

Supplementary Table 3. Association between various factors and PACU delirium by univariable and multivariable logistic regression analysis — patients undergoing the second revascularization

Risk factors	Univariable Analysis		
	Unadjusted OR	95% CI	P value
Age (yr)	1.06	0.97-1.15	0.177
Male	1.53	0.86-2.70	0.140
Symptom progression*	2.82	1.36-5.86	0.005
Newly developed cerebral infarction [†]	1.53	0.55-4.26	0.412
Houkin's MRA score [‡]	1.06	0.96-1.17	0.201
PMMS [‡]	4.21	2.85-6.23	<0.001
Duration of surgery (min)	0.99	0.97-1.02	0.783
Duration of anesthesia (min)	1.00	0.98-1.03	0.698
TIVA	0.15	0.08-0.28	<0.001
Intraoperative remifentanyl (µg/kg/min)	0.04	0.01-0.17	<0.001
Intraoperative fentanyl (µg/kg)	6.97	2.3-21.17	0.001
Baseline MBP (mmHg)	1.02	0.99-1.04	0.127
TWA-MAP (mmHg)	1.02	0.98-1.05	0.348
Lowest MAP (mmHg)	1.03	0.99-1.07	0.121
ARV-MAP (mmHg/min)	25.08	7.75-81.19	<0.001
Pain score (CHEOPS) at PACU admission	1.12	0.95-1.33	0.164
Pain score (CHEOPS) at PACU discharge	0.84	0.32-2.17	0.724
Hydromorphone rescue in PACU (µg/kg)	1.00	0.90-1.10	0.965
Risk factors	Multivariable Analysis		
	Adjusted OR	95% CI	P value
TIVA	0.25	0.12-0.53	<0.001
PMMS	3.50	2.32-5.28	<0.001
ARV-MAP (mmHg/min)	8.82	2.33-33.38	0.001

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, OR: odds ratio, 95% CI: 95% confidence interval. *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.