

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

Patient ID	Sex	Age	Report Date
job8313	Male	56	14-Apr-2016

Image Information

Orientation	radiological
Scale factor	0.77
SNR	23.28
Total intracranial volume (cm ³)	1400.67

Volumes	Total (cm ³ /%)	Right (cm ³ /%)	Left (cm ³ /%)	Asym.(%)
<i>Cerebellum</i>	123.61 (8.8250) [7.5568, 10.2191]	61.91 (4.4198) [3.7565, 5.0920]	61.70 (4.4053) [3.7911, 5.1362]	0.3297 [-4.3444, 2.5936]
<i>Lobule I-II</i>	0.17 (0.0118) [-0.0023, 0.0259]	0.07 (0.0053) [-0.0030, 0.0156]	0.09 (0.0065) [0.0002, 0.0107]	-21.3953 [-51.8747, 62.8885]
<i>Lobule III</i>	1.68 (0.1199) [0.0682, 0.1471]	0.80 (0.0573) [0.0319, 0.0738]	0.88 (0.0626) [0.0331, 0.0764]	-8.8787 [-31.8751, 25.3507]
<i>Lobule IV</i>	4.06 (0.2901) [0.2189, 0.4226]	2.02 (0.1445) [0.1097, 0.2167]	2.04 (0.1455) [0.1014, 0.2137]	-0.6813 [-20.5661, 27.6084]
<i>Lobule V</i>	8.74 (0.6242) [0.2189, 0.4226]	4.50 (0.3212) [0.1097, 0.2167]	4.24 (0.3030) [0.1014, 0.2137]	5.8570 [-20.5661, 27.6084]
<i>Lobule VI</i>	14.17 (1.0114) [0.9112, 1.5182]	6.84 (0.4882) [0.4493, 0.7588]	7.33 (0.5231) [0.4482, 0.7731]	-6.9040 [-16.0585, 14.1819]
<i>Lobule Crus I</i>	28.37 (2.0257) [1.3328, 2.2622]	14.30 (1.0209) [0.6396, 1.1271]	14.07 (1.0048) [0.6719, 1.1565]	1.5826 [-19.0268, 12.0804]
<i>Lobule Crus II</i>	14.71 (1.0502) [0.7886, 1.4683]	8.17 (0.5830) [0.3832, 0.7304]	6.54 (0.4673) [0.3863, 0.7570]	22.0364 [-22.4576, 17.6638]
<i>Lobule VIIB</i>	7.88 (0.5627) [0.4507, 0.8272]	4.32 (0.3083) [0.2137, 0.4223]	3.56 (0.2544) [0.2175, 0.4244]	19.1786 [-28.6581, 26.7682]
<i>Lobule VIIIA</i>	11.09 (0.7921) [0.6270, 1.0234]	5.45 (0.3889) [0.3051, 0.5191]	5.65 (0.4033) [0.2974, 0.5287]	-3.6313 [-23.8066, 24.0274]
<i>Lobule VIIIB</i>	9.30 (0.6638) [0.4240, 0.7684]	3.80 (0.2713) [0.2044, 0.3996]	5.50 (0.3924) [0.1982, 0.3902]	-36.4869 [-25.3966, 30.7348]
<i>Lobule IX</i>	6.64 (0.4738) [0.3371, 0.7044]	3.22 (0.2300) [0.1628, 0.3477]	3.42 (0.2438) [0.1718, 0.3592]	-5.8387 [-15.8072, 7.6460]
<i>Lobule X</i>	1.18 (0.0844) [0.3371, 0.7044]	0.59 (0.0419) [0.1628, 0.3477]	0.60 (0.0425) [0.1718, 0.3592]	-1.5605 [-15.8072, 7.6460]

*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).

Grey matter vol.	Total (cm³/%)	Right (cm³/%)	Left (cm³/%)	Asym.(%)
<i>Cerebellum</i>	89.32 (6.3768) [5.2813, 7.8043]	44.80 (3.1987) [2.6287, 3.8817]	44.52 (3.1781) [2.6433, 3.9318]	0.6439 [-5.5657, 3.6764]
<i>Lobule I-II</i>	0.11 (0.0079) [-0.0035, 0.0192]	0.05 (0.0033) [-0.3395, 0.0117]	0.06 (0.0046) [-0.0004, 0.0079]	-43.3529 [-90.2092, 81.4354]
<i>Lobule III</i>	1.41 (0.1006) [0.0516, 0.1227]	0.66 (0.0474) [2.4521, 0.0622]	0.75 (0.0532) [0.0244, 0.0632]	-15.0505 [-38.0064, 36.2989]
<i>Lobule IV</i>	3.67 (0.2620) [0.1869, 0.3765]	1.86 (0.1328) [9.3687, 0.1953]	1.81 (0.1292) [0.0862, 0.1881]	3.6513 [-24.4861, 37.3067]
<i>Lobule V</i>	7.75 (0.5532) [0.1869, 0.3765]	4.02 (0.2870) [9.3687, 0.1953]	3.73 (0.2661) [0.0862, 0.1881]	9.8347 [-24.4861, 37.3067]
<i>Lobule VI</i>	12.58 (0.8983) [0.7890, 1.3715]	6.16 (0.4397) [39.2706, 0.6896]	6.42 (0.4586) [0.3842, 0.6940]	-5.4681 [-18.6403, 19.8643]
<i>Lobule Crus I</i>	20.44 (1.4590) [0.9955, 1.8081]	10.28 (0.7343) [48.2569, 0.9003]	10.15 (0.7248) [0.4942, 0.9265]	1.6931 [-24.9316, 18.4447]
<i>Lobule Crus II</i>	10.38 (0.7407) [0.6017, 1.1456]	5.65 (0.4031) [28.9278, 0.5674]	4.73 (0.3376) [0.2954, 0.5953]	23.0162 [-31.1551, 22.0556]
<i>Lobule VIIB</i>	6.62 (0.4727) [0.3727, 0.6856]	3.62 (0.2586) [17.3093, 0.3445]	3.00 (0.2142) [0.1832, 0.3575]	24.4049 [-39.6971, 28.6010]
<i>Lobule VIIIA</i>	9.75 (0.6961) [0.5104, 0.8786]	4.88 (0.3487) [24.9211, 0.4433]	4.87 (0.3474) [0.2419, 0.4546]	0.4923 [-29.7371, 29.4163]
<i>Lobule VIIIB</i>	8.17 (0.5832) [0.3514, 0.6622]	3.35 (0.2391) [17.0125, 0.3405]	4.82 (0.3441) [0.1652, 0.3377]	-46.8133 [-31.7603, 35.7068]
<i>Lobule IX</i>	5.76 (0.4112) [0.2479, 0.5937]	2.77 (0.1979) [11.8728, 0.2892]	2.99 (0.2133) [0.1270, 0.3066]	-9.7574 [-23.7011, 8.2414]
<i>Lobule X</i>	1.15 (0.0822) [0.2479, 0.5937]	0.58 (0.0411) [11.8728, 0.2892]	0.58 (0.0411) [0.1270, 0.3066]	-0.1738 [-23.7011, 8.2414]

*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>	4.39 (3.924) [3.459, 4.043]	4.37 (3.906) [3.418, 4.051]	4.41 (3.943) [3.468, 4.066]	0.9551 [-4.2639, 6.0397]
<i>Lobule I-II</i>	2.71 (2.422) [0.930, 3.363]	2.80 (2.504) [0.964, 3.404]	2.64 (2.359) [0.876, 3.326]	-6.0125 [-22.8700, 15.2214]
<i>Lobule III</i>	4.30 (3.847) [2.672, 4.060]	4.25 (3.802) [2.725, 4.141]	4.35 (3.886) [2.566, 4.022]	2.1984 [-15.0263, 6.5772]
<i>Lobule IV</i>	4.93 (4.406) [3.997, 4.593]	4.97 (4.445) [4.029, 4.630]	4.88 (4.366) [3.923, 4.590]	-1.7932 [-6.7078, 3.2760]
<i>Lobule V</i>	4.94 (4.415) [3.997, 4.593]	4.96 (4.430) [4.029, 4.630]	4.92 (4.400) [3.923, 4.590]	-0.6627 [-6.7078, 3.2760]
<i>Lobule VI</i>	4.87 (4.351) [3.889, 4.558]	4.83 (4.317) [3.883, 4.599]	4.90 (4.383) [3.857, 4.553]	1.5034 [-6.1518, 4.4138]
<i>Lobule Crus I</i>	3.92 (3.500) [2.901, 3.935]	3.94 (3.521) [2.851, 3.945]	3.89 (3.479) [2.858, 4.003]	-1.2146 [-11.7450, 13.5573]
<i>Lobule Crus II</i>	3.25 (2.904) [2.430, 3.791]	3.15 (2.811) [2.183, 3.754]	3.37 (3.016) [2.553, 3.927]	7.0566 [-9.9144, 27.9915]
<i>Lobule VIIB</i>	4.58 (4.093) [3.240, 4.321]	4.60 (4.112) [2.975, 4.369]	4.55 (4.070) [3.406, 4.347]	-1.0322 [-7.8078, 19.1444]
<i>Lobule VIIIA</i>	4.81 (4.296) [3.555, 4.412]	4.88 (4.360) [3.484, 4.484]	4.73 (4.230) [3.544, 4.415]	-3.0259 [-9.4583, 9.2834]
<i>Lobule VIIIB</i>	4.95 (4.424) [3.665, 4.542]	4.93 (4.409) [3.643, 4.625]	4.96 (4.433) [3.542, 4.601]	0.5416 [-14.3045, 11.2217]
<i>Lobule IX</i>	4.59 (4.101) [2.553, 4.113]	4.56 (4.078) [2.435, 4.054]	4.61 (4.122) [2.601, 4.225]	1.0667 [-7.8679, 18.2528]
<i>Lobule X</i>	3.47 (3.104) [2.553, 4.113]	3.71 (3.312) [2.435, 4.054]	3.22 (2.882) [2.601, 4.225]	-13.8273 [-7.8679, 18.2528]

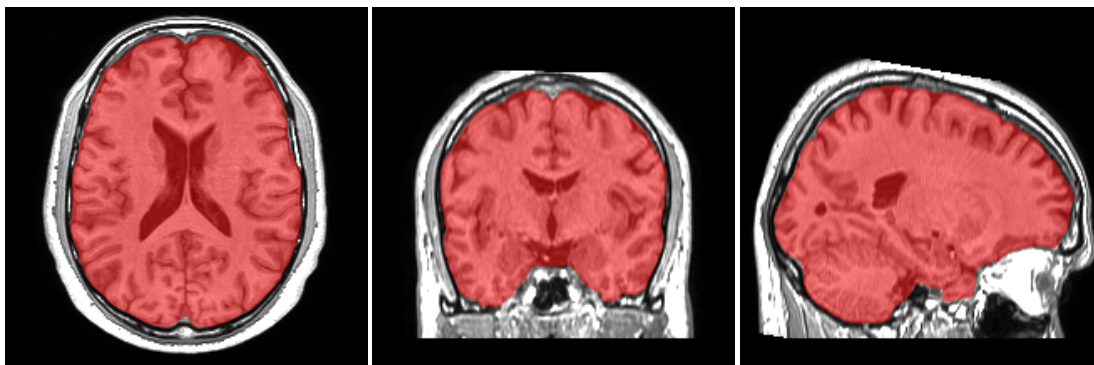
*All the volumes are presented in absolute value (measured in cm³) and in relative value (measured in relation to the ICV).

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

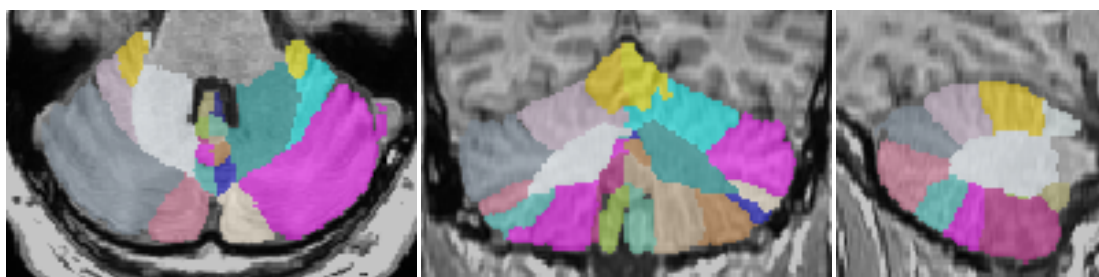
*Cortical thickness is given in absolute value (mm) and also normalized in relation to the cube root of the intracranial volume (adimensional).

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

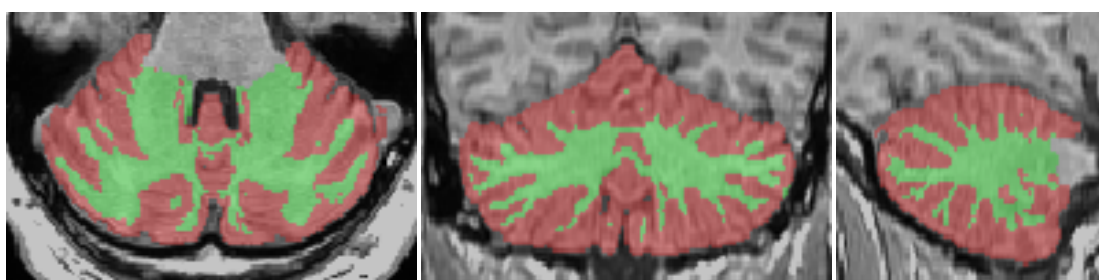
Intracranial cavity extraction



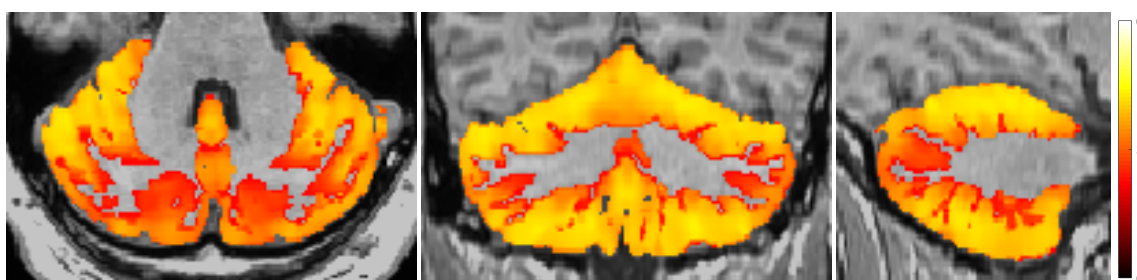
Lobules segmentation



Tissue classification



Cortical thickness



*All the volumes are presented in absolute value (measured in cm^3) 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).