

# Clinical trials of ICD for acute myocardial infarction in all type of patients

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## 1 early implantation of ICD after MI

| Trial  | Treatments   | Patients   | Trials design and methods |
|--|--|--|---------------------------|
| <b>early implantation of ICD after MI vs control</b>                     |  |  |                           |
| <b>IRIS , 2009</b><br>[NCT00157768]<br>n=445/453<br>follow-up: 37 months | prophylactic ICD implantation early after myocardial infarction versus optimal medical therapy alone | patients patients at increased risk 5 to 31 days after AMI | Parallel groups open      |

## References

### IRIS, 2009:

Steinbeck G, Andresen D, Seidl K, Brachmann J, Hoffmann E, Wojciechowski D, Kornacewicz-Jach Z, Sredniawa B, Lupkovic G, Hofgrtner F, Lubinski A, Rosenqvist M, Habets A, Wegscheider K, Senges J Defibrillator implantation early after myocardial infarction. N Engl J Med 2009;361:1427-36 [[19812399](#)]

## 2 Implantable cardioverter defibrillator therapy

| Trial   | Treatments  | Patients   | Trials design and methods |
|---|---|--|---------------------------|
| <b>ICD vs no ICD</b>  |   |  |                           |
| <b>MADIT-II , 2002</b><br>n=742/490<br>follow-up: 20 months | implantable cardiac defibrillator versus no ICD, optimized medical therapy      | patients with a prior myocardial infarction and EF<=0.30   | Parallel groups open      |
| <b>DINAMIT , 2004</b><br>n=332/342<br>follow-up: 30 months  | implantable cardioverter defibrillator versus no ICD, optimized medical therapy | patients within 640 days of myocardial infarct ischemic with EF<=0.35 and cardiac autonomic modulation (depressed heart rate variability or increased mean 24-hour heart rate) | Parallel groups open      |

## References

### MADIT-II, 2002:

Moss AJ, Zareba W, Hall WJ, Klein H, Wilber DJ, Cannom DS, Daubert JP, Higgins SL, Brown MW, Andrews ML Prophylactic implantation of a defibrillator in patients with myocardial infarction and reduced ejection fraction. N Engl J Med 2002;346:877-83 [[11907286](#)]

Goldenberg I, Gillespie J, Moss AJ, Hall WJ, Klein H, McNitt S, Brown MW, Cygankiewicz I, Zareba W Long-term benefit of primary prevention with an implantable cardioverter-defibrillator: an extended 8-year follow-up study of the multicenter automatic defibrillator implantation trial II. Circulation 2010;122:1265-71 [[20837894](#)] [10.1161/CIRCULATION-AHA.110.940148](#)

**DINAMIT, 2004:**

Hohnloser SH, Kuck KH, Dorian P, Roberts RS, Hampton JR, Hatala R, Fain E, Gent M, Connolly SJ Prophylactic use of an implantable cardioverter-defibrillator after acute myocardial infarction. N Engl J Med 2004;351:2481-8 [[15590950](#)]

### 3 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.