

Appendix S1. ChiOTEAF Registry Investigators

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Table S1. Predictors of the ABC compliance among patients with atrial fibrillation and multimorbidity.

	Univariate			Multivariate			
	Odds	95% CI	P	Odds	95% CI	P	
	ratio			ratio			
Age	0.97	0.96-0.98	< 0.001	0.98	0.97-0.99	<0.001	
Female sex	1.01	0.93-1.27	0.317				
Diabetes mellitus	1.03	0.88-1.21	0.711				
Hypertension	1.58	1.32-1.89	< 0.001	1.50	1.23-1.82	< 0.001	
Heart failure	0.82	0.70-0.96	0.014	-	-	-	
Coronary artery	0.58	0.49-0.69	< 0.001	0.55	0.46-0.65	< 0.001	
disease							
Prior ischemic	1.11	0.93-1.31	0.242				
stroke							
Prior major	0.11	0.05-0.23	< 0.001	0.14	0.06-0.29	< 0.001	
bleeding							
Chronic kidney	0.58	0.46-0.75	< 0.001	0.66	0.51-0.86	0.002	
disease							
Liver disease	0.76	0.52-1.12	0.16				
COPD	0.58	0.44-0.76	< 0.001	0.71	0.53-0.96	0.025	
Sleep apnea	1.23	0.84-1.79	0.288				
Polypharmacy	1.87	1.59-2.18	< 0.001	2.15	1.81-2.55	< 0.001	

 $[\]mbox{CI}-\mbox{confidence}$ interval; $\mbox{COPD}-\mbox{chronic}$ obstructive pulmonary disease; $\mbox{OAC}-\mbox{oral}$ anticoagulation.

Table S2. Effects of ABC compliance on clinical outcomes (composite outcome; all-cause death; any thromboembolism; major bleeding) among patients with multimorbidity and polypharmacy.

Outcomes	ABC	Non-ABC	P^	Odds ratio*
	N=621	N=582		(95% CI)
	n (%)	n (%)		
Composite	10 (1.6)	31 (5.3)	< 0.001	0.38 (0.18-0.79)
outcome#				
All-cause death	7 (1.1)	18 (3.1)	0.017	0.49 (0.20-1.20)
TE events	4 (0.6)	15 (2.6)	0.007	0.31 (0.10-0.94)
Major bleeding	10 (1.6)	5 (0.9)	0.242	2.43 (0.81-7.26)

^{*}Adjusted for age.

 $TE-thromboembolism;\ CI-confidence\ interval.$

[#] Composite outcome of all-cause death/any thromboembolism

[^] Between-group comparison made by $\chi 2$ test

Table S3. The effects of ABC compliance on clinical outcomes (composite outcome; all-cause death; any thromboembolism; major bleeding) among overall multimorbidity cohort.

Outcomes	ABC	Non-ABC	P^	Odds ratio*
	N=1133	N=3511		(95% CI)
	n (%)	n (%)		
Composite	20 (1.8)	441 (12.6)	< 0.001	0.19 (0.12-0.30)
outcome#				
All-cause death	13 (1.1)	377 (10.7)	< 0.001	0.15 (0.09-0.27)
TE events	8 (0.7)	84 (2.4)	< 0.001	0.39 (0.19-0.83)
Major bleeding	13 (1.1)	77 (2.2)	0.025	0.71 (0.39-1.29)

^{*}Adjusted for age.

TE – thromboembolism; CI – confidence interval.

[#] Composite outcome of all-cause death/any thromboembolism

[^] Between-group comparison made by $\chi 2$ test

Table S4. The effects of ABC compliance on clinical outcomes (composite outcome; all-cause death; any thromboembolism; major bleeding) among overall polypharmacy cohort.

Outcomes	ABC	Non-ABC	P^	Odds ratio*
	N=687	N=1575		(95% CI)
	n (%)	n (%)		
Composite	11 (1.6)	173 (11.0)	< 0.001	0.19 (0.10-0.36)
outcome#				
All-cause death	8 (1.2)	143 (9.1)	< 0.001	0.18 (0.09-0.37)
TE events	4 (0.6)	36 (2.3)	0.003	0.35 (0.12-0.99)
Major bleeding	10 (1.5)	32 (2.0)	0.345	0.98 (0.47-2.05)

^{*}Adjusted for age.

TE – thromboembolism; CI – confidence interval.

[#] Composite outcome of all-cause death/any thromboembolism

[^] Between-group comparison made by $\chi 2$ test