

Clinical trials of nesiritide

TrialResults-center www.trialresultscenter.org

1 heart failure

| Trial | Treatments | Patients | Trials design and methods |
|---|---|--|---|
| nesiritide vs control | | | |
| NSGET (comparative trial) , 2000 n=203/102 follow-up: <5 days | nesiritide(0.015 and 0.030 microg/kg/min versus usual care | acutely decompensated heart failure requiring invasive monitoring | Parallel groups open US |
| nesiritide vs placebo | | | |
| ASCEND-HF , 2011 <i>unpublished</i> [NCT00475852] n=3496/3511 follow-up: 30 days | intravenous nesiritide for 24 hours to 7 days on top of standard therapy versus matching placebo | Patients hospitalized for heart failure (within 24 hours of hospitalization and institution of acute IV therapy for ADHF) | Parallel groups double-blind North America, Europe, Latin America, Asia-Pacific region |
| BNP-CARDS , 2007 [NCT00186329] n=39/36 follow-up: 7 days | nesiritide as a 0.01-g/kg/min infusion for 48 hours versus placebo | acute decompensated heart failure with moderate to severe renal insufficiency | Parallel groups Double blind US |
| FUSION 2 , 2008 [NCT00091520] n=911 follow-up: 12 weeks | nesiritide (2 g/kg bolus plus 0.01 g/kg-per-minute infusion for four to six hours) versus placebo | patients with ACC/AHA stage C/D heart failure with two recent heart-failure hospitalizations, an ejection fraction of less than 40% , and NYHA class 4 symptoms or NYHA class 3 symptoms with creatinine clearance less than 60 mL/min | Parallel groups double-blind |
| NSGET (efficacy trial) , 2000 n=85/42 follow-up: | nesiritide(0.015 and 0.030 microg/kg/min versus placebo | acutely decompensated heart failure requiring invasive monitoring | |
| PROACTION , 2003 n=127/123 follow-up: 30 days | nesiritidefor at least 12h versus placebo | patients presenting to the ED with acutely decompensated HF and dyspnea at rest or with minimal activity | Parallel groups double-blind USA |

continued...

| Trial | Treatments | Patients | Trials design and methods |
|---|---|---|---------------------------|
| VMAC (intravenous nesiritide) , 2002 [NCT00083772] n=204/142 follow-up: | intravenous nesiritide for 3 hours versus placebo | acutely decompensated heart failure requiring hospitalization | double-blind USA |
| nesiritide vs dobutamine | | | |
| PRECEDENT , 2002 [NCT00270400] n=NA follow-up: | nesiritide(0.015 or 0.03 microg/kg/min) versus Dobutamine (>or =5 microg/kg/min) | Symptomatic, Decompensated CHF | Parallel groups open |
| nesiritide vs nitroglycerin | | | |
| VMAC (24h) , 2002 [NCT00083772] n=280/218 follow-up: | nesiritide infusion for 24 hours versus nitroglycerin | acutely decompensated heart failure requiring hospitalization | |
| nesiritide vs standard care | | | |
| FUSION 1 , 2004 [NCT00270361] n=NA follow-up: 12 weeks | nesiritide 0.005 microg/kg/min or 0.010 microg/kg/min once weekly versus standard care | outpatient with co-morbid advanced heart failure and renal insufficiency | Parallel groups open |

More details and results :

- vasodilators therapy for heart failure in all type of patient at <http://www.trialresultscenter.org/go-Q79>
- vasodilators therapy for heart failure in acute decompensated heart failure at <http://www.trialresultscenter.org/go-Q472>

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Colucci WS, Elkayam U, Horton DP, Abraham WT, Bourge RC, Johnson AD, Wagoner LE, Givertz MM, Liang CS, Neibaur M, Haught WH, LeJemtel TH N Engl J Med 2000 Jul 27;343:246-53 [10911006]

ASCEND-HF, 2011:

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2 acute heart failure

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More details and results :

- new drug under development for acute heart failure in all type of patients at <http://www.trialresultscenter.org/go-Q640>
- endothelin receptor antagonist for acute heart failure in all type of patients at <http://www.trialresultscenter.org/go-Q643>
- atrial natriuretic peptide for acute heart failure in all type of patients at <http://www.trialresultscenter.org/go-Q644>

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Entry terms: Brain Natriuretic Peptide, BNP-32, BNP 32, Nesiritide, B-Type Natriuretic Peptide, BNP Gene Product, Type-B Natriuretic Peptide, Type B Natriuretic Peptide, Natriuretic Peptide Type-B, Natriuretic Peptide Type B, Natriuretic Factor-32, Natriuretic Factor 32, Brain Natriuretic Peptide-32, Brain Natriuretic Peptide 32, Natrecor,