

**Supplementary Table 1 Embolic event cases**

No	Age	Sex	day for event	Primary disease	type of DOAC	Duration of DOAC	Details of VTE
1	55	F	9	osteoarthritis of the hip	edoxaban	38 days	DVT extension above knee
2	72	F	14	osteoarthritis of the knee	edoxaban	229 days	DVT extension above knee
3	71	F	75	osteoarthritis of the knee	edoxaban	141 days	DVT extension above knee

**Supplementary Table 2 Bleeding event cases**

No	Age	Sex	day for bleeding	Primary disease	type of DOAC	Duration of DOAC	HAS-BLED score	Location of bleeding	BARC	Primary disease related	Procedure related
1	74	F	33	rheumatoid arthritis	apixaban	351 days	3	digestive tract bleeding	2	No	No
2	82	M	10	postoperative osteoarthritis of the knee	edoxaban	22 days	3	postoperative intra-articular bleeding	2	Yes	Yes
3	81	F	185	umber vertebral compression fracture	apixaban	365 days	4	hemorrhoidal bleeding	2	No	No
4	62	F	1	postoperative osteoarthritis of the knee	edoxaban	1 day	1	postoperative intra-articular bleeding	3	Yes	Yes
5	85	F	1	postoperative osteoarthritis of the knee	edoxaban	92 days	3	postoperative intra-articular bleeding	3	Yes	Yes
6	77	F	46	postoperative osteoarthritis of the knee	edoxaban	47 days	4	nose bleeding	2	No	No
7	89	F	14	postoperative fracture of the thigh bone	edoxaban	101 days	2	fundus hemorrhage	2	No	No
8	75	F	42	postoperative osteoarthritis of the knee	edoxaban	42 days	3	postoperative intra-articular bleeding	2	Yes	Yes
9	72	F	18	postoperative osteoarthritis of the knee	edoxaban	19 days	4	postoperative intra-articular bleeding	2	Yes	Yes
10	71	F	48	postoperative osteoarthritis of the knee	edoxaban	49 days	3	postoperative intra-articular bleeding	2	Yes	Yes