

Clinical trials of Propranolol

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1 acute myocardial infarction

Trial	Treatments	Patients	Trials design and methods
Propranolol vs control			
Aronow , 1997 n=79/79 follow-up: 1 year	Propranolol 30 mg 3 times daily versus no propranolol	patients >=62 years of age with New York Heart Association functional class II or III CHF, prior Qwave myocardial infarction, and a LV ejection fraction <40% after 2 months of treatment with diuretics and ACE inhibitors	Parallel groups USA
Propranolol vs placebo			
Balcon , 1966 n=56/58 follow-up: 28 days	-	-	Double
Barber , 1976 n=52/47 follow-up: 4 weeks	-	-	No
Hutton , 1979 n=16/13 follow-up: 2 days	-	-	Unclear
Clausen , 1966 n=66/64 follow-up: 14 days	-	-	Unclear
Baber , 1980 n=355/365 follow-up: 9 months	Propranolol 40 mg three times a day versus placebo	Men and women with anterior MI	Parallel groups Double blind Europe
Curtis , 1991 n=18/12 follow-up: 3.4 days	Propranolol 240mg/d versus placebo	patients with recent infarction	Double
Dotremont , 1968 n=36/36 follow-up: 36 weeks	-	-	No

continued...

Trial	Treatments	Patients	Trials design and methods
BHAT , 1982 [NCT00000492] n=1916/1921 follow-up: 25 months	Propranolol 180 or 240 mg/day versus placebo	mean and women who has experienced at least one MI	Parallel groups Double blind USA
Hansteen , 1982 n=278/282 follow-up: 1 year	Propranolol 40mg four times a day versus placebo	high-risk patients who survived acute myocardial infarction	Parallel groups Double blind Norway
Gupta , 1982 n=25/25 follow-up: Unclear	-	-	Unclear
Gupta , 1984 n=15/15 follow-up: 72 hours	-	-	No
Kahler , 1968 n=38/31 follow-up: Up to 35 days	-	-	Double
Ledwich , 1968 n=40/40 follow-up: 7 days	-	-	Double
Mueller , 1980 n=35/35 follow-up: To discharge	-	-	Double
Multicentre , 1966 n=100/95 follow-up: 28 days	-	-	Double
Nigam , 1983 n=20/20 follow-up: 1 week	-	-	Unclear
Norris , 1968 n=226/228 follow-up: 3 weeks	-	-	Double
Norris , 1978 n=20/23 follow-up: To discharge	-	-	No
Norris , 1984 n=364/371 follow-up: In hospital	-	-	No

continued...

Trial	Treatments	Patients	Trials design and methods
Peter , 1978 n=47/48 follow-up: To discharge	-	-	No
Pitt , 1976 n=9/8 follow-up: 14 days	-	-	Double
Roberts , 1984 n=134/135 follow-up: 36 months	-	-	Single
Singh , 1985 n=8/7 follow-up: 60 hours	-	-	No
Sloman , 1967 n=26/23 follow-up: To discharge	-	-	No
Propranolol or atenolol vs placebo			
Wilcox , 1980 n=259/129 follow-up: 1 year	Propranolol 40 mg three times daily(initial dose intravenously) n=132 or atenolol 50 mg twice daily n=127 versus placebo	patients with acute MI within the past 24 hours	Parallel groups Double blind UK

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More details and results :

- beta-blockers for acute myocardial infarction in immediate beta-blockers at <http://www.trialresultscenter.org/go-Q41>
- beta-blockers for acute myocardial infarction in long term beta-blockers at <http://www.trialresultscenter.org/go-Q42>

References

Aronow , 1997:

Aronow WS, Ahn C, Kronzon I Effect of propranolol versus no propranolol on total mortality plus nonfatal myocardial infarction in older patients with prior myocardial infarction, congestive heart failure, and left ventricular ejection fraction \leq or = 40

Balcon , 1966:

Balcon R, Jewitt DE, Davies JP, Oram S A controlled trial of propranolol in acute myocardial infarction. Lancet 1966;2:918-20 [4162365]

Barber , 1976:

Barber JM, Boyle DM, Chaturvedi NC, Singh N, Walsh MJ Propranolol in acute myocardial infarction. Acta Med Scand Suppl 1976;587:213-9 [130058]

Hutton , 1979:

Hutton I, Vallance BD, Beattie JMp, imag A prospective randomized trial of propranolol in acute myocardial infarction.g Excerta Med Inst Congr Ser 1979;2:824-6.

Clausen , 1966:

Baber , 1980:

Baber NS, Evans DW, Howitt G, Thomas M, Wilson T, Lewis JA, Dawes PM, Handler K, Tuson R Multicentre post-infarction trial of propranolol in 49 hospitals in the United Kingdom, Italy, and Yugoslavia *Br Heart J* 1980;44:96-100 [7000100]

Curtis , 1991:

Curtis JL, Houghton JL, Patterson JH, Koch G, Bradley DA, Adams KF Jr Propranolol therapy alters estimation of potential cardiovascular risk derived from submaximal postinfarction exercise testing. *Am Heart J* 1991 Jun;121:1655-64 [2035380]

Dotremont , 1968:

Dotremont G, De Geest H The use of propranolol (inderal) in acute myocardial infarction. *Acta Clin Belg* 1968;23:163-76 [4890367]

BHAT , 1982:

A randomized trial of propranolol in patients with acute myocardial infarction. I. Mortality results *JAMA* 1982;247:1707-14 [7038157]

A randomized trial of propranolol in patients with acute myocardial infarction. II. Morbidity results *JAMA* 1983;250:2814-9 [6358542]

Lampert R, Ickovics JR, Viscoli CJ, Horwitz RI, Lee FA Effects of propranolol on recovery of heart rate variability following acute myocardial infarction and relation to outcome in the Beta-Blocker Heart Attack Trial *Am J Cardiol* 2003;91:137-42 [12521623]

Hansteen , 1982:

Hansteen V, Moinichen E, Lorentsen E, Andersen A, Strom O, Soiland K, Dyrbekk D, Refsum AM, Tromsdal A, Knudsen K, Eika C, Bakken J Jr, Smith P, Hoff PI One year's treatment with propranolol after myocardial infarction: preliminary report of Norwegian multicentre trial *Br Med J (Clin Res Ed)* 1982;284:155-60 [6799077]

Gupta , 1982:

Gupta RC, Sharma SK, Mittal SRtm Effect of oral propranolol on the extent of acute anterior myocardial infarction. Abstracts of the ninth world congress on cardiology, Moscow

Gupta , 1984:

Gupta RC, Butaney B, Narang NKtm Effect of iv propranolol on the extent of myocardial ischemic injury in patients of acute anterior myocardial infarction (AAMI) *J Assoc Physicians India* 1984;32:67-8.

Kahler , 1968:

Kahler RL, Brill SJ, Perkins WEm The role of propranolol in the management of acute myocardial infarction. In: Kattus AA, Ross G, Hall YE, eds. Cardiovascular adrenergic responses. Los Angeles, CA: California Press, 1968:213-22

Ledwich , 1968:

Ledwich JR A trial of propranolol in myocardial infarction. *Can Med Assoc J* 1968 May 25;98:988-94 [4174139]

Mueller , 1980:

Mueller HS, Ayres SM Propranolol decreases sympathetic nervous activity reflected by plasma catecholamines during evolution of myocardial infarction in man. *J Clin Invest* 1980 Feb;65:338-46 [7356683]

Multicentre , 1966:

Propranolol in acute myocardial infarction. A multicentre trial. *Lancet* 1966;2:1435-8 [4163441]

Nigam , 1983:

Nigam PD, Popli R, Charan Sxbitm Cardioprotection by -blockade in acute myocardian infarction Abstracts of the ninth world congress of cardiology, Moscow. 1983;2:616

Norris , 1968:

Norris RM, Clarke ED, Sammel NL, Smith WM, Williams B Protective effect of propranolol in threatened myocardial infarction. *Lancet* 1978;2:907-9 [81925]

Norris , 1978:

Norris RM, Clarke ED, Sammel NL, Smith WM, Williams B Protective effect of propranolol in threatened myocardial infarction. *Lancet* 1978;2:907-9 [81925]

Norris , 1984:

Norris RM, Barnaby PF, Brown MA, Geary GG, Clarke ED, Logan RL, Sharpe DN Prevention of ventricular fibrillation during acute myocardial infarction by intravenous propranolol. *Lancet* 1984 Oct 20;2:883-6 [6148617]

Peter , 1978:

Peter T, Norris RM, Clarke ED, Heng MK, Singh BN, Williams B, Howell DR, Ambler PK Reduction of enzyme levels by propranolol after acute myocardial infarction. *Circulation* 1978 Jun;57:1091-5 [639229]

Pitt , 1976:

Pitt B, Weiss JL, Schulze RA, Taylor DR, Kennedy HL, Caralis D. Reduction of myocardial infarct extension in man by propranolol *Circulation* 1976;29(suppl 2):53-4 imag

Roberts , 1984:

Roberts R, Croft C, Gold HK, Hartwell TD, Jaffe AS, Muller JE, Mullin SM, Parker C, Passamani ER, Poole WK Effect of propranolol on myocardial-infarct size in a randomized blinded multicenter trial. *N Engl J Med* 1984 Jul 26;311:218-25 [6377070]

Singh , 1985:

Singh S, Saxena PC, Shukla SK. Intravenous propranolol in acute myocardial infarction *Indian J Clinician* 1985;49:384-91.

Sloman , 1967:

Sloman G, Stannard M Beta-adrenergic blockade and cardiac arrhythmias. *Br Med J* 1967;4:508-12 [6065983]

Wilcox , 1980:

Wilcox RG, Roland JM, Banks DC, Hampton JR, Mitchell JR Randomised trial comparing propranolol with atenolol in immediate treatment of suspected myocardial infarction *Br Med J* 1980;280:885-8 [6992916]

2 hypertension

Trial	Treatments	Patients	Trials design and methods
propranolol vs bendroflumethiazide			
Berglund , 1986 n=NA follow-up: 10y	Propranolol versus Bendroflumethiazide.	patients 21 to 70 years with essential hypertension (sitting diastolic blood pressures 100-120 mm Hg)	

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More details and results :

- anti hypertensive agents for hypertension in all type of patient at <http://www.trialresultscenter.org/go-Q13>
- anti hypertensive agents for hypertension in uncomplicated hypertension at <http://www.trialresultscenter.org/go-Q685>

References

Berglund, 1986:

Buhler FR, Berglund G, Anderson OK, Brunner HR, Scherrer U, van Brummelen P, Distler A, Philipp T, Fogari R, Mimran A Double-blind comparison of the cardioselective beta-blockers bisoprolol and atenolol in hypertension: the Bisoprolol International Multicenter Study (BIMS). *J Cardiovasc Pharmacol* 1986;8 Suppl 11:S122-7 [2439782]

Entry terms: propranolol