

Clinical trials of vasodilators therapy for heart failure in acute decompensated heart failure

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1 human B-type natriuretic peptide

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unpublished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
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
VMAC (intravenous nesiritide) , 2002 [NCT00083772] n=204/142 follow-up:	intravenous nesiritidefor 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			

continued...

Trial	Treatments	Patients	Trials design and methods
VMAC (24h) , 2002 [NCT00083772] n=280/218 follow-up:	nesiritideinfusion 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

References

NSGET (comparative trial), 2000:

ASCEND-HF, 2011:

BNP-CARDS, 2007:

NSGET (efficacy trial), 2000:

PROACTION, 2003:

VMAC (intravenous nesiritide), 2002:

PRECEDENT, 2002:

VMAC (24h), 2002:

FUSION 1, 2004:

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.