

**On-line Table 1: Dentate nuclei volume, mean diffusivity, and fractional anisotropy of the dentate nuclei, superior cerebellar peduncles, and cerebellar white matter in the acute, subacute, and chronic periods**

	Acute Period (Mean)	Subacute Period (Mean)	Chronic Period (Mean)	Comparison P Value
Volume (mm <sup>3</sup> )				
Dentate nuclei	554.9 ± 269	526.7 ± 322	389.3 ± 176	.007 <sup>a</sup>
Mean diffusivity (×10 <sup>-6</sup> mm <sup>2</sup> /s)				
Dentate nuclei	808.0 ± 228 <sup>b</sup>	734.8 ± 202	725.6 ± 173 <sup>b</sup>	.03 <sup>b</sup>
Superior cerebellar peduncles	840.3 ± 147 <sup>b</sup>	967.1 ± 144 <sup>b</sup>	843.3 ± 130	.02 <sup>b</sup>
Cerebellar white matter	741.7 ± 63	781.4 ± 27 <sup>c</sup>	715.5 ± 42 <sup>c</sup>	.004 <sup>c</sup>
FA				
Dentate nuclei	0.243 ± 0.087 <sup>b</sup>	0.192 ± 0.072 <sup>b,c</sup>	0.240 ± 0.103 <sup>c</sup>	.01 <sup>b</sup> .04 <sup>c</sup>
Superior cerebellar peduncles	0.549 ± 0.143 <sup>b</sup>	0.457 ± 0.136 <sup>b,c</sup>	0.577 ± 0.119 <sup>c</sup>	.04 <sup>b</sup> .02 <sup>c</sup> .03 <sup>a</sup>
Cerebellar white matter	0.691 ± 0.129	0.623 ± 0.133 <sup>c</sup>	0.721 ± 0.128 <sup>c</sup>	.056 <sup>c</sup>

**Note:**—MB indicates medulloblastoma.

<sup>a</sup> Friedman 2-way analysis of variance by rank for related samples.

<sup>b</sup> Wilcoxon signed rank test for related samples between acute and subacute periods or acute and chronic periods.

<sup>c</sup> Wilcoxon signed rank test for related samples between subacute and chronic periods.

**On-line Table 2: Dentate nuclei volume according to various factors**

Factors	Dentate Nuclei Volume (Mean) (mm <sup>3</sup> )	Comparison P Value
Tumor types		
MB (chronic)	284.5 ± 149	.009 <sup>a</sup>
Other subtypes (chronic)	464.1 ± 157	
PA (acute)	502.1 ± 144	.33 <sup>b</sup>
PA (chronic)	577.8 ± 327	
MB (acute)	544.8 ± 255	.008 <sup>b</sup>
MB (chronic)	284.6 ± 149	
Treatment		
RT (chronic)	312.1 ± 148	.005 <sup>a</sup>
No RT (chronic)	466.5 ± 172	
Neurologic sequelae		
Ataxia (chronic)	294.0 ± 156	.008 <sup>a</sup>
No ataxia (chronic)	484.7 ± 142	
PFS (chronic)	178.6 ± 155	.007 <sup>a</sup>
No PFS (chronic)	431.5 ± 149	
Linear model		
RT/ataxia	220.4 ± 125	.002 <sup>a</sup>
No RT/no ataxia	505.4 ± 162	

**Note:**—PA indicates pilocytic astrocytoma; RT, radiation therapy; MB, medulloblastoma.

<sup>a</sup> Mann-Whitney *U* test for independent samples.

<sup>b</sup> Wilcoxon signed rank test for related samples.