

# 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><br>n=682/676<br>follow-up: 6 months       | Nifedipine 20mgx3 started within 3hr of hospital admission for 6 months<br>versus<br>placebo | men and women with suspected acute MI  | Parallel groups<br>Double blind<br>Israel |
| <b>SPRINT I , 1988</b><br>n=1130/1146<br>follow-up: 1 year        | Nifedipine 10mgx3<br>versus<br>placebo   | patient surviving MI 7 and 21 days after admission   | Parallel groups<br>Double blind<br>Israel |
| <b>verapamil vs placebo</b>                                       |  |  |   |
| <b>DAVIT I , 1984</b><br>n=1751/1747<br>follow-up: 6 months       | verapamil 120mgx3<br>versus<br>placebo   | -  | Parallel groups<br>Double blind<br>Danish |
| <b>DAVIT II , 1990</b><br>n=878/897<br>follow-up: 16 months       | verapamil 120mgx3 for 18 months<br>versus<br>placebo   | patients <76years with diagnosis of acute MI   | Parallel groups<br>Double blind<br>Danish |
| <b>CRIS , 1996</b><br>n=531/542<br>follow-up: 23.5 months         | verapamil retard 360 mg daily<br>versus<br>placebo   | patients admitted for acute myocardial infarction  | Parallel groups<br>Double blind<br>Italy  |
| <b>Danish study , 1984</b><br>n=1729/1718<br>follow-up: 12 months | verapamil 0.1mg/kg IV plus 3x120mg orally<br>versus<br>placebo                               | patients under 75 years of age admitted to the CCU with a suspicion of acute myocardial infarction | Parallel groups<br>double blind<br>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](#)]

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**DAVIT I, 1984:**

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## 2 long term calcium blockers

| Trial   | Treatments  | Patients   | Trials design and methods                     |
|---|---|--|---|
| <b>nifedipine vs</b>  |   |  |   |
| MI study group , 1979<br>n=904/888  | -   | -  | Parallel groups<br>open                       |
| <b>diltiazem vs placebo</b>   |   |  |   |
| MDPIT , 1988<br>n=1234/1232<br>follow-up: 25 months (at least<br>12 months) | Diltiazem 60mgx4<br>versus<br>placebo   | Patient aged 25 to 75 years, admitted to<br>coronary care units with a documented acute<br>myocardial infarction | Parallel groups<br>Double blind<br>US, Canada |
| <b>nifedipine vs placebo</b>  |   |  |   |
| SPRINT II , 1993<br>n=682/676<br>follow-up: 6 months                        | Nifedipine 20mgx3 started within 3hr of<br>hopsital admission for 6 months<br>versus<br>placebo | men and women with suspected acute MI  | Parallel groups<br>Double blind<br>Israel     |
| SPRINT I , 1988<br>n=1130/1146<br>follow-up: 1 year                         | Nifedipine 10mgx3<br>versus<br>placebo  | patient surviving MI 7 and 21 days after<br>admission  | Parallel groups<br>Double blind<br>Israel     |
| <b>verapamil vs placebo</b>   |   |  |   |

continued...

| Trial   | Treatments   | Patients   | Trials design and methods                 |
|---|--|--|---|
| <b>DAVIT I , 1984</b><br>n=1751/1747<br>follow-up: 6 months       | verapamil 120mgx3<br>versus<br>placebo                         | -  | Parallel groups<br>Double blind<br>Danish |
| <b>DAVIT II , 1990</b><br>n=878/897<br>follow-up: 16 months       | verapamil 120mgx3 for 18 months<br>versus<br>placebo           | patients <76years with diagnosis of acute MI   | Parallel groups<br>Double blind<br>Danish |
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