

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-6

Appendix-6: Subgroup analysis of neurodisability at the time of discharge from PICU and at 90 days follow-up in the two study groups

Variables	ICP group	CPP group	(RR 95% CI)	p value
at the time discharge from PICU discharge (n=80)				
Acute Meningitis	10 / 13 (76.9)	9 / 18 (50)	1.54 (0.89–2.67)	0.158 ^a
Acute Encephalitis	19 / 22 (86.4)	15 / 27 (44.4)	1.56 (1.07–2.26)	0.029 ^a
(i) Mild				
Acute Meningitis	2 / 13 (15.4)	1 / 18 (5.6)	2.77 (0.28–27.4)	0.558 ^a
Acute Encephalitis	2 / 22 (9.1)	1 / 27 (3.7)	2.45 (0.24–25.32)	0.581 ^a
(ii) Moderate				
Acute Meningitis	1 / 13 (7.7)	3 / 18 (16.7)	0.46 (0.05–3.95)	0.620 ^a
Acute Encephalitis	5 / 22 (22.7)	4 / 27 (14.8)	1.53 (0.47–5.03)	0.713 ^a
(iii) Severe				
Acute Meningitis	7 / 13 (53.8)	5 / 18 (27.8)	1.94 (0.79–4.76)	0.273 ^b
Acute Encephalitis	12 / 22 (54.5)	9 / 27 (33.3)	1.64 (0.85–3.15)	0.229 ^b
at 90 days follow-up (n=79)				
Acute Meningitis	9 / 13 (69.2)	6 / 18 (33.3)	2.1 (0.98–4.38)	0.073 ^a
Acute Encephalitis	15 / 21 (66.7)	11 / 27 (40.7)	1.75 (1.03–2.98)	0.068 ^b
(i) Mild				
Acute Meningitis	3 / 13 (23.1)	2 / 18 (11.1)	2.08 (0.40–10.72)	0.625 ^a

Acute Encephalitis	3 / 21 (14.3)	2 / 27 (7.4)	1.93 (0.35–10.51)	0.641 ^a
(ii) Moderate Acute Meningitis	1 / 13 (7.7)	3 / 18 (16.)	0.46 (0.05–3.95)	0.621 ^a
Acute Encephalitis	5 / 21 (23.8)	5 / 27 (18.5)	1.29 (0.43–3.87)	0.729 ^a
(iii) Severe Acute Meningitis	5 / 13 (38.5)	1 / 18 (5.6)	6.92 (0.91–52.45)	0.059 ^a
Acute Encephalitis	7 / 21 (33.3)	4 / 27 (14.8)	1.75 (0.60–5.1)	0.484 ^a
Composite poor outcome				
i) at time of discharge from PICU				
Acute Meningitis	16 / 22 (72.7)	7 / 20 (35)	2.1 (1.1–3.98)	0.032 ^b
Acute Encephalitis	23 / 33 (69.7)	17 / 35 (48.6)	1.43 (0.95–2.16)	0.129 ^b
ii) at 90 days follow-up				
Acute Meningitis	14 / 22 (63.6)	3 / 20 (15)	4.24 (1.43–12.62)	0.002 ^a
Acute Encephalitis	19 / 33 (57.6)	12 / 35 (34.3)	1.68 (0.97–2.89)	0.092 ^b

All data presented as number of patients with the specified outcome /total number of patients followed and percentage in parentheses.

Abbreviations: RR-Relative risk; CI-Confidence interval.

Composite poor outcome defined as severe neurodisability plus death.

^a Fisher's exact test

^b Corrected Chi-square test