

# Clinical trials of supersaturated oxygen

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## 1 acute myocardial infarction

Trial	Treatments	Patients	Trials design and methods
<b>supersaturated oxygen vs control</b>			
<b>AMIHOT II , 2000</b> [NCT00175058] n=222/79 follow-up:	90-minute intracoronary supersaturated oxygen (SSO(2)) infusion in the left anterior descending artery infarct territory versus control	patients with anterior ST-segment elevation myocardial infarction undergoing percutaneous coronary intervention within 6 hours of symptom onset	
<b>AMIHOT , 2007</b> n=NA follow-up:	hyperoxemic reperfusion for 90 min using intracoronary aqueous oxygen versus normoxemic blood autoreperfusion	patients with acute anterior or large inferior AMI undergoing primary or rescue PCI (<24 h from symptom onset) and successful PCI	

More details and results :

- oxygen therapy for acute myocardial infarction in all type of patients at <http://www.trialresultscenter.org/go-Q429>

## References

### AMIHOT II , 2000:

Haude M. AMIHOT-II: A prospective, randomized evaluation of supersaturated oxygen therapy after percutaneous coronary intervention in acute anterior myocardial infarction Herz 2007;32 (8):669

Stone GW, Martin JL, de Boer MJ, Margheri M, Bramucci E, Blankenship JC, Metzger DC, Gibbons RJ, Lindsay BS, Weiner BH, Lansky AJ, Krucoff MW, Fahy M, Boscardin WJ Effect of supersaturated oxygen delivery on infarct size after percutaneous coronary intervention in acute myocardial infarction. Circ Cardiovasc Interv 2009;2:366-75 [20031745] [10.1161/CIRCINTERVENTIONS.108.840066](https://doi.org/10.1161/CIRCINTERVENTIONS.108.840066)

### AMIHOT, 2007:

O'Neill WW, Martin JL, Dixon SR, Bartorelli AL, Trabattoni D, Oemrawsingh PV, Atsma DE, Chang M, Marquardt W, Oh JK, Krucoff MW, Gibbons RJ, Spears JR Acute Myocardial Infarction with Hyperoxemic Therapy (AMIHOT): a prospective, randomized trial of intracoronary hyperoxemic reperfusion after percutaneous coronary intervention. J Am Coll Cardiol 2007;50:397-405 [17662390] [10.1016/j.jacc.2007.01.099](https://doi.org/10.1016/j.jacc.2007.01.099)

Stone GW, Martin JL, de Boer MJ, Margheri M, Bramucci E, Blankenship JC, Metzger DC, Gibbons RJ, Lindsay BS, Weiner BH, Lansky AJ, Krucoff MW, Fahy M, Boscardin WJ Effect of supersaturated oxygen delivery on infarct size after percutaneous coronary intervention in acute myocardial infarction. Circ Cardiovasc Interv 2009;2:366-75 [20031745] [10.1161/CIRCINTERVENTIONS.108.840066](https://doi.org/10.1161/CIRCINTERVENTIONS.108.840066)

## 2 acute coronary syndrome

Trial	Treatments	Patients	Trials design and methods
<b>supersaturated oxygen vs control</b>			
<b>AMIHOT II , 2000</b> [NCT00175058] n=222/79 follow-up:	90-minute intracoronary supersaturated oxygen (SSO(2)) infusion in the left anterior descending artery infarct territory versus control	patients with anterior ST-segment elevation myocardial infarction undergoing percutaneous coronary intervention within 6 hours of symptom onset	
<b>AMIHOT , 2007</b> n=NA follow-up:	hyperoxemic reperfusion for 90 min using intracoronary aqueous oxygen versus normoxemic blood autoreperfusion	patients with acute anterior or large inferior AMI undergoing primary or rescue PCI (<24 h from symptom onset) and successful PCI	

More details and results :

- oxygen therapy for acute coronary syndrome in all type of patients at <http://www.trialresultscenter.org/go-Q428>

## References

### AMIHOT II , 2000:

Haude M. AMIHOT-II: A prospective, randomized evaluation of supersaturated oxygen therapy after percutaneous coronary intervention in acute anterior myocardial infarction *Herz* 2007;32 (8):669

Stone GW, Martin JL, de Boer MJ, Margheri M, Bramucci E, Blankenship JC, Metzger DC, Gibbons RJ, Lindsay BS, Weiner BH, Lansky AJ, Krucoff MW, Fahy M, Boscardin WJ Effect of supersaturated oxygen delivery on infarct size after percutaneous coronary intervention in acute myocardial infarction. *Circ Cardiovasc Interv* 2009;2:366-75 [20031745] [10.1161/CIRCINTERVENTIONS.108.840066](https://doi.org/10.1161/CIRCINTERVENTIONS.108.840066)

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