

# Clinical trials of calcium channel blockers for acute myocardial infarction in long term studies

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## 1 acute and long term calcium blockers

Trial	Treatments	Patients	Trials design and methods
<b>nifedipine vs placebo</b>			
<b>SPRINT II , 1993</b> 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
<b>SPRINT I , 1988</b> 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
<b>verapamil vs placebo</b>			
<b>DAVIT I , 1984</b> n=1751/1747 follow-up: 6 months	verapamil 120mgx3 versus placebo	-	Parallel groups Double blind Danish
<b>DAVIT II , 1990</b> 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
<b>CRIS , 1996</b> 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
<b>Danish study , 1984</b> 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

### SPRINT II, 1993:

Goldbourt U, Behar S, Reicher-Reiss H, Zion M, Mandelzweig L, Kaplinsky E Early administration of nifedipine in suspected acute myocardial infarction. The Secondary Prevention Reinfarction Israel Nifedipine Trial 2 Study Arch Intern Med 1993;153:345-53 [[8285927](#)]

### SPRINT I, 1988:

Secondary prevention reinfarction Israeli nifedipine trial (SPRINT). A randomized intervention trial of nifedipine in patients with acute myocardial infarction. The Israeli Sprint Study Group Eur Heart J 1988;9:354-64 [[2898363](#)]

Disegni E, Goldbourt U, Reicher-Reiss H, Kaplinsky E, Zion M, Boyko V, Behar S The predictive value of admission heart rate on mortality in patients with acute myocardial infarction. SPRINT Study Group. Secondary Prevention Reinfarction Israeli Nifedipine Trial J Clin Epidemiol 1995;48:1197-205 [7561981]

**DAVIT I, 1984:**

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Hansen JF Treatment with verapamil after an acute myocardial infarction. Review of the Danish studies on verapamil in myocardial infarction (DAVIT I and II) Drugs 1991;42 Suppl 2:43-53 [1718701]

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Ferrara N Giorn geront 1996;44:577-583

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## 2 long term calcium blockers

Trial	Treatments	Patients	Trials design and methods
<b>nifedipine vs</b>			
MI study group , 1979 n=904/888	-	-	Parallel groups open
<b>diltiazem vs placebo</b>			
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
<b>nifedipine vs placebo</b>			
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
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
<b>verapamil vs placebo</b>			

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### 3 About TrialResults-center.org

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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.

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