

Table D10: Outcomes reported in the trials assessing effectiveness of CRT P

Author,Year Trial	Arm(name)	Outcome Units	Baseline N	Baseline Outcome	Timepoint	N at Timepoint	Outcome at Timepoint	Within Arm Comparisons	Between Arm Comparisons
6 minute hall walk distance									
Pokushalov,2010 ⁴³	CABG	6 minute hall walk distance Unit:meters	87	Mean: 265 SD: 32	6months	73	379	NR	NR
	CABG+CRT	6 minute hall walk distance Unit:meters	91	Mean: 248 SD: 51	6months	86	432	NR	NR
	CABG	6 minute hall walk distance Unit:meters	87	Mean: 265 SD: 32	12months	65	317	NR	NR
	CABG+CRT	6 minute hall walk distance Unit:meters	91	Mean: 248 SD: 51	12months	83	448	NR	NR
	CABG	6 minute hall walk distance Unit:meters	87	Mean: 265 SD: 32	18months	64	289	NR	NR
	CABG+CRT	6 minute hall walk distance Unit:meters	91	Mean: 248 SD: 51	18months	82	452	NR	NR
Abraham,2002 ²⁷ MIRACLE	Control group	6 minute hall walk distance Unit:	225	Mean: 291 SD: 101	6 months	198	NR	10	NR
	Cardiac	6 minute hall	228	Mean:	6 months	214	NR	39	NR

Author,Year Trial	Arm(name)	Outcome Units	Baseline N	Baseline Outcome	Timepoint	N at Timepoint	Outcome at Timepoint	Within Arm Comparisons	Between Arm Comparisons
	Resynchroni zation Group	walk distance Unit:		305 SD: 85					
Leclercq,2007 ⁴⁴ RD-CHF Study	All Patients	6 minute hall walk distance Unit:m	29	Mean: 324 SD: 149	3 months	29	386	NR	NR
	BiV First	6 minute hall walk distance Unit:m	17	Mean: 316 SD: 25	3 months	17	358	NR	NR
	RV Pacing First	6 minute hall walk distance Unit:m	12	Mean: 332 SD: 173	3 months	17	414	NR	NR
Minnesota Living with Heart Failure Inventory Score									
Pokushalov,2010 ⁴³	CABG	Minnesota Living with Heart Failure Inventory Score Unit:points	87	Mean: 63.2 SD: 19	6months	73	Mean: 51.9 SD: 22	NR	NR
	CABG+CRT	Minnesota Living with Heart Failure Inventory Score Unit:points	91	Mean: 64.9 SD: 20	6months	86	Mean: 39.8 SD: 16	NR	NR
	CABG	Minnesota Living with Heart Failure Inventory Score Unit:points	87	Mean: 63.2 SD: 19	12months	65	Mean: 41.7 SD: 8	NR	NR

Author,Year Trial	Arm(name)	Outcome Units	Baseline N	Baseline Outcome	Timepoint	N at Timepoint	Outcome at Timepoint	Within Arm Comparisons	Between Arm Comparisons
	CABG+CRT	Minnesota Living with Heart Failure Inventory Score Unit:points	91	Mean: 64.9 SD: 20	12months	83	Mean: 32.9 SD: 7	NR	NR
	CABG	Minnesota Living with Heart Failure Inventory Score Unit:points	87	Mean: 63.2 SD: 19	18months	64	Mean: 46.4 SD: 11	NR	NR
	CABG+CRT	Minnesota Living with Heart Failure Inventory Score Unit:points	91	Mean: 64.9 SD: 20	18months	82	Mean: 22.9 SD: 5	NR	NR
Cleland,2004 ¹ CARE HF	Medical Therapy Alone	Minnesota Living with Heart Failure Inventory Score Unit:	404	Mean: NR SD: NR	90 days	404	Mean: 40 SD: 22	NR	HR: -10 95%CI: -8 to - 12
	Medical therapy plus cardiac resynchroniz ation	Minnesota Living with Heart Failure Inventory Score Unit:	409	Mean: NR SD: NR	90 days	409	Mean: 31 SD: 22	NR	NA
Abraham,2002 ²⁷ MIRACLE	Control group	Minnesota Living with Heart	225	Mean: 59 SD: 21	6 months	193	Mean: NR SD: NR	-9	NR

Author,Year Trial	Arm(name)	Outcome Units	Baseline N	Baseline Outcome	Timepoint	N at Timepoint	Outcome at Timepoint	Within Arm Comparisons	Between Arm Comparisons
		Failure Inventory Score Unit:							
	Cardiac Resynchroni zation Group	Minnesota Living with Heart Failure Inventory Score Unit:	228	Mean: 59 SD: 20	6 months	213	Mean: NR SD: NR	-18	NR
Wikstrom,2009 ^b CARE HF Sub Study	CRT IHD	Minnesota Living with Heart Failure Inventory Score Unit:	186	Mean: NR SD: NR	3 months	NR	Mean: 31.29 SD: 19.74	NR	NR
	Medical therapy IHD	Minnesota Living with Heart Failure Inventory Score Unit:	153	Mean: NR SD: NR	3 months	NR	Mean: 35.56 SD: 21.68	NR	NR
	CRT Non IHD	Minnesota Living with Heart Failure Inventory Score Unit:	223	Mean: NR SD: NR	3 months	NR	Mean: 41.5 SD: 20.49	NR	NR
	Medical therapy Non IHD	Minnesota Living with Heart Failure Inventory Score	250	Mean: NR SD: NR	3 months	NR	Mean: 30.25 SD: 22	NR	NR

Author,Year Trial	Arm(name)	Outcome Units	Baseline N	Baseline Outcome	Timepoint	N at Timepoint	Outcome at Timepoint	Within Arm Comparisons	Between Arm Comparisons
		Unit:							
Left ventricular end systolic volume									
Pokushalov,2010 43	CABG	Left ventricular end systolic volume Unit:ml	87	Mean: 158 SD: 62.5	6months	73	Mean: 152 SD: 68.7	NR	NR
	CABG+CRT	Left ventricular end systolic volume Unit:ml	91	Mean: 166 SD: 68.9	6months	86	Mean: 122 SD: 57.5	NR	NR
	CABG	Left ventricular end systolic volume Unit:ml	87	Mean: 158 SD: 62.5	12months	65	Mean: 158 SD: 57.2	NR	NR
	CABG+CRT	Left ventricular end systolic volume Unit:ml	91	Mean: 166 SD: 68.9	12months	83	Mean: 119 SD: 64.4	NR	NR
	CABG	Left ventricular end systolic volume Unit:ml	87	Mean: 158 SD: 62.5	18months	64	Mean: 164 SD: 61.4	NR	NR
	CABG+CRT	Left ventricular end systolic volume Unit:ml	91	Mean: 166 SD: 68.9	18months	82	Mean: 120 SD: 57.5	NR	NR

Author,Year Trial	Arm(name)	Outcome Units	Baseline N	Baseline Outcome	Timepoint	N at Timepoint	Outcome at Timepoint	Within Arm Comparisons	Between Arm Comparisons
Sutton,2003 ²⁸ MIRACLE Sub Study	Control group	Left ventricular end systolic volume Unit:ml	151	Mean: 227.5 SD: 98.6	3 months	151	Mean: NR SD: NR	0.6	NR
	CRT group	Left ventricular end systolic volume Unit:ml	172	Mean: 227.7 SD: 93.7	3 months	172	Mean: NR SD: NR	-21.8	NR
	Control group	Left ventricular end systolic volume Unit:ml	151	Mean: 227.5 SD: 98.6	6 months	151	Mean: NR SD: NR	0.3	NR
	CRT group	Left ventricular end systolic volume Unit:ml	172	Mean: 227.7 SD: 93.7	6 months	172	Mean: NR SD: NR	-25.6	NR
Wikstrom,2009 ⁸ CARE HF Sub Study	CRT IHD	Left ventricular end systolic volume Unit:ml	186	Mean: NR SD: NR	3 months	NR	Mean: 193.99 SD: 69.36	NR	NR
	Medical therapy IHD	Left ventricular end systolic volume Unit:ml	153	Mean: NR SD: NR	3 months	NR	Mean: 233.18 SD: 98.36	NR	NR
	CRT Non IHD	Left ventricular	223	Mean: NR SD: NR	3 months	NR	Mean: 194.01	NR	NR

Author,Year Trial	Arm(name)	Outcome Units	Baseline N	Baseline Outcome	Timepoint	N at Timepoint	Outcome at Timepoint	Within Arm Comparisons	Between Arm Comparisons
		end systolic volume Unit:ml					SD: 104.74		
	Medical therapy Non IHD	Left ventricular end systolic volume Unit:ml	250	Mean: NR SD: NR	3 months	NR	Mean: 231.54 SD: 86.05	NR	NR
Left ventricular end diastolic volume									
Pokushalov,2010 43	CABG	Left ventricular end diastolic volume Unit:ml	87	Mean: 227 SD: 51.4	6months	73	Mean: 225 SD: 46.8	NR	NR
	CABG+CRT	Left ventricular end diastolic volume Unit:ml	91	Mean: 231 SD: 48.9	6months	86	Mean: 207 SD: 38.4	NR	NR
	CABG	Left ventricular end diastolic volume Unit:ml	87	Mean: 227 SD: 51.4	12months	65	Mean: 225 SD: 48.7	NR	NR
	CABG+CRT	Left ventricular end diastolic volume Unit:ml	91	Mean: 231 SD: 48.9	12months	83	Mean: 206 SD: 39.2	NR	NR
	CABG	Left ventricular end diastolic	87	Mean: 227 SD: 51.4	18months	64	Mean: 228 SD: 45.2	NR	NR

Author,Year Trial	Arm(name)	Outcome Units	Baseline N	Baseline Outcome	Timepoint	N at Timepoint	Outcome at Timepoint	Within Arm Comparisons	Between Arm Comparisons
		volume Unit:ml							
	CABG+CRT	Left ventricular end diastolic volume Unit:ml	91	Mean: 231 SD: 48.9	18months	82	Mean: 209 SD: 36.7	NR	NR
Sutton,2003 ²⁸ MIRACLE Sub Study	Control group	Left ventricular end diastolic volume Unit:ml	151	Mean: 293.9 SD: 105.1	3 months	151	Mean: NR SD: NR	Mean Difference: 2.8	NR
	CRT group(CRT- P)	Left ventricular end diastolic volume Unit:ml	172	Mean: 295.6 SD: 102.6	3 months	172	Mean: NR SD: NR	Mean Difference: - 22.6	NR
	Control group	Left ventricular end diastolic volume Unit:ml	151	Mean: 293.9 SD: 105.1	6 months	151	Mean: NR SD: NR	Mean Difference: 4.7	NR
	CRT group(CRT- P)	Left ventricular end diastolic volume Unit:ml	172	Mean: 295.6 SD: 102.6	6 months	172	Mean: NR SD: NR	Mean Difference: - 27.2	NR
Left ventricular ejection fraction									
Pokushalov,2010 ⁴³	CABG	Left ventricular ejection fraction	87	Mean: 30 SD: 2.2	6months	73	Mean: 32 SD: 3.4	NR	NR

Author,Year Trial	Arm(name)	Outcome Units	Baseline N	Baseline Outcome	Timepoint	N at Timepoint	Outcome at Timepoint	Within Arm Comparisons	Between Arm Comparisons
		Unit:%							
	CABG+CRT	Left ventricular ejection fraction Unit:%	91	Mean: 28 SD: 2.7	6months	86	Mean: 41 SD: 2.5	NR	NR
	CABG	Left ventricular ejection fraction Unit:%	87	Mean: 30 SD: 2.2	12months	65	Mean: 29 SD: 2.6	NR	NR
	CABG+CRT	Left ventricular ejection fraction Unit:%	91	Mean: 28 SD: 2.7	12months	83	Mean: 42 SD: 1.4	NR	NR
	CABG	Left ventricular ejection fraction Unit:%	87	Mean: 30 SD: 2.2	18months	64	Mean: 28 SD: 2.7	NR	NR
	CABG+CRT	Left ventricular ejection fraction Unit:%	91	Mean: 28 SD: 2.7	18months	82	Mean: 42 SD: 1.9	NR	NR
Sutton,2003 ²⁸ MIRACLE Sub Study	Control group	Left ventricular ejection fraction Unit:%	151	Mean: 24.3 SD: 6.8	3 months	151	Mean: NR SD: NR	0.6	NR

Author,Year Trial	Arm(name)	Outcome Units	Baseline N	Baseline Outcome	Timepoint	N at Timepoint	Outcome at Timepoint	Within Arm Comparisons	Between Arm Comparisons
	CRT group	Left ventricular ejection fraction Unit: %	172	Mean: 24.5 SD: 6.8	3 months	172	Mean: NR SD: NR	2.3	NR
	Control group	Left ventricular ejection fraction Unit: %	151	Mean: 24.3 SD: 6.8	6 months	151	Mean: NR SD: NR	0.4	NR
	CRT group	Left ventricular ejection fraction Unit: %	172	Mean: 24.5 SD: 6.8	6 months	172	Mean: NR SD: NR	3.6	NR
Abraham,2002 ²⁷ MIRACLE	Control group	Left ventricular ejection fraction Unit: %	225	Mean: 21.6 SD: 6.2	6 months	146	Mean: NR SD: NR	-0.2	NR
	Cardiac Resynchroni zation Group	Left ventricular ejection fraction Unit: %	228	Mean: 21.8 SD: 6.3	6 months	155	Mean: NR SD: NR	4.6	NR
Leclercq,2007 ⁴⁴ RD-CHF Study	All Patients	Left ventricular ejection fraction Unit: %	30	Mean: 29.5 SD: 11	3 months	30	Mean: 29 SD: 11	NR	NR
	BiV First	Left ventricular	18	Mean: 32 SD: 11	3 months	18	Mean: 34 SD: 12	NR	NR

Author,Year Trial	Arm(name)	Outcome Units	Baseline N	Baseline Outcome	Timepoint	N at Timepoint	Outcome at Timepoint	Within Arm Comparisons	Between Arm Comparisons
		ejection fraction Unit: %							
	RV Pacing First	Left ventricular ejection fraction Unit: %	12	Mean: 32 SD: 13	3 months	12	Mean: 37 SD: 11	NR	NR
Wikstrom,2009 ⁸ CARE HF Sub Study	CRT IHD	Left ventricular ejection fraction Unit: %	186	Mean: NR SD: NR	3 months	NR	Mean: 29.08 SD: 6.9	NR	NR
	Medical therapy IHD	Left ventricular ejection fraction Unit: %	153	Mean: NR SD: NR	3 months	NR	Mean: 26.56 SD: 6.92	NR	NR
	CRT Non IHD	Left ventricular ejection fraction Unit: %	223	Mean: NR SD: NR	3 months	NR	Mean: 30.59 SD: 8.19	NR	NR
	Medical therapy Non IHD	Left ventricular ejection fraction Unit: %	250	Mean: NR SD: NR	3 months	NR	Mean: 26.31 SD: 6.5	NR	NR

CRT-P=Cardiac Resynchronization Therapy Paced, CRT-D=Cardiac Resynchronization Therapy with Defibrillator, ICD=Implantable Cardioverter Defibrillator, N=Number, HR=Hazard Ratio, CI=Confidence Interval, OR=Odds Ratio, RD=Risk Difference, P=P value, NA=Not Applicable, LBBB=Left Bundle Branch Block, LVEF=Left Ventricular Ejection Fraction, CABG=Coronary Artery Bypass Graft, CRT=Cardiac Resynchronization Therapy, Biv=Bi-Ventricular, RV=Right Ventricular, IHD=Ischemic Heart Disease, NR=Not Reported, SD=Standard Deviation, NA=Not Applicable