

# Clinical trials of cell-based therapies for coronary artery disease in untractable angina

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## 1 stem cells

Trial	Treatments	Patients	Trials design and methods
<b>autologous bone marrow-derived mononuclear cells vs placebo</b>			
Ramshorst , 2009 [ISRCTN58194927] n=25/25 follow-up: 6 months	intramyocardial injection of 100 x 10(6) autologous bone marrow-derived mononuclear cells versus placebo	patients with chronic myocardial ischemia	Parallel groups double blind Netherlands
<b>CD34+ cells vs placebo</b>			
Losordo , 2011 [NCT00300053] n=167 follow-up: 6 months	intramyocardial injection of autologous CD34+ cells versus placebo	patients with refractory angina who have exhausted all other treatment options	Parallel groups double-blind
<b>stem cells CD34+ vs placebo</b>			
Losordo , 2007 [NCT00081913] n=NA follow-up:	Injection of Autologous CD34-Positive Cells versus placebo	Patientswith Canadian Cardiovascular Society class 3 or 4 angina who were undergoing optimal medical treatment and who were not candidates for mechanical revascularization	Parallel groups double blind

## References

### Ramshorst, 2009:

van Ramshorst J, Bax JJ, Beeres SL, Dibbets-Schneider P, Roes SD, Stokkel MP, de Roos A, Fibbe WE, Zwaginga JJ, Boersma E, Schalij MJ, Atsma DE Intramyocardial bone marrow cell injection for chronic myocardial ischemia: a randomized controlled trial. JAMA 2009;301:1997-2004 [[19454638](#)]

### Losordo, 2011:

Losordo DW, Henry TD, Davidson C, Lee JS, Costa MA, Bass T, Mendelsohn F, Fortuin FD, Pepine CJ, Traverse JH, Amrani D, Ewenstein BM, Riedel N, Story K, Barker K, Povsic TJ, Harrington RA, Schatz RA Intramyocardial, Autologous CD34+ Cell Therapy for Refractory Angina. Circ Res 2011;: [[21737787](#)] [10.1161/CIRCRESAHA.111.245993](#)

### Losordo, 2007:

Losordo DW, Schatz RA, White CJ, Udelson JE, Veereshwarayya V, Durgin M, Poh KK, Weinstein R, Kearney M, Chaudhry M, Burg A, Eaton L, Heyd L, Thorne T, Shturman L, Hoffmeister P, Story K, Zak V, Dowling D, Traverse JH, Olson RE, Flanagan J, Sodano D, Mura Intramyocardial transplantation of autologous CD34+ stem cells for intractable angina: a phase I/IIa double-blind, randomized controlled trial. Circulation 2007;115:3165-72 [[17562958](#)]

## 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.