

# Clinical trials of resynchronization (CRT) - defibrillators (ICD) for heart failure in mildly symptomatic heart failure with prolonged QRS interval

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## 1 cardiac resynchronization therapy

Trial	Treatments	Patients	Trials design and methods
<b>CRT vs no CRT</b>			
<b>REVERSE , 2008</b> [NCT00271154].] n=419/191 follow-up: 12 months	CRT versus "placebo"	patients with NYHA functional class I or II heart failure with a QRS $\geq$ 120 ms and a LV ejection fraction $\leq$ 40%	Parallel groups double blind

## References

### REVERSE, 2008:

Linde C, Abraham WT, Gold MR, St John Sutton M, Ghio S, Daubert C Randomized trial of cardiac resynchronization in mildly symptomatic heart failure patients and in asymptomatic patients with left ventricular dysfunction and previous heart failure symptoms. J Am Coll Cardiol 2008;52:1834-43 [[19038680](#)]

## 2 Combined CRT + ICD

Trial	Treatments	Patients	Trials design and methods
<b>Combined CRT + ICD vs ICD alone</b>			
<b>MADIT CRT , 2009</b> [NCT00180271] n=1089/731 follow-up: 2 years	Cardiac resynchronization therapy with implantable cardioverter defibrillator versus implantable cardioverter defibrillator alone	patients with asymptomatic or mildly symptomatic heart failure (NYHA I/II), LEVF $\leq$ 30% and QRS $\geq$ 130ms	Parallel groups blinded United States, Europe
<b>RAFT , 2010</b> [NCT00251251] n=894/904 follow-up: 40 months	ICD plus CRT versus ICD alone	patients with New York Heart Association (NYHA) class II or III heart failure, a left ventricular ejection fraction of 30% or less, and an intrinsic QRS duration of 120 msec or more or a paced QRS duration of 200 msec or more	Parallel groups double-blind Canada, Europe, Turkey, Australia

## References

### MADIT CRT, 2009:

Moss AJ, Hall WJ, Cannom DS, Klein H, Brown MW, Daubert JP, Estes NA 3rd, Foster E, Greenberg H, Higgins SL, Pfeffer MA, Solomon SD, Wilber D, Zareba W Cardiac-Resynchronization Therapy for the Prevention of Heart-Failure Events. N Engl J Med 2009 Sep 1; [[19723701](#)] [10.1056/NEJMoa0906431](#)

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**RAFT, 2010:**

Tang AS, Wells GA, Talajic M, Arnold MO, Sheldon R, Connolly S, Hohnloser SH, Nichol G, Birnie DH, Sapp JL, Yee R, Healey JS, Rouleau JL Cardiac-Resynchronization Therapy for Mild-to-Moderate Heart Failure. *N Engl J Med* 2010 Nov 14; [21073365] [10.1056/NEJMoa1009540](https://doi.org/10.1056/NEJMoa1009540)

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### 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.