

DANPACE II

Minimized atrial pacing and risk of atrial fibrillation in sinus node dysfunction

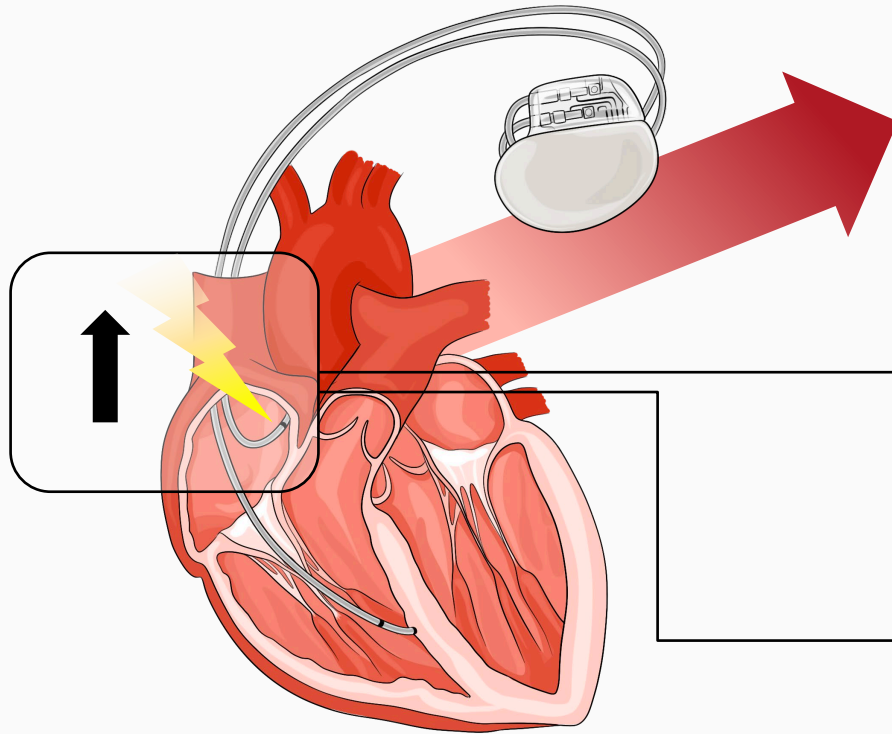
*Assoc. Prof. Mads Brix Kronborg, MD PhD DMSc
On behalf of the DANPACE II investigators*

08.28.2023



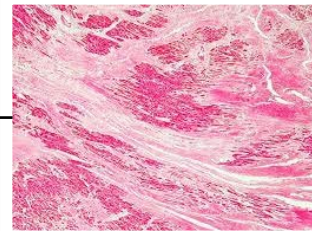
Background

Does minimized atrial pacing in patients with sinus node dysfunction reduce the risk of atrial fibrillation?



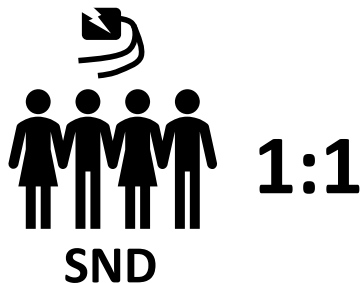
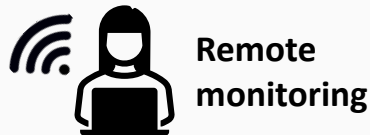
Prolongation and abnormal propagation?

OR



Progressive atrial disease?

Methods



Primary endpoint
AF >6 minutes

- Secondary endpoints
- AF >6 hours or >24 hours
 - Persistent AF
 - Stroke, TCI or embolism
 - All-cause mortality
 - QoL & 6-minute walk test
 - Time to crossover

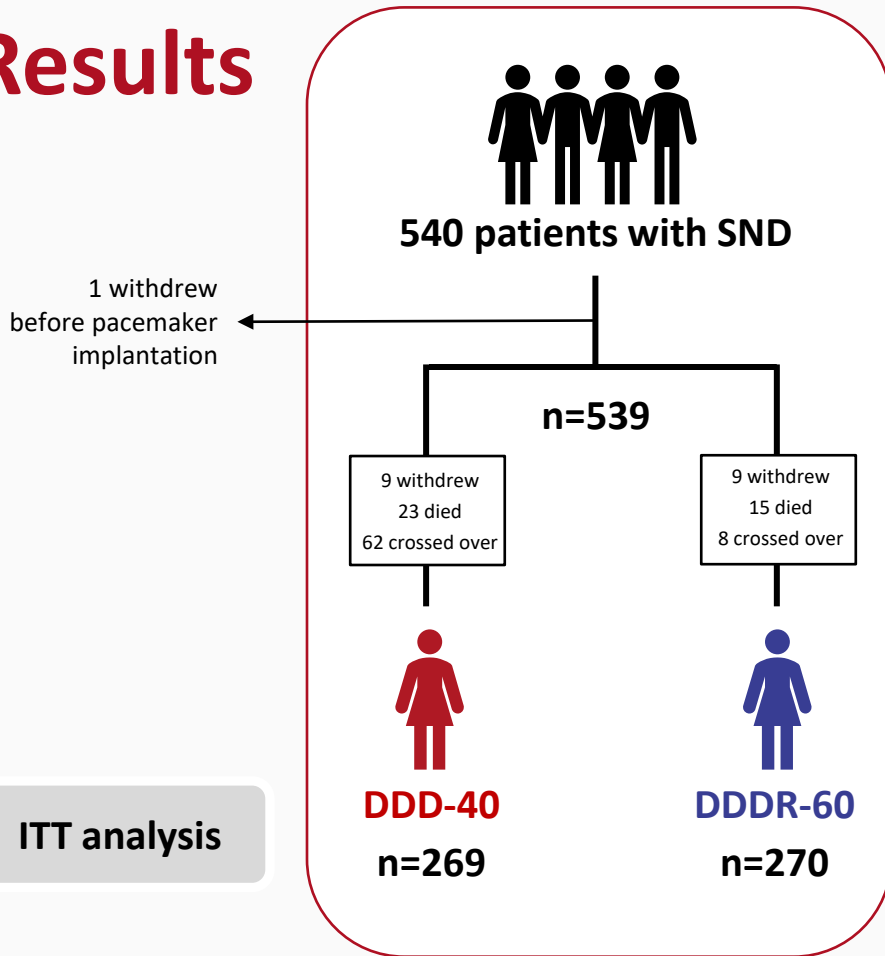
X Permanent/persistent AF
Bradycardia/chronotropic incompetence ≠DDD 40



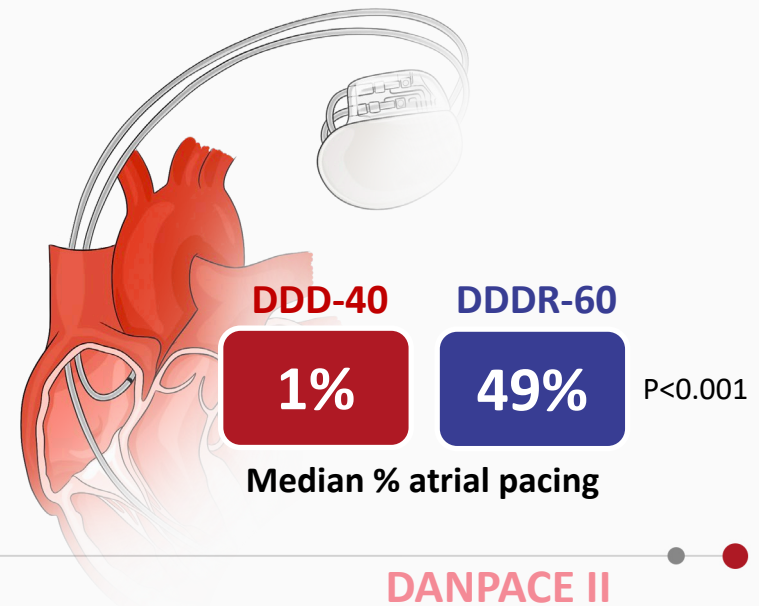
12 months

Safety endpoint
Syncope or presyncope

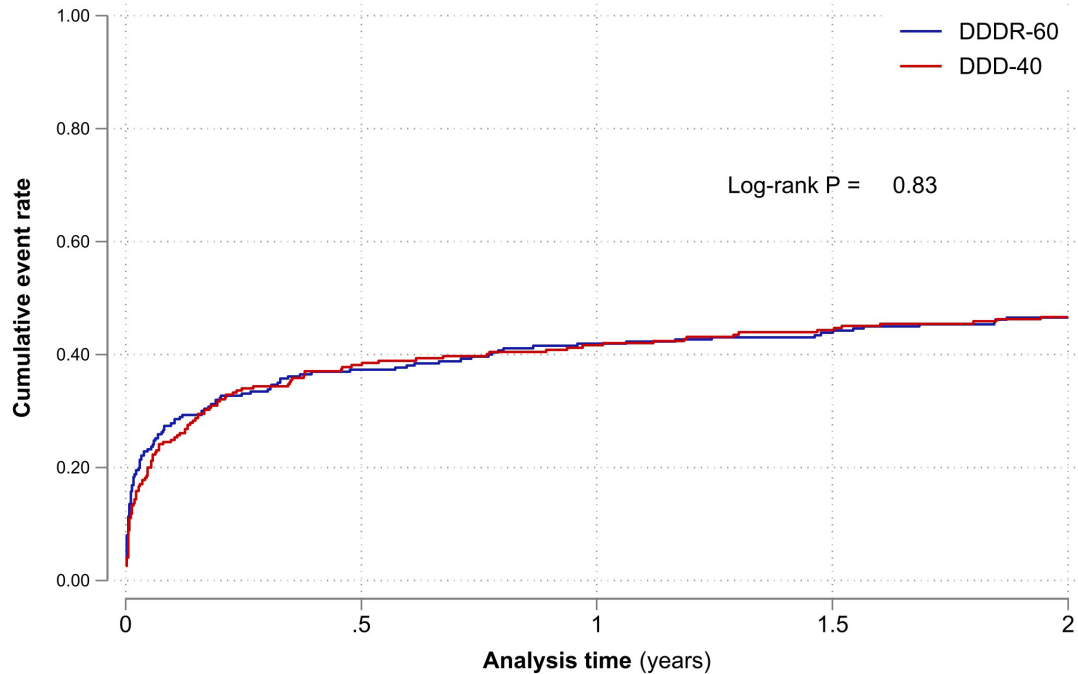
Results



	DDDR-60 (n=270)	DDD-40 (n=269)
Women, n (%)	130 (48)	140 (52)
Age in years, median (IQR)	73 (67-79)	74(67-80)
History of AF, n (%)	115 (43)	121 (45)



Atrial fibrillation >6 minutes



Patients at risk

DDDR-60:	270	159	145	140	126
DDD-40	269	161	150	139	124



DDDR-60

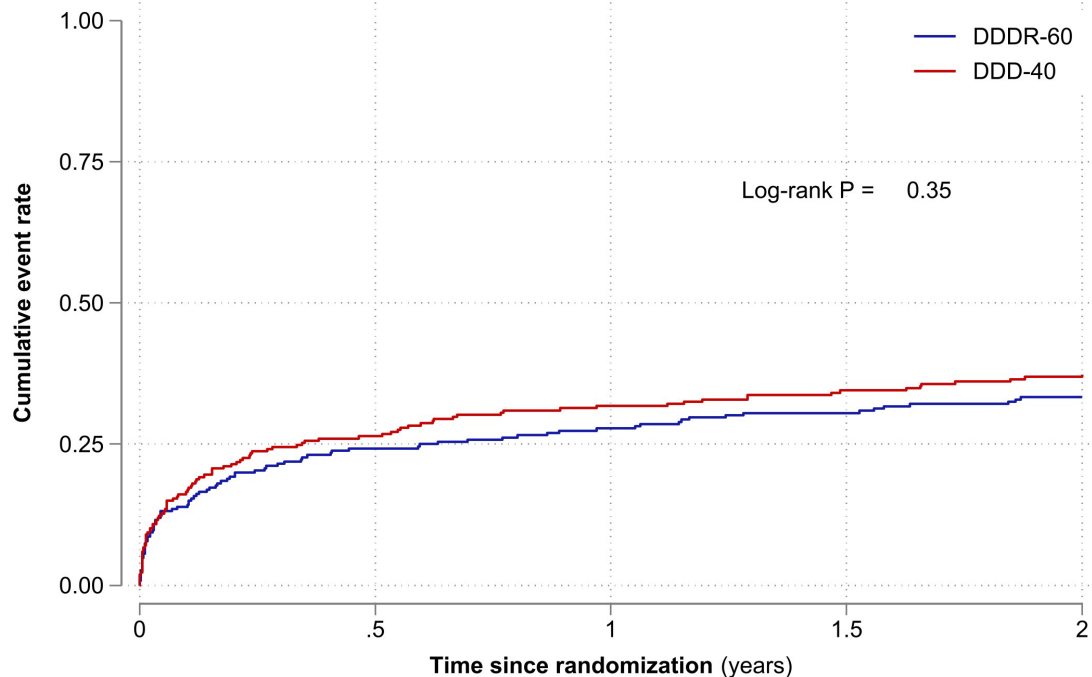
124 (46%)



DDD-40

124 (46%)

Atrial fibrillation >6 hours



Patients at risk

Control:	270	195	183	176	159
Intervention:	269	193	177	166	150



DDDR-60

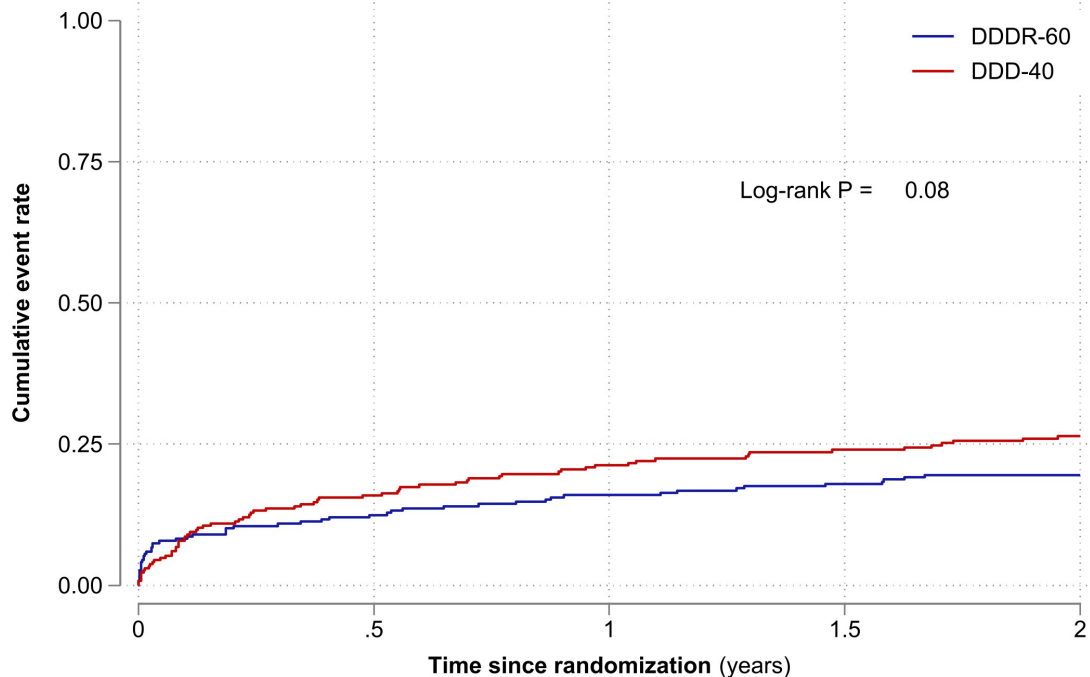
87 (32%)



DDD-40

98 (36%)

Atrial fibrillation >24 hours



Patients at risk

Control:	270	225	213	208	193
Intervention:	269	220	204	192	175



DDDR-60

51 (21%)

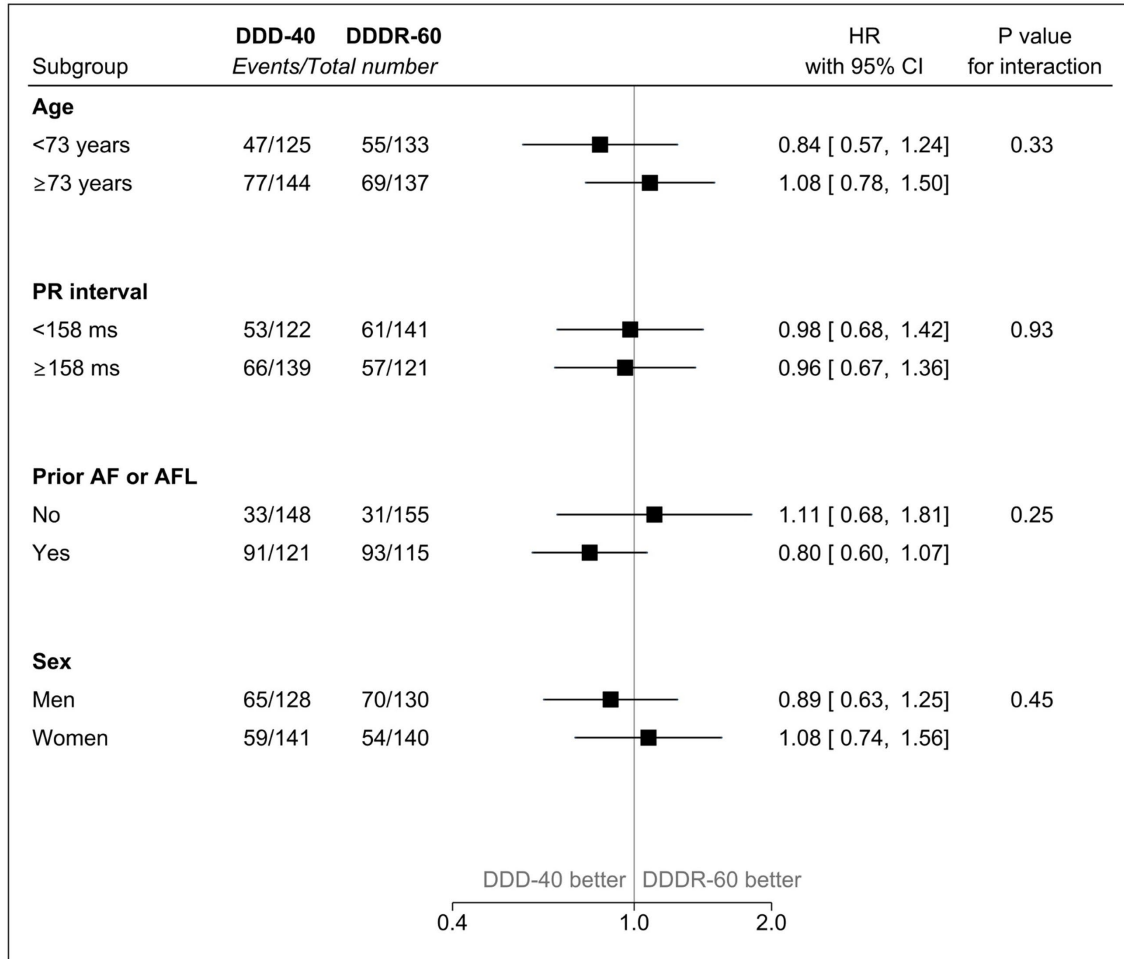


DDD-40

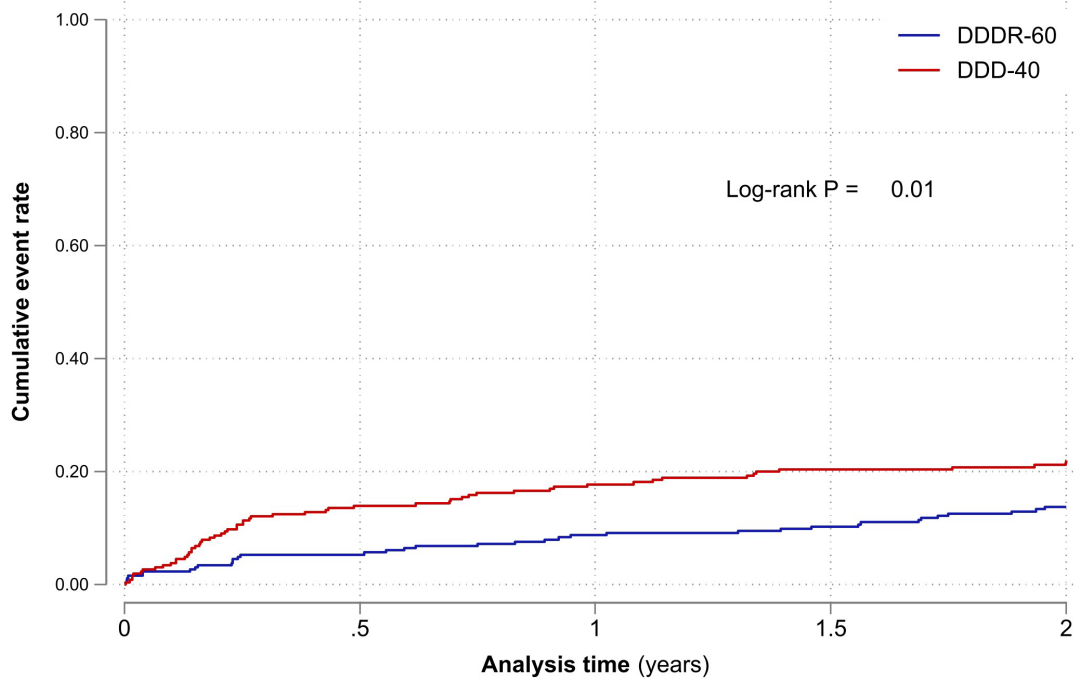
69 (26%)

**Atrial fibrillation
>6 minutes**

Subgroups



Syncope or presyncope



Patients at risk

DDDR-60:	270	243	231	226	204
DDD-40	269	225	212	200	186



DDDR-60

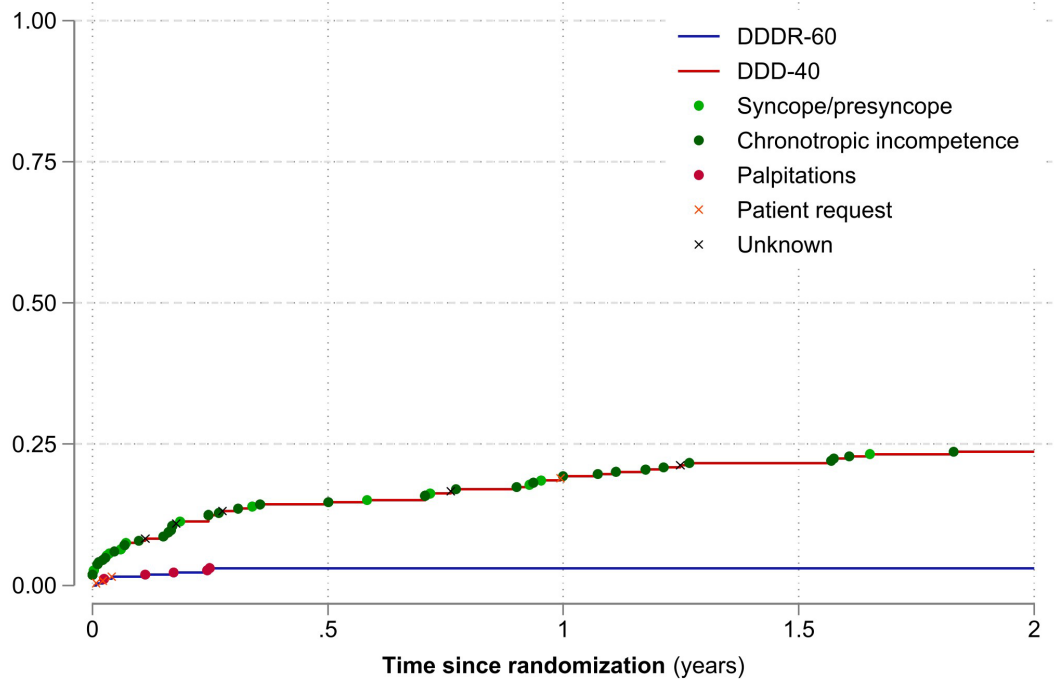
36 (13%)



DDD-40

58 (22%)

Crossovers



Patients at risk

DDDR-60:	270	249	246	245	232
DDD-40:	269	224	210	198	183



DDDR-60

8 (3%)



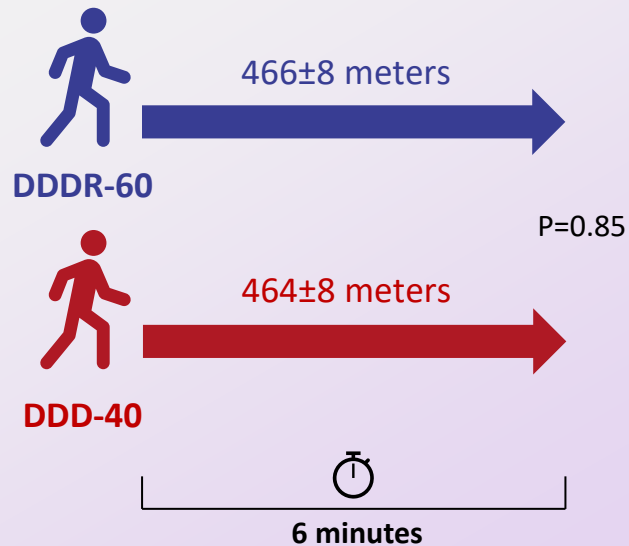
DDD-40

62 (23%)

Quality of life



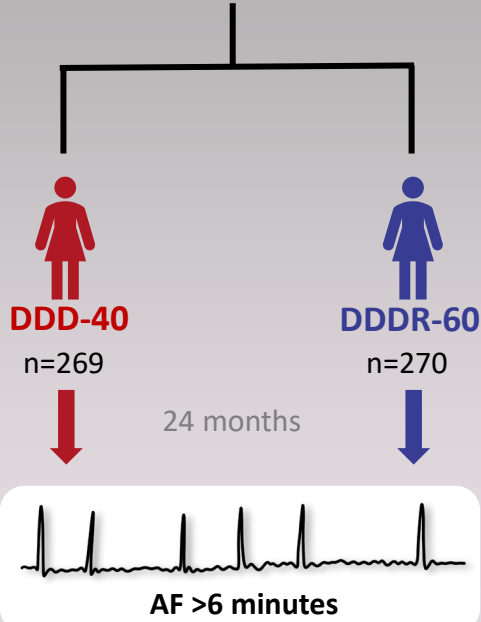
6-minute walk test



DANPACE II



539 patients with SND



Summary & Conclusion

Median % atrial pacing

DDD-40

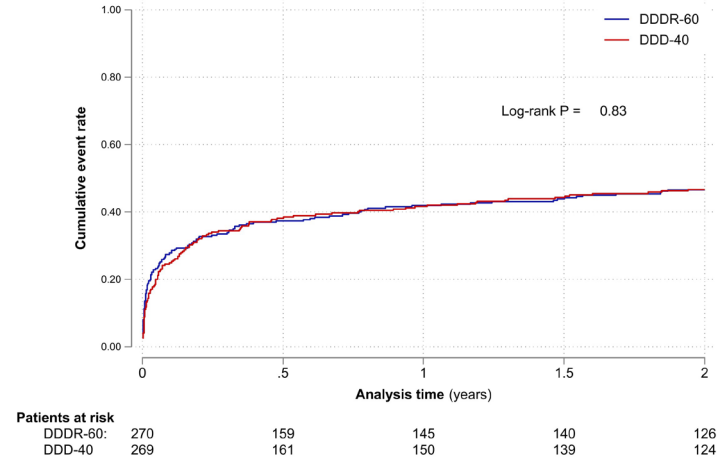
1%

DDDR-60

49%

P<0.001

Atrial fibrillation >6 minutes



Reduced atrial pacing did not reduce the incidence of AF

DDD-40



Syncope/presyncope



Crossovers



Quality of Life

Exercise capacity

Acknowledgements

Investigators

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Trial Coordinating Centre

Henriette Holmberg,
Rita Moehl,
Lotte Bording Lindskow.

