

SUPPLEMENTAL MATERIAL

Appendix

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Table S1. Quality of antivitamin k control stratified by BMI.

	Normal weight (BMI < 25 kg/m²)	Overweight (BMI 25-30 kg/m²)	Obese (BMI ≥ 30 kg/m²)	p value
N	266	643	574	
TTR Rosendaal (mean ± SD), %	61.1 ± 19.4	62.5 ± 20.7	63.1 ± 19.2	0.42
TTR < 65% (%)	55.7	52.4	51.1	0.52
TTR < 70% (%)	64.1	62	62.2	0.87

BMI: body mass index; SD: standard deviation; TTR: time in the therapeutic range.

Table S2. Univariate Cox regression.

Total mortality	HR	95% CI		p value
BMI (reference <30 kg/m ²)	0.81	0.62	1.05	0.10
Female sex	0.79	0.61	1.02	0.12
Age, per year	1.09	1.07	1.11	<0.01
Arterial hypertension	1.80	1.25	2.60	<0.01
Diabetes mellitus	1.60	1.24	2.07	<0.01
Dyslipidemia	1.02	0.79	1.30	0.90
Coronary artery disease	1.80	1.37	2.37	<0.01
Heart failure	2.37	1.85	3.03	<0.01
Aortic valve disease	1.49	0.96	2.31	0.07
Chronic kidney failure	2.77	2.13	3.61	<0.01
Charlson index	1.48	1.36	1.62	<0.01
Cerebrovascular disease	1.25	0.92	1.70	0.16
CHA2DS2-VASc	1.39	1.29	1.50	<0.01
HAS-BLED	1.69	1.52	1.50	<0.01
Stroke	HR	95% CI		p value
BMI (reference <30 kg/m ²)	0.99	0.54	1.80	0.97
Female sex	0.76	0.42	1.39	0.37
Age, per year	1.02	0.56	1.89	0.27
Arterial hypertension	1.42	0.63	3.18	0.40
Diabetes mellitus	1.03	0.54	1.97	0.93
Dyslipidemia	1.21	0.67	2.18	0.53

Coronary artery disease	1.97	1.03	3.75	0.04
Heart failure	2.21	1.22	3.99	<0.01
Aortic valve disease	0.76	0.18	3.12	0.69
Chronic kidney failure	2.26	1.23	4.17	<0.01
Charlson index	1.36	1.09	1.70	<0.01
Cerebrovascular disease	2.57	1.38	4.79	<0.01
CHA2DS2-VASc	1.33	1.11	1.60	<0.01
HAS-BLED	1.52	1.17	1.96	<0.01
Major bleeding	HR	95% CI		p value
BMI (reference <30 kg/m ²)	0.80	0.57	1.14	0.22
Female sex	0.96	0.69	1.33	0.81
Age, per year	1.03	1.01	1.05	<0.01
Arterial hypertension	1.11	0.73	1.68	0.62
Diabetes mellitus	1.52	1.08	2.13	0.02
Dyslipidemia	0.67	0.48	0.93	0.02
Coronary artery disease	1.33	0.90	1.97	0.15
Heart failure	1.57	1.12	2.20	<0.01
Aortic valve disease	1.14	0.60	2.17	0.69
Chronic kidney failure	1.98	1.42	2.78	<0.01
Charlson index	1.32	1.17	1.49	<0.01
Cerebrovascular disease	1.47	1.00	2.17	0.05
CHA2DS2-VASc	1.24	1.12	1.38	<0.01
HAS-BLED	1.47	1.27	1.70	<0.01

MACE	HR	95% CI		p value
BMI (reference <30 kg/m ²)	0.91	0.66	1.24	0.54
Female sex	0.90	0.66	1.22	0.49
Age, per year	1.06	1.04	1.08	<0.01
Arterial hypertension	1.52	0.99	2.33	0.06
Diabetes mellitus	2.06	1.51	2.80	<0.01
Dyslipidemia	1.49	1.09	2.04	0.01
Coronary artery disease	2.80	2.05	3.84	<0.01
Heart failure	2.73	2.01	3.69	<0.01
Aortic valve disease	2.20	1.38	3.52	<0.01
Chronic kidney failure	2.46	1.79	3.38	<0.01
Charlson index	1.52	1.36	1.69	<0.01
Cerebrovascular disease	1.39	0.96	2.01	0.08
CHA2DS2-VASc	1.45	1.32	1.59	<0.01
HAS-BLED	1.60	1.40	1.82	<0.01

BMI: body mass index; CI: confidence interval; HR: hazard ratio.

Table S3. Event rates for subgroups, stratified by BMI.

	Normal weight		Overweight		Obese		p value
	(BMI < 25 kg/m ²)		(BMI 25-30 kg/m ²)		(BMI ≥ 30 kg/m ²)		
	N = 358		N = 871		N = 727		
	Annual rate n (%/year)	Annual rate n (%/year)	Annual rate n (%/year)	Annual rate n (%/year)	Annual rate n (%/year)		
All-cause mortality							
<i>Age</i>							
< 65 years	4 (2.83)	5 (1.32)	4 (0.91)	0.23			
65-75 years	9 (2.75)	31 (3.47)	25 (8.33)	0.80			
> 75 years	39 (6.44)	83 (6.19)	55 (6.03)	0.93			
<i>Sex</i>							
Women	19 (3.79)	44 (2.54)	35 (3.44)	0.68			
Men	33 (5.76)	75 (4.84)	49 (4.21)	0.32			
MACE							
<i>Age</i>							
< 65 years	4 (2.83)	6 (1.59)	6 (1.37)	0.53			

65-75 years	5	(1.53)	21	(2.35)	23	(2.77)	0.47
> 75 years	15	(2.48)	57	(4.25)	31	(3.40)	0.12
<i>Sex</i>							
Women	12	(2.39)	27	(2.54)	31	(3.05)	0.70
Men	12	(2.09)	57	(3.67)	29	(2.49)	0.07

BMI: body mass index; MACE: major adverse cardiovascular events (composite of ischemic stroke, myocardial infarction and cardiovascular and total mortality).