

# Clinical trials of G-CSF

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## 1 acute myocardial infarction

Trial	Treatments	Patients	Trials design and methods
<b>G-CSF vs control</b>			
Deng , 2006 n=10/10 follow-up: 12 months	granulocyte colony stimulating factor (G-CSF) versus control	-	China
FIRSTLINE-AMI (Ince) , 2005 n=25/25 follow-up: 4 months (1y)	granulocyte colony stimulating factor (G-CSF) versus usual care	patients with ST-elevation myocardial infarction undergoing primary PCI with stenting and abciximab	open germany
MAGIC (G-CSF) (Kang) , 2004 n=10/7 follow-up: 6 montsh	granulocyte colony stimulating factor (G-CSF) versus control	patients with myocardial infarction who underwent coronary stenting for the culprit lesion of infarction	open
MAGIC 1 (Kang) , 2007 n=NA follow-up: 24 months	granulocyte colony stimulating factor (G-CSF) versus control	patients with myocardial infarction	open
MAGIC Cell-3-DES (Kang) , 2006 n=27/29 follow-up: 6 months	peripheral blood stem cells mobilized by G-CSF for 3 days and delivered to infarcted myocardium via intracoronary infusion versus control	patients with recent or old myocardial infarction who underwent coronary revascularization with DES	open Korea
RIGENERA (Leone) , 2007 n=NA follow-up: 5 months	granulocyte colony stimulating factor (G-CSF) versus control	patients with large anterior wall AMI at high risk of unfavorable remodeling and with successful primary or rescue percutaneous coronary intervention and LVEF<50%	open
Suarez de Lezo (G-CSF) , 2007 n=10/10 follow-up: 3 months	systemic administration of granulocyte colony-stimulating factor (G-CSF) versus control	patients with revascularized anterior wall AMI and depressed left ventricular function (ejection fraction <45% )	open

continued...

<b>Trial</b>	<b>Treatments</b>	<b>Patients</b>	<b>Trials design and methods</b>
Suzuki , 2006 n=NA follow-up: 6 months	granulocyte colony stimulating factor (G-CSF) versus control	patients with angina or AMI	open
Takano , 2007 n=18/22 follow-up: 6 months	granulocyte colony stimulating factor (G-CSF) versus control	patients with AMI related with the left anterior descending coronary artery, who underwent successful percutaneous coronary intervention	open Japan
<b>G-CSF vs placebo</b>			
Ellis , 2006 [NCT00215124] n=18 follow-up: 1 months	granulocyte colony stimulating factor (G-CSF) at 5 escalating to 10 microg/kg per day subcutaneously for 5 days versus placebo	patients with large acute myocardial infarction	double blind
G-CSF-STEMI (Engelmann) , 2006 n=23/21 follow-up: 3 months	granulocyte colony stimulating factor (G-CSF) versus placebo	patients with late revascularized subacute STEMI	double blind germany
REVIVAL-2 (Zohlnhfer) , 2006 [NCT00126100] n=56/58 follow-up: 6 months	granulocyte colony stimulating factor (G-CSF) versus placebo	patients with acute myocardial infarction after successful mechanical reperfusion reduces infarct size	Parallel groups double blind Germany
STEMMI (Ripa) , 2006 n=39/39 follow-up: 6 months	granulocyte colony stimulating factor (G-CSF) versus placebo	patients with ST-elevation myocardial infarction	double blind
Valgimigli , 2005 n=10/10 follow-up: 6 months	granulocyte colony stimulating factor (G-CSF) versus placebo	patients with STEMI	double blind Italy

More details and results :

- cell-based therapies for acute myocardial infarction in PCI at <http://www.trialresultscenter.org/go-Q313>

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