

Supplementary table 1. The impact of sex on QoL assessed by the SF-36 questionnaire in patients with AF.

Domains	Men (n=2021)	Women(n=1541)	<i>P</i> value
Physical functioning	69 ± 26	61 ± 26	<0.001
Role-physical	47 ± 46	37 ± 44	<0.001
Bodily pain	79 ± 21	75 ± 21	<0.001
General health	49 ± 22	43 ± 20	<0.001
Vitality	66 ± 19	60 ± 19	<0.001
Social functioning	67 ± 23	62 ± 23	<0.001
Role-emotional	62 ± 45	56 ± 46	<0.001
Mental health	69 ± 17	65 ± 18	<0.001
PCS	51 ± 9	48 ± 9	<0.001
MCS	51 ± 10	49 ± 10	<0.001

QoL, quality of life; SF-36, the medical outcomes study 36-item short-form health survey; AF, atrial fibrillation; PCS, physical component summary; MCS, mental component summary.

P value in this table was analyzed between women and men.

Supplementary table 2. The SF-36 questionnaire results in patients with AF by sex, stratified by age.

Scale	Age < 75			Age ≥ 75		
	Men (n=1425)	Women (n=937)	<i>P</i> value	Men (n=596)	Women (n=604)	<i>P</i> value
Physical functioning	75±23	67±23	<0.001	55±27	51±26	0.009
Role-physical	52±46	42±45	<0.001	35±44	30±43	0.011
Bodily pain	81±20	77±21	<0.001	75±23	73±22	0.074
General health	52±21	46±20	<0.001	42±21	40±20	<0.031
Vitality	68±18	63±19	<0.001	59±19	55±19	<0.001
Social functioning	70±22	65±22	<0.001	59±24	56±24	0.030
Role-emotional	66±44	60±45	0.002	54±46	49±47	0.086
Mental health	70±17	66±17	<0.001	66±17	63±18	<0.001
PCS	53±9	50±8	<0.001	47±9	46±9	0.014
MCS	52±9	50±10	<0.001	49±10	47±10	0.002

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P value in this table was analyzed between women and men.

Supplementary table 3. The SF-36 questionnaire results in patients with AF by sex, stratified by antiarrhythmic treatment.

Scale	None antiarrhythmic treatment			Rhythm control strategy			Rate control strategy		
	Men (n=313)	Women (n=190)	<i>P</i> value	Men (n=653)	Women (n=507)	<i>P</i> value	Men (n=1055)	Women (n=844)	<i>P</i> value
Physical functioning	68±29	59±28	<0.001	78±22	67±23	<0.001	64±26	57±26	<0.001
Role-physical	46±45	40±46	0.101	59±44	47±45	<0.001	40±45	31±43	<0.001
Bodily pain	81±22	76±22	0.007	80±20	74±22	<0.001	78±21	75±21	<0.001
General health	48±23	45±20	0.023	54±21	46±19	<0.001	46±21	42±21	<0.001
Vitality	64±21	60±19	0.006	70±17	62±18	<0.001	63±19	58±20	<0.001
Social functioning	65±25	63±24	0.396	72±21	64±21	<0.001	64±24	60±24	<0.001
Role-emotional	62±45	57±47	0.188	71±41	63±43	0.001	57±46	51±47	0.011
Mental health	67±19	66±18	0.300	70±16	65±17	<0.001	68±18	64±18	<0.001
PCS	51±10	48±9	<0.001	54±8	50±9	<0.001	50±9	47±9	<0.001
MCS	50±10	50±10	0.372	52±9	50±9	<0.001	50±10	48±10	<0.001

SF-36, the medical outcomes study 36-item short-form health survey; AF, atrial fibrillation;

PCS, physical component summary; MCS, mental component summary.

P value in this table was analyzed between women and men.

Supplementary figure 1. a. Forest plot showing unadjusted/adjusted odds ratio (OR) and 95% confidence interval (CI) for lower PCS scores by age; b. Forest plot showing unadjusted/adjusted odds ratio (OR) and 95% confidence interval (CI) for lower MCS scores by age.

