

# Clinical trials of beta-blockers for heart failure in elderly patients

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## 1 beta-blockers

Trial	Treatments	Patients	Trials design and methods
<b>Bisoprolol vs placebo</b>			
CIBIS II (elderly subgroup) , 1999 n=539	Bisoprolol versus placebo	Patients aged 71 years and older	
<b>Bucindolol vs placebo</b>			
MERIT-HF (elderly subgroup) , 1999 n=1330 follow-up:	Bucindolol versus placebo	Patients aged 65 years and older with chronic heart failure in NYHA functional class II-IV and with ejection fraction of 0.40 or less, stabilised with optimum standard therapy	
<b>Carvedilol vs placebo</b>			
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	
<b>Metoprolol vs placebo</b>			
BEST (elderly subgroup) , 2001 n=1092	Metoprolol versus placebo	Upper tertile age	
<b>nebivolol vs placebo</b>			
SENIORS , 2005 n=1067/1061 follow-up: 21 months	nebivolol (titrated from 1.25 mg once daily to 10 mg once daily) versus placebo	patients aged 70 years with a history of heart failure (hospital admission for heart failure within the previous year or known ejection fraction 35% ),	Parallel groups Double blind Europe

## References

### CIBIS II (elderly subgroup), 1999:

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### MERIT-HF (elderly subgroup), 1999:

Effect of metoprolol CR/XL in chronic heart failure: Metoprolol CR/XL Randomised Intervention Trial in Congestive Heart Failure (MERIT-HF) Lancet 1999;353:2001-7 [[10376614](#)]

### Carvedilol U.S. Trials (elderly subgroup), 1996:

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**COPERNICUS (elderly subgroup), 2001:**

Best PJ, Lennon R, Ting HH, Bell MR, Rihal CS, Holmes DR, Berger PB The impact of renal insufficiency on clinical outcomes in patients undergoing percutaneous coronary interventions. J Am Coll Cardiol 2002;39:1113-9 [[11923033](#)]

**BEST (elderly subgroup), 2001:**

A trial of the beta-blocker bucindolol in patients with advanced chronic heart failure. N Engl J Med 2001;344:1659-67 [[11386264](#)]

**SENIORS, 2005:**

Flather MD, Shibata MC, Coats AJ, Van Veldhuisen DJ, Parkhomenko A, Borbola J, Cohen-Solal A, Dumitrascu D, Ferrari R, Lechat P, Soler-Soler J, Tavazzi L, Spinarova L, Toman J, Bohm M, Anker SD, Thompson SG, Poole-Wilson PA Randomized trial to determine the effect of nebivolol on mortality and cardiovascular hospital admission in elderly patients with heart failure (SENIORS). Eur Heart J 2005 Feb;26:215-25 [[15642700](#)]

## 2 About TrialResults-center.org

TrialResults-center is an innovative knowledge database that collects the results of RCTs and provides dynamic interactive systematic reviews and meta-analysis in the field of all major heart and vessels diseases.

The TrialResults-center database provides a unique view of the treatment efficacy based on all data provided directly from clinical trial results, offering a valuable alternative to personal bibliographic search, published meta-analysis, etc. Furthermore, it would allow comparing easily the various concurrent therapeutic for the same clinical condition.

Rigorous meta-analysis method is used to populate TrialResults-center: widespread search of published and non published trials, study selection using pre-specified criteria, data extraction using standard form.

TrialResults-center is continually updated on a weekly basis. We continually search all new results (whatever their publication channel) and these news results are immediately added to the database with a maximum of 1 week.

TrialResults-center is non-profit and self-funded.