Clinical trials of regenerative therapy for heart failure in all type of patients

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1 bone marrow derived stem cell

Trial	Treatments	Patients	Trials design and methods
Mesenchymal stem cells vs allogeneic mesenchymal stem cells			
POSEIDON , 2012 [NCT01087996] n=NA follow-up:	allogeneic MSCs versus autologous bone marrowderived mesenchymal stem cells delivered by transendocardial injection	patients with LV dysfunction due to ICM	
Bone marrow derived stem cell vs control			
CUPID 2b , 2016 [NCT01643330] n=NA follow-up:	-	patients with advanced heart failure	
FOCUS-CCTRN , 2012 [NCT00824005] n=92 follow-up:	-	patients with chronic ischemic heart failure	
Pokushalov (DOUBLON DIB) , 2010 n=55/54 follow-up:	Intramyocardial transplantation of autologous bone marrow mononuclear cells versus optimal medical therapy	patients with severe ischemic heart failure	Russia
Bone marrow mononuclear cells vs control			
Ang , 2008 n=NA	-	Elective CABG patients with established myocardial scars diagnosed as akinetic or dyskinetic segments by dobutamine stress echocardiography and confirmed at surgery	single-blinded
Hendrikx , 2006 n=NA follow-up: 4 months	-	patients with a postinfarction nonviable scar	
TOPCARE-CHD , 2006 [NCT00289822] n=NA	-	patients with stable ischemic heart disease who had had a myocardial infarction at least 3 months previously	
Yao , 2008 n=24/23	-	patients with stable ischaemic heart disease due to a previous MI	
Bone marrow progenitor cells vs control			
Manginas , 2007 n=NA	-	patients with old, nonviable anterior myocardial infarction	

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Trial	Treatments	Patients	Trials design and methods
Patel , 2005 n=10/10	-	patients with ischemic cardiomyopathy and an ejection fraction of less than 35% who were scheduled for primary off-pump coronary artery bypass grafting	
Perin , 2012 n=10/10 follow-up: 6 months	-	patients with advanced ischemic heart failure	
Vrtovec , 2011 [NCT00629018] n=NA	-	patients with dilated cardiomyopathy	
Vrtovec , 2013 [NCT01350310] n=55/55	-	patients with dilated cardiomyopathy	
Stem cells vs control			
TAC-HFT , 2014 [NCT00768066] n=NA follow-up:	transendocardial injection of bone marrow-derived progenitor cells versus placebo	Patients With Chronic Ischemic Left Ventricular Dysfunction and Heart Failure Secondary to Myocardial Infarction	
Bone marrow derived stem cell vs placebo			
ABCD , 2010 n=24/20 follow-up:	-	Patients with nonischemic dilated cardiomyopathy	
INCL , 2015 [NCT00333827] n=NA follow-up: 6 months	bone marrow derived stem cell versus placebo	patients with dilated cardiomyopathy and heart failure in NYHA class III or IV	Parallel groups double blind Brazil
Bone marrow mononuclear cells vs placebo			
FOCUS-HF , 2011 [NCT00203203.] n=20/10 follow-up: 6 mo	-	patients with chronic HF	
Bone marrow derived stem cell vs sham			
C41750/3100 *ongoing* [NCT02032004] n=NA follow-up:	-	-	

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C41750/3100, 0:

2 Cardiac stem cells

Trial	Treatments	Patients	Trials design and methods
Cardiopoietic stem cell vs control			
C CURE , 2013 [NCT00810238] n=NA follow-up:	-	patients with heart failure of ischemic origin	
CADUCEUS , 2012 [NCT00893360] n=17	-	patients with left ventricular dysfunction after myocardial infarction	

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3 gene therapy

Trial	Treatments	Patients	Trials design and methods
gene therapy vs placebo			
CUPID , 2011 n=25/14 follow-up: 6 months	SERCA2a gene therapy versus placebo	patients NYHA class 3-4 heart failure and an LVEF <35%	Parallel groups double-blind US

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4 ixmyelocel-T

Trial	Treatments	Patients	Trials design and methods
ixmyelocel-T vs control			

continued...

Trial	Treatments	Patients	Trials design and methods
Catheter-DCM , 2014 [NCT01020968] n=NA follow-up:	-	patients with dilated cardiomyopathy	
IMPACT-DCM , 2014 [NCT00765518] n=NA follow-up:	-	patients with dilated cardiomyopathy	
ixmyelocel-T vs placebo			
ixCELL-DCM , 2016 [NCT01670981] n=60/66 follow-up:	ixmyelocel-T versus placebo	patients with New York Heart Association class III or IV symptomatic heart failure due to ischaemic dilated cardiomyopathy, who had left ventricular ejection fraction 35% or less, an automatic implantable cardioverter defibrillator, and who were ineligible for revascularisation procedures	

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5 myoblasts

Trial	Treatments	Patients	Trials design and methods
Cardiac stem cells vs control			
SCIPIO , 2011 [NCT00474461] n=NA follow-up:	-	Patients With Ischemic Cardiomyopathy	
myoblasts vs control			
CAuSMIC , 2005 n=12/11 follow-up: 12 mo	3-dimensional guided catheter-based delivery of autologous skeletal myoblasts versus control	patients with previous myocardial infarction and heart failure, New York Heart Association (NYHA) functional class II to IV	

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Trial	Treatments	Patients	Trials design and methods
SEISMIC , 2011 n=26/14 follow-up: 6 mo	percutaneous intramyocardial transplantation of autologous skeletal myoblasts versus control	Patienst with heart failure patients with implanted cardioverter-defibrillators	
myoblasts vs placebo			
MAGIC , 2001 n=63/34 follow-up: 6 mo	autologous skeletal myoblasts into the postinfarction scar during coronary artery bypass grafting of remote myocardial areas versus placebo	patient with severe ischaemic heart failure	
MARVEL , 2011 [NCT00526253] n=14/6 follow-up: 6 mo	image-guided, catheter-based intramyocardial injection of placebo or myoblasts (400 or 800 million) versus placebo	patients with class II to IV HF and ejection fraction <35%	

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6 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.