

Supplementary Appendix

This appendix has been provided by the authors to give readers additional information about their work.

Supplement to: Mark DB, Anstrom KJ, Sun JL, et al. Quality of life with defibrillator therapy or amiodarone in heart failure. *N Engl J Med* 2008;359:999-1008.

Table 1. Secondary Quality of Life Measures by Intention to Treat

		Amiodarone	Placebo	ICD	AMIO-Placebo*	ICD-Placebo*
SF role function – physical (0-100)†						
Baseline	N	820	821	797		
	median	25 (0,50)	0 (0,50)	25 (0,50)		
	mean	32.7±37.2	30.6±38.4	31.4±38.3	2.12 (-1.54,5.78)	0.77 (-2.97,4.51)
3 months	N	740	757	743		
	median	25 (0,75)	25 (0,75)	25 (0,75)		
	mean	41.2±39.2	39.2±40.5	43.6±39.8	2.04 (-2.00,6.08)	4.41 (0.34,8.47)
1 year	N	665	684	719		
	median	50 (0,75)	25 (0,100)	50 (0,100)		
	mean	45.0±40.0	43.2±40.9	46.9±40.8	1.75 (-2.57,6.07)	3.64 (-0.63,7.92)
30 months	N	541	556	634		
	median	25 (0,100)	25 (0,75)	25 (0,100)		
	mean	44.4±40.6	40.6±41.0	44.2±40.8	3.82 (-1.01,8.66)	3.61 (-1.05,8.28)
SF role function – emotional (0-100)						
Baseline	N	821	820	798		
	median	100 (33,100)	100 (33,100)	100 (33,100)		
	mean	65.9±41.03	62.9±42.5	66.3±41.4	3.01 (-1.04,7.06)	3.38 (-0.71,7.48)
3 months	N	738	758	742		
	median	100 (33,100)	100 (33,100)	100 (33,100)		
	mean	70.3±39.9	66.6±41.8	72.0±38.9	3.72 (-0.42,7.87)	5.46 (1.37,9.54)
1 year	N	666	682	720		
	median	100 (33,100)	100 (33,100)	100 (33,100)		
	mean	69.7±40.0	67.7±41.3	71.9±38.3	2.00 (-2.34,6.35)	4.21 (0.04,8.37)

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30 months	N	541	554	631		
	median	100 (33,100)	100 (33,100)	100 (33,100)		
	mean	71.3±40.4	69.6±41.2	68.9±41.4	1.64 (-3.20,6.48)	-0.76 (-5.48,3.96)
SF general health (0-100)						
Baseline	N	826	829	814		
	median	42 (30,57)	40 (25,60)	45 (30,60)		
	mean	44.6±21.4	43.8±22.2	45.2±20.9	0.83 (-1.27,2.93)	1.42 (-0.66,3.51)
3 months	N	754	764	759		
	median	45 (30,62)	45 (29,62)	47 (32,65)		
	mean	46.2±22.0	45.6±23.1	48.8±21.7	0.69 (-1.58,2.96)	3.28 (1.02,5.53)
1 year	N	669	692	726		
	median	45 (30,62)	45 (27,62)	47 (30,67)		
	mean	46.9±22.8	45.8±23.37	49.0±22.7	1.07 (-1.39,3.52)	3.16 (0.76,5.56)
30 months	N	558	561	646		
	median	45 (30,62)	45 (30,62)	42 (30,62)		
	mean	45.9±22.4	45.4±23.4	46.1±22.1	0.53 (-2.16,3.22)	0.72 (-1.85,3.29)
SF social function (0-100)						
Baseline	N	828	831	816		
	median	75 (50,100)	75 (50,100)	75 (50,100)		
	mean	69.3±27.8	66.6±28.7	68.2±28.0	2.75 (0.03,5.47)	1.61 (-1.13,4.35)
3 months	N	760	770	764		
	median	75 (50,100)	75 (50,100)	75 (50,100)		
	mean	71.3±27.4	70.2±28.0	73.7±25.6	1.09 (-1.69,3.86)	3.50 (0.81,6.18)
1 year	N	678	695	735		
	median	75 (50,100)	75 (50,100)	75 (50,100)		
	mean	71.4±26.6	70.9±26.8	74.7±25.1	0.49 (-2.34,3.31)	3.81 (1.12,6.50)
30 months	N	560	571	657		
	median	75 (50,100)	75 (50,100)	75 (50,100)		
	mean	71.8±26.6	70.3±27.0	71.2±26.2	1.49 (-1.63,4.62)	0.92 (-2.06,3.90)

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SF pain index (0-100)

Baseline	N	828	828	813		
	median	64 (41,84)	62 (41,84)	64 (41,84)		
	mean	65.1±25.8	62.5±27.1	64.9±26.5	2.63 (0.04,5.22)	2.43 (-0.16,5.02)
3 months	N	761	770	764		
	median	72 (51,100)	62 (41,84)	72 (42,100)		
	mean	68.8±26.7	62.9±27.7	68.0±25.5	5.90 (3.18,8.62)	5.08 (2.42,7.75)
1 year	N	677	695	736		
	median	72 (42,100)	62 (41,84)	72 (42,84)		
	mean	66.9±26.6	62.6±26.7	67.3±26.1	4.33 (1.51,7.16)	4.69 (1.95,7.42)
30 months	N	561	570	657		
	median	72 (41,100)	62 (41,84)	64 (41,84)		
	mean	67.8±27.5	62.1±26.1	64.0±26.0	5.71 (2.59,8.83)	1.94 (-0.98,4.86)

SF vitality (0-100)

Baseline	N	827	830	814		
	median	45 (30,60)	45 (25,60)	40 (25,55)		
	mean	44.3±22.4	43.0±23.3	42.4±22.2	1.27 (-0.94,3.47)	-0.63 (-2.84,1.57)
3 months	N	760	768	764		
	median	50 (30,65)	45 (30,65)	50 (30,65)		
	mean	46.1±23.6	45.7±24.1	48.2±22.7	0.47 (-1.93,2.86)	2.56 (0.22,4.91)
1 year	N	674	693	734		
	median	50 (30,65)	50 (30,65)	50 (35,65)		
	mean	47.8±23.5	46.4±23.6	48.2±22.6	1.33 (-1.17,3.83)	1.79 (-0.61,4.19)
30 months	N	561	565	654		
	median	50 (30,60)	50 (30,65)	50 (30,60)		
	mean	46.5±23.2	46.0±23.4	46.3±22.4	0.49 (-2.24,3.21)	0.27 (-2.31,2.84)

Bed days

Baseline	N	814	823	811
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	median	0 (0,2)	0 (0,2)	0 (0,2)		
	mean	2.1±5.0	2.3±5.5	2.1±4.8	-0.20 (-0.71,0.31)	-0.19 (-0.69,0.31)
3 months	N	750	761	759		
	median	0 (0,1)	0 (0,1)	0 (0,1)		
	mean	1.7±4.5	2.0±4.9	1.7±4.5	-0.27 (-0.74,0.21)	-0.34 (-0.81,0.13)
1 year	N	660	690	723		
	median	0 (0,1)	0 (0,1)	0 (0,0)		
	mean	1.8±4.8	1.9±4.8	1.4±3.5	-0.04 (-0.55,0.48)	-0.47 (-0.91,-0.03)
30 months	N	546	567	646		
	median	0 (0,1)	0 (0,1)	0 (0,1)		
	mean	1.9±4.7	2.3±5.4	1.8±4.6	-0.40 (-0.99,0.19)	-0.44 (-1.00,0.13)
Disability days						
Baseline	N	811	821	807		
	median	2 (0,15)	3 (0,15)	3 (0,15)		
	mean	8.3±10.7	8.4±10.6	8.7±10.6	-0.11 (-1.15,0.92)	0.31 (-0.72,1.33)
3 months	N	749	758	754		
	median	0 (0,10)	1 (0,10)	0 (0,7)		
	mean	6.9±10.2	6.7±9.7	5.7±9.1	0.26 (-0.75,1.26)	-0.91 (-1.86,0.04)
1 year	N	653	687	725		
	median	1 (0,10)	0 (0,10)	0 (0,7)		
	mean	6.4±9.5	6.2±9.6	5.7±9.1	0.12 (-0.91,1.14)	-0.56 (-1.53,0.42)
30 months	N	545	563	643		
	median	0 (0,10)	0 (0,10)	0 (0,10)		
	mean	6.2±9.5	5.9±9.0	5.9±8.9	0.28 (-0.82,1.37)	-0.02 (-1.03,1.00)
Driving a car						
Baseline	N	827	833	814		
	yes	710 (85.9%)	700 (84.0%)	705 (86.6%)	0.03††	0.14††
3 months	N	756	770	767		

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	yes	637 (84.3%)	653 (84.8%)	662 (86.3%)	0.77††	0.40††
1 year	N	677	697	738		
	yes	575 (84.9%)	589 (84.5%)	639 (86.6%)	0.82††	0.26††
30 months	N	576	587	666		
	yes	490 (85.0%)	484 (82.5%)	579 (86.9%)	0.23††	0.03††
Manages money						
Baseline	N	825	829	813		
	yes	751 (91.0%)	763 (92.0%)	750 (92.3%)	0.46††	0.87††
3 months	N	756	769	767		
	yes	690 (91.3%)	707 (91.9%)	704 (91.8%)	0.64††	0.91††
1 year	N	676	697	735		
	yes	638 (94.4%)	651 (93.4%)	682 (92.8%)	0.45††	0.65††
30 months	N	574	586	664		
	yes	526 (91.6%)	540 (92.2%)	618 (93.1%)	0.75††	0.53††
Working full or part time						
Baseline	N	830	833	816		
	yes	244 (29.4%)	211 (25.3%)	215 (26.4%)	0.06††	0.64††
3 months	N	761	772	768		
	yes	214 (28.1%)	197 (25.5%)	196 (25.5%)	0.25††	1.00††
1 year	N	681	698	740		

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	yes	187 (27.5%)	159 (22.8%)	176 (23.8%)	0.04 ††	0.65††
30 months	N	585	590	673		
	yes	154 (26.3%)	131 (22.2%)	140 (20.8%)	0.10††	0.54††
Living with Heart Failure (105-0)						
Baseline	N	824	819	805		
	median	42 (22,61)	43 (21,63)	41 (24,62)		
	mean	42.0±24.6	43.1±25.6	42.6±24.1	-1.08 (-3.51,1.35)	-0.50 (-2.92,1.93)
3 months	N	745	750	736		
	median	33 (17,54)	36 (14,59)	30 (13,52)		
	mean	36.7±24.2	37.6±25.6	33.7±23.6	-0.89 (-3.42,1.63)	-3.92 (-6.43,-1.42)
1 year	N	638	666	704		
	median	33 (14,54)	36 (14,59)	32 (14,52)		
	mean	35.6±24.6	37.8±26.3	34.7±23.6	-2.16 (-4.93,0.61)	-3.09 (-5.73,-0.45)
30 months	N	458	492	549		
	median	33 (14,55)	36 (17,59)	32 (15,52)		
	mean	36.5±24.8	38.3±25.3	35.3±24.0	-1.81 (-5.00,1.38)	-3.04 (-6.04,-0.05)
Time Trade-Off (0-1)						
Baseline	N	818	824	808		
	median	0.98 (0.8,1.0)	0.98 (0.8, 1.0)	0.98 (0.8, 1.0)		
	mean	0.8±0.3	0.8±0.3	0.8±0.3	0.01 (-0.02,0.04)	-0.005 (-0.04,0.03)
3 months	N	752	761	758		
	median	0.98 (0.8, 1.0)	0.98 (0.8, 1.0)	0.98 (0.9, 1.0)		
	mean	0.8±0.3	0.8±0.3	0.9±0.3	0.015 (-0.02,0.05)	0.04 (0.01,0.07)
1 year	N	667	694	728		
	median	0.98 (0.8, 1.0)	0.98 (0.9, 1.0)	0.98 (0.8,) 1.0		
	mean	0.8±0.3	0.9±0.3	0.9±0.3	0.00 (-0.03,0.03)	0.00 (-0.03,0.03)
30 months	N	551	562	643		

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	median	0.98 (0.8, 1.0)	0.98 (0.9, 1.0)	0.98 (0.9, 1.0)		
	mean	0.9±0.3	0.9±0.3	0.9±0.3	0.00 (-0.03,0.03)	0.00 (-0.03,0.03)
Self-rating scale (0-100)						
Baseline	N	786	791	781		
	median	65 (50,80)	60 (50,80)	65 (50,80)		
	mean	62.9±20.7	62.6±21.9	62.7±21.1	0.28 (-1.82,2.39)	0.09 (-2.03,2.22)
3 months	N	719	702	712		
	median	70 (50,80)	70 (50,80)	75 (50,85)		
	mean	65.9±20.6	66.1±21.0	69.6±19.5	-0.16 (-2.32,2.00)	3.50 (1.39,5.61)
1 year	N	629	645	681		
	median	70 (50,85)	70 (50,85)	75 (51,85)		
	mean	67.6±21.2	66.5±21.7	69.4±19.4	1.08 (-1.28,3.44)	2.90 (0.68,5.11)
30 months	N	506	529	599		
	median	70 (50,80)	70 (50,80)	70 (50,85)		
	mean	67.1±20.9	66.1±21.9	68.0±21.1	1.01 (-1.60,3.63)	1.96 (-0.56,4.47)

Continuous variables shown as median (25th to 75th percentiles). Categorical variables are shown as percentages. Means are shown with standard deviations. AMIO = amiodarone; ICD = implantable cardioverter-defibrillator; SF = Short Form 36.

* Columns show 95% confidence intervals for difference in mean values for continuous variables or in percentages for categorical variables (active treatment minus placebo). Intervals corresponding to a nominal p-value ≤0.05, uncorrected for multiple comparisons, are shown in bold.

†Ranges for each scale are provided in parenthesis

††Quantities shown are p-values.