

**Supplemental Table 1. Incidence of postoperative symptomatic VTE**

	Total cases	VTE	PE	PE with hypoxia	PE with shock	PE with arrest
<b>Overall</b>	203943	137 (0.067%)	57 (0.028%)	35 (0.017%)	9 (0.004%)	6 (0.003%)
<b>Type of anaesthesia</b>						
Inhalation general anaesthesia	110833	49 (0.044%)	23 (0.021%)	13 (0.012%)	3 (0.003%)	1 (0.001%)
Total venous general anaesthesia	25467	12 (0.047%)	3 (0.012%)	1 (0.004%)	1 (0.004%)	1 (0.004%)
Inhalation general anaesthesia combined with regional anaesthesia	34872	46 (0.132%)	19 (0.054%)	11 (0.032%)	2 (0.006%)	2 (0.006%)
Total venous general anaesthesia combined with regional anaesthesia	12863	10 (0.078%)	5 (0.039%)	4 (0.031%)	2 (0.016%)	1 (0.008%)
Combined spinal and epidural anaesthesia	4078	4 (0.098%)	0 (0.000%)	0 (0.000%)	0 (0.000%)	0 (0.000%)
Epidural anaesthesia	623	0 (0.000%)	0 (0.000%)	0 (0.000%)	0 (0.000%)	0 (0.000%)
Spinal anaesthesia	13522	16 (0.118%)	7 (0.052%)	6 (0.044%)	1 (0.007%)	1 (0.007%)
Conduction anaesthesia	560	0 (0.000%)	0 (0.000%)	0 (0.000%)	0 (0.000%)	0 (0.000%)
Other	1125	0 (0.000%)	0 (0.000%)	0 (0.000%)	0 (0.000%)	0 (0.000%)
<b>ASA classification</b>						
ASA PS class 1	56196	16 (0.028%)	7 (0.012%)	5 (0.009%)	1 (0.002%)	1 (0.002%)
ASA PS class 2	98410	85 (0.086%)	37 (0.038%)	22 (0.022%)	4 (0.004%)	2 (0.002%)

ASA PS class 3	25563	17	(0.067%)	2	(0.008%)	2	(0.008%)	1	(0.004%)	1	(0.004%)
ASA PS class 4	549	1	(0.182%)	0	(0.000%)	0	(0.000%)	0	(0.000%)	0	(0.000%)
ASA PS class 5	11	0	(0.000%)	0	(0.000%)	0	(0.000%)	0	(0.000%)	0	(0.000%)
ASA PS class 6	1	0	(0.000%)	0	(0.000%)	0	(0.000%)	0	(0.000%)	0	(0.000%)
ASA PS class 1E	5300	3	(0.057%)	3	(0.057%)	0	(0.000%)	0	(0.000%)	0	(0.000%)
ASA PS class 2E	9575	6	(0.063%)	5	(0.052%)	4	(0.042%)	2	(0.021%)	1	(0.010%)
ASA PS class 3E	6514	5	(0.077%)	2	(0.031%)	1	(0.015%)	0	(0.000%)	0	(0.000%)
ASA PS class 4E	1446	4	(0.277%)	1	(0.069%)	1	(0.069%)	1	(0.069%)	1	(0.069%)
ASA PS class 5E	109	0	(0.000%)	0	(0.000%)	0	(0.000%)	0	(0.000%)	0	(0.000%)
ASA PS class 6E	1	0	(0.000%)	0	(0.000%)	0	(0.000%)	0	(0.000%)	0	(0.000%)
Classification error	268	-	-	-	-	-	-	-	-	-	-

Surgical position

Supine position	147838	100	(0.068%)	39	(0.026%)	22	(0.015%)	5	(0.003%)	3	(0.002%)
Prone position	10106	6	(0.059%)	2	(0.020%)	2	(0.020%)	1	(0.010%)	1	(0.010%)
Lateral position	20642	18	(0.087%)	7	(0.034%)	4	(0.019%)	2	(0.010%)	2	(0.010%)
Lithotomy position	22882	11	(0.048%)	8	(0.035%)	6	(0.026%)	1	(0.004%)	0	(0.000%)
Sitting position	1069	0	(0.000%)	0	(0.000%)	0	(0.000%)	0	(0.000%)	0	(0.000%)
Other	1406	2	(0.142%)	1	(0.071%)	1	(0.071%)	0	(0.000%)	0	(0.000%)

Age (years old)

0-5	9518	0	(0.000%)	0	(0.000%)	0	(0.000%)	0	(0.000%)	0	(0.000%)
6-18	10255	2	(0.020%)	0	(0.000%)	0	(0.000%)	0	(0.000%)	0	(0.000%)

19-65	99283	47	(0.047%)	19	(0.019%)	11	(0.011%)	4	(0.004%)	3	(0.003%)
66-85	79796	82	(0.103%)	36	(0.045%)	22	(0.028%)	4	(0.005%)	2	(0.003%)
86-	5081	6	(0.118%)	2	(0.039%)	2	(0.039%)	1	(0.020%)	1	(0.020%)
Classification error	10	-	-	-	-	-	-	-	-	-	-

Sex

Men	99712	45	(0.045%)	16	(0.016%)	10	(0.010%)	2	(0.002%)	1	(0.001%)
Women	104223	92	(0.088%)	41	(0.039%)	25	(0.024%)	7	(0.007%)	5	(0.005%)
Classification error	8	-	-	-	-	-	-	-	-	-	-

All data were described as number and percentage.

Abbreviations: ASA PS, American society anesthesiologists performance status; PE, pulmonary embolism; VTE, venous thromboembolism

Supplemental Table 2. Details of clinical events within 90 days after postoperative symptomatic VTE events

Case Number	Age	Sex	BMI	Time from index VTE to events (days)	Types of index VTE	Time from surgery to index VTE (days)	Surgical site	ASA classification	Type of anaesthesia	Surgical position	Preexisting Medical Conditions	History of VTE or major bleeding
Cases of recurrent VTE												
1	73	Woman	24.8	9	PE with DVT	5	Brain	2	GA(I)	Spinal position		
2	69	Woman	26.5	48	PE	4	Upper abdomen	2	GA(I) with RA	Spinal position	AC	
3	75	Man	21.3	27	PE with DVT	21	Lower abdomen	2	SA	Lithotomy position	HT, DM, CKD, AC	
4	53	Man	21.6	7	DVT	11	Brain	2	GA(I)	Spinal position	HT, CKD	
5	40	Woman	14.3	59	DVT	7	Lower abdomen	2	GA(I) with RA	Spinal position	CKD, AC	
6	60	Woman	25.8	38	DVT	6	Lower abdomen	1	TIVA	Spinal position	CKD	

7	75	Woman	17.7	17	DVT	4	Lower abdomen	2	GA(I) with RA	Spinal position	CKD (Dialysis), AC	Major bleeding
Cases of major bleeding												
1	73	Woman	24.8	25	PE with DVT	5	Brain	2	GA(I)	Spinal position		
5	40	Woman	14.3	44	DVT	7	Lower abdomen	2	GA(I) with RA	Spinal position	CKD, AC	
7	75	Woman	17.7	62	DVT	4	Lower abdomen	2	GA(I) with RA	Spinal position	CKD (Dialysis), AC	Major bleeding
8	62	Woman	22.3	3	PE	10	Brain	2	TIVA	Spinal position	AC	VTE, Major bleeding
9	49	Man	22.5	4	PE	1	Brain	2	GA(I)	Spinal position	HT, Af, AC	
10	59	Woman	22.4	16	PE with DVT	20	Brain	3E	GA(I)	Spinal position	HT, CKD,	Major bleeding

11	50	Man	23.5	14	PE with DVT	7	Head, pharynx, larynx	2E	GA(I)	Spinal position	AC
12	93	Woman	15.5	1	PE	0	Hip, upper / lower limbs	2	SA	Lateral position	HT, CKD
13	55	Woman	20.2	6	DVT	2	Hip, upper / lower limbs	3	SA	Spinal position	MI, CTD

Cases of all-cause death

7	75	Woman	17.7	85	DVT	4	Lower abdomen	2	GA(I) with RA	Spinal position	CKD (Dialysis), AC	Major bleeding
10	59	Woman	22.4	17	PE with DVT	20	Brain	3E	GA(I)	Spinal position	HT, CKD,	Major bleeding
12	93	Woman	15.5	10	PE	0	Hip, upper / lower limbs	2	SA	Lateral position	HT, CKD	

14	65	Man	23.0	1	PE	1	Thorax	3	GA(I) with RA	Lateral position	CLD, LC	
15	66	Woman	27.3	1	PE with DVT	8	Spine	2	TIVA	Prone position	HT, DM	
16	42	Woman	25.9	1	PE	20	Hip, upper / lower limbs	2E	TIVA with RA	Spinal position		
17	68	Man	24.4	34	DVT	29	Hip, upper / lower limbs	3	SA	Spinal position	DM, CKD, AC	Major bleeding

Abbreviations: BMI, body mass index; DVT, deep venous thrombosis; PE, pulmonary embolism; VTE, venous thromboembolism; GA(I), inhalation general anaesthesia; TIVA, total venous general anaesthesia; GA(I) with RA, inhalation general anaesthesia combined with regional anaesthesia; TIVA with RA, total venous general anaesthesia combined with regional anaesthesia; SA, Spinal anaesthesia, AC, active cancer; Af, atrial fibrillation; CKD, chronic kidney disease; CLD, chronic lung disease; CTD, connective tissue disease; DM, diabetes mellitus; HT, hypertension; LC, liver cirrhosis; MI, myocardial infarction

