

SUPPLEMENTAL MATERIAL

Table S1. Antithrombotic strategies before and after a bleeding event by estimated stroke risk

CHA ₂ DS ₂ -VASc < 2					
		Overall N=97	Treatment Prior to bleed		
			TT N=2	APT + OAC N=26	OAC Only N=69
Treatment After Bleed	Triple therapy	---	---	---	---
	Antiplatelet +OAC	25.8	50.0	76.9	5.8
	OAC Only	64.9	0.0	11.5	87.0
	Dual Antiplatelet	2.1	50.0	3.8	0.0
	Antiplatelet Only	3.1	0.0	3.8	2.9
	No Antithrombotic Therapy	4.1	0.0	3.8	4.3
	Missing	---	---	---	---
CHA ₂ DS ₂ -VASc ≥ 2					
		Overall N=2559	Treatment Prior to Bleed		
			TT N=76	APT + OAC N=959	OAC Only N=1524
Treatment After Bleed	Triple therapy	2.0	42.1	1.1	0.5
	Antiplatelet +OAC	32.6	30.3	75.9	5.5
	OAC Only	54.0	7.9	10.9	83.3
	Dual Antiplatelet	1.0	11.8	0.5	0.7
	Antiplatelet Only	4.7	3.9	7.2	3.1
	No Antithrombotic Therapy	5.7	3.9	4.2	6.8
	Missing	0.1	0.0	0.1	0.1

APT = antiplatelet therapy; OAC = oral anticoagulation; TT = triple therapy.

Table S2. Antithrombotic strategies before and after a bleeding event by history of GI bleed.

No History of GI Bleed					
		Overall N=2397	Treatment Prior to bleed		
			TT N=71	APT + OAC N=904	OAC Only N=1422
Treatment After Bleed	Triple therapy	1.8	38.0	1.1	0.5
	Antiplatelet +OAC	33.0	31.0	76.1	5.6
	OAC Only	54.3	8.5	11.2	84.0
	Dual Antiplatelet	1.0	14.1	0.6	0.6
	Antiplatelet Only	4.5	4.2	7.1	3.0
	No Antithrombotic Therapy	5.3	4.2	3.9	6.2
	Missing	0.1	0.0	0.1	0.1
History of GI Bleed					
		Overall N=259	Treatment Prior to Bleed		
			TT N=7	APT + OAC N=81	OAC Only N=171
Treatment After Bleed	Triple therapy	2.3	71.4	1.2	0.0
	Antiplatelet +OAC	27.1	28.6	74.1	4.7
	OAC Only	54.8	0.0	8.6	78.9
	Dual Antiplatelet	1.2	0.0	1.2	1.2
	Antiplatelet Only	5.4	0.0	7.4	4.7
	No Antithrombotic Therapy	9.3	0.0	7.4	10.5
	Missing	---	---	---	---

APT = antiplatelet therapy; GI = gastrointestinal; OAC = oral anticoagulation; TT = triple therapy.

Table S3. Major bleeding event characteristics by age, race, and sex.

	Overall	Age<75 (n=187)	Age≥75 (n=296)	p- value‡	Male (n=249)	Female (n=234)	p- value‡	Non- White (n=39)	White (n=443)
Fall in hemoglobin*	68.9	71.1	67.6	0.4112	68.7	69.2	0.8951	51.3	70.4
Transfusion†	49.9	51.3	49.0	0.6152	47.0	53.0	0.1877	46.2	50.1
Bleeding in a critical site	22.2	21.9	22.3	0.9236	22.9	21.4	0.6872	25.6	21.9
Bleeding site				0.0019			0.4356		
ENT	2.3	2.7	2.0		2.8	1.7		0.0	2.5
GU	4.3	4.3	4.4		4.4	4.3		7.7	4.1
Vascular Access Site	2.3	4.3	1.0		2.0	2.6		5.1	2.0
GI	43.1	39.0	45.6		47.8	38.0		43.6	42.9
CNS	8.5	4.3	11.1		7.6	9.4		7.7	8.6
Perioperative	10.8	16.0	7.4		10.0	11.5		2.6	11.5
Other	27.1	27.3	27.0		24.1	30.3		30.8	26.9
Missing	1.7	2.1	1.4		1.2	2.1		2.6	1.6

CNS = central nervous system; ENT = ear, nose and throat; GI = gastrointestinal; GU = genitourinary.

*Fall in hemoglobin of 20 g L⁻¹ (1.24 mmol L⁻¹) or more

†2 or more units of packed red blood cells or whole blood

‡p-values from chi-squared tests