

Randomized controlled trial comparing cerebral perfusion pressure (CPP) targeted therapy versus intracranial pressure (ICP) targeted therapy for raised ICP due to acute central nervous system infections in children

Appendix-3: Clinical and laboratory parameters at the time of enrollment into study in the two study groups

Sr.No	Parameters	ICP group (n=55)	CPP group (n=55)	p value ^a
1	Temperature (°C)	37.3 ± 0.7	37.2 ± 1.1	0.787
2	End tidal Carbon dioxide (EtCO ₂) (torr) [kPa]	35 ± 5 [4.7 ± 0.7]	36 ± 6 [4.8 ± 0.8]	0.515
3	Central Venous Pressure (CVP) (cm H ₂ O)	10 ± 0.5	10 ± 0.7	0.220
4	Urine Output (ml/kg/hr)	2.3 ± 1.6	2.9 ± 2.4	0.098
5	Random Blood Sugar (RBS) (mg/dl)	145 ± 59	139 ± 42	0.445
6	pH	7.36 ± 0.08	7.38 ± 0.07	0.199
7	PaO ₂ (torr) [kPa]	117 ± 37 [15.6 ± 4.9]	131 ± 50 [17.5 ± 6.7]	0.092
8	PaCO ₂ (torr) [kPa]	35 ± 5 [4.7 ± 0.7]	37 ± 7 [4.9 ± 0.9]	0.061
9	Urea (mg/dl)	35 ± 25	30 ± 23	0.166
10	Blood Urea Nitrogen (BUN)	15 ± 10	12 ± 10	0.166
11	Serum Creatinine (mg/dl)	0.7 ± 0.7	0.7 ± 0.4	0.536
12	Serum Sodium (mEq/L)	141 ± 8	139 ± 6	0.145
13	Serum Potassium (mEq/L)	4.6 ± 0.9	4.4 ± 0.8	0.244
14	Serum Osmolarity (mOsmol/L)	298 ± 17	292 ± 14	0.053
15	Calculated Osmolarity (mOsmol/L)	290 ± 16	286 ± 12	0.055
16	Osmolar gap (OG)	11 ± 11	12 ± 11	0.777
17	e-GFR (ml/min/1.73m ²)	81.3 ± 38.9	85 ± 55.7	0.649
18	Prothrombin Time (PT) (seconds)	13 ± 3	13 ± 4	0.430
19	activated -Partial Thromboplastin Time (a-PTT) (seconds)	32 ± 8	34 ± 14	0.560
20	Prothrombin Index (PTI) (%)	91 ± 9	91 ± 9	0.844
21	International Normalized Ratio (INR)	1.07 ± 0.07	1.07 ± 0.08	0.930
22	Platelets (×10 ³ / micro liter)	232 ± 115.9	221.4 ± 122.1	0.642

All data presented as Mean ± SD unless otherwise indicated.

Abbreviations: SD- Standard deviation; PaO₂–Partial pressure of oxygen in the arterial blood; PaCO₂– Partial pressure of carbon dioxide in the arterial blood; Osmolar gap (OG) = Measured serum osmolarity – calculated osmolarity; e-GFR–estimated Glomerular Filtration Rate.

^a Student *t* test.