

Table 2 : Blood pressure differences during therapeutic hypothermia and rewarming in patients with brain injury and without brain injury

	HIE with no brain injury, n=61	HIE with Brain Injury, n=43	p-value
First 24 hours, mean (SD)			
Mean SBP	63.2(6.9)	60.3(6.7)	0.038
Mean DBP	43.3(5.8)	41.1(4.3)	0.035
Mean MBP	51.6(6.2)	49.0(4.8)	0.027
24-48 hours, mean (SD)			
Mean SBP	63.8(5.7)	60.5(7.2)	0.010
Mean DBP	43.4(4.5)	41.5(5.4)	0.054
Mean MBP	52.3(4.7)	49.5(5.6)	0.007
48-72 hours, mean (SD)			
Mean SBP	68.0(6.4)	63.7(7.6)	0.002
Mean DBP	45.6(5.3)	42.4(5.9)	0.005
Mean MBP	55.3(5.3)	51.5(6.1)	0.002
Rewarming, mean (SD)			
Mean SBP	65.3(7.6)	62.1(8.2)	0.045
Mean DBP	42.9(6.5)	40.9(6.8)	0.147
Mean MBP	52.4(6.6)	50.0(6.8)	0.072
Percentage of time for SBP, mean (SD)			
<5 th centile	18.5(17.0)	31.2(24.7)	0.002
5-25 th	35.8(14.5)	28.8(14.6)	0.018
25-50 th	25.1(11.8)	18.9(11.4)	0.010
50-95 th	18.3(13.5)	17.9(14.6)	0.896
>95 th	2.3(4.2)	3.1(7.5)	0.528
Percentage of time DBP, mean (SD)			
<5 th centile	2.6(5.6)	3.5(4.7)	0.371
5-25 th	10.9(11.7)	17.4(15.8)	0.018
25-50 th	29.8(13.9)	33.7(15.2)	0.177
50-95 th	49.4(19.5)	38.2(22.1)	0.008
>95 th	7.3(6.8)	7.1(9.4)	0.908
Percentage of time MBP, mean (SD)			
<5 th centile	2.3(4.1)	4.5(5.7)	0.023
5-25 th	15.5(12.6)	25.6(19.4)	0.005
25-50 th	34.6(14.0)	30.2(13.8)	0.110
50-95 th	41.5(19.1)	34.3(21.7)	0.078
>95 th	6.1(7.3)	6.5(10.4)	0.851

Abbreviations :HIE – hypoxic ischemic encephalopathy, SBP- systolic blood pressure, DBP – diastolic blood pressure, MBP- Mean blood pressure. SD- standard deviation