

Table S1. Analysis of anatomical parameters on magnetic resonance imaging scans in children with achondroplasia compared with the reference group.

Parameter	Achondroplasia	Reference	<i>p</i> -Value *
Foramen magnum diameter, mm	No. patients	33	< 0.001
	Mean (SD)	10.0 (2.3)	
	Median (range)	9.5 (5.5–16.6)	
Foramen magnum area, mm ²	No. patients	33	0.005
	Mean (SD)	109.0 (31.5)	
	Median (range)	115.0 (49.6–163.8)	
Myelon area, mm ²	No. patients	33	0.004
	Mean (SD)	40.6 (16.1)	
	Median (range)	37.0 (16.5–102.3)	
Clivus length, mm	No. patients	36	< 0.001
	Mean (SD)	23.5 (3.1)	
	Median (range)	23.0 (16.0–32.5)	
Tentorium angle, degrees	No. patients	35	< 0.001
	Mean (SD)	47.6 (5.5)	
	Median (range)	47.5 (31.5–58.0)	
Occipital angle, degrees	No. patients	35	0.005
	Mean (SD)	77.9 (6.6)	
	Median (range)	79.0 (64.0–89.5)	
Posterior fossa volume, mm ³	No. patients	24	0.836
	Mean (SD)	126,080.6 (30,947.6)	
	Median (range)	126,330.3 (48,439.7–177,870.0)	
Proportion of brain-stem volume outside the posterior fossa, mm ³	No. patients	24	< 0.001
	Mean (SD)	4542.5 (1089.9)	
	Median (range)	4448.4 (2778.6–7021.3)	
Cerebellum volume, mm ³	No. patients	24	0.118
	Mean (SD)	74,887.3 (45,109.0)	
	Median (range)	85,526.0 (98.7–141,281.0)	
Supratentorial ventricular system volume, mm ³	No. patients	32	< 0.001
	Mean (SD)	42,062.3 (24,302.4)	
	Median (range)	35,651.9 (10,782.3–115,394.5)	
Intracranial CSF system volume, mm ³	No. patients	31	< 0.001
	Mean (SD)	225,804.8 (76,082.3)	
	Median (range)	206,853.0 (118,999.2–376,599.0)	
Fourth ventricle volume, mm ³	No. patients	35	0.029
	Mean (SD)	749.9 (355.3)	
	Median (range)	667.4 (292.0–1607.8)	

* Mann–Whitney U test for independent samples. CSF, cerebrospinal fluid; SD, standard deviation.