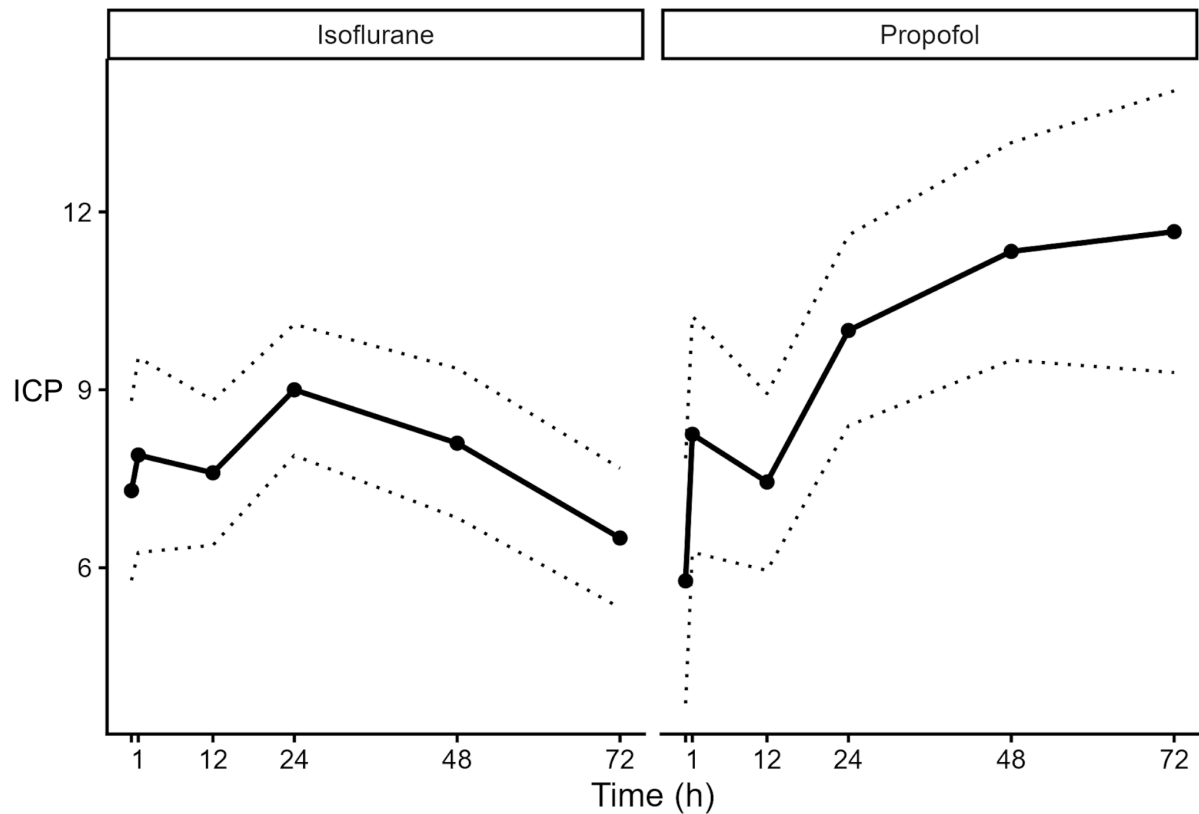
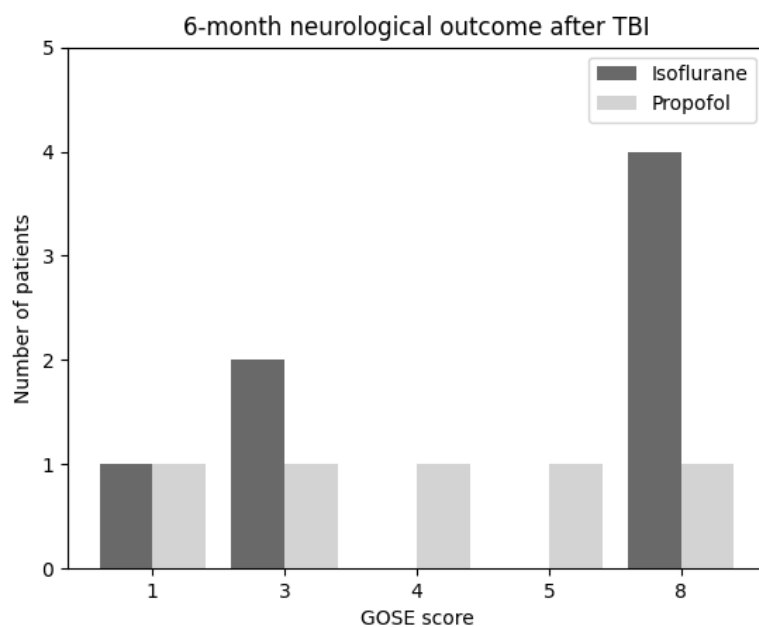


SUPPLEMENTARY MATERIAL:



Supplementary Figure 1. Evolution of intracranial pressure during the study period in the TBI subgroup. Abbreviations: Intracranial Pressure (ICP).



Supplementary Figure 2. GOSE score at 6 months in patients with TBI. Abbreviations: Traumatic Brain Injury (TBI), Glasgow Outcome Scale-Extended (GOSE).

		0h	1h	12h	24h	48h	72h
NOL <10	Isoflurane	9 (75.00%)	9 (75.00%)	11 (84.62%)	9 (81.82%)	7 (58.33%)	7 (63.64%)
	Propofol	8 (72.73%)	9 (81.82%)	8 (66.67%)	8 (61.54%)	5 (50.00%)	10 (90.91%)
NOL 10-25	Isoflurane	3 (25.00%)	3 (25.00%)	2 (15.38%)	2 (18.18%)	4 (33.33%)	4 (36.36%)
	Propofol	3 (27.27%)	2 (18.18%)	4 (33.33%)	5 (38.46%)	5 (50.00%)	1 (9.09%)
NOL >25	Isoflurane	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (8.33%)	0 (0.00%)
	Propofol	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
p.value		1.00	1.00	0.378	0.386	0.820	0.311

Supplementary Table 1. Objective nociception monitoring. Abbreviations: Nociception Level Index (NOL®).

		0h	1h	12h	24h	48h	72h
RASS	Isoflurane	-5 (.)	-5 (.)	-5.00 (0.00)	-4.67 (1.05)	-4.73 (0.59)	-4.67 (0.72)
	Propofol	-5 (.)	-5 (.)	-4.87 (0.35)	-4.93 (0.26)	-4.33 (1.11)	-4.27 (1.10)
	p.value	.	.	0.164	0.353	0.233	0.251
BIS	Isoflurane	47.20 (12.38)	46.87 (9.49)	44.40 (11.93)	45.67 (10.05)	44.27 (9.92)	43.60 (10.69)
	Propofol	47.47 (11.72)	47.13 (8.05)	45.80 (9.26)	48.00 (9.44)	49.86 (9.74)	45.86 (11.22)
	p.value	0.952	0.934	0.722	0.518	0.138	0.584
ICP (mmHg)	Isoflurane	7.57 (4.57)	8.27 (4.98)	7.53 (3.58)	9.47 (4.91)	7.93 (4.15)*	6.60 (4.15)*
	Propofol	7.79 (5.99)	9.69 (5.39)	8.67 (4.88)	10.13 (4.75)	11.21 (4.41)*	11.00 (5.82)*
	p.value	0.916	0.476	0.475	0.708	0.049*	0.029*
CPP (mmHg)	Isoflurane	67.60 (8.58)	70.07 (9.21)	68.20 (8.68)	71.07 (9.51)	77.00 (11.42)	80.53 (15.29)*
	Propofol	69.53 (12.45)	70.53 (8.29)	72.93 (7.94)	71.00 (7.86)	71.36 (12.49)	69.64 (13.06)*
	p.value	0.625	0.885	0.130	0.984	0.216	0.049*
R rSO2 (%)	Isoflurane	68.79 (12.19)	70.57 (12.97)	68.50 (12.40)	71.53 (11.20)	68.20 (13.14)	68.20 (11.35)
	Propofol	63.93 (12.96)	63.36 (13.17)	63.27 (12.42)	63.86 (13.10)	62.08 (6.54)	60.62 (11.15)
	p.value	0.308	0.156	0.266	0.103	0.126	0.087
L rSO2 (%)	Isoflurane	64.93 (10.17)	65.67 (9.26)	68.00 (9.58)	69.60 (8.20)*	69.07 (10.92)	64.33 (12.40)
	Propofol	62.80 (15.67)	61.71 (15.46)	65.53 (15.66)	60.36 (13.82)*	64.00 (8.08)	61.50 (9.85)
	p.value	0.662	0.417	0.608	0.042*	0.166	0.500
R SV (cm/s)	Isoflurane	103.27 (26.59)	110.40 (29.31)	121.13 (39.09)	147.33 (55.72)	138.40 (38.21)	145.87 (32.65)
	Propofol	120.80 (55.50)	128.73 (51.58)	138.07 (43.76)	134.07 (61.28)	142.53 (39.95)	165.87 (45.26)
	p.value	0.283	0.244	0.273	0.548	0.774	0.177
R DV (cm/s)	Isoflurane	33.27 (15.02)	38.13 (12.81)	41.20 (19.90)	50.53 (23.51)	51.53 (25.16)	52.20 (18.78)
	Propofol	42.47 (27.78)	45.13 (20.97)	52.07 (22.59)	45.50 (27.83)	48.60 (18.83)	58.20 (18.32)
	p.value	0.272	0.281	0.173	0.605	0.721	0.383
R CVR (mmHg/mL/min)	Isoflurane	0.681 ± 0.122	0.650 ± 0.087	0.660 ± 0.111	0.660 ± 0.091	0.638 ± 0.099	0.641 ± 0.110
	Propofol	0.642 ± 0.127	0.642 ± 0.099	0.626 ± 0.089	0.671 ± 0.091	0.659 ± 0.066	0.645 ± 0.073
	p.value	0.393	0.816	0.376	0.738	0.498	0.772
R CBF (ml/100g/min)	Isoflurane	102.53 ± 23.22	110.51 ± 25.74	105.84 ± 19.34	110.93 ± 29.75	125.46 ± 35.53	129.14 ± 32.29
	Propofol	112.43 ± 31.23	112.50 ± 22.17	119.36 ± 26.17	107.10 ± 15.41	110.50 ± 22.80	109.36 ± 27.76
	p.value	0.334	0.822	0.120	0.711	0.187	0.088
L SV (cm/s)	Isoflurane	103.80 (33.71)	118.20 (22.53)	122.87 (45.14)	126.67 (36.35)	129.40 (31.24)	131.00 (35.91)
	Propofol	121.53 (38.56)	124.53 (36.84)	134.47 (87.72)	141.21 (57.55)	148.93 (66.15)	144.87 (56.15)
	p.value	0.191	0.576	0.654	0.428	0.313	0.428
L DV (cm/s)	Isoflurane	36.00 (17.23)	40.13 (14.54)	49.64 (19.11)	49.13 (24.70)	47.67 (13.66)	47.67 (16.33)
	Propofol	45.80 (26.70)	45.29 (26.23)	48.33 (39.24)	51.29 (30.67)	49.33 (25.10)	50.47 (21.25)
	p.value	0.244	0.512	0.909	0.837	0.823	0.689
L CVR (mmHg/mL/min)	Isoflurane	0.681 ± 0.122	0.650 ± 0.087	0.660 ± 0.111	0.660 ± 0.091	0.638 ± 0.099	0.641 ± 0.110
	Propofol	0.642 ± 0.127	0.642 ± 0.099	0.626 ± 0.089	0.671 ± 0.091	0.659 ± 0.066	0.645 ± 0.073
	p.value	0.393	0.816	0.376	0.738	0.498	0.772
L CBF (ml/100g/min)	Isoflurane	102.5 ± 23.2	110.5 ± 25.7	105.8 ± 19.3	110.9 ± 29.7	125.5 ± 35.5	129.1 ± 32.3
	Propofol	112.4 ± 31.2	112.5 ± 22.2	119.4 ± 26.2	107.1 ± 15.4	110.5 ± 22.8	109.4 ± 27.8
	p.value	0.334	0.822	0.120	0.711	0.187	0.088

Supplementary Table 2. Neuromonitoring parameters. Abbreviations: Richmond Agitation-Sedation Scale (RASS), Bispectral Index System (BIS™), Intracranial pressure (ICP), Cerebral perfusion pressure (CPP), Right and left regional cerebral oxygen saturation (R rSO2 and L rSO2), Right and left transcranial Doppler systolic velocity (R SV and L SV), Right and left cerebrovascular resistance (CVR = (SV-DV)/SV), Right and left Doppler diastolic velocity (R DV and L DV), Right and left cerebral blood flow (CBF = CPP / CVR),

		0h	1h	12h	24h	48h	72h
Lactate (mmol/L)	Isoflurane	1,35 (0,369)	1,4 (0,81)	1,68 (1,02)	1,38 (0,86)	0,98 (0,44)	0,92 (0,33)
	Propofol	1,49 (0,64)	1,61 (0,85)	1,3 (0,67)	1,17 (0,58)	1,05 (0,52)	0,84 (0,25)
	p.value	0.590	0.499	0.241	0.448	0.679	0.455
ScvO ₂ (%)	Isoflurane	77.58 (7.27)	79.88 (7.24)	81.64 (6.07)	81.39 (8.62)	81.15 (6.15)	77.97 (7.83)
	Propofol	80.62 (8.20)	79.34 (8.01)	81.08 (5.11)	76.71 (6.00)	74.75 (9.11)	77.36 (7.45)
	p.value	0.325	0.852	0.803	0.110	0.062	0.843
Pv-aCO ₂ gap (mmHg)	Isoflurane	5.45 (3.33)	5.15 (1.34)	4.15 (1.86)	4.47 (2.97)	4.00 (1.71)	5.36 (2.34)
	Propofol	6.00 (3.01)	6.13 (2.80)	3.62 (2.22)	4.93 (2.64)	4.91 (1.45)	4.43 (1.70)
	p.value	0.676	0.242	0.509	0.662	0.164	0.279
Hemoglobin (g/dl)	Isoflurane	12.49 (1.55)	12.57 (1.18)	11.80 (1.46)	11.62 (1.76)	10.98 (1.72)	10.57 (1.89)
	Propofol	11.47 (2.15)	11.69 (2.17)	11.25 (2.15)	10.68 (2.18)	10.32 (1.94)	10.10 (1.56)
	p.value	0.146	0.182	0.417	0.205	0.333	0.460
Glucose (mg/dl)	Isoflurane	135.07 (21.81)	138.53 (25.26)*	139.67 (37.80)	131.40 (27.45)	130.00 (19.67)	133.47 (26.05)
	Propofol	161.00 (53.79)	170.47 (47.25)*	141.67 (37.89)	141.93 (20.59)	129.07 (33.02)	142.33 (29.84)
	p.value	0.100	0.031*	0.886	0.251	0.926	0.394
Temperature (°C)	Isoflurane	36.00 (0.65)	35.97 (0.79)	36.26 (0.67)	36.33 (0.38)	36.48 (0.70)	36.61 (0.62)
	Propofol	36.09 (1.09)	36.25 (1.04)	36.23 (0.73)	36.14 (0.64)	36.16 (0.67)	36.28 (0.92)
	p.value	0.794	0.414	0.917	0.328	0.212	0.266
Fluid balance (ml)	Isoflurane	0 (0.00%)	0 (0.00%)	0 (0.00%)	942.17 (1044.36)	0 (0.00%)	0 (0.00%)
	Propofol	0 (0.00%)	0 (0.00%)	0 (0.00%)	999.07 (918.67)	0 (0.00%)	0 (0.00%)
	p.value	1.000	1.000	1.000	0.875	1.000	1.000

Supplementary Table 3. Laboratory parameters and temperature. Abbreviations: Central venous oxygen saturation (ScvO₂), Veno-arterial carbon dioxide partial pressure difference (Pv-aCO₂ gap).

		0h	1h	12h	24h	48h	72h
FIO ₂	Isoflurane	0.41 (0.05)	0.39 (0.04)	0.38 (0.10)	0.35 (0.08)	0.35 (0.07)	0.33 (0.05)
	Propofol	0.45 (0.12)	0.42 (0.10)	0.36 (0.06)	0.35 (0.05)	0.35 (0.05)	0.34 (0.03)
	p.value	0.278	0.219	0.503	0.934	0.735	0.470
PEEP (cmH ₂ O)	Isoflurane	8.27 (1.28)	8.40 (1.12)	8.67 (1.95)	8.67 (1.95)	8.40 (2.03)	8.13 (1.60)
	Propofol	8.20 (1.78)	8.20 (1.78)	8.33 (1.84)	8.33 (1.84)	8.36 (1.55)	8.43 (1.40)
	p.value	0.907	0.716	0.634	0.634	0.949	0.600
pO ₂ /FIO ₂	Isoflurane	371.47 (166.72)	387.87 (114.69)	385.37 (81.76)	393.70 (104.68)	360.60 (87.33)	362.59 (57.11)
	Propofol	329.87 (109.59)	362.47 (92.31)	377.33 (42.21)	355.88 (91.73)	332.00 (63.39)	317.92 (65.00)
	p.value	0.427	0.510	0.738	0.302	0.320	0.056
Vt (ml)	Isoflurane	436.00 (52.21)	430.67 (47.88)	432.67 (48.91)	442.00 (51.16)	438.00 (48.58)	438.27 (56.97)
	Propofol	419.00 (50.36)	423.00 (56.18)	413.00 (58.73)	420.60 (54.52)	409.64 (57.06)	414.64 (59.05)
	p.value	0.372	0.691	0.328	0.277	0.163	0.283
RR (breaths/min)	Isoflurane	19.33 (2.35)	18.87 (2.80)	19.33 (2.55)	19.87 (2.64)*	20.13 (2.77)	19.93 (3.39)
	Propofol	17.80 (3.17)	17.67 (2.82)	17.40 (3.04)	17.60 (2.13)*	18.13 (3.04)	17.80 (3.38)
	p.value	0.144	0.252	0.070	0.015*	0.071	0.096
pH	Isoflurane	7.40 (0.08)	7.37 (0.05)	7.40 (0.06)	7.43 (0.04)	7.45 (0.04)	7.47 (0.06)*
	Propofol	7.39 (0.05)	7.40 (0.04)	7.40 (0.04)	7.41 (0.05)	7.43 (0.05)	7.43 (0.04)*
	p.value	0.517	0.095	1.000	0.136	0.201	0.038*
pCO ₂ (mmHg)	Isoflurane	37.73 (7.39)	39.33 (4.59)*	39.60 (5.54)	38.60 (4.88)	39.60 (4.67)	39.40 (4.17)
	Propofol	36.67 (3.83)	34.20 (3.78)*	36.53 (3.62)	37.07 (3.81)	38.93 (4.65)	40.33 (4.86)
	p.value	0.625	0.002*	0.085	0.346	0.698	0.577
pO ₂ (mmHg)	Isoflurane	499.33 (1326.54)	140.53 (47.03)	141.60 (25.75)	133.67 (21.62)	123.40 (31.69)	119.67 (16.00)
	Propofol	145.07 (55.71)	149.33 (44.65)	131.13 (26.97)	125.20 (28.82)	120.00 (38.83)	109.20 (24.48)
	p.value	0.319	0.603	0.286	0.371	0.795	0.178
HCO ₃ (mmol/l)	Isoflurane	23.53 (1.70)*	22.77 (2.40)	24.67 (2.77)*	25.72 (1.53)*	27.15 (3.27)	28.35 (2.87)
	Propofol	21.72 (1.39)*	21.40 (1.39)	22.86 (1.47)*	23.72 (1.60)*	25.64 (1.72)	26.61 (2.70)
	p.value	0.004*	0.068	0.036*	0.002*	0.128	0.097
BE (mmol/l)	Isoflurane	-1.43 (2.55)*	-2.55 (2.67)	-0.31 (2.86)	1.53 (1.92)*	3.25 (3.51)*	4.72 (3.38)
	Propofol	-3.23 (1.52)*	-3.57 (1.83)	-2.07 (1.89)	-0.89 (2.34)*	0.98 (2.39)*	2.36 (2.86)
	p.value	0.028*	0.231	0.057	0.005*	0.049*	0.052
SatO ₂ (%)	Isoflurane	98.36 (1.58)	97.97 (1.38)	98.69 (1.03)	98.27 (0.98)	98.19 (1.02)	98.54 (1.05)
	Propofol	98.22 (1.06)	98.61 (0.96)	98.41 (0.81)	98.01 (0.74)	98.17 (1.10)	97.79 (1.82)
	p.value	0.778	0.154	0.415	0.420	0.959	0.181
EtCO ₂ (mmHg)	Isoflurane	33.40 (5.26)	34.73 (6.28)	36.01 (4.38)	34.43 (6.39)	34.40 (5.28)	36.00 (5.41)
	Propofol	30.07 (4.45)	30.67 (4.38)	33.23 (3.03)	32.50 (5.97)	32.17 (5.29)	34.33 (6.41)
	p.value	0.076	0.059	0.059	0.417	0.286	0.486

Supplementary Table 4. Respiratory parameters. Abbreviations: Inspired oxygen fraction (FIO₂), Positive end-expiratory pressure (PEEP), Arterial oxygen pressure / Inspired oxygen fraction ratio (PO₂/FIO₂), Tidal volume (VT), Respiratory rate (RR), pH, Partial pressure of carbon dioxide (PCO₂), Partial pressure of oxygen (PO₂), Bicarbonate (HCO₃⁻), Base excess (BE), Arterial oxygen saturation (SatO₂), End-tidal CO₂ (EtCO₂).

	Isoflurane	Propofol	p.value
Age (years)	42.50 (21.14)	62.78 (14.71)	0.026*
Sex			0.582
Male	9 (90.00%)	7 (77.78%)	
Female	1 (10.00%)	2 (22.22%)	
Weight (kg)	78.40 (14.75)	83.44 (13.48)	0.447
Height (m)	1.74 (0.10)	1.72 (0.12)	0.701
BMI	26.22 (5.76)	28.58 (4.34)	0.326
CCI	0.80 (2.20)	2.56 (2.07)	0.091
SAPS II	38.10 (10.48)	44.33 (9.12)	0.184
Pre-intubation GCS	9.50 (3.41)	7.56 (3.40)	0.230
Mechanical ventilation (days)	14.20 (7.10)	17.33 (12.46)	0.520
ICU LOS (days)	16.80 (8.89)	20.33 (13.40)	0.514
Hospital LOS (days)	23.50 (11.75)	28.56 (21.45)	0.542

Supplementary Table 5. Baseline demographic, clinical and severity characteristics in traumatic brain injury (TBI) subgroup. Abbreviations: Body mass index (BMI), Charlson Comorbidity Index (CCI), Simplified Acute Physiology Score (SAPS II), Traumatic brain injury (TBI), Glasgow Coma Scale (GCS), Length of stay (LOS), Intensive care unit (ICU).

		0h	1h	12h	24h	48h	72h
RASS	Isoflurane	-5 (.)	-5 (.)	-5.00 (0.00)	-4.50 (1.27)	-4.90 (0.32)	-4.70 (0.67)
	Propofol	-5 (.)	-5 (.)	-4.78 (0.44)	-4.89 (0.33)	-4.44 (0.73)	-4.33 (0.71)
	p.value	.	.	0.169	0.372	0.111	0.265
BIS	Isoflurane	51.80 (11.79)	51.40 (7.43)	44.70 (12.27)	47.30 (12.18)	43.50 (10.46)	41.30 (11.47)
	Propofol	50.22 (14.16)	48.22 (8.32)	44.33 (10.34)	48.33 (10.54)	50.33 (8.26)	46.33 (11.62)
	p.value	0.796	0.395	0.945	0.845	0.131	0.356
ICP (mmHg)	Isoflurane	7.30 (4.79)	7.90 (5.20)	7.60 (3.86)	9.00 (3.50)	8.10 (3.98)	6.50 (3.72)
	Propofol	5.78 (6.20)	8.25 (5.97)	7.44 (4.48)	10.00 (4.82)	11.33 (5.50)	11.67 (7.12)
	p.value	0.561	0.898	0.937	0.616	0.167	0.075
CPP (mmHg)	Isoflurane	65.20 (8.66)	70.20 (7.41)	68.30 (7.97)	70.80 (10.41)	76.40 (11.09)	80.30 (16.40)*
	Propofol	69.89 (15.03)	71.78 (8.71)	72.67 (8.65)	69.33 (7.84)	70.44 (11.33)	65.89 (11.04)*
	p.value	0.427	0.678	0.271	0.732	0.264	0.038*
Norepinephrine (mcg/kg/min)	Isoflurane	0.09 (0.07)	0.12 (0.07)	0.15 (0.11)	0.12 (0.10)	0.09 (0.05)	0.11 (0.07)
	Propofol	0.12 (0.10)	0.10 (0.08)	0.13 (0.08)	0.09 (0.08)	0.06 (0.03)	0.15 (0.33)
	p.value	0.595	0.623	0.654	0.559	0.121	0.737
MAP (mmHg)	Isoflurane	74.90 (8.40)	73.80 (8.66)	78.50 (9.96)	79.20 (7.90)	81.70 (10.83)	84.50 (16.03)
	Propofol	77.89 (13.34)	78.11 (11.43)	81.00 (8.96)	79.33 (8.22)	85.22 (7.73)	81.44 (8.83)
	p.value	0.574	0.373	0.572	0.972	0.423	0.610
HR (bpm)	Isoflurane	73.60 (20.15)	73.90 (25.40)	69.80 (24.26)	69.30 (19.70)	64.80 (19.40)	74.20 (17.94)
	Propofol	76.00 (20.74)	70.33 (22.39)	63.00 (18.81)	59.00 (16.45)	59.56 (15.65)	59.67 (11.63)
	p.value	0.802	0.749	0.502	0.232	0.524	0.051

ICU mortality	Isoflurane	2 (20.00%)
	Propofol	2 (22.22%)
	p.value	1.000
WOLST mortality	Isoflurane	2 (100.00%)
	Propofol	2 (100.00%)
	p.value	1.000
Hospital mortality	Isoflurane	2 (20.00%)
	Propofol	2 (22.22%)
	p.value	1.000

Supplementary Table 6. Sedation efficacy and safety outcomes in traumatic brain injury subgroup. Abbreviations: Richmond Agitation-Sedation Scale (RASS), Bispectral Index System (BIS™), Intracranial pressure (ICP), Cerebral perfusion pressure (CPP), Mean arterial pressure (MAP), Heart rate (HR), Intensive Care Unit (ICU), Withdrawal of life-sustaining therapies (WOLST).

		0h	1h	12h	24h	48h	72h
R rSO ₂ (%)	Isoflurane	70.33 (13.27)	71.11 (14.53)	71.11 (14.14)	74.60 (11.16)	67.30 (15.08)	70.00 (12.50)
	Propofol	65.11 (12.11)	62.88 (12.41)	65.44 (12.29)	69.50 (10.16)	64.38 (5.73)	63.75 (10.87)
	p.value	0.396	0.227	0.378	0.326	0.583	0.274
L rSO ₂ (%)	Isoflurane	67.10 (10.03)	68.40 (9.61)	69.50 (10.86)	71.30 (6.53)	69.70 (12.23)	69.60 (11.15)
	Propofol	68.33 (12.44)	68.12 (10.60)	70.89 (12.99)	64.12 (13.76)	67.56 (7.52)	65.22 (7.53)
	p.value	0.816	0.955	0.805	0.206	0.648	0.327
R SV (cm/s)	Isoflurane	112.80 (22.48)	120.10 (30.19)	126.70 (44.32)	170.90 (54.10)	149.30 (35.81)	147.30 (36.32)
	Propofol	113.67 (28.43)	125.33 (29.72)	120.56 (26.49)	129.11 (52.64)	127.56 (30.22)	148.44 (29.43)
	p.value	0.943	0.708	0.716	0.106	0.170	0.940
R DV (cm/s)	Isoflurane	40.20 (12.30)	44.10 (11.58)	47.50 (21.44)	60.70 (22.23)	54.80 (28.58)	53.30 (23.26)
	Propofol	33.78 (12.30)	39.78 (14.70)	41.67 (15.05)	43.33 (23.67)	40.22 (7.26)	48.00 (9.66)
	p.value	0.272	0.491	0.499	0.119	0.149	0.521
R CVR (mmHg/mL/min)	Isoflurane	0.38 ± 0.21	0.37 ± 0.17	0.38 ± 0.23	0.42 ± 0.18	0.41 ± 0.24	0.40 ± 0.22
	Propofol	0.52 ± 0.20	0.49 ± 0.18	0.51 ± 0.19	0.56 ± 0.20	0.54 ± 0.17	0.56 ± 0.18
	p.value	0.180	0.200	0.230	0.150	0.210	0.120
R CBF (ml/100g/min)	Isoflurane	162.4 ± 94.8	186.5 ± 101.3	195.5 ± 120.4	234.2 ± 110.7	216.0 ± 138.6	219.3 ± 140.1
	Propofol	123.8 ± 54.6	133.7 ± 63.2	134.1 ± 67.9	129.3 ± 70.5	128.2 ± 41.5	117.7 ± 44.3
	p.value	0.290	0.210	0.190	0.060	0.080	0.070
L SV (cm/s)	Isoflurane	104.80 (38.52)	122.50 (17.65)	130.60 (52.79)	138.90 (37.39)	131.10 (26.65)	138.00 (40.14)
	Propofol	118.44 (37.52)	121.89 (27.65)	107.33 (26.58)	147.33 (65.35)	115.22 (48.33)	122.67 (42.93)
	p.value	0.445	0.956	0.239	0.739	0.399	0.434
L DV (cm/s)	Isoflurane	40.10 (19.96)	45.20 (15.25)	57.78 (18.25)*	56.50 (27.42)	47.90 (16.15)	50.20 (19.44)
	Propofol	40.44 (14.63)	41.00 (19.54)	35.11 (13.18)*	47.00 (26.51)	37.00 (22.78)	39.44 (12.12)
	p.value	0.966	0.612	0.009*	0.453	0.253	0.164
L CVR (mmHg/mL/min)	Isoflurane	0.39 ± 0.27	0.37 ± 0.20	0.44 ± 0.19	0.41 ± 0.25	0.36 ± 0.18	0.36 ± 0.22
	Propofol	0.40 ± 0.20	0.39 ± 0.26	0.33 ± 0.19	0.36 ± 0.23	0.32 ± 0.23	0.34 ± 0.18
	p.value	0.940	0.880	0.220	0.680	0.670	0.820
L CBF (ml/100g/min)	Isoflurane	153.8 ± 112.6	186.8 ± 88.4	185.2 ± 118.9	214.1 ± 131.0	220.0 ± 125.3	235.0 ± 152.7
	Propofol	167.5 ± 96.5	172.2 ± 85.1	158.6 ± 92.3	196.3 ± 141.4	206.5 ± 149.2	199.6 ± 118.2
	p.value	0.780	0.720	0.560	0.760	0.840	0.540

Supplementary Table 7. Neuromonitoring parameters in traumatic brain injury subgroup. Abbreviations: Right and left regional cerebral oxygen saturation (R rSO₂ and L rSO₂), Right and left transcranial Doppler systolic velocity (R SV and L SV), Right and left cerebrovascular resistance (CVR = (SV–DV)/SV), Right and left Doppler diastolic velocity (R DV and L DV), Right and left cerebral blood flow (CBF = CPP / CVR).