

Clinical trials of glucose insulin potassium for acute myocardial infarction in all type of patients

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1 GIK infusion

Trial	Treatments	Patients	Trials design and methods
GIK infusion vs control			
OASIS 6 , 2007 [NCT00064428] n=NA follow-up:	High-dose GIK solution consisting of 25% glucose, 50 U/L of regular insulin, and 80 mEq/L of potassium infused at 1.5 mL/kg per hour for 24 hours versus control	patients with acute STEMI	Parallel groups
CREATE-ECLA , 2006 n=10091/10110 follow-up:	GIK intravenous infusion for 24 hours versus usual care	patients with STEMI within 12 hours of symptom onset	Parallel groups open
Glucose-insulin-potassium study II , 2007 n=444/445 follow-up:	GIK infusion versus standard care	STEMI patients without signs of heart failure	Parallel groups
Krljanac , 2005 n=NA follow-up:	high dose of GIK (25% glucose, 50 IU of soluble insulin per liter, and 80 mmol of potassium chloride per liter at 1 ml/kg/hour over 24 hours) versus control	patients with ST-elevation myocardial infarction within 12 hours from symptom onset	Parallel groups open
GIK infusion vs placebo			
Bucciarelli-Ducci , 2006 n=40/33 follow-up:	GIK infusion versus placebo	patients treated with primary percutaneous coronary intervention for ST-segment elevation myocardial infarction	Parallel groups
IMMEDIATE ongoing [NCT00091507] n=NA follow-up:	intravenous glucose, insulin and potassium 1.5ml/kg/hour, continuous infusion for total of 12 hours versus placebo	patients with threatened or established acute myocardial infarction	Parallel groups double blind

References

OASIS 6, 2007:

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CREATE-ECLA , 2006:

Mehta SR, Yusuf S, Daz R, Zhu J, Pais P, Xavier D, Paolasso E, Ahmed R, Xie C, Kazmi K, Tai J, Orlandini A, Pogue J, Liu L Effect of glucose-insulin-potassium infusion on mortality in patients with acute ST-segment elevation myocardial infarction: the CREATE-ECLA randomized controlled trial. JAMA 2005 Jan 26;293:437-46 [[15671428](#)]

Glucose-insulin-potassium study II, 2007:

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Krljanac, 2005:

Krljanac G, Vasiljevic Z, Radovanovic M, Stankovic G, Milic N, Stefanovic B, Kostic J, Mitrovic P, Radovanovic N, Dragovic M, Marinkovic J, Karadzic A Effects of glucose-insulin-potassium infusion on ST-elevation myocardial infarction in patients treated with thrombolytic therapy. Am J Cardiol 2005 Oct 15;96:1053-8 [[16214437](#)]

Bucciarelli-Ducci , 2006:

Bucciarelli-Ducci C, Bianchi M, De Luca L, Battagliese A, Di Russo C, Proietti P, Vizza CD, Fedele F Effects of glucose-insulin-potassium infusion on myocardial perfusion and left ventricular remodeling in patients treated with primary angioplasty for ST-elevation acute myocardial infarction. Am J Cardiol 2006 Nov 15;98:1349-53 [[17134627](#)]

IMMEDIATE, :

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2 About TrialResults-center.org

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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.