

Mean volume of each structure at one-week gestational age intervals						
GA	Brainstem Volume	Cerebellum Volume	Extra-axial CSF Volume	Intraventricular CSF Volume	Supratentorial parenchyma Volume	Intracranial Volume
12	0.13 (NA)	0.09 (NA)	1.01 (NA)	0.89 (NA)	1.62 (NA)	1.84 (NA)
14	0.44 (±0.13)	0.28 (±0.03)	3.74 (±0.99)	2.55 (±0.0005)	4.98 (±1.12)	5.71 (±1.28)
15	0.57 (±0.11)	0.41 (±0.02)	8.79 (±0.65)	3.12 (±0.87)	8.36 (±0.82)	9.35 (±0.77)
16	0.47 (±0.17)	0.55 (±0.06)	7.89 (±0.31)	3.60 (±0.95)	9.40 (±0.90)	10.43 (±0.68)
17	0.65 (±0.18)	0.63 (±0.08)	10.58 (±2.46)	3.76 (±0.65)	15.18 (±1.57)	16.47 (±1.65)
18	0.79 (±0.30)	0.69 (±0.13)	17.17 (±2.23)	4.22 (±0.41)	18.94 (±4.35)	20.43 (±4.38)
19	0.97 (±0.19)	0.76 (±0.26)	18.19 (±3.39)	4.13 (±0.61)	22.78 (±3.62)	24.51 (±3.85)
Note—Volume is in cm ³ . Data in parenthesis represents SD. GA: Gestational age, Na: not applicable, SD: Standard deviation						

Mean percentage of the difference between intracranial volume measurements						
GA	Brainstem Volume Change (%)	Cerebellum Volume Change (%)	Extra-axial CSF Volume Change (%)	Intraventricular CSF Volume Change (%)	Supratentorial parenchyma Volume Change (%)	Intracranial Volume Change (%)
14	4.81	0.94	1.08	11.56	0.32	1.13
18	21.13	7.98	3.87	10.63	5.51	2.61
18	15.62	20.4	3.24	11.72	4.88	1.91
19	16.72	0.79	3.1	6.47	3.57	2.17
Percentage of difference between the two measurements (%) *°	14.57	7.5275	2.8225	10.095	3.57	1.955

*The data in the last column represents absolute values
°Represent data for all individual structures

Weekly volume change in cm3 and in percentage based on linear regression analyses					
Structure	Mean volume in cm3 (SD)	Range (cm3)	Volume change in cm3/wk (95% CI)	Volume change in %/wk (95% CI)	p
Intracranial volume	18 (± 8.03)	1.85 – 32.49	3.67 (3.08-4.25)	35.2 (30.2 – 40)	0.001
Supratentorial	16.6 (±7.61)	1.62 –30.38	3.47 (2.9–4.03)	36.43 (31.50–41.55)	0.001
Extra-axial CSF	13.7 (±6.11)	1.01 –24.41	2.72 (2.21–3.22)	34.78 (28 –41.91)	0.001
Intraventricular CSF	3.72 (±0.92)	0.89 –5.19	0.34 (0.23–0.46)	13.25 (8.95 –17.73)	0.001
Brainstem	0.75 (±0.29)	0.13–1.40	0.10 (0.07–0.14)	20.72 (14.55 –27.22)	0.001
Cerebellum	0.61 (±0.25)	0.09 –1.29	0.09 (0.06–0.12)	22.13 (15.18 –29.49)	0.001
Note—Data in parenthesis are 95% CIs. Regions of interest with higher volume change per week in cm3 are listed at the top. SD: Standard deviation, CI: Confidence interval. .					