# Clinical trials of cholesterol lowering intervention for CABG surgery in preoperative statins

**TrialResults-center** www.trialresultscenter.org

## 1    statins

| Trial | Treatments | Patients | Trials design and methods |
|---|---|---|---|
| **preoperative simvastatin vs no treatment** | | | |
| Christenson , 1999 n=40/37 follow-up: 7 days | preoperative simvastatin 20 mg/d, stated 4 weeks before surgery versus no statins | patients with hypercholesterolemia (total cholesterol >or =6.2 mmol/l) planned for CABG | |
| **preoperative atorvastatin vs placebo** | | | |
| Chello et al. , 2006 n=20/20 follow-up: 7 days | preoperative atorvastatin 20 mg/d, started 3 wks before surgery versus placebo | elective CABG | double blind |
| Patti et al. , 2006 n=101/99 follow-up: 30 days | preoperative atorvastatin 40 mg/d, starting 7 days before operation versus placebo | patients undergoing elective cardiac surgery with cardiopulmonary bypass, without previous statin treatment or history of AF | double blind |

### References

**Christenson, 1999:**

Christenson JT Preoperative lipid-control with simvastatin reduces the risk of postoperative thrombocytosis and thrombotic complications following CABG. Eur J Cardiothorac Surg 1999;15:394-9; discussion 399-400 [10371111]

**Chello et al., 2006:**

Chello M, Patti G, Candura D, Mastrobuoni S, Di Sciascio G, Agr F, Carassiti M, Covino E Effects of atorvastatin on systemic inflammatory response after coronary bypass surgery. Crit Care Med 2006;34:660-7 [16505650]

**Patti et al., 2006:**

Patti G, Chello M, Candura D, Pasceri V, D'Ambrosio A, Covino E, Di Sciascio G Randomized trial of atorvastatin for reduction of postoperative atrial fibrillation in patients undergoing cardiac surgery: results of the ARMYDA-3 (Atorvastatin for Reduction of MYocardial Dysrhythmia After cardiac surgery) study. Circulation 2006;114:1455-61 [17000910]

## 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.