

Supplementary items:

Supplementary tables

- Supplementary table 1: Clinical outcomes
- Supplementary table 2: The comparison of DAPT duration between baseline demographics in a population limited to patients who were able to complete any DAPT period without any events.

Supplementary figure

- Supplementary Figure 1: the event-free survival rate of primary outcome (A), thromboembolic events (B), bleeding events (C), and death (D). Comparison between multiple stenting group (left columns) and single stent group (right columns).
- Supplementary Figure 2: Kaplan-Meier curve demonstrating the ratio of procedure-unrelated major and minor bleeding events during DAPT.
- Supplementary Figure 3: The effect of DAPT duration on log relative hazard for thromboembolic events after switching to monotherapy.

Supplementary Table 1-1: Clinical outcome

Variables	all (n=632)	FD (n=209)	SAC (n=423)
Major events, n (%)	63 (10%)	26 (12.4%)	37 (8.7%)
Target vessel-related thromboembolic events	42 (6.7%)	19 (9.1%)	23 (5.5%)
Thrombotic occlusion	8	5	3
In-stent thrombosis	8	1	7
Major stroke	12	5	7
Minor stroke	10	5	5
TIA	6	3	3
Ocular ischemia	2	0	2
Procedure-unrelated major bleeding events	18 (2.8%)	8 (3.8%)	10 (2.4%)
Fatal hemorrhage	2	1	1
Symptomatic bleed in a critical area or organ	11	6	5
Fall in Hb 2g/dal or transfusion > 2 units	8	2	6
Death	9 (1.4%)	3 (1.4%)	6 (1.4%)
Other events, n (%)			
Asymptomatic ischemic lesions on MRI-DWI	82 (12.8%)	49 (23.4%)	33 (7.9%)
Stroke or TIA unrelated with the territory	3 (0.5%)	3 (1.4%)	0
Clinically relevant non-major bleeding	12 (1.9%)	4 (1.9%)	8 (1.9%)
Procedure-related major bleeding events	19 (2.8%)	4 (1.9%)	15 (3.5%)

Abbreviations; FD, flow diverter; SAC, stent-assisted coiling; TIA, transient ischemic attack; Hb, hemoglobin; MRI-DWI, diffusion-weighted magnetic resonance imaging,

Supplementary Table 1-2: Clinical outcome (FD, SAC x short-, long-DAPT)

Variables	FD		SAC	
	short DAPT (n = 25)	long DAPT (n =184)	short DAPT (n=124)	long DAPT (n = 299)
Major events, n (%)	5 (20%)	21 (11.4%)	11 (8.9%)	26 (8.7%)
Target vessel-related thromboembolic events	2 (8%)	17 (9.2%)	7 (5.6%)	16 (5.4%)
Thrombotic occlusion	0	5	2	1
In-stent thrombosis	0	1	1	6
Major stroke	1	4	1	6
Minor stroke	1	4	3	2
TIA	0	3	0	3
Ocular ischemia	0	0	2	0
Procedure-unrelated major bleeding events	2 (8%)	6 (3.2%)	2 (1.6%)	8 (2.7%)
Fatal hemorrhage	1	0	0	1
Symptomatic bleed in a critical area or organ	1	5	0	5
Fall in Hb 2g/dal or transfusion > 2 units	1	1	2	4
Death	2 (8%)	1 (0.5%)	3 (2.4%)	3 (1%)
Other events, n (%)				
Asymptomatic ischemic lesions on MRI-DWI	3 (12%)	46 (23.9%)	8 (6.5%)	25 (8.4%)
Stroke or TIA unrelated with the territory	0	3 (1.6%)	0	0
Clinically relevant non-major bleeding	0	4 (2.2%)	2 (1.1%)	6 (2%)
Procedure-related major bleeding events	0	4 (2.2%)	6 (4.8%)	9 (3%)

Abbreviations; FD, flow diverter; SAC, stent-assisted coiling; DAPT, dual antiplatelet therapy; TIA, transient ischemic attack; Hb, hemoglobin; MRI-DWI, diffusion-weighted magnetic resonance imaging

Supplementary Table 2; The comparison of DAPT duration between baseline demographics in a population limited to patients who were able to complete any DAPT period without any events.

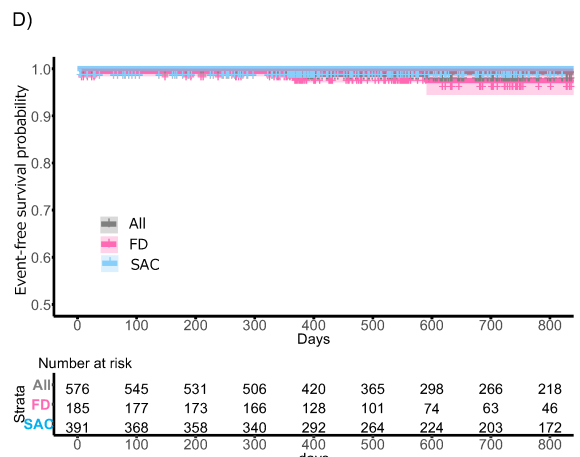
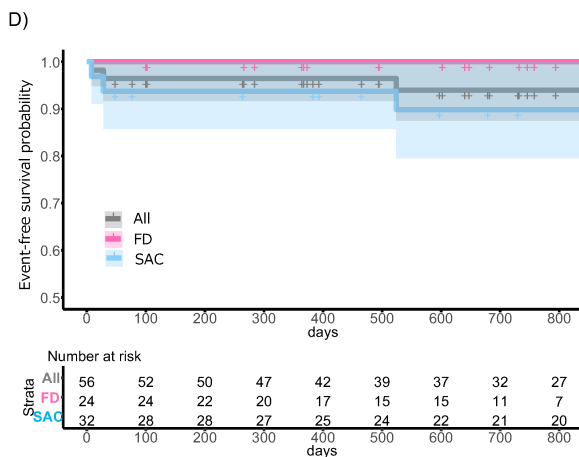
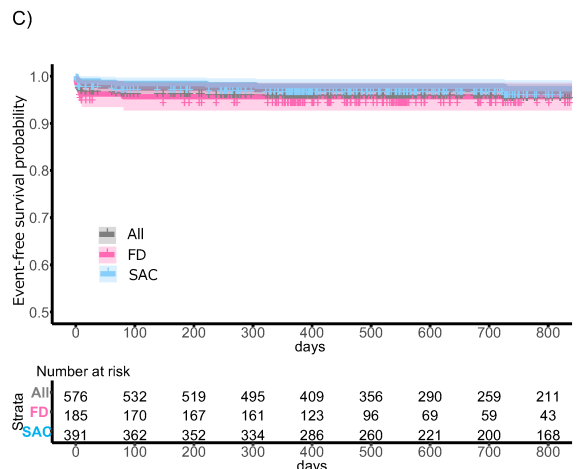
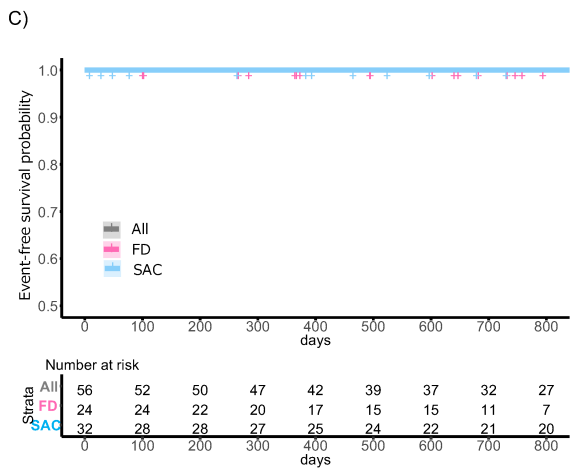
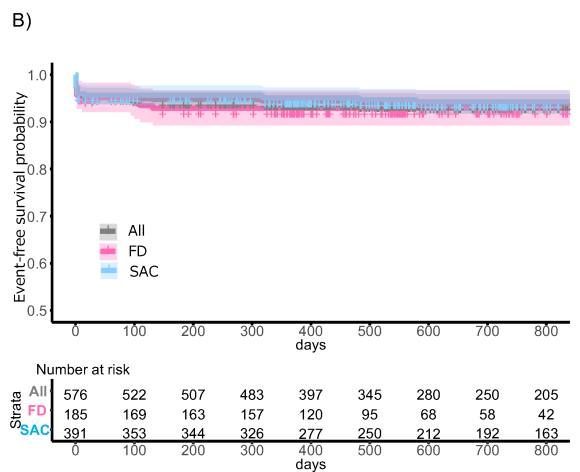
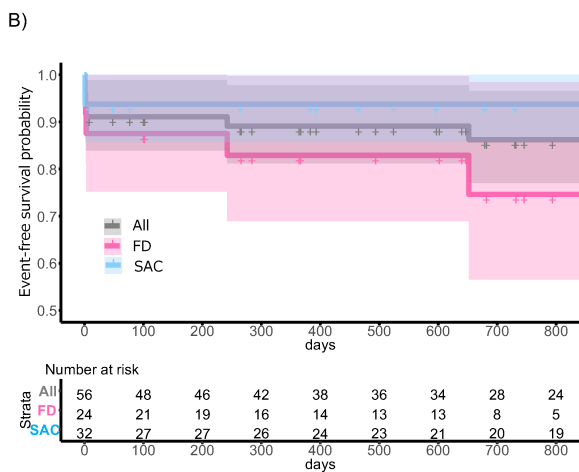
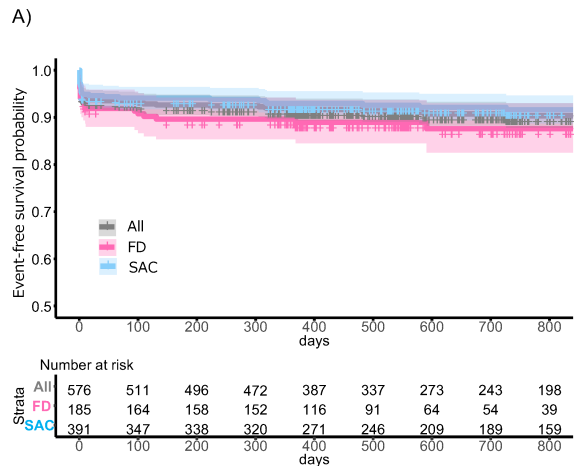
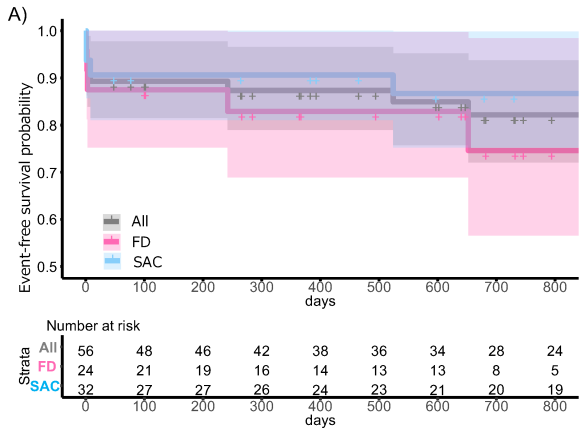
		all (n=527)	short-DAPT (n=87)	Long-DAPT (n=440)	P value
sex	female	410 (77.8%)	77 (88.5%)	333 (75.7%)	0.009
	male	117 (22.2%)	10 (11.5%)	107 (24.3%)	
age		64 (53, 71)	66 (54, 72)	63 (52, 71)	0.277
BMI		22.4 (20.2, 25.1)	21.3 (19.9, 24.2)	22.6 (20.4, 25.2)	0.046
HTN		256 (48.6%)	43 (49.4%)	213 (48.4%)	0.862
DM		34 (6.5%)	9 (10.3%)	25 (5.7%)	0.106
DLP		124 (23.5%)	22 (25.3%)	102 (23.2%)	0.672
aneurysm size, mm		7.6 (5.5, 12.0)	6.4 (5.2, 9.2)	8.0 (5.6, 12.4)	0.006
>10 mm		348 (66.0%)	68 (78.2%)	280 (63.6%)	0.009
PRU values		173 (121, 217)	157 (117.5, 205)	179 (123, 217.8)	0.185
tailored		111 (22.6%)	20 (23.0%)	91 (22.5%)	0.916
OAC		12 (2.4%)	6 (6.9%)	6 (1.5%)	0.003
flow diverter		165 (31.3%)	8 (9.2%)	157 (35.7%)	<0.001
multiple stents		43 (8.2%)	3 (3.4%)	40 (9.1%)	0.079
with coils		404 (76.7%)	80 (92.0%)	324 (73.6%)	<0.001

Abbreviations: BMI, body mass index; DAPT, dual antiplatelet therapy; DLP, dyslipidemia; DM, diabetes mellitus; HTN, hypertension; OAC, oral anticoagulants; PRU, P2Y12 reaction unit

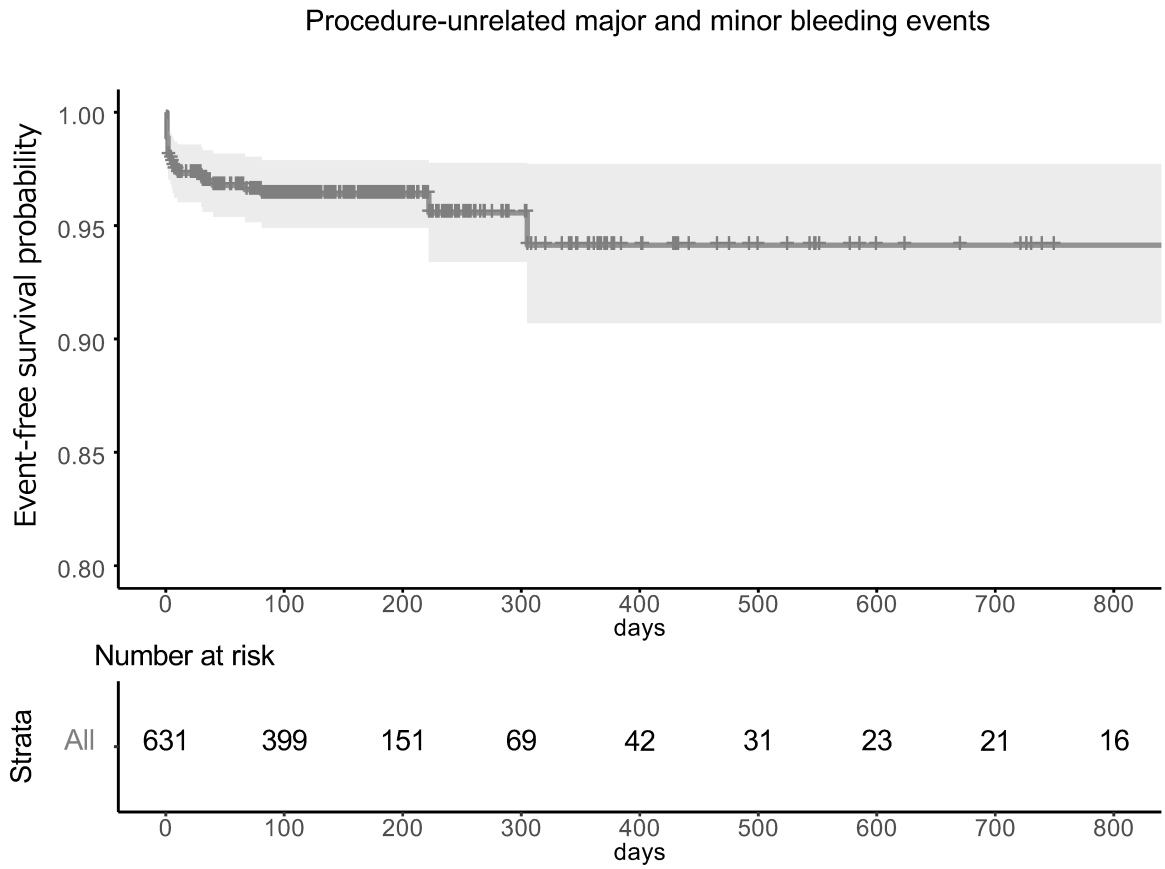
Supplementary Fig.1

multiple stents

single stent



Supplementary Fig.2



Supplementary Fig.3

The effect of DAPT duration on log relative hazard ratio for thromboembolic event after switching to monotherapy

