

Clinical trials of Metoprolol

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1 acute myocardial infarction

Trial	Treatments	Patients	Trials design and methods
Metoprolol vs placebo			
LIT Research Group , 1987 n=1195/1200 follow-up: 18 months	Metoprolol 100 mg bid versus placebo	patients, 45 to 74 years of age, surviving a recent acute MI	Parallel groups Double blind USA
Hjalmarson , 1981 n=698/697 follow-up: 2 years	Metoprolol 100mg twice daily (initial dose intravenously) versus placebo	patients aged between 40 -74 years with suspected MI and onset of infarction within the previous 48h	Parallel groups Double blind Sweden
Manger Cats , 1983 n=273/280 follow-up: 1 year	Metoprolol 100mg twice daily versus placebo	MI, NYHA Class I or II and <=70 y	Parallel groups Double blind Netherlands
Rehnqvist , 1983 n=154/147 follow-up: 36 months	Metoprolol 100mg twice daily versus placebo	AMI patients <70 years in sinus rhythm without complete BBB	Parallel groups Double blind Sweden
Salathia , 1985 n=416/384 follow-up: 1 year	Metoprolol 100 mg twice daily for one year (initial dose intravenously) versus placebo	patients with acute myocardial infarction	Parallel groups Double blind UK
Practololometoprolol vs placebo			
Waagstein , 1975 n=38/45 follow-up: 1 week	-	-	Double

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>

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2 heart failure

Trial	Treatments	Patients	Trials design and methods
metoprolol vs placebo			

continued...

Trial	Treatments	Patients	Trials design and methods
Engelmeier , 1985 n=9/16 follow-up: 12 mo	metoprolol versus placebo	NYHA 2-4, IDC	
BEST (elderly subgroup) , 2001 n=1092	Metoprolol versus placebo	Upper tertile age	
MDC (Waagstein) , 1993 n=194/189 follow-up: 18 months	metoprolol target dose 100-150 mg daily (dose divided into two or three per day) versus placebo	patient with heart failure due to idiopathic dilated cardiomyopathy (NYHA 1-3) and EF<40%	Parallel groups Double blind Europe, North America
Fisher , 1994 n=25/25 follow-up: 6 mo	metoprolol versus placebo	NYHA 3-4, CAD	
Eichhorn , 1994 n=15/9 follow-up: 3 mo	metoprolol versus placebo	NYHA 2-3, IDC	
MERIT-HF , 1999 n=1990/2001 follow-up: 1 y	metoprolol CR/XL at target dose of 200 mg once daily versus placebo	patients with chronic heart failure in New York Heart Association (NYHA) functional class III/IV and with ejection fraction of 0.40 or less, stabilised with optimum standard therapy	Parallel groups Double blind USA and Europe
RESOLVD , 2000 n=214/212 follow-up: 6 mo	metoprolol CR 200 mg/d versus placebo	CHF of mixed causes, patients with symptomatic CHF(NYHA II to IV), a 6-minute walk distance of <500 m, and an LV ejection fraction (EF) of<40%	Parallel groups Double aveugle

More details and results :

- beta-blockers for heart failure in all type of heart failure at <http://www.trialresultscenter.org/go-Q44>
- beta-blockers for heart failure in elderly patients at <http://www.trialresultscenter.org/go-Q119>

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3 atrial fibrillation

Trial	Treatments	Patients	Trials design and methods
metoprolol vs placebo			
Kuhlkamp , 2000 n=197/197 follow-up: 6 months	Metoprolol 100 mg/d versus placebo	Persistent AF lasting 2 days to 1 year	Parallel groups double blind

More details and results :

- antiarrhythmic drugs for atrial fibrillation in maintaining sinus rhythm after cardioversion at <http://www.trialresultscenter.org/go-Q113>

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4 diabetes type 2

Trial	Treatments	Patients	Trials design and methods
metoprolol vs placebo			
MERIT-HF , 2005 n=495/490 follow-up: 1y	metoprolol CR/XL versus placebo	patients with CHF NYHA classe 2 to 4 and EF<=40% sub group of diabetic patients	Parallel groups double-blind USA and Europe

More details and results :

- anti hypertensive agents for diabetes type 2 in patients with or without hypertension at <http://www.trialresultscenter.org/go-Q414>

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