Table A: Parameters evaluated statistically and their classification. Statistical tests used to compare each parameter between first and second evaluations are also specified.

Parameter Evaluated	Data Classification	Statistical test used to compare parameters (i.e. first vs. second evaluation)
Clinical Status		

Neurologic signs
    New development
    Worsening
	Categorical (Y/N)	Fisher's Exact

Neurologic grade
    New development
    Worsening
	Ordinal (0-5)	Fisher's Exact

Neck pain grade
    New development
    Worsening
	Ordinal (0-3)	Fisher's Exact

Syringomyelia		
Presence	Categorical (Y/N)	Fisher's Exact
New development	Ordinal (0-3)	Fisher's Exact
Worsening grade	Categorical (Y/N)	Fisher's Exact
Change in maximum height	Continuous (mm)	Signed Rank
Craniocervical junction morphology		
Chiari-like malformation	Categorical (Y/N)	Fisher's Exact
Cerebellum		
Herniation	Continuous (mm)	Signed Rank
Indentation	Categorical (Y/N)	Fisher's Exact
Foramen magnum height	Continuous (mm)	Signed Rank
Atlantooccipital overlapping	Categorical (Y/N)	Fisher's Exact
Dorsal atlantoaxial band		
Presence	Categorical (Y/N)	Fisher's Exact and McNemar's
Grade	Ordinal (0-3)	Fisher's Exact
Compression index	Continuous (%)	Signed Rank
Medullary position		
Medullary kinking index	Continuous (%)	Signed Rank
Obex position	Continuous (mm)	Signed Rank
Cranial cavity volume		
Rostral cranial fossa	Continuous (mm^3)	Signed Rank
Caudal cranial fossa	Continuous (mm^3)	Signed Rank
Ratio caudal:total cranial fossa volume	Continuous (%)	Signed Rank