

- 1 Table 4: (Online resource) Concentrations of hepatic enzymes and hepatic biomarkers measured
 2 in the first postnatal week in normothermia and hypothermia groups based on grade of HIE.

3

HIE grade	Normothermia	Hypothermia	P-value*
HIE grade 1	<i>n=69</i>	<i>n=32</i>	
Maximum ALT, U/L	61.0 (8 to 656)	50.0 (10 to 498)	0.47
Maximum AST, U/L	113.5 (36 to 855)	128.0 (46 to 391)	0.97
Maximum PT, s	16.1 (9.3 to 39.2)	16.8 (11.6 to 54.4)	0.18
Maximum PTT, s	35.9 (25.1-51.2)	38.1 (24.3-240)	0.11
Lowest ALB, g/L	30.0 (12 to 39)	27.5 (20 to 35)	0.03
Maximum BILI, $\mu\text{mol/L}$	121.0 (21 to 376)	114.0 (18 to 255)	0.75
Maximum CRP overall, mg/L	8.9 (1 to 188)	7.9 (0.5 to 41)	0.53
Postnatal day CRP peaked in first week [‡]	2 (1 to 7)	4 (1 to 6)	0.03
HIE grade 2	<i>n = 47</i>	<i>n = 118</i>	
Maximum ALT, U/L	138.5 (15 to 1796)	79.0 (10 to 1491)	0.11
Maximum AST, U/L	325.0 (97 to 835)	198.0 (18 to 4728)	0.25
Maximum PT, s	16.1 (13.2 to 171)	17.9 (12 to 160)	0.72
Maximum PTT, s	37.1 (21.9-240)	42.3 (29-135.2)	0.02
Lowest ALB, g/L	25.0 (11 to 37)	23.0 (12 to 36)	0.32
Maximum BILI, $\mu\text{mol/L}$	109.0 (30 to 325)	110.0 (24 to 349)	0.53
Maximum CRP overall, mg/L	10 (1.5 to 230)	17.4 (1.5 to 305.9)	0.20
Postnatal day CRP peaked in first week [‡] n5brtuy	3 (2 to 7)	4 (2 to 7)	0.001
HIE grade 3	<i>n = 22</i>	<i>n = 73</i>	
Maximum ALT, U/L	156.5 (3 to 1903)	147.5 (14 to 1203)	0.60
Maximum AST, U/L	624.0 (523 to 725)	422.0 (68 to 3150)	0.49
Maximum PT, s	21.5 (11.4 to 240)	22.5 (11.4 to 240)	0.89
Maximum PTT, s	46.9 (26.5-240)	50.5 (31.5-240)	0.44
Lowest ALB, g/L	21.5 (13 to 31)	20.0 (7 to 37)	0.47
Maximum BILI, $\mu\text{mol/L}$	86.5 (20 to 234)	75.0 (13 to 238)	0.73
Maximum CRP overall, mg/L	15.0 (1 to 117)	21.6 (0.5 to 346.5)	0.21
Postnatal day CRP peaked in first week [‡]	4 (2 to 7)	4 (2 to 7)	0.06

HIE grade 2&3	<i>n = 69</i>	<i>n = 191</i>	
Maximum ALT, U/L	141.5 (3 to 1903)	103.5 (10 to 1491)	0.14
Maximum AST, U/L	345.5 (97 to 835)	219.0 (18 to 4728)	0.33
Maximum PT, s	18.8 (11.4 to 240)	19.1 (12 to 180)	0.60
Maximum PTT, s	40.8 (21.9-240)	44.8 (29-240)	0.02
Lowest ALB, g/L	23.0 (11 to 37)	22.0 (7 to 37)	0.18
Maximum BILI, μ mol/L	104.0 (20 to 325)	96.5 (13 to 349)	0.31
Maximum CRP overall, mg/L	12.7 (1 to 230)	18.4 (0.5 to 346.5)	0.07
Postnatal day CRP peaked in first week [‡]	3 (2 to 7)	4 (2 to 7)	0.0002

4
5 Numbers presented for biomarker assays refer to number of individual babies included with at
6 least one recorded value during the first week.
7 Data are shown as median (range) unless indicated
8 * Mann-Whitney test, except for variables reported as n %, which were chi-squared tests
9 † reported only for infants with low albumin value (<26 g/L)
10 ‡ reported only for infants with raised CRP value (>10 mg/L)
11 ALT, alanine transaminase; AST, aspartate aminotransferase; PT, prothrombin time; PTT, partial
12 thromboplastin time; ALB, albumin; Bili, bilirubin; CRP, C-reactive protein
13