

Clinical trials of isosorbide mononitrate

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1 acute myocardial infarction

Trial	Treatments	Patients	Trials design and methods
isosorbide mononitrate vs placebo			
Fitzgerald , 1990 n=184/176 follow-up: 6 mo	oral isosorbide 5-mononitrate (ISMN) for 5 days versus placebo	patients with suspected acute myocardial infarction	Parallel groups double blind England
Hargreaves , 1992 n=33/18 follow-up: 28 days	20 mg of isosorbide mononitrate three times daily for 28 days versus placebo	patients with acute myocardial infarction (systolic blood pressure >90 mm Hg) within 24 hours of the start of pain	Parallel groups double blind
ISIS-4 , 1995 n=29018/29032 follow-up: 5 weeks	oral controlled-release mononitrate 30 mg initial dose titrated up to 60 mg once daily for 1 month versus placebo	patients with suspected acute myocardial infarction up to 24h	Parallel groups double blind worldwide

More details and results :

- nitrates for acute myocardial infarction in all type of patients at <http://www.trialresultscenter.org/go-Q144>

References

Fitzgerald, 1990:

Fitzgerald LJ, Bennett ED The effects of oral isosorbide 5-mononitrate on mortality following acute myocardial infarction: a multicentre study. Eur Heart J 1990;11:120-6 [[2178930](#)]

Hargreaves, 1992:

Hargreaves AD, Kolettis T, Jacob AJ, Flint LL, Turnbull LW, Muir AL, Boon NA Early vasodilator treatment in myocardial infarction: appropriate for the majority or minority? Br Heart J 1992;68:369-73 [[1449918](#)]

ISIS-4, 1995:

ISIS-4: a randomised factorial trial assessing early oral captopril, oral mononitrate, and intravenous magnesium sulphate in 58,050 patients with suspected acute myocardial infarction. ISIS-4 (Fourth International Study of Infarct Survival) Collaborative Group. Lancet 1995;345:669-85 [[7661937](#)]

Flather M, Pipilis A, Collins R, Budaj A, Hargreaves A, Kolettis T, Jacob A, Millane T, Fitzgerald L, Cedro K Randomized controlled trial of oral captopril, of oral isosorbide mononitrate and of intravenous magnesium sulphate started early in acute myocardial infarction: safety and haemodynamic effects. ISIS-4 (Fourth International Study of Infarct Survival) Pilot Study Investigators. Eur Heart J 1994;15:608-19 [[8055999](#)]

Entry terms: isosorbide dinitrate