

Supplementary Table 2. Characteristics of patients undergoing second revascularization with and without PACU delirium

Variable	Delirium (n = 65)	No delirium (n = 193)	P value
<i>Preoperative characteristics</i>			
Age (yr)	8.0 (5.5, 11.0)	8.0 (4.0, 10.0)	0.216
Sex (M/F)	38/27	122/71	0.495
Symptom progression (n)*	16 (24.6)	20 (10.4)	0.004
Newly developed cerebral infarction (n) [†]	6 (9.2)	12 (6.2)	0.410
Houkin's MRA score [‡]	10.0 (9.0, 11.0)	9.0 (7.0, 11.0)	0.067
PMMS [‡]	3.0 (2.0, 4.0)	1.0 (1.0, 2.0)	<0.001
<i>Intraoperative data during revascularization</i>			
Duration of surgery (min)	85.0 ± 11.6	85.4 ± 11.9	0.784
Duration of anesthesia (min)	119.7 ± 10.6	119.1 ± 11.2	0.699
TIVA (n)	27 (41.5)	159 (82.4)	<0.001
Intraoperative remifentanyl (µg/kg/min)	0 (0, 0.25)	0.3 (0, 0.4)	<0.001
Intraoperative fentanyl (µg/kg)	1.0 (1.0, 1.0)	1.0 (1.0, 1.0)	0.001
Estimated blood loss (ml/kg)	8.0 (6.0, 10.0)	8.0 (7.0, 10.0)	0.162
Blood transfusion during operation (n)	10 (15.4)	40 (20.7)	0.346
Fluid administration (ml/kg/h)	8.2 (7.0, 9.2)	8.0 (7.1, 9.4)	0.401
Norepinephrine dose (µg/kg/min)	0.10 (0.08, 0.14)	0.10 (0.06, 0.13)	0.396
Baseline MBP (mmHg)	97.0 (88.5, 103.0)	93.0 (85.0, 101.0)	0.076
TWA-MAP (mmHg)	91.0 (85.5, 96.0)	90.0 (84.0, 96.0)	0.531
Lowest MAP (mmHg)	72.0 (65.5, 75.0)	69.0 (64.5, 74.0)	0.143
ARV-MAP (mmHg/min)	1.65 (1.50, 1.90)	1.46 (1.24, 1.67)	<0.001
Maximal EtCO ₂ (mmHg)	41.6 ± 2.8	40.9 ± 3.3	0.142
Minimal EtCO ₂ (mmHg)	35.0 ± 2.9	34.8 ± 2.6	0.665
<i>Postoperative data in PACU</i>			
Pain Score (CHEOPS)			
- PACU admission	7.0 (6.0, 9.0)	7.0 (6.0, 8.0)	0.566
- PACU discharge	6.0 (6.0, 6.0)	6.0 (6.0, 6.0)	0.730
Cumulative hydromorphone (µg/kg)	4.0 (2.0, 6.0)	4.0 (2.0, 6.0)	0.947
Temperature at admission (°C)	37.0 ± 0.7	36.9 ± 0.6	0.198
Hematocrit at admission (%)	33.6 ± 5.3	32.7 ± 5.0	0.192
Serum sodium at admission (mmol/L)	136.0 (134.0, 139.0]	137.0 (135.5, 141.0)	0.074
Blood glucose at admission (mmol/L)	6.5 (5.9, 6.9)	6.3 (5.5, 7.2)	0.219

Values are presented as mean ± SD, number (%) or median (Q1, Q3). MRA: magnetic resonance angiography, PMMS: pediatric moyamoya MRI score, TIVA: total intravenous anesthesia, MBP: mean blood pressure, MAP: mean arterial pressure, TWA: time-weighted average, ARV: average real variability, EtCO₂: end-tidal carbon dioxide partial pressure, PACU: post-anesthesia care unit. *Indicates new types of symptoms and symptom extensions after the first surgical revascularization. [†]Indicates newly developed cerebral infarction after the first surgical revascularization. [‡]Indicates MRI or MRA findings at the consultation before the second revascularization.