Trials design and methods
nifedipine vs			
Muller , 1984 n=93/88 follow-up: 14 days	-	-	Parallel groups double blind
Gordon , 1984 n=13/13 follow-up: 1 day	-	-	Parallel groups single blind
MI study group , 1979 n=904/888	-	-	Parallel groups open
Tiapamil vs control			
Eichler , 1985 n=16/16 follow-up:	Tiapamil 0.5-1 mg/kg plus 25mg/kg/min IV versus no treatment	-	Parallel groups double blind
verapamil vs control			
Bussman , 1984 n=29/25 follow-up: 2 days	Verapamil 5 to 10 mg/h IV versus no treatment	-	Parallel groups open
diltiazem vs placebo			
Gibson , 1986 n=287/289 follow-up: 14 days	Diltiazem 90mgx4 versus placebo	-	Parallel groups double blind
Zannad , 1988 n=17/17 follow-up:	Diltiazem 10-20mg/h IV, 4x60mg orraly versus placebo	-	Parallel groups double blind
MDPIT , 1988 n=1234/1232 follow-up: 25 months (at least 12 months)	Diltiazem 60mgx4 versus placebo	Patient aged 25 to 75 years, admitted to coronary care units with a documented acute myocardial infarction	Parallel groups Double blind US, Canada
nifedipine vs placebo			
SPRINT II , 1993 n=682/676 follow-up: 6 months	Nifedipine 20mgx3 started within 3hr of hopsital admission for 6 months versus placebo	men and women with suspected acute MI	Parallel groups Double blind Israel
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TRENT (Wilcox) , 1986 n=2240/2251 follow-up: 28 days	Nifedipine 4x10mg versus placebo	patients with suspected myocardial infarction	Parallel groups double blind
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4 About TrialResults-center.org

TrialResults-center is an innovative knowledge database that collects the results of RCTs and provides dynamic interactive systematic reviews and meta-analysis in the field of all major heart and vessels diseases.

The TrialResults-center database provides a unique view of the treatment efficacy based on all data provided directly from clinical trial results, offering a valuable alternative to personal bibliographic search, published meta-analysis, etc. Furthermore, it would allow comparing easily the various concurrent therapeutic for the same clinical condition.

Rigorous meta-analysis method is used to populate TrialResults-center: widespread search of published and non published trials, study selection using pre-specified criteria, data extraction using standard form.

TrialResults-center is continually updated on a weekly basis. We continually search all new results (whatever their publication channel) and these news results are immediately added to the database with a maximum of 1 week.

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