

Table S2. Predictor Characteristics in analysis population C

Predictors	Overall, n=4293	No Delirium, n=4087	Delirium, n=206	P value	% Missing
Predisposing risk factors					
Age, year	71.0 (63.0-77.0)	70.0 (62.0-77.0)	77.0 (71.0-83.0)	<0.001	0.0
Body mass index, kg/m ²	23.1 (20.8-25.5)	23.1 (20.8-25.6)	22.0 (19.9-24.1)	<0.001	0.0
Men	2491 (58.0)	2349 (57.5)	142 (68.9)	0.001	0.0
Take of benzodiazepine medications	70 (1.7)	61 (1.6)	9 (4.5)	0.005	5.5
Take of opioid medications	23 (0.6)	16 (0.4)	7 (3.5)	<0.001	5.5
Take of steroid medications	35 (0.9)	28 (0.7)	7 (3.5)	<0.001	5.5
Dementia	98 (2.4)	81 (2.1)	17 (8.5)	<0.001	5.5
Brain tissue disorder	402 (9.9)	375 (9.7)	27 (13.4)	0.111	5.5
Heavy drinker	17 (0.4)	15 (0.4)	2 (1.0)	0.205	5.5
History of delirium	62 (1.5)	45 (1.2)	17 (8.5)	<0.001	5.5
Room at hospitalization				0.07	0.0
Bay of general ward	1825 (42.5)	1722 (42.1)	103 (50.0)		
Intensive care unit	4 (0.1)	4 (0.1)	0 (0.0)		
Private room of general ward	2464 (57.4)	2361 (57.8)	103 (50.0)		
Pre-operative factors					
Numerical Rating Scale-MAX	0 (0-0)	0 (0-0)	0 (0-0)	0.818	0.4
Circadian rhythm problems	5 (0.1)	3 (0.1)	2 (1.0)	0.021	0.0
Physical restraints	10 (0.2)	9 (0.2)	1 (0.5)	0.389	0.0
Peripheral vein catheter insertion	1745 (40.6)	1644 (40.2)	101 (49.0)	0.015	0.0
Central venous catheter insertion	295 (6.9)	266 (6.5)	29 (14.1)	<0.001	0.0
Indwelling urinary catheter insertion	1424 (33.2)	1336 (32.7)	88 (42.7)	0.004	0.0
Ventilator fitted	4049 (94.3)	3866 (94.6)	183 (88.8)	0.001	0.0
Central venous port insertion	18 (0.4)	16 (0.4)	2 (1.0)	0.213	0.0

Surgery-related factors

Anesthesia time, minute	262 (174-360)	259 (173-355)	355 (204-488)	<0.001	0.0
Amount of blood loss, ml	50 (5-235)	40 (5-210)	190 (10-913)	<0.001	0.3
Surgery site				<0.001	0.0
Cerebral nerves and cerebrovascular	556 (13.0)	525 (12.8)	31 (15.0)		
Chest wall, abdominal wall, perineum	71 (1.7)	68 (1.7)	3 (1.5)		
Head, neck, and throat	11 (0.3)	11 (0.3)	0 (0.0)		
Heart and vascular	670 (15.6)	604 (14.8)	66 (32.0)		
Hip joints and extremities	552 (12.9)	531 (13.0)	21 (10.2)		
Lower abdominal viscera	851 (19.8)	828 (20.3)	23 (11.2)		
Thoracic and abdominal	11 (0.3)	10 (0.2)	1 (0.5)		
Thoracic cavity and mediastinum	578 (13.5)	573 (14.0)	5 (2.4)		
Upper abdominal viscera	988 (23.0)	932 (22.8)	56 (27.2)		
Other	5 (0.1)	5 (0.1)	0 (0.0)		
ASA physical status Class				<0.001	0.5
1	332 (7.8)	331 (8.1)	1 (0.5)		
2	2889 (67.6)	2793 (68.7)	96 (46.8)		
3	996 (23.3)	895 (22.0)	101 (49.3)		
4	52 (1.2)	46 (1.1)	6 (2.9)		
5	3 (0.1)	2 (0.0)	1 (0.5)		

Data are expressed as median (interquartile range), number (%).