

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
CRT vs no CRT			
REVERSE , 2008 [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
Combined CRT + ICD vs ICD alone			
MADIT CRT , 2009 [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
RAFT , 2010 [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](#)

Goldenberg I, Kutlyifa V, Klein HU, Cannom DS, Brown MW, Dan A, Daubert JP, Estes NA 3rd, Foster E, Greenberg H, Kautzner J, Klempfner R, Kuniss M, Merkely B, Pfeffer MA, Quesada A, Viskin S, McNitt S, Polonsky B, Ghanem A, Solomon SD, Wilber D, Zareba W, Survival with Cardiac-Resynchronization Therapy in Mild Heart Failure. N Engl J Med 2014 Mar 30; [24678999] [10.1056/NEJMoa1401426](https://doi.org/10.1056/NEJMoa1401426)

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)

Sapp JL, Parkash R, Wells GA, Yetisir E, Gardner MJ, Healey JS, Thibault B, Sterns LD, Birnie D, Nery PB, Sivakumaran S, Essebag V, Dorian P, Tang AS Cardiac Resynchronization Therapy Reduces Ventricular Arrhythmias in Primary but Not Secondary Prophylactic Implantable Cardioverter Defibrillator Patients: Insight From the Resynchronization in Ambulatory Heart Failure Trial. Circ Arrhythm Electrophysiol 2017;10: [28292754]

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.