

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
Bisoprolol vs placebo			
CIBIS II (elderly subgroup) , 1999 n=539	Bisoprolol versus placebo	Patients aged 71 years and older	
Bucindolol vs placebo			
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	
Carvedilol vs placebo			
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	
Metoprolol vs placebo			
BEST (elderly subgroup) , 2001 n=1092	Metoprolol versus placebo	Upper tertile age	
nebivolol vs placebo			
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:

Erdmann E, Lechat P, Verkenne P, Wiemann H Results from post-hoc analyses of the CIBIS II trial: effect of bisoprolol in high-risk patient groups with chronic heart failure. Eur J Heart Fail 2001;3:469-79 [[11511434](#)]

The Cardiac Insufficiency Bisoprolol Study II (CIBIS-II): a randomised trial. Lancet 1999;353:9-13 [[10023943](#)]

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:

Packer M, Bristow MR, Cohn JN, Colucci WS, Fowler MB, Gilbert EM, Shusterman NH The effect of carvedilol on morbidity and mortality in patients with chronic heart failure. U.S. Carvedilol Heart Failure Study Group. N Engl J Med 1996;334:1349-55 [[8614419](#)]

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.