

Fig. E-1
Distribution of patients who underwent morphological analyses of the C1 vertebra within each age group.

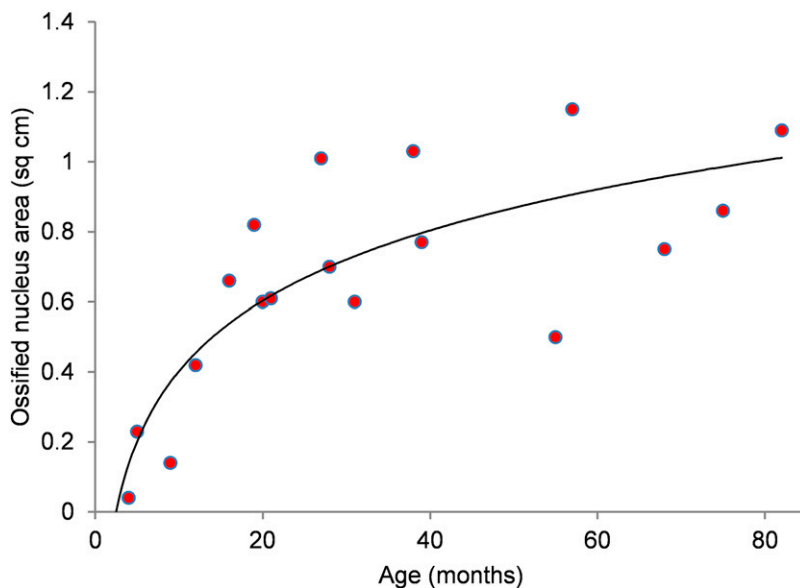


Fig. E-2
Changes in the anterior ossific nucleus area, as a function of age.

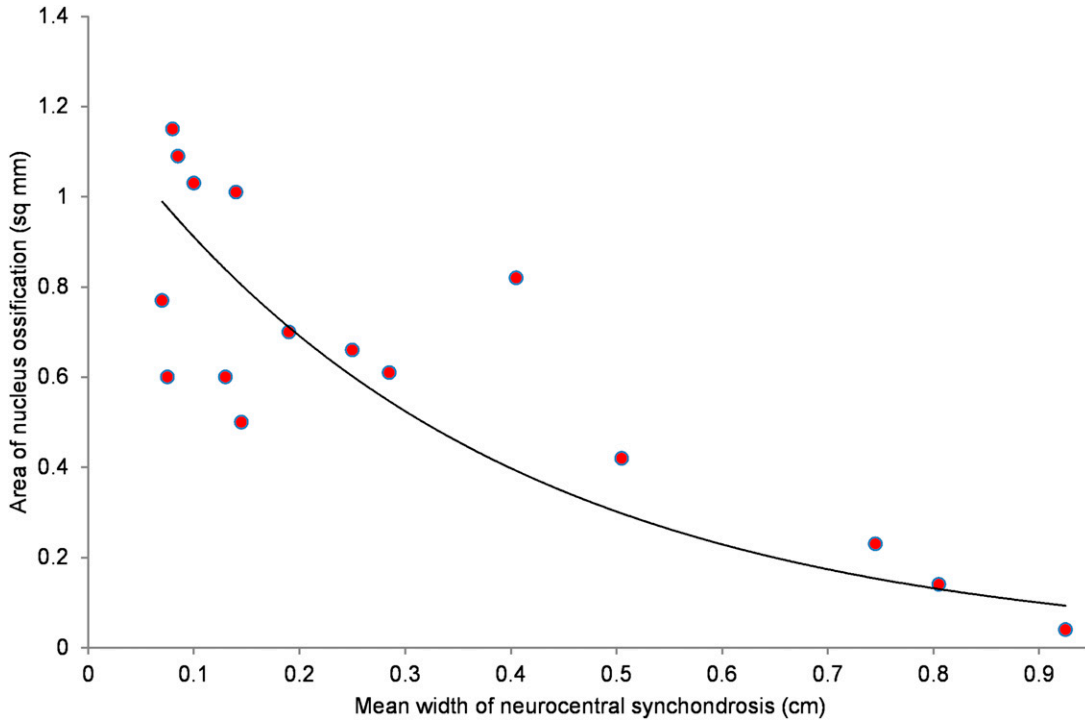


Fig. E-3
Correlation between the area of anterior nucleus ossification and mean width of bilateral neurocentral synchondroses.

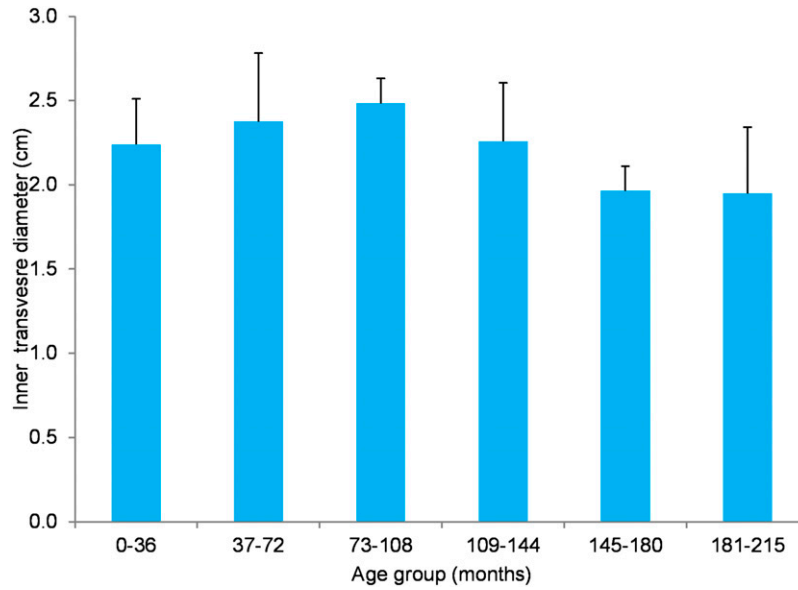


Fig. E-4
Mean inner transverse diameter (and standard deviation) of the C1 vertebra. Data were not different between two consecutive groups.

TABLE E-1 Summary of Data Based on Different Age Groups						
Parameter	Age Group					
	0-3 Years	3-6 Years	6-9 Years	9-12 Years	12-15 Years	15-18 Years
Mean data						
Outer anteroposterior diameter (cm)	2.99	3.69	4.05	4.38	4.35	4.55
Inner anteroposterior diameter (cm)	2.22	2.78	3.09	3.03	3.01	3.33
Outer transverse diameter (cm)	4.99	6.01	6.76	7.42	7.38	7.86
Inner transverse diameter (cm)	2.24	2.38	2.48	2.26	1.97	1.95
Inner area (cm ²)	4.34	6.27	6.98	6.65	6.58	7.35
Anterior ring height (cm)	0.76	0.77	0.89	1.02	1.04	1.15
Posterior ring height (cm)	0.63	0.58	0.74	1.00	0.85	1.19
Standard deviation data						
Outer anteroposterior diameter (cm)	0.45	0.33	0.35	0.33	0.19	0.18
Inner anteroposterior diameter (cm)	0.46	0.30	0.15	0.19	0.12	0.22
Outer transverse diameter (cm)	0.88	0.38	0.40	0.42	0.86	0.60
Inner transverse diameter (cm)	0.27	0.41	0.15	0.35	0.14	0.39
Inner area (cm ²)	1.35	1.23	0.57	0.70	0.96	1.19
Anterior ring height (cm)	0.18	0.12	0.13	0.09	0.07	0.14
Posterior ring height (cm)	0.17	0.16	0.07	0.19	0.08	0.12

TABLE E-2 Coefficients of Repeatability for Interobserver and Intraobserver Measurements						
Parameter	Anteroposterior Diameter		Transverse Diameter		Width	
	Outer	Inner	Outer	Inner	Left Synchronosis	Right Synchronosis
Interobserver						
Coefficients of repeatability	0.285	0.171	0.280	0.123	0.021	0.023
Percentage of mean	7.582	6.229	4.558	5.511	10.194	11.454
Intraobserver						
Coefficients of repeatability	0.277	0.193	0.280	0.159	0.020	0.021
Percentage of mean	7.396	6.971	4.553	7.113	7.574	8.615