

Supplementary Table 1 Clinical and laboratory parameters in all study participants and according to delirium occurrence

Clinical parameters	All(n 202)	= No Delirium (n = 143)	Delirium (n = 59)	P value
SAP (mmHg)	121 ± 20	123 ± 20	117 ± 18	0.064
DAP (mmHg)	62 ± 10	63 ± 11	61 ± 10	0.148
MAP (mmHg)	80 ± 12	81 ± 12	77 ± 11	0.017
Heart rate (bpm)	86 ± 15	85 ± 14	88 ± 17	0.110
Temperature (oC)	36.4 ± 1.1	36.4 ± 1.2	36.3 ± 1.1	0.595
SpO2 (%)	99.8 ± 1	99.6 ± 1.4	99.9 ± 0.6	0.088
CVP (mmHg)	12 ± 4	12 ± 4	13 ± 4	0.295
Laboratory parameters				
Hematocrit (%)	31 ± 3	31 ± 3	31 ± 4	0.721
Hemoglobin (gr/dl)	10 ± 1	10 ± 1.1	10 ± 1.2	0.581
WBC (x10 ³ /uL)	10.7 ± 3.7	10.5 ± 3.8	11.0 ± 3.3	0.429
Platelets (x10 ³ /uL)	138 ± 52	142 ± 52	127 ± 52	0.057

Glucose (mg/dl)	156 ± 40	153 ± 38	163 ± 43	0.099
Sodium (mEq/L)	141 ± 3	141 ± 3	140 ± 3	0.141
Potassium (mEq/L)	4.6 ± 0.5	4.6 ± 0.5	4.6 ± 0.6	0.540
Urea before surgery (mg/dl)	35 (30-46)	33 (28-40)	40 (34-52)	0.001
Creatinine before surgery (mg/dl)	1 (0.8-1.1)	0.9 (0.8-1.1)	1 (0.9-1.4)	0.070
Creatinine after surgery (mg/dl)	0.9 (0.7-1.1)	0.8 (0.7-1.0)	1 (0.8-1.2)	0.012
Acute kidney injury, (%)	23	18	32	< 0.001
Total bilirubin (mg/dl)	0.8 (0.6 - 1.3)	0.8 (0.6 - 1.1)	1.1 (0.8 - 1.55)	0.001
hs-CRP (mg/L)	1.6 (0.9 - 4.5)	1.5 (0.7 - 3.1)	2.4 (1.1 - 9)	0.006
Plasma lactate (mmol/L)	1.8 (1.2 - 2.5)	1.6 (1.2 - 2.3)	2 (1.4 - 3.5)	0.015
Arterial blood gases				
pH	7.4	7.39 ± 0.05	7.39 ± 0.1	0.952

PaO2 (mmHg)	238 ± 107	235 ± 108	245 ± 107	0.545
PaCO2 (mmHg)	37 (34-40)	37 (34-40)	36 (33-40)	0.136
HCO3 (mEq/L)	23 ± 2	23 ± 2	22.6 ± 2.2	0.090
Base excess	-1.4 (-2.9 - -0.1)	-1.3 (-2.8 - 0.1)	-1.95 (-3.5 - 0.38)	0.022

SAP: Systolic arterial pressure; DAP: Diastolic arterial pressure; MAP: Mean arterial pressure; CVP: Central venous pressure; ICD: Implantable cardioverter-defibrillator; PAD: Peripheral artery disease.

Supplementary Table 2 Pharmaceutical support in all study participants and according to delirium occurrence

Pharmaceutical support	All (n = 202)	No Delirium(n = 143)	Delirium(n = 59)	P value
Pharmaceutical support upon admission to the cardiac surgery ICU				
Propofol IV drip (%)	197 (97.5)	140 (97.8)	57 (96.6)	0.626
Midazolam IV bolus (%)	43 (21.3)	28 (19.6)	15 (25.4)	0.530
Muscle relaxants (%)	12 (5.9)	8 (5.6)	4 (6.8)	0.746

Morphine (%)	117 (57.9)	85 (59.4)	32 (54.2)	0.414
Dexmedetomidine (%)	7 (3.5)	2 (1.4)	5 (8.5)	0.022
Adrenaline (%)	13 (6.4)	8 (5.6)	5 (8.5)	0.422
Noradrenaline (%)	62 (30.7)	37 (25.9)	25 (42.4)	0.015
Dobutamine (%)	123 (60.9)	81 (56.6)	42 (71.2)	0.070
Dopamine (%)	8 (4.0)	2 (1.4)	6 (10.2)	0.008
Vasopressin (%)	4 (2.0)	2 (1.4)	2 (3.4)	0.325

Pharmaceutical support during the cardiac surgery ICU stay

Furosemide IV drip (%)	35 (17.3)	13 (9.1)	22 (37.3)	< 0.001
Furosemide IV bolus (%)	159 (78.7)	111 (77.6)	48 (81.4)	0.609
Adrenaline (%)	17 (8.4)	11 (7.7)	6 (10.2)	0.531
Noradrenaline (%)	85 (42.1)	50 (35.0)	35 (59.3)	0.001
Dobutamine (%)	146 (72.3)	95 (66.4)	51 (86.4)	0.005
Dopamine (%)	11 (5.4)	4 (2.8)	7 (11.9)	0.014

Vasopressin (%)	12 (5.9)	4 (2.8)	8 (13.6)	< 0.001
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