

# Clinical trials of Carvedilol

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## 1 acute myocardial infarction

Trial	Treatments	Patients	Trials design and methods
<b>Carvedilol vs placebo</b>			
<a href="#">Basu , 1997</a> n=77/74 follow-up: 6 months	Carvedilol target dose 25 mg BID versus placebo	Patients with acute MI <24h	Parallel groups Double blind UK

More details and results :

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

## References

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Basu S, Senior R, Raval U, van der Does R, Bruckner T, Lahiri A Beneficial effects of intravenous and oral carvedilol treatment in acute myocardial infarction. A placebo-controlled, randomized trial Circulation 1997;96:183-91 [[9236433](#)]

## 2 hypertension

Trial	Treatments	Patients	Trials design and methods
<b>carvedilol vs placebo</b>			
<a href="#">Cice et al , 2003</a> n=58/56 follow-up: 12 months	65279;Carvedilol 50 mg/day versus matched placebo	dialysis patients with dilated cardiomyopathy	
<a href="#">Nakao et al , 2007</a> n=57/51	Carvedilol 20 mg/day versus matched placebo	-	

More details and results :

- anti hypertensive agents for hypertension in patients undergoing dialysis at <http://www.trialresultscenter.org/go-Q281>

## References

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Cice G, Ferrara L, D'Andrea A, D'Isa S, Di Benedetto A, Cittadini A, Russo PE, Golino P, Calabr R J Am Coll Cardiol 2003;41:1438-44 [12742278]

### Nakao et al, 2007:

Nakao N, Hasegawa H, Fujimori A, Seno H, Toriyama T, J Am Soc Nephrol 2007;18 (suppl): 709A [0]

## 3 heart failure

Trial	Treatments	Patients	Trials design and methods
<b>carvedilol vs placebo</b>			
ANZ-HeFT , 1997 n=207/208 follow-up: 19 mo (range 18-24 mo)	carvedilol target dose 25mg twice daily versus placebo	chronic stable heart failure, NYHA 1-3	Parallel groups Double blind Australia & New Zealand
Parker , 1996 n=696/398 follow-up: 6.5 mo (1 day - 15.1 mo)	carvedilol target dose 25 mg twice daily versus placebo	patients with heart failure and ejection fraction <0.35	Parallel groups Double blind US
Carvedilol U.S. Trials (elderly subgroup) , 1996 n=554	Carvedilol versus placebo	Patients aged 65 years and older	
COPERNICUS (elderly subgroup) , 2001 n=1102	Carvedilol versus placebo	Patients aged 59 years and older	
Metra , 1994 n=20/20 follow-up: 4 mo	carvedilol versus placebo	NYHA 2-3, IDC	
Olsen , 1995 n=36/23 follow-up: 4 mo	carvedilol versus placebo	NYHA 2-4, IDC/CAD	
Krum , 1995 n=33/16 follow-up: 3.5 mo	carvedilol 25 mg twice daily during 14 weeks versus placebo	Patients with advanced heart failure (NYHA 3-4), EF ≤0.35	
Bristow (MOCHA) , 1996 n=261/84 follow-up: 6.5-8 mo	carvedilol versus placebo	NYHA 2-4, IDC/CAD	Parallel groups Double blind

continued...

<b>Trial</b>	<b>Treatments</b>	<b>Patients</b>	<b>Trials design and methods</b>
<b>Colucci , 1996</b> n=232/134 follow-up: 213 days (0.6 years)	carvedilol versus placebo	mild symptomatic heart failure; ejection fraction≤0.35; 6-minute walk test of 450-550m; on optimal standard therapy including ACE inhibitors	Parallel groups Double blind US
<b>Cohn , 1997</b> n=70/35 follow-up: <8 mo	carvedilol versus placebo	NYHA 3-4, IDC/CAD	
<b>CAPRICORN , 2001</b> n=975/984 follow-up: 1.3 years	carvedilol target dose 25mg twice daily versus placebo	proven acute myocardial infarction and a left-ventricular ejection fraction of <=40%	Parallel groups Double blind 17 countries
<b>COPERNICUS , 2002</b> n=1156/1133 follow-up: 10.4 months	carvedilol traget dose of 25 mg twice daily versus placebo	patients with symptoms of heart failure at rest or on minimal exertion and with an ejection fraction <25% (but not volume-overloaded)	Parallel groups Double blind worldwide (21 countries)
<b>carvedilol vs enalapril</b>			
<b>CARMEN (carvedilol alone) , 2004</b> n=191/190 follow-up: 18 months	carvedilol (target 25 mg bid) versus enalapril (target 10 mg bid)	patients with mild heart failure	ND
<b>carvedilol vs metoprolol</b>			
<b>COMET , 2003</b> n=1511/1518 follow-up: 4.83 years	carvedilol (target dose 25 mg twice daily) versus metoprolol tartrate target dose 50 mg twice daily	chronic heart failure (NYHA IIIIV) with a previous admission for a cardiovascular reason and ejection fraction of less than 035, and have been treated optimally with diuretics and angiotensin converting enzyme inhibitors unless not tolerated.	Parallel groups Double blind 15 European countries
<b>carvedilol+enalapril vs enalapril</b>			
<b>CARMEN (carvedilol+enalapril) , 2004 ongoing</b> n=191/190 follow-up: 18 months	carvedilol (target 25 mg bid) + enalapril (target 10 mg bid) versus enalapril (target 10 mg bid)	patients with mild heart failure	NA

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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**CARMEN (carvedilol+enalapril), 2004:**

ongoing trial

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## 4 diabetes type 2

Trial	Treatments	Patients	Trials design and methods
<b>carvedilol vs metoprolol</b>			
GEMINI , 2004 n=498/737 follow-up: 5 months	6.25- to 25-mg dose of carvedilol twice daily versus 50- to 200-mg dose of metoprolol tartrate twice daily	patients with hypertension and type 2 diabetes mellitus receiving renin-angiotensin system blockade	Parallel groups double-blind

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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