

CERES Volumetry Report. version 1.0 release 12-04-2016

Patient ID	Sex	Age	Report Date
example.nii	UNKNOWN	UNKNOWN	12-Apr-2016

Image Information

Orientation	radiological
Scale factor	0.75
SNR	24.74
Total intracranial volume (cm ³)	1348.05

Volumes	Total (cm ³ /%)	Right (cm ³ /%)	Left (cm ³ /%)	Asym.(%)
<i>Cerebellum</i>	127.26 (9.4400)	64.11 (4.7559)	63.15 (4.6842)	1.5186
<i>Lobule I-II</i>	0.13 (0.0094)	0.06 (0.0043)	0.07 (0.0051)	-16.4706
<i>Lobule III</i>	1.26 (0.0933)	0.65 (0.0480)	0.61 (0.0453)	5.8299
<i>Lobule IV</i>	3.66 (0.2712)	1.85 (0.1376)	1.80 (0.1336)	2.9484
<i>Lobule V</i>	8.25 (0.6120)	4.37 (0.3243)	3.88 (0.2878)	11.9205
<i>Lobule VI</i>	14.81 (1.0985)	7.76 (0.5757)	7.05 (0.5229)	9.6133
<i>Lobule Crus I</i>	23.05 (1.7100)	11.05 (0.8199)	12.00 (0.8901)	-8.2146
<i>Lobule Crus II</i>	18.55 (1.3762)	9.32 (0.6912)	9.23 (0.6850)	0.9037
<i>Lobule VIIB</i>	10.94 (0.8118)	5.39 (0.3995)	5.56 (0.4123)	-3.1325
<i>Lobule VIIIA</i>	13.65 (1.0125)	6.75 (0.5007)	6.90 (0.5118)	-2.1935
<i>Lobule VIIIB</i>	8.06 (0.5978)	4.35 (0.3229)	3.71 (0.2749)	16.0505
<i>Lobule IX</i>	5.81 (0.4306)	2.90 (0.2154)	2.90 (0.2152)	0.1031
<i>Lobule X</i>	1.23 (0.0909)	0.61 (0.0450)	0.62 (0.0459)	-1.9536

Grey matter vol.	Total (cm ³ /%)	Right (cm ³ /%)	Left (cm ³ /%)	Asym.(%)
<i>Cerebellum</i>	88.70 (6.5798)	45.08 (3.3441)	43.62 (3.2358)	3.2926
<i>Lobule I-II</i>	0.08 (0.0058)	0.03 (0.0024)	0.05 (0.0034)	-48.3522
<i>Lobule III</i>	0.96 (0.0713)	0.49 (0.0364)	0.47 (0.0349)	5.6145
<i>Lobule IV</i>	3.19 (0.2367)	1.64 (0.1220)	1.55 (0.1148)	8.1466
<i>Lobule V</i>	7.29 (0.5411)	3.97 (0.2942)	3.33 (0.2469)	23.3346
<i>Lobule VI</i>	12.87 (0.9548)	6.92 (0.5134)	5.95 (0.4414)	20.1697
<i>Lobule Crus I</i>	17.77 (1.3178)	8.70 (0.6457)	9.06 (0.6721)	-5.3476
<i>Lobule Crus II</i>	14.07 (1.0441)	7.16 (0.5310)	6.92 (0.5130)	4.6041
<i>Lobule VIIB</i>	8.79 (0.6521)	4.27 (0.3169)	4.52 (0.3351)	-7.4629
<i>Lobule VIIIA</i>	11.34 (0.8415)	5.56 (0.4121)	5.79 (0.4294)	-5.4655
<i>Lobule VIIIB</i>	6.42 (0.4763)	3.35 (0.2487)	3.07 (0.2275)	11.8995
<i>Lobule IX</i>	4.31 (0.3196)	2.14 (0.1586)	2.17 (0.1611)	-2.0887
<i>Lobule X</i>	1.15 (0.0853)	0.59 (0.0435)	0.56 (0.0418)	5.5669

*All the volumes are presented in absolute value (measured in cm³) and in relative value (measured in relation to the ICV).

*The Asymmetry Index is calculated as the difference between right and left volumes divided by their mean (in percent).

*Cortical thickness is given in absolute value (mm) and also normalized in relation to the cube root of the intracranial volume (adimensional).

*Result images located in the MNI space (neurological orientation).

Cortical thickness	Mean (mm/norm.)	Right (mm/norm.)	Left (mm/norm.)	Asym.(%)
<i>Cerebellum</i>	4.11 (3.725)	4.14 (3.750)	4.09 (3.700)	-1.3389
<i>Lobule I-II</i>	2.30 (2.083)	2.14 (1.940)	2.38 (2.154)	10.3082
<i>Lobule III</i>	3.65 (3.302)	3.79 (3.433)	3.51 (3.178)	-7.7401
<i>Lobule IV</i>	4.75 (4.302)	4.81 (4.353)	4.69 (4.249)	-2.4065
<i>Lobule V</i>	4.85 (4.394)	4.96 (4.493)	4.72 (4.276)	-4.9263
<i>Lobule VI</i>	4.68 (4.234)	4.84 (4.378)	4.49 (4.066)	-7.3747
<i>Lobule Crus I</i>	3.52 (3.183)	3.49 (3.159)	3.54 (3.205)	1.4572
<i>Lobule Crus II</i>	3.48 (3.155)	3.52 (3.189)	3.45 (3.119)	-2.2016
<i>Lobule VIIB</i>	4.39 (3.976)	4.32 (3.911)	4.46 (4.038)	3.1838
<i>Lobule VIIIA</i>	4.52 (4.096)	4.48 (4.052)	4.57 (4.137)	2.0724
<i>Lobule VIIIB</i>	4.61 (4.172)	4.50 (4.078)	4.72 (4.275)	4.7238
<i>Lobule IX</i>	3.39 (3.070)	3.23 (2.927)	3.55 (3.209)	9.2134
<i>Lobule X</i>	2.76 (2.502)	3.06 (2.767)	2.46 (2.227)	-21.5754

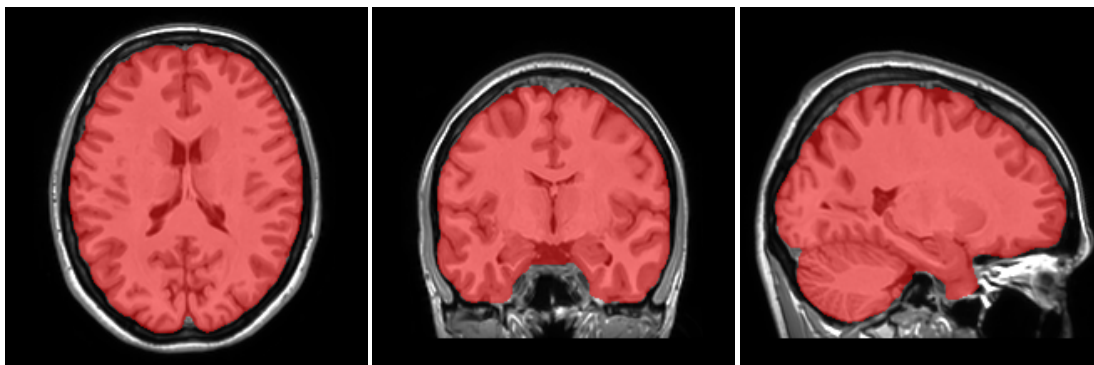
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*The Asymmetry Index is calculated as the difference between right and left volumes divided by their mean (in percent).

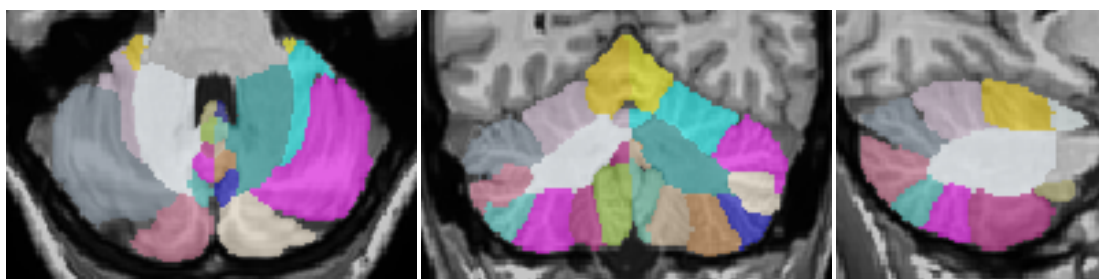
*Cortical thickness is given in absolute value (mm) and also normalized in relation to the cube root of the intracranial volume (adimensional).

*Result images located in the MNI space (neurological orientation).

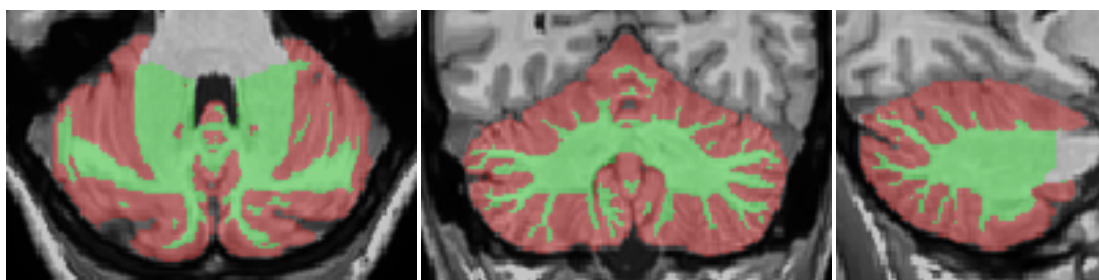
Intracranial cavity extraction



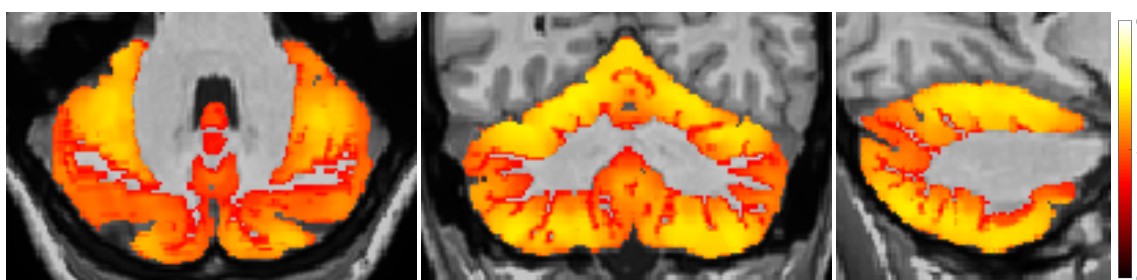
Lobules segmentation



Tissue classification



Cortical thickness



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*Cortical thickness is given in absolute value (mm) and also normalized in relation to the cube root of the intracranial volume (adimensional).

*Result images located in the MNI space (neurological orientation).