

Subject	Group	Sex	Age	Years of schooling	CAG Repetitions	Age at onset of disease	Years of evolution	CES-D	SARA
1	SCA7 Patients	Male	55	6	43	47	6	14	24
2	SCA7 Patients	Male	63	2	45	56	6	8	16
3	SCA7 Patients	Male	47	12	48	41	4	13	11
4	SCA7 Patients	Male	66	3	43	55	10	8	14.5
5	SCA7 Patients	Male	32	6	48	24	7	12	26
6	SCA7 Patients	Male	26	9	61	21	3	7	12.5
7	SCA7 Patients	Male	38	13	52	29	14	4	16
8	SCA7 Patients	Male	57	2	46	47	7	3	12
9	SCA7 Patients	Male	36	9	55	28	10	0	28
10	SCA7 Patients	Male	28	4	46	26	2	32	12
11	SCA7 Patients	Male	49	6	45	39	17	9	16
12	SCA7 Patients	Male	50	6	50	41	6	8	13
13	SCA7 Patients	Male	63	6	41	56	7	4	25
14	SCA7 Patients	Male	32	6	39	26	6	2	12
15	SCA7 Patients	Female	63	2	39	57	22	0	14
16	SCA7 Patients	Female	34	12	49	26	6	6	19
17	SCA7 Patients	Female	48	2	44	39	7	1	12
18	SCA7 Patients	Female	41	6	55	27	13	16	23
19	SCA7 Patients	Female	36	9	39	-	0	16	0
20	SCA7 Patients	Female	63	1	39	56	7	8	13
21	SCA7 Patients	Female	22	9		20	2	22	11
22	SCA7 Patients	Male	25	15		21	4	4	10

23	SCA7 Patients	Male	38	4		25	13	15	11.5
24	SCA7 Patients	Male	39	10		38	1	3	1
25	SCA7 Patients	Female	16	8		12	4	12	14
26	SCA7 Patients	Female	36	5		25	11	18	20
27	SCA7 Patients	Female	24	18	53	19	5	6	19
28	SCA7 Patients	Female	25	9		22	3	36	11.5
29	SCA7 Patients	Male	33	11		26	7	11	14
30	SCA7 Patients	Male	33	5		30	3	3	9.5
31	SCA7 Patients	Female	51	3	39	41	10	11	14
32	Controls	Male	42	6				3	
33	Controls	Male	24	12				9	
32	Controls	Male	58	6				3	
35	Controls	Male	54	12				13	
36	Controls	Male	65	5				20	
37	Controls	Male	59	3				4	
38	Controls	Male	38	9				5	
39	Controls	Male	53	6				6	
40	Controls	Male	21	8				11	
41	Controls	Male	54	6				1	
42	Controls	Male	48	12				3	
43	Controls	Male	34	9				5	
44	Controls	Male	55	6				3	
45	Controls	Male	54	4				6	
46	Controls	Female	58	9				11	

47	Controls	Female	41	9				3	
48	Controls	Female	62	6				19	
49	Controls	Female	54	3				7	
50	Controls	Female	34	9				3	
51	Controls	Female	36	12				7	
52	Controls	Female	39	12				10	
53	Controls	Female	38	1				12	
54	Controls	Male	23	14				3	
55	Controls	Female	23	12				4	
56	Controls	Female	15	10				6	
57	Controls	Female	35	9				6	
58	Controls	Female	23	17				8	
59	Controls	Female	24	12				4	
60	Controls	Male	37	6				5	
61	Controls	Male	43	11				8	
62	Controls	Male	28	10				4	
63	Controls	Male	28	11				5	

Subject	Group	PATA	MMSE	RAVLT-A1	RAVLT-B1	RAVLT-Learning rate	RAVLT-Proactive interference	RAVLT-Retroactive interference	RAVLT-Forgetting rate
1	SCA7 Patients	12.5	27	0	3	18	0	0.875	1
2	SCA7 Patients	27.5	25	1	4	9	0.25	1.1111	0.9
3	SCA7 Patients	38.5	26	3	7	17	0.4286	0.75	1
4	SCA7 Patients	19.5	24	3	8	11	0.375	0.7857	1
5	SCA7 Patients	21.5	24	3	6	11	0.5	0.7	1
6	SCA7 Patients	29	28	3	4	23	0.75	0.9167	1.0909
7	SCA7 Patients	22.5	26	5	6	27	0.8333	1.25	1
8	SCA7 Patients	23.5	25	8	8	12	1	0.75	1
9	SCA7 Patients	22	27	4	5	20	0.8	0.9231	1
10	SCA7 Patients	29.5	28	0	2	8	0	1.6667	1
11	SCA7 Patients	20.5	26	4	2	11	2	0.6667	1.25
12	SCA7 Patients	32.5	25	3	4	15	0.75	0.7778	0.8571
13	SCA7 Patients	19	24	5	7	5	0.7143	0.6	1.1667
14	SCA7 Patients	25	28	3	9	7	0.3333	0.9091	1.1
15	SCA7 Patients	25	26	1	3	16	0.3333	0.5556	1
16	SCA7 Patients	27	27	6	8	8	0.75	1	1
17	SCA7 Patients	19.5	24	3	5	-2	0.6	0.6667	0.5
18	SCA7 Patients	21	26	6	6	22	1	0.7692	1.1
19	SCA7 Patients	34	25	3	6	13	0.5	0.9	0.8889
20	SCA7 Patients	18.5	27	3	7	7	0.5714	0.8	1.125
21	SCA7 Patients	28	28	5	7	11	0.71	1.1	1
22	SCA7 Patients	29	27	4	7	4	0.57	1	0.87



23	SCA7 Patients	24	25	3	3	13	1	0.83	1
24	SCA7 Patients	36	28	2	7	5	0.28	0.58	0.85
25	SCA7 Patients	22.5	26	6	7	11	0.85	0.91	0.9
26	SCA7 Patients	20	26	4	4	10	1	0.88	1
27	SCA7 Patients	18.5	26	5	5	19	1	0.83	1.1
28	SCA7 Patients	22.5	26	5	5	23	1	0.76	0.9
29	SCA7 Patients	22	28	5	6	18	0.83	0.66	1
30	SCA7 Patients	25.5	20	3	3	19	1	0.81	0.77
31	SCA7 Patients	34	25	4	5	12	0.8	0.75	1.3333
32	Controls	30	26	4	5	13	0.8	0.7	1.2857
33	Controls	38	27	6	7	13	0.8571	0.8462	1.2727
32	Controls	45	24	4	2	29	2	0.8462	0.8182
35	Controls	32.5	25	5	4	15	1.25	0.6363	0.5714
36	Controls	33.5	25	3	3	7	1	0.75	1.3333
37	Controls	37	27	2	2	28	1	1	0.8333
38	Controls	39.5	27	4	7	10	0.5714	0.8889	1
39	Controls	35	27	1	5	18	0.2	1	0.9091
40	Controls	33	25	4	5	17	0.8	1.1	0.82
41	Controls	30.5	26	4	5	5	0.8	0.875	1
42	Controls	32	28	5	4	6	1.25	0.5	1.25
43	Controls	34	26	3	4	18	0.75	0.8181	0.7778
44	Controls	32	27	5	4	31	1.25	0.5333	0.875
45	Controls	30	28	8	4	33	2	0.7333	1
46	Controls	34	28	4	5	21	0.8	1	0.9231

47	Controls	29.5	27	6	4	31	1.5	0.85	1
48	Controls	23	28	3	5	20	0.6	0.8571	1.1667
49	Controls	33.5	26	6	6	19	1	0.6923	1.3333
50	Controls	25.5	28	8	8	13	1	0.6923	1
51	Controls	28.5	28	5	7	15	0.7143	0.75	0.8889
52	Controls	22.5	28	4	8	18	0.5	0.9286	1
53	Controls	26	24	3	4	3	0.75	0.87	1.42
54	Controls	42	28	4	7	11	0.57	0.85	0.66
55	Controls	24.5	27	3	7	15	0.42	0.53	1.28
56	Controls	41	28	5	5	23	1	0.92	0.91
57	Controls	38.5	27	7	4	20	1.75	0.66	1.16
58	Controls	36.5	29	6	8	14	0.75	0.91	1.09
59	Controls	29.5	27	5	7	22	0.71	1	1
60	Controls	44.5	28	5	5	23	1	0.83	0.9
61	Controls	41.5	28	6	4	19	1.5	0.58	1
62	Controls	48	25	5	5	29	1	0.78	1.09
63	Controls	39	26	7	3	20	2.33	0.7	1

Subject	Group	RAVLT- Recognition memory	Semantic fluency. Total words	Semantic fluency. Clusters	Semantic fluency. Mean clusters size	Semantic fluency. Number of switches
1	SCA7 Patients	90	13	3	2	8
2	SCA7 Patients	95.45	15	3	1.67	11
3	SCA7 Patients	95.45	22	3	1.67	18
4	SCA7 Patients	95.45	17	3	1.67	12
5	SCA7 Patients	79.54	12	3	3.67	5
6	SCA7 Patients	93.18	16	4	3.5	7
7	SCA7 Patients	100	19	3	1.67	18
8	SCA7 Patients	95.45	10	0	0	10
9	SCA7 Patients	100	26	5	2	16
10	SCA7 Patients	75	19	1	2	18
11	SCA7 Patients	84.09	18	4	2.25	11
12	SCA7 Patients	88.63	18	4	2.75	9
13	SCA7 Patients	75	10	2	5.5	3
14	SCA7 Patients	95.45	21	3	2.33	16
15	SCA7 Patients	81.81	14	4	3	6
16	SCA7 Patients	93.18	12	2	1.5	13
17	SCA7 Patients	69.63	4	1	5	2
18	SCA7 Patients	84.09	10	2	2	7
19	SCA7 Patients	93.18	17	3	2.33	14
20	SCA7 Patients	100	14	4	1.75	10
21	SCA7 Patients	100	20	3	2.6	17
22	SCA7 Patients	86	23	3	3	23
23	SCA7 Patients	94	20	2	3	18
24	SCA7 Patients	94	17	2	3.5	12
25	SCA7 Patients	94	20	2	3	18
26	SCA7 Patients	86	13	3	3.33	6
27	SCA7 Patients	100	15	3	2.66	16
28	SCA7 Patients	96	24	3	3.33	18
29	SCA7 Patients	100	24	3	2.66	21
30	SCA7 Patients	74	16	4	4.5	7
31	SCA7 Patients	77.27	14	1	2	12
32	Controls	97.72	23	4	3	13
33	Controls	97.72	18	4	2	10
32	Controls	97.72	19	5	2.2	8
35	Controls	93.18	23	5	2.6	9
36	Controls	77.27	17	2	1	19
37	Controls	88.63	13	3	2.33	6
38	Controls	88.63	28	7	2.43	13

39	Controls	97.72	14	4	2.5	6
40	Controls	97.72	13	4	3.25	7
41	Controls	86.36	20	5	3	5
42	Controls	81.81	19	4	3	9
43	Controls	90.9	19	3	2	15
44	Controls	100	19	4	2.5	10
45	Controls	100	20	3	2.33	14
46	Controls	100	23	5	3.4	10
47	Controls	100	25	5	2	18
48	Controls	100	18	2	1.5	16
49	Controls	97.72	14	3	3.33	8
50	Controls	95.45	20	4	3	11
51	Controls	95.45	18	4	2.75	11
52	Controls	100	25	6	2.33	13
53	Controls	88.63	10	0	0	0
54	Controls	98	30	5	5	10
55	Controls	94	18	3	2.33	14
56	Controls	96	21	5	3	15
57	Controls	82	22	4	3	15
58	Controls	98	27	6	3.16	16
59	Controls	98	23	4	3	17
60	Controls	90	20	4	3.25	12
61	Controls	90	30	7	3.42	16
62	Controls	100	24	4	4	13
63	Controls	94	26	5	4.2	14

Subject	Group	Phonemic fluency. Total words	Phonemic fluency. Clusters	Phonemic fluency. Mean cluster size	Phonemic fluency. Number of switches
1	SCA7 Patients	23	3	2.33	21
2	SCA7 Patients	20	2	3	21
3	SCA7 Patients	48	2	2	52
4	SCA7 Patients	34	4	2.25	25
5	SCA7 Patients	16	1	3	18
6	SCA7 Patients	31	4	3.5	20
7	SCA7 Patients	44	4	3.25	35
8	SCA7 Patients	30	3	2	28
9	SCA7 Patients	34	6	3.33	31
10	SCA7 Patients	37	8	4.12	14
11	SCA7 Patients	26	3	2.33	26
12	SCA7 Patients	45	5	3.4	48
13	SCA7 Patients	17	3	3.67	12
14	SCA7 Patients	27	3	2	22
15	SCA7 Patients	22	5	2.6	11
16	SCA7 Patients	40	8	2.75	26
17	SCA7 Patients	16	3	2	11
18	SCA7 Patients	23	4	3.5	13
19	SCA7 Patients	38	1	3	38
20	SCA7 Patients	28	4	4	15
21	SCA7 Patients	36	2	3	34
22	SCA7 Patients	23	2	3	21
23	SCA7 Patients	23	1	3	23
24	SCA7 Patients	44	3	4.66	36
25	SCA7 Patients	36	4	3.25	28
26	SCA7 Patients	22	3	7	7
27	SCA7 Patients	27	5	4.2	14
28	SCA7 Patients	40	2	4	39
29	SCA7 Patients	46	0	0	43
30	SCA7 Patients	15	2	3	16
31	SCA7 Patients	21	0	0	22
32	Controls	43	3	2.33	41
33	Controls	22	0	0	22
32	Controls	45	4	2.5	43
35	Controls	50	2	3	47
36	Controls	22	1	6	19
37	Controls	22	0	0	23
38	Controls	32	2	3	33
39	Controls	30	2	2.5	26

40	Controls	24	4	2.25	15
41	Controls	25	3	2	22
42	Controls	18	2	2.5	15
43	Controls	39	3	3.33	34
44	Controls	28	0	0	28
45	Controls	37	6	2.5	24
46	Controls	49	4	3.5	35
47	Controls	47	7	2.71	32
48	Controls	21	2	2	18
49	Controls	24	1	3	21
50	Controls	36	3	2.33	31
51	Controls	48	3	2	45
52	Controls	37	2	2.5	34
53	Controls	9	2	3	7
54	Controls	53	6	3.5	39
55	Controls	24	2	4	18
56	Controls	40	3	3	36
57	Controls	47	2	3	46
58	Controls	32	1	4	32
59	Controls	60	5	3.8	49
60	Controls	35	0	0	36
61	Controls	51	6	4.16	34
62	Controls	40	1	3	39
63	Controls	32	4	3	32

# CERES Volumetry Report. version 1.0 release 20-06-2016

Patient ID	Sex	Age	Report Date
job12453	Female	16	26-Jul-2016

## Image Information

Orientation	radiological
Scale factor	0.70
SNR	46.64
Total intracranial volume (cm <sup>3</sup> )	1287.60

Volumes	Total (cm <sup>3</sup> /%)	Right (cm <sup>3</sup> /%)	Left (cm <sup>3</sup> /%)	Asym.(%)
<i>Cerebellum</i>	92.37 (7.1736) [8.1765, 11.0273]	45.00 (3.4947) [4.0759, 5.5272]	47.37 (3.6789) [4.0914, 5.5093]	-5.1342 [-3.5185, 3.5551]
<i>Lobule I-II</i>	0.07 (0.0051) [0.0042, 0.0154]	0.03 (0.0023) [0.0018, 0.0073]	0.04 (0.0028) [0.0021, 0.0085]	-21.2766 [-53.4575, 23.3599]
<i>Lobule III</i>	0.87 (0.0673) [0.0763, 0.1610]	0.43 (0.0336) [0.0356, 0.0801]	0.43 (0.0337) [0.0388, 0.0828]	-0.1614 [-29.5366, 20.0350]
<i>Lobule IV</i>	3.93 (0.3055) [0.2520, 0.4412]	2.04 (0.1588) [0.1236, 0.2269]	1.89 (0.1467) [0.1188, 0.2239]	7.9004 [-23.9290, 28.5581]
<i>Lobule V</i>	6.33 (0.4918) [0.2520, 0.4412]	3.61 (0.2805) [0.1236, 0.2269]	2.72 (0.2113) [0.1188, 0.2239]	28.1609 [-23.9290, 28.5581]
<i>Lobule VI</i>	12.72 (0.9881) [1.0522, 1.7009]	5.80 (0.4503) [0.5128, 0.8493]	6.92 (0.5377) [0.5221, 0.8690]	-17.6917 [-18.4813, 14.5442]
<i>Lobule Crus I</i>	17.74 (1.3778) [1.5451, 2.5381]	7.86 (0.6107) [0.7737, 1.2828]	9.88 (0.7672) [0.7566, 1.2700]	-22.7149 [-10.6618, 14.7046]
<i>Lobule Crus II</i>	11.66 (0.9055) [0.8925, 1.5643]	5.05 (0.3925) [0.4320, 0.7790]	6.61 (0.5130) [0.4425, 0.8033]	-26.6162 [-20.9985, 16.6258]
<i>Lobule VIIIB</i>	7.16 (0.5561) [0.5180, 0.8839]	3.47 (0.2693) [0.2547, 0.4492]	3.69 (0.2868) [0.2492, 0.4488]	-6.2750 [-20.6879, 22.0119]
<i>Lobule VIIIA</i>	9.93 (0.7713) [0.6872, 1.1173]	5.36 (0.4165) [0.3285, 0.5723]	4.57 (0.3549) [0.3382, 0.5655]	15.9679 [-22.2972, 21.9540]
<i>Lobule VIIIB</i>	6.66 (0.5175) [0.4392, 0.7403]	3.46 (0.2691) [0.2121, 0.3777]	3.20 (0.2484) [0.2113, 0.3783]	7.9832 [-23.6674, 24.8286]
<i>Lobule IX</i>	4.57 (0.3547) [0.3681, 0.7392]	2.21 (0.1719) [0.1768, 0.3671]	2.35 (0.1827) [0.1889, 0.3745]	-6.0996 [-15.4010, 8.5587]
<i>Lobule X</i>	0.99 (0.0771) [0.3681, 0.7392]	0.49 (0.0383) [0.1768, 0.3671]	0.50 (0.0388) [0.1889, 0.3745]	-1.1283 [-15.4010, 8.5587]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).

<b>Grey matter vol.</b>	<b>Total (cm<sup>3</sup>/%)</b>	<b>Right (cm<sup>3</sup>/%)</b>	<b>Left (cm<sup>3</sup>/%)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	70.91 (5.5069) [6.0162, 8.3635]	33.58 (2.6082) [2.9883, 4.1689]	37.32 (2.8987) [3.0173, 4.2052]	-10.5494 [-5.4418, 3.6930]
<i>Lobule I-II</i>	0.06 (0.0047) [0.0028, 0.0098]	0.03 (0.0022) [0.0011, 0.0046]	0.03 (0.0025) [0.0014, 0.0055]	-19.9373 [-99.1751, 42.3459]
<i>Lobule III</i>	0.77 (0.0596) [0.0559, 0.1204]	0.37 (0.0286) [0.0265, 0.0608]	0.40 (0.0310) [0.0277, 0.0613]	-11.2015 [-41.4038, 35.3429]
<i>Lobule IV</i>	3.63 (0.2818) [0.2191, 0.3872]	1.87 (0.1456) [0.1077, 0.2010]	1.75 (0.1362) [0.1026, 0.1950]	9.5348 [-34.0334, 43.6948]
<i>Lobule V</i>	5.72 (0.4446) [0.2191, 0.3872]	3.25 (0.2520) [0.1077, 0.2010]	2.48 (0.1925) [0.1026, 0.1950]	38.2584 [-34.0334, 43.6948]
<i>Lobule VI</i>	11.40 (0.8857) [0.9309, 1.5222]	5.16 (0.4008) [0.4566, 0.7646]	6.24 (0.4849) [0.4583, 0.7736]	-27.1491 [-24.7600, 23.1185]
<i>Lobule Crus I</i>	14.54 (1.1289) [1.1736, 2.0362]	6.07 (0.4718) [0.5864, 1.0263]	8.46 (0.6571) [0.5715, 1.0256]	-46.9055 [-19.5725, 24.1212]
<i>Lobule Crus II</i>	9.35 (0.7262) [0.7136, 1.2927]	3.88 (0.3015) [0.3453, 0.6407]	5.47 (0.4247) [0.3529, 0.6674]	-48.4870 [-31.8352, 24.4044]
<i>Lobule VIIB</i>	5.94 (0.4611) [0.4298, 0.7544]	2.81 (0.2180) [0.2053, 0.3755]	3.13 (0.2431) [0.2126, 0.3908]	-15.5297 [-36.1522, 25.7648]
<i>Lobule VIIIA</i>	8.50 (0.6603) [0.5836, 0.9658]	4.53 (0.3515) [0.2781, 0.4905]	3.98 (0.3088) [0.2893, 0.4916]	18.4897 [-32.8336, 28.4498]
<i>Lobule VIIIB</i>	5.92 (0.4601) [0.3694, 0.6440]	3.14 (0.2439) [0.1767, 0.3276]	2.78 (0.2162) [0.1786, 0.3305]	17.2190 [-37.6184, 34.5805]
<i>Lobule IX</i>	3.86 (0.3000) [0.3033, 0.5984]	1.88 (0.1461) [0.1422, 0.2910]	1.98 (0.1540) [0.1584, 0.3101]	-7.5583 [-30.9145, 9.0493]
<i>Lobule X</i>	0.97 (0.0752) [0.3033, 0.5984]	0.49 (0.0379) [0.1422, 0.2910]	0.48 (0.0373) [0.1584, 0.3101]	2.0648 [-30.9145, 9.0493]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).



<b>Cortical thickness</b>	<b>Mean (mm/norm.)</b>	<b>Right (mm/norm.)</b>	<b>Left (mm/norm.)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	4.65 (4.274) [3.868, 4.402]	4.67 (4.296) [3.847, 4.397]	4.63 (4.255) [3.859, 4.435]	-0.9716 [-3.8043, 4.9549]
<i>Lobule I-II</i>	3.15 (2.898) [1.207, 3.142]	3.20 (2.938) [1.206, 3.275]	3.11 (2.859) [1.160, 3.049]	-2.7310 [-27.4731, 13.6353]
<i>Lobule III</i>	4.28 (3.936) [2.780, 4.019]	4.29 (3.940) [2.798, 4.110]	4.28 (3.932) [2.689, 3.982]	-0.1825 [-16.2745, 9.2713]
<i>Lobule IV</i>	5.26 (4.837) [4.069, 4.730]	5.27 (4.842) [4.109, 4.805]	5.26 (4.832) [3.980, 4.701]	-0.1989 [-8.3064, 3.0108]
<i>Lobule V</i>	5.17 (4.756) [4.069, 4.730]	5.27 (4.847) [4.109, 4.805]	5.05 (4.639) [3.980, 4.701]	-4.3698 [-8.3064, 3.0108]
<i>Lobule VI</i>	5.14 (4.724) [4.117, 4.746]	5.08 (4.672) [4.092, 4.786]	5.19 (4.767) [4.095, 4.747]	2.0144 [-5.7124, 4.9433]
<i>Lobule Crus I</i>	4.31 (3.963) [3.603, 4.514]	4.23 (3.885) [3.552, 4.533]	4.37 (4.019) [3.558, 4.582]	3.3994 [-9.8753, 11.1505]
<i>Lobule Crus II</i>	3.97 (3.649) [3.280, 4.266]	3.89 (3.576) [3.073, 4.258]	4.03 (3.702) [3.346, 4.403]	3.4574 [-8.8231, 20.0446]
<i>Lobule VIIB</i>	4.60 (4.229) [3.726, 4.643]	4.61 (4.234) [3.550, 4.658]	4.60 (4.224) [3.815, 4.697]	-0.2383 [-6.0568, 13.7796]
<i>Lobule VIIIA</i>	4.87 (4.472) [3.928, 4.690]	4.86 (4.470) [3.916, 4.695]	4.87 (4.474) [3.889, 4.732]	0.0899 [-6.3169, 6.5969]
<i>Lobule VIIIB</i>	5.13 (4.714) [3.949, 4.791]	5.22 (4.800) [3.955, 4.837]	5.04 (4.631) [3.807, 4.875]	-3.6012 [-12.6334, 10.0326]
<i>Lobule IX</i>	4.17 (3.837) [3.012, 4.438]	4.33 (3.984) [2.936, 4.366]	4.03 (3.700) [3.016, 4.564]	-7.4030 [-8.6739, 16.4164]
<i>Lobule X</i>	3.84 (3.528) [3.012, 4.438]	4.02 (3.697) [2.936, 4.366]	3.64 (3.346) [3.016, 4.564]	-9.9664 [-8.6739, 16.4164]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) and in relative value (measured in relation to the ICV).

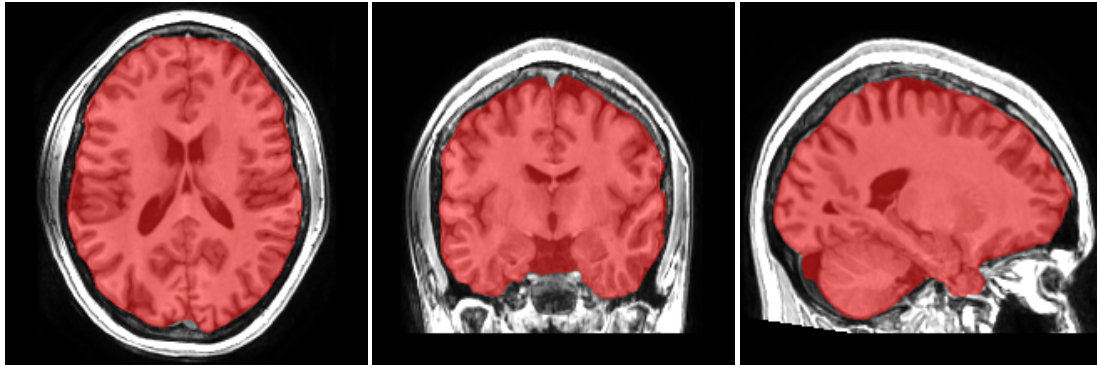
\*The Asymmetry Index is calculated as the difference between right and left volumes divided by their mean (in percent).

\*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).

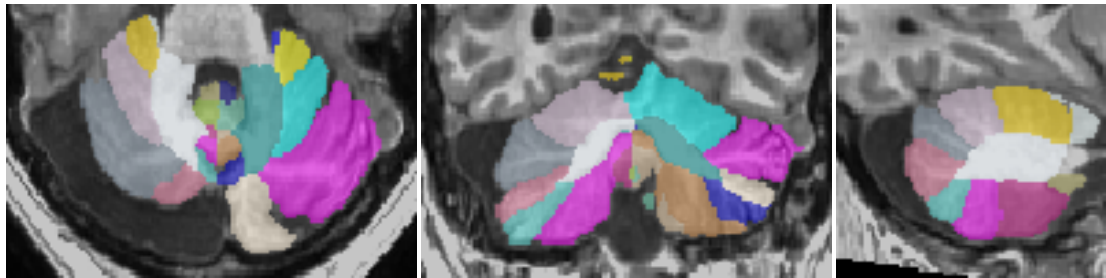
## Intracranial cavity extraction

---



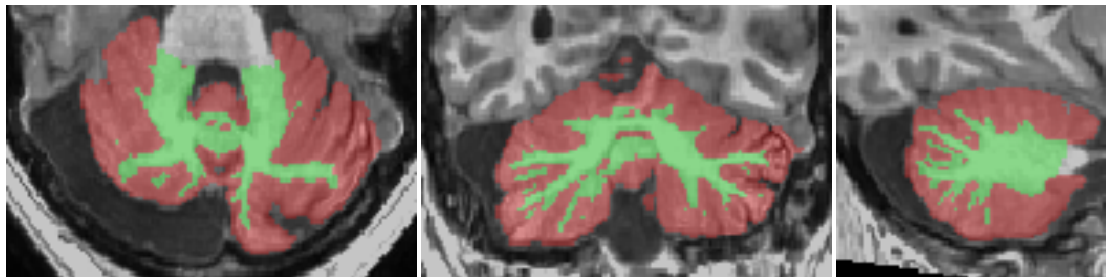
## Lobules segmentation

---



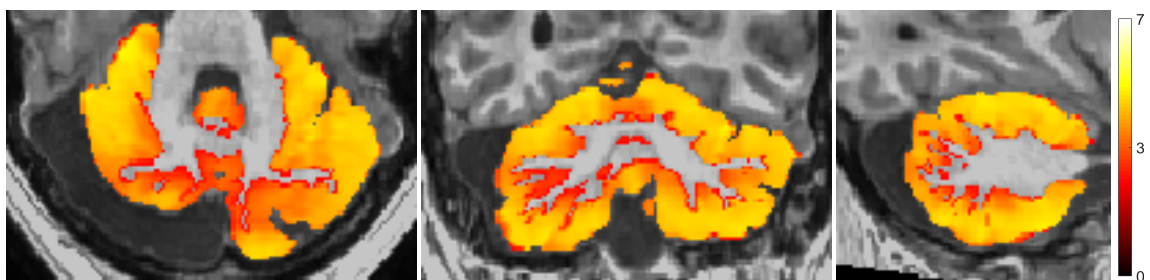
## Tissue classification

---



## Cortical thickness

---



*\*All the volumes are presented in absolute value (measured in  $\text{cm}^3$ ) 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).*

# CERES Volumetry Report. version 1.0 release 20-06-2016

Patient ID	Sex	Age	Report Date
job12862	Male	32	02-Aug-2016

## Image Information

Orientation	radiological
Scale factor	0.71
SNR	15.51
Total intracranial volume (cm <sup>3</sup> )	1285.71

Volumes	Total (cm <sup>3</sup> /%)	Right (cm <sup>3</sup> /%)	Left (cm <sup>3</sup> /%)	Asym.(%)
<i>Cerebellum</i>	81.73 (6.3570) [8.1540, 10.8124]	40.95 (3.1848) [4.0605, 5.3954]	40.79 (3.1723) [4.0840, 5.4265]	0.3919 [-4.0638, 2.8926]
<i>Lobule I-II</i>	0.06 (0.0049) [0.0048, 0.0137]	0.03 (0.0024) [0.0020, 0.0068]	0.03 (0.0024) [0.0024, 0.0073]	0.0000 [-49.0151, 30.5570]
<i>Lobule III</i>	0.85 (0.0660) [0.0668, 0.1467]	0.45 (0.0347) [0.0318, 0.0741]	0.40 (0.0313) [0.0328, 0.0748]	10.1921 [-27.4238, 23.7080]
<i>Lobule IV</i>	2.73 (0.2127) [0.2516, 0.4324]	1.35 (0.1053) [0.1218, 0.2205]	1.38 (0.1074) [0.1203, 0.2213]	-1.9699 [-24.8748, 25.6535]
<i>Lobule V</i>	5.30 (0.4125) [0.2516, 0.4324]	2.69 (0.2089) [0.1218, 0.2205]	2.62 (0.2036) [0.1203, 0.2213]	2.5391 [-24.8748, 25.6535]
<i>Lobule VI</i>	10.34 (0.8044) [1.0306, 1.6141]	5.15 (0.4008) [0.5161, 0.8113]	5.19 (0.4036) [0.4998, 0.8175]	-0.6853 [-14.4363, 15.8926]
<i>Lobule Crus I</i>	13.19 (1.0259) [1.4834, 2.4136]	6.61 (0.5143) [0.7160, 1.2044]	6.58 (0.5116) [0.7457, 1.2309]	0.5266 [-18.2258, 12.2754]
<i>Lobule Crus II</i>	12.31 (0.9572) [0.8583, 1.5473]	6.13 (0.4764) [0.4115, 0.7705]	6.18 (0.4807) [0.4286, 0.7951]	-0.8984 [-22.7630, 15.5587]
<i>Lobule VIIIB</i>	7.26 (0.5650) [0.5012, 0.8768]	3.67 (0.2851) [0.2400, 0.4415]	3.60 (0.2799) [0.2418, 0.4547]	1.8538 [-28.5077, 24.0838]
<i>Lobule VIIIA</i>	9.51 (0.7398) [0.7204, 1.1046]	4.90 (0.3807) [0.3563, 0.5648]	4.62 (0.3590) [0.3408, 0.5632]	5.8718 [-20.2570, 24.3979]
<i>Lobule VIIIB</i>	5.65 (0.4394) [0.4665, 0.8053]	2.97 (0.2307) [0.2286, 0.4233]	2.68 (0.2087) [0.2157, 0.4042]	10.0351 [-22.0840, 32.1001]
<i>Lobule IX</i>	5.09 (0.3957) [0.3790, 0.7095]	2.55 (0.1982) [0.1804, 0.3479]	2.54 (0.1975) [0.1958, 0.3644]	0.3344 [-18.0068, 6.1450]
<i>Lobule X</i>	0.84 (0.0650) [0.3790, 0.7095]	0.41 (0.0316) [0.1804, 0.3479]	0.43 (0.0335) [0.1958, 0.3644]	-5.7627 [-18.0068, 6.1450]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).

<b>Grey matter vol.</b>	<b>Total (cm<sup>3</sup>/%)</b>	<b>Right (cm<sup>3</sup>/%)</b>	<b>Left (cm<sup>3</sup>/%)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	<b>57.57 (4.4778)</b> [6.0513, 8.2230]	<b>29.44 (2.2898)</b> [3.0237, 4.0926]	<b>28.13 (2.1880)</b> [3.0160, 4.1419]	<b>4.5450</b> [-5.2767, 4.1442]
<i>Lobule I-II</i>	<b>0.05 (0.0037)</b> [0.0026, 0.0081]	<b>0.02 (0.0017)</b> [0.0009, 0.0040]	<b>0.03 (0.0021)</b> [0.0014, 0.0045]	<b>-33.1995</b> [-88.3554, 41.7578]
<i>Lobule III</i>	<b>0.58 (0.0452)</b> [0.0487, 0.1095]	<b>0.30 (0.0232)</b> [0.0231, 0.0562]	<b>0.28 (0.0220)</b> [0.0236, 0.0552]	<b>7.5711</b> [-34.9036, 35.9906]
<i>Lobule IV</i>	<b>2.49 (0.1939)</b> [0.2163, 0.3799]	<b>1.24 (0.0967)</b> [0.1041, 0.1955]	<b>1.25 (0.0972)</b> [0.1034, 0.1932]	<b>-0.8021</b> [-31.1717, 33.8617]
<i>Lobule V</i>	<b>4.71 (0.3662)</b> [0.2163, 0.3799]	<b>2.43 (0.1887)</b> [0.1041, 0.1955]	<b>2.28 (0.1776)</b> [0.1034, 0.1932]	<b>8.5797</b> [-31.1717, 33.8617]
<i>Lobule VI</i>	<b>9.31 (0.7241)</b> [0.9174, 1.4554]	<b>4.68 (0.3639)</b> [0.4638, 0.7345]	<b>4.63 (0.3602)</b> [0.4397, 0.7348]	<b>1.4179</b> [-17.1626, 22.1816]
<i>Lobule Crus I</i>	<b>11.07 (0.8606)</b> [1.1692, 1.9723]	<b>5.70 (0.4435)</b> [0.5659, 0.9853]	<b>5.36 (0.4171)</b> [0.5826, 1.0076]	<b>8.6576</b> [-24.3845, 18.1223]
<i>Lobule Crus II</i>	<b>9.60 (0.7463)</b> [0.7081, 1.2977]	<b>4.93 (0.3836)</b> [0.3371, 0.6471]	<b>4.66 (0.3627)</b> [0.3539, 0.6677]	<b>7.8996</b> [-29.9611, 20.5623]
<i>Lobule VIIB</i>	<b>5.59 (0.4344)</b> [0.4227, 0.7603]	<b>2.89 (0.2250)</b> [0.1984, 0.3777]	<b>2.69 (0.2094)</b> [0.2083, 0.3985]	<b>10.1334</b> [-39.2236, 26.1744]
<i>Lobule VIIIA</i>	<b>6.87 (0.5342)</b> [0.6145, 0.9675]	<b>3.55 (0.2763)</b> [0.3049, 0.4940]	<b>3.32 (0.2579)</b> [0.2901, 0.4931]	<b>9.6968</b> [-25.3149, 30.8497]
<i>Lobule VIIIB</i>	<b>3.26 (0.2532)</b> [0.3968, 0.7003]	<b>1.72 (0.1341)</b> [0.1940, 0.3673]	<b>1.53 (0.1191)</b> [0.1841, 0.3518]	<b>16.7082</b> [-28.3446, 39.5473]
<i>Lobule IX</i>	<b>3.09 (0.2404)</b> [0.3023, 0.5697]	<b>1.53 (0.1190)</b> [0.1435, 0.2770]	<b>1.56 (0.1215)</b> [0.1558, 0.2957]	<b>-2.9759</b> [-25.8092, 8.4602]
<i>Lobule X</i>	<b>0.76 (0.0591)</b> [0.3023, 0.5697]	<b>0.38 (0.0297)</b> [0.1435, 0.2770]	<b>0.38 (0.0294)</b> [0.1558, 0.2957]	<b>1.3150</b> [-25.8092, 8.4602]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).

<b>Cortical thickness</b>	<b>Mean (mm/norm.)</b>	<b>Right (mm/norm.)</b>	<b>Left (mm/norm.)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	4.02 (3.698) [3.824, 4.357]	4.14 (3.812) [3.827, 4.353]	3.89 (3.579) [3.801, 4.379]	-6.3037 [-3.6408, 3.6469]
<i>Lobule I-II</i>	1.77 (1.631) [0.946, 2.555]	1.73 (1.595) [0.944, 2.646]	1.81 (1.662) [0.931, 2.494]	4.0788 [-22.2686, 12.8419]
<i>Lobule III</i>	3.14 (2.890) [2.605, 3.652]	3.15 (2.896) [2.612, 3.709]	3.14 (2.885) [2.530, 3.647]	-0.3806 [-14.0079, 9.3580]
<i>Lobule IV</i>	4.86 (4.473) [4.058, 4.626]	4.91 (4.514) [4.078, 4.666]	4.82 (4.434) [3.996, 4.624]	-1.8028 [-6.3635, 3.4808]
<i>Lobule V</i>	4.93 (4.538) [4.058, 4.626]	4.97 (4.574) [4.078, 4.666]	4.89 (4.500) [3.996, 4.624]	-1.6303 [-6.3635, 3.4808]
<i>Lobule VI</i>	4.87 (4.477) [4.075, 4.670]	4.95 (4.554) [4.082, 4.703]	4.78 (4.400) [4.030, 4.673]	-3.4434 [-5.8488, 3.9719]
<i>Lobule Crus I</i>	4.28 (3.935) [3.544, 4.468]	4.60 (4.228) [3.514, 4.468]	3.94 (3.621) [3.507, 4.527]	-15.4220 [-8.2693, 9.5406]
<i>Lobule Crus II</i>	3.86 (3.548) [3.358, 4.289]	4.05 (3.727) [3.198, 4.267]	3.65 (3.359) [3.403, 4.409]	-10.3967 [-7.6256, 16.8339]
<i>Lobule VIIB</i>	3.92 (3.609) [3.767, 4.540]	3.97 (3.651) [3.644, 4.549]	3.88 (3.564) [3.818, 4.594]	-2.3869 [-5.5710, 10.9223]
<i>Lobule VIIIA</i>	3.77 (3.471) [3.918, 4.519]	3.67 (3.379) [3.931, 4.574]	3.88 (3.571) [3.844, 4.517]	5.5453 [-8.0645, 4.6430]
<i>Lobule VIIIB</i>	2.66 (2.445) [3.971, 4.609]	2.92 (2.685) [3.994, 4.682]	2.36 (2.170) [3.841, 4.635]	-21.0704 [-11.1656, 6.4290]
<i>Lobule IX</i>	1.94 (1.784) [2.972, 4.258]	1.99 (1.826) [2.901, 4.275]	1.89 (1.742) [2.983, 4.293]	-4.7030 [-9.4443, 12.3595]
<i>Lobule X</i>	1.45 (1.334) [2.972, 4.258]	1.60 (1.473) [2.901, 4.275]	1.32 (1.211) [2.983, 4.293]	-19.6403 [-9.4443, 12.3595]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) and in relative value (measured in relation to the ICV).

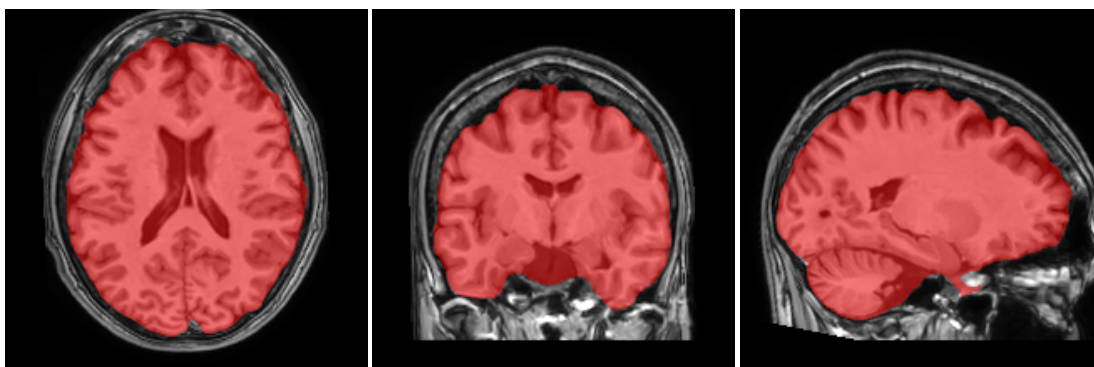
\*The Asymmetry Index is calculated as the difference between right and left volumes divided by their mean (in percent).

\*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).

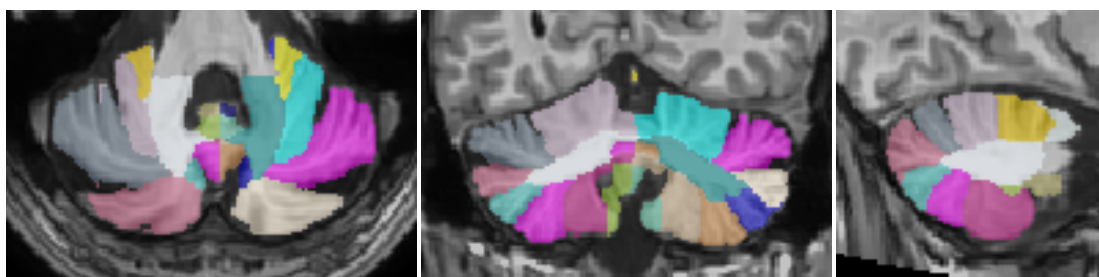
## Intracranial cavity extraction

---



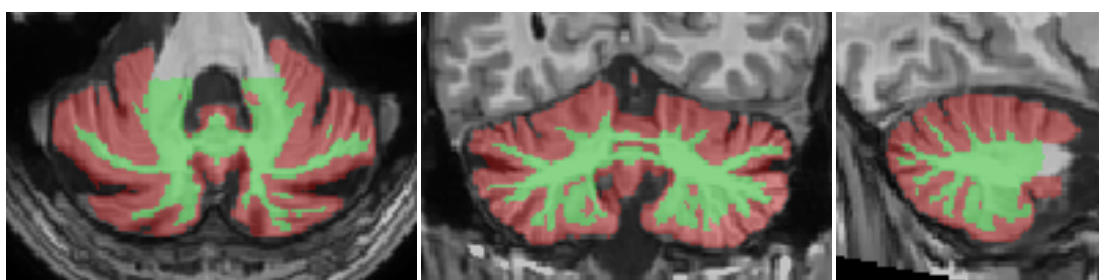
## Lobules segmentation

---



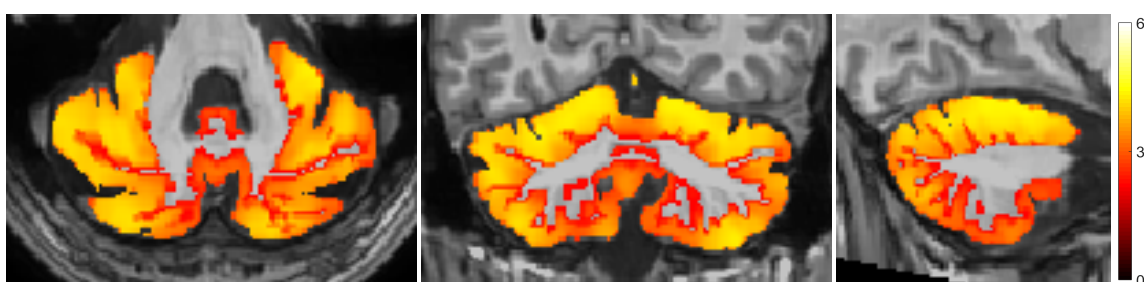
## Tissue classification

---



## Cortical thickness

---



\*All the volumes are presented in absolute value (measured in  $\text{cm}^3$ ) 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).

# CERES Volumetry Report. version 1.0 release 20-06-2016

Patient ID	Sex	Age	Report Date
job12454	Male	26	26-Jul-2016

## Image Information

Orientation	radiological
Scale factor	0.70
SNR	27.54
Total intracranial volume (cm <sup>3</sup> )	1272.17

Volumes	Total (cm <sup>3</sup> /%)	Right (cm <sup>3</sup> /%)	Left (cm <sup>3</sup> /%)	Asym.(%)
<i>Cerebellum</i>	81.93 (6.4403) [8.2162, 10.8843]	40.62 (3.1929) [4.0915, 5.4313]	41.31 (3.2474) [4.1152, 5.4625]	-1.6921 [-4.0915, 2.8904]
<i>Lobule I-II</i>	0.08 (0.0059) [0.0050, 0.0140]	0.03 (0.0026) [0.0021, 0.0069]	0.04 (0.0033) [0.0026, 0.0075]	-22.2222 [-51.4205, 28.4422]
<i>Lobule III</i>	0.65 (0.0514) [0.0673, 0.1475]	0.29 (0.0224) [0.0320, 0.0745]	0.37 (0.0290) [0.0331, 0.0752]	-25.4002 [-27.7632, 23.5554]
<i>Lobule IV</i>	2.23 (0.1749) [0.2585, 0.4400]	1.06 (0.0835) [0.1246, 0.2236]	1.16 (0.0915) [0.1244, 0.2258]	-9.1593 [-25.7422, 24.9706]
<i>Lobule V</i>	4.70 (0.3698) [0.2585, 0.4400]	2.36 (0.1853) [0.1246, 0.2236]	2.35 (0.1845) [0.1244, 0.2258]	0.4452 [-25.7422, 24.9706]
<i>Lobule VI</i>	10.84 (0.8523) [1.0501, 1.6357]	5.40 (0.4248) [0.5296, 0.8259]	5.44 (0.4276) [0.5057, 0.8246]	-0.6567 [-13.3679, 17.0718]
<i>Lobule Crus I</i>	16.66 (1.3099) [1.4970, 2.4306]	7.95 (0.6249) [0.7220, 1.2122]	8.72 (0.6851) [0.7532, 1.2402]	-9.1903 [-18.4607, 12.1520]
<i>Lobule Crus II</i>	12.20 (0.9594) [0.8689, 1.5604]	6.45 (0.5067) [0.4163, 0.7766]	5.76 (0.4527) [0.4343, 0.8022]	11.2560 [-23.0499, 15.4117]
<i>Lobule VII B</i>	6.94 (0.5458) [0.5078, 0.8848]	3.36 (0.2640) [0.2415, 0.4437]	3.59 (0.2818) [0.2469, 0.4606]	-6.5346 [-29.9363, 22.8473]
<i>Lobule VII A</i>	9.83 (0.7727) [0.7357, 1.1213]	4.76 (0.3740) [0.3649, 0.5742]	5.07 (0.3987) [0.3473, 0.5705]	-6.3911 [-19.9079, 24.9100]
<i>Lobule VII B</i>	5.20 (0.4086) [0.4684, 0.8084]	2.62 (0.2063) [0.2306, 0.4260]	2.57 (0.2023) [0.2155, 0.4047]	1.9339 [-21.5264, 32.8555]
<i>Lobule IX</i>	4.13 (0.3248) [0.3790, 0.7107]	2.08 (0.1632) [0.1803, 0.3484]	2.06 (0.1616) [0.1959, 0.3651]	0.9799 [-18.0400, 6.1999]
<i>Lobule X</i>	0.70 (0.0551) [0.3790, 0.7107]	0.34 (0.0271) [0.1803, 0.3484]	0.36 (0.0280) [0.1959, 0.3651]	-3.1873 [-18.0400, 6.1999]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).



<b>Grey matter vol.</b>	<b>Total (cm<sup>3</sup>/%)</b>	<b>Right (cm<sup>3</sup>/%)</b>	<b>Left (cm<sup>3</sup>/%)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	<b>61.82 (4.8597)</b> [6.1346, 8.3142]	<b>30.57 (2.4027)</b> [3.0649, 4.1377]	<b>31.26 (2.4570)</b> [3.0581, 4.1881]	-2.2334 [-5.3434, 4.1120]
<i>Lobule I-II</i>	0.04 (0.0033) [0.0028, 0.0083]	0.02 (0.0013) [0.0009, 0.0040]	0.03 (0.0020) [0.0016, 0.0046]	-57.3022 [-93.5163, 37.0722]
<i>Lobule III</i>	<b>0.48 (0.0380)</b> [0.0491, 0.1101]	<b>0.18 (0.0142)</b> [0.0234, 0.0566]	<b>0.30 (0.0239)</b> [0.0238, 0.0555]	<b>-73.1781</b> [-35.0115, 36.1416]
<i>Lobule IV</i>	<b>1.93 (0.1519)</b> [0.2227, 0.3868]	<b>0.89 (0.0699)</b> [0.1066, 0.1983]	<b>1.04 (0.0820)</b> [0.1072, 0.1974]	-22.9788 [-32.4886, 32.7822]
<i>Lobule V</i>	3.94 (0.3100) [0.2227, 0.3868]	1.98 (0.1556) [0.1066, 0.1983]	1.96 (0.1544) [0.1072, 0.1974]	1.1665 [-32.4886, 32.7822]
<i>Lobule VI</i>	<b>9.15 (0.7194)</b> [0.9368, 1.4768]	<b>4.70 (0.3694)</b> [0.4768, 0.7484]	<b>4.45 (0.3499)</b> [0.4462, 0.7423]	7.7802 [-15.8820, 23.6059]
<i>Lobule Crus I</i>	<b>13.85 (1.0885)</b> [1.1890, 1.9950]	<b>6.76 (0.5313)</b> [0.5735, 0.9944]	<b>7.09 (0.5572)</b> [0.5947, 1.0213]	-6.8317 [-25.2446, 17.4175]
<i>Lobule Crus II</i>	10.45 (0.8218) [0.7166, 1.3083]	5.46 (0.4293) [0.3404, 0.6516]	4.99 (0.3925) [0.3589, 0.6739]	12.7980 [-30.5026, 20.2053]
<i>Lobule VIIB</i>	6.08 (0.4783) [0.4269, 0.7658]	2.93 (0.2300) [0.1991, 0.3791]	3.16 (0.2483) [0.2118, 0.4027]	-11.0108 [-40.7320, 24.9048]
<i>Lobule VIIIA</i>	8.34 (0.6555) [0.6291, 0.9834]	4.09 (0.3211) [0.3135, 0.5032]	4.25 (0.3344) [0.2960, 0.4997]	-5.8276 [-24.5991, 31.7706]
<i>Lobule VIIIB</i>	<b>3.84 (0.3022)</b> [0.3986, 0.7032]	<b>1.91 (0.1501)</b> [0.1964, 0.3704]	<b>1.94 (0.1521)</b> [0.1833, 0.3516]	-1.9250 [-26.9857, 41.1541]
<i>Lobule IX</i>	<b>2.98 (0.2341)</b> [0.3073, 0.5756]	<b>1.33 (0.1047)</b> [0.1462, 0.2802]	<b>1.65 (0.1294)</b> [0.1581, 0.2985]	<b>-30.2227</b> [-25.4371, 8.9575]
<i>Lobule X</i>	<b>0.59 (0.0468)</b> [0.3073, 0.5756]	<b>0.30 (0.0232)</b> [0.1462, 0.2802]	<b>0.30 (0.0235)</b> [0.1581, 0.2985]	-2.0177 [-25.4371, 8.9575]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).



<b>Cortical thickness</b>	<b>Mean (mm/norm.)</b>	<b>Right (mm/norm.)</b>	<b>Left (mm/norm.)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	4.40 (4.059) [3.831, 4.365]	4.39 (4.053) [3.831, 4.359]	4.40 (4.065) [3.810, 4.391]	0.2902 [-3.5389, 3.7754]
<i>Lobule I-II</i>	1.55 (1.430) [0.975, 2.590]	1.42 (1.306) [0.972, 2.680]	1.65 (1.518) [0.962, 2.531]	14.8263 [-22.3427, 12.8960]
<i>Lobule III</i>	2.94 (2.710) [2.631, 3.681]	2.43 (2.246) [2.636, 3.737]	3.22 (2.976) [2.556, 3.677]	26.9503 [-13.9145, 9.5367]
<i>Lobule IV</i>	4.40 (4.058) [4.064, 4.634]	3.89 (3.591) [4.080, 4.670]	4.83 (4.458) [4.007, 4.637]	21.3547 [-6.1859, 3.6944]
<i>Lobule V</i>	4.08 (3.766) [4.064, 4.634]	3.99 (3.681) [4.080, 4.670]	4.17 (3.850) [4.007, 4.637]	4.4825 [-6.1859, 3.6944]
<i>Lobule VI</i>	4.49 (4.145) [4.089, 4.687]	4.65 (4.292) [4.094, 4.718]	4.32 (3.989) [4.047, 4.692]	-7.2890 [-5.7510, 4.1056]
<i>Lobule Crus I</i>	4.50 (4.154) [3.559, 4.486]	4.63 (4.274) [3.524, 4.481]	4.37 (4.037) [3.528, 4.551]	-5.7094 [-8.0464, 9.8285]
<i>Lobule Crus II</i>	4.64 (4.280) [3.329, 4.264]	4.60 (4.250) [3.152, 4.225]	4.67 (4.314) [3.391, 4.400]	1.4970 [-6.7772, 17.7717]
<i>Lobule VIIB</i>	4.95 (4.568) [3.756, 4.531]	4.91 (4.534) [3.630, 4.538]	4.98 (4.599) [3.809, 4.588]	1.4325 [-5.4620, 11.0915]
<i>Lobule VIIIA</i>	4.64 (4.285) [3.920, 4.524]	4.63 (4.271) [3.937, 4.583]	4.66 (4.297) [3.842, 4.517]	0.6102 [-8.2871, 4.4669]
<i>Lobule VIIIB</i>	4.09 (3.779) [3.977, 4.618]	4.04 (3.724) [4.006, 4.697]	4.15 (3.833) [3.840, 4.636]	2.8635 [-11.5295, 6.1294]
<i>Lobule IX</i>	2.65 (2.448) [3.039, 4.331]	1.87 (1.723) [2.985, 4.364]	3.28 (3.027) [3.035, 4.350]	53.2849 [-10.4416, 11.4419]
<i>Lobule X</i>	1.42 (1.306) [3.039, 4.331]	1.49 (1.380) [2.985, 4.364]	1.34 (1.233) [3.035, 4.350]	-11.2601 [-10.4416, 11.4419]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) and in relative value (measured in relation to the ICV).

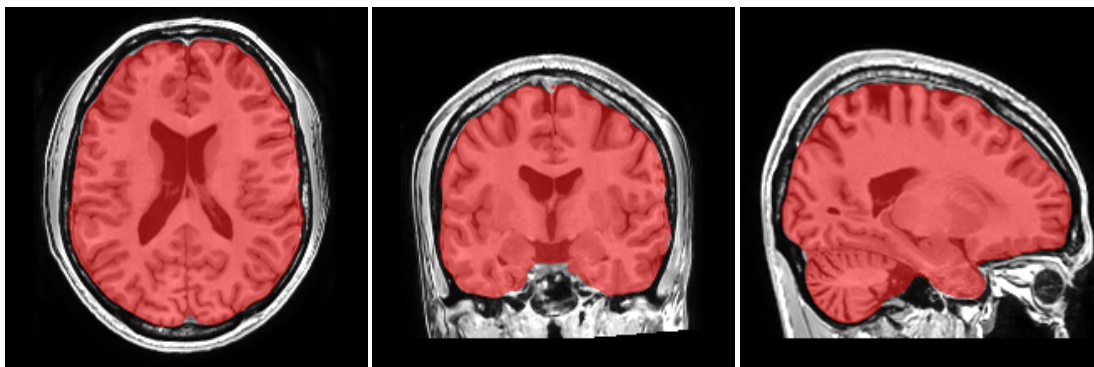
\*The Asymmetry Index is calculated as the difference between right and left volumes divided by their mean (in percent).

\*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).

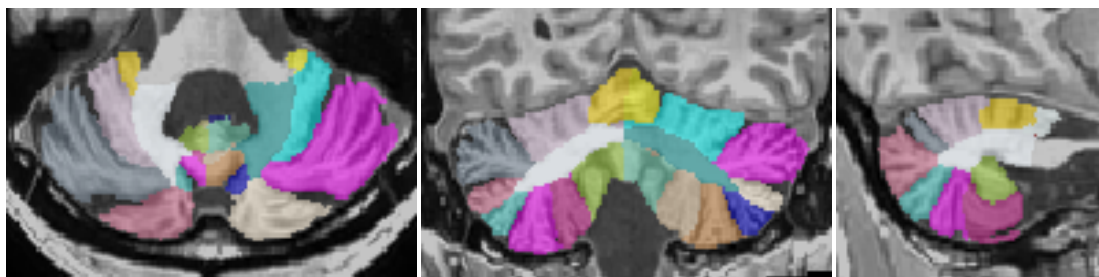
## Intracranial cavity extraction

---



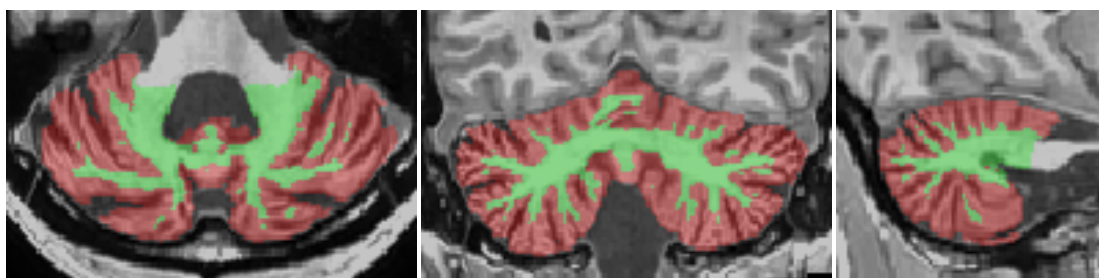
## Lobules segmentation

---



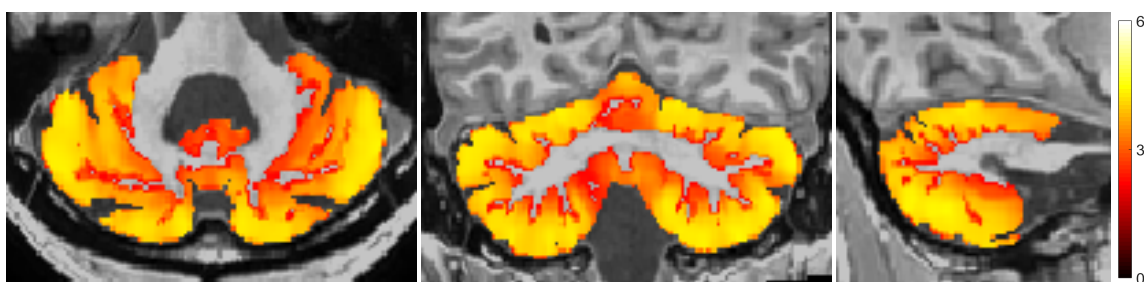
## Tissue classification

---



## Cortical thickness

---



*\*All the volumes are presented in absolute value (measured in  $\text{cm}^3$ ) 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).*

# CERES Volumetry Report. version 1.0 release 20-06-2016

Patient ID	Sex	Age	Report Date
job12456	Male	28	26-Jul-2016

## Image Information

Orientation	radiological
Scale factor	0.73
SNR	24.38
Total intracranial volume (cm <sup>3</sup> )	1320.24

Volumes	Total (cm <sup>3</sup> /%)	Right (cm <sup>3</sup> /%)	Left (cm <sup>3</sup> /%)	Asym.(%)
<i>Cerebellum</i>	105.38 (7.9817) [8.1981, 10.8615]	52.80 (3.9990) [4.0825, 5.4199]	52.58 (3.9828) [4.1061, 5.4511]	0.4059 [-4.0789, 2.8907]
<i>Lobule I-II</i>	0.12 (0.0090) [0.0049, 0.0139]	0.05 (0.0039) [0.0021, 0.0069]	0.07 (0.0051) [0.0025, 0.0074]	-26.8293 [-50.5343, 29.1881]
<i>Lobule III</i>	0.89 (0.0678) [0.0672, 0.1472]	0.41 (0.0313) [0.0319, 0.0744]	0.48 (0.0365) [0.0330, 0.0751]	-15.2846 [-27.6305, 23.5979]
<i>Lobule IV</i>	3.30 (0.2503) [0.2562, 0.4373]	1.50 (0.1134) [0.1237, 0.2225]	1.81 (0.1369) [0.1231, 0.2243]	-18.7583 [-25.4327, 25.1910]
<i>Lobule V</i>	5.91 (0.4479) [0.2562, 0.4373]	3.00 (0.2272) [0.1237, 0.2225]	2.91 (0.2207) [0.1231, 0.2243]	2.9278 [-25.4327, 25.1910]
<i>Lobule VI</i>	17.22 (1.3040) [1.0437, 1.6283]	8.86 (0.6708) [0.5251, 0.8208]	8.36 (0.6332) [0.5039, 0.8222]	5.7553 [-13.7412, 16.6450]
<i>Lobule Crus I</i>	23.20 (1.7573) [1.4931, 2.4251]	11.59 (0.8780) [0.7204, 1.2097]	11.61 (0.8794) [0.7510, 1.2371]	-0.1631 [-18.3701, 12.1888]
<i>Lobule Crus II</i>	11.30 (0.8556) [0.8657, 1.5561]	5.43 (0.4112) [0.4148, 0.7745]	5.87 (0.4444) [0.4326, 0.7998]	-7.7671 [-22.9435, 15.4505]
<i>Lobule VII B</i>	7.57 (0.5737) [0.5058, 0.8821]	3.71 (0.2811) [0.2412, 0.4430]	3.86 (0.2925) [0.2452, 0.4585]	-3.9766 [-29.3988, 23.2920]
<i>Lobule VII A</i>	12.27 (0.9296) [0.7307, 1.1156]	6.48 (0.4910) [0.3621, 0.5710]	5.79 (0.4386) [0.3452, 0.5680]	11.2626 [-20.0165, 24.7228]
<i>Lobule VII B</i>	7.59 (0.5750) [0.4680, 0.8074]	3.79 (0.2867) [0.2300, 0.4251]	3.81 (0.2883) [0.2157, 0.4046]	-0.5558 [-21.7100, 32.5764]
<i>Lobule IX</i>	6.41 (0.4852) [0.3793, 0.7105]	3.14 (0.2377) [0.1805, 0.3483]	3.27 (0.2475) [0.1961, 0.3649]	-4.0659 [-18.0319, 6.1655]
<i>Lobule X</i>	1.14 (0.0861) [0.3793, 0.7105]	0.58 (0.0437) [0.1805, 0.3483]	0.56 (0.0424) [0.1961, 0.3649]	2.9431 [-18.0319, 6.1655]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).

<b>Grey matter vol.</b>	<b>Total (cm<sup>3</sup>/%)</b>	<b>Right (cm<sup>3</sup>/%)</b>	<b>Left (cm<sup>3</sup>/%)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	84.86 (6.4276) [6.1079, 8.2837]	42.66 (3.2313) [3.0517, 4.1226]	42.20 (3.1963) [3.0446, 4.1726]	1.0870 [-5.3161, 4.1226]
<i>Lobule I-II</i>	0.10 (0.0074) [0.0027, 0.0082]	0.04 (0.0032) [0.0009, 0.0040]	0.06 (0.0042) [0.0015, 0.0046]	-36.9293 [-91.6142, 38.7447]
<i>Lobule III</i>	0.77 (0.0582) [0.0490, 0.1099]	0.34 (0.0258) [0.0233, 0.0565]	0.43 (0.0323) [0.0237, 0.0554]	-30.7200 [-34.9661, 36.0619]
<i>Lobule IV</i>	2.87 (0.2173) [0.2205, 0.3844]	1.25 (0.0949) [0.1057, 0.1973]	1.62 (0.1224) [0.1059, 0.1959]	-34.7133 [-32.0200, 33.1361]
<i>Lobule V</i>	5.22 (0.3951) [0.2205, 0.3844]	2.74 (0.2074) [0.1057, 0.1973]	2.48 (0.1878) [0.1059, 0.1959]	13.6098 [-32.0200, 33.1361]
<i>Lobule VI</i>	15.35 (1.1629) [0.9304, 1.4694]	7.89 (0.5975) [0.4724, 0.7436]	7.47 (0.5655) [0.4442, 0.7397]	7.5682 [-16.3294, 23.0890]
<i>Lobule Crus I</i>	19.90 (1.5072) [1.1826, 1.9872]	9.93 (0.7518) [0.5712, 0.9913]	9.97 (0.7553) [0.5908, 1.0166]	-0.6433 [-24.9256, 17.6614]
<i>Lobule Crus II</i>	9.93 (0.7522) [0.7142, 1.3048]	4.76 (0.3603) [0.3395, 0.6502]	5.17 (0.3919) [0.3574, 0.6719]	-11.5606 [-30.2976, 20.3212]
<i>Lobule VIIB</i>	7.00 (0.5300) [0.4258, 0.7640]	3.43 (0.2601) [0.1991, 0.3787]	3.56 (0.2699) [0.2107, 0.4013]	-5.1159 [-40.1596, 25.3619]
<i>Lobule VIIIA</i>	10.73 (0.8128) [0.6243, 0.9780]	5.69 (0.4307) [0.3107, 0.5001]	5.04 (0.3821) [0.2941, 0.4975]	16.4392 [-24.8351, 31.4356]
<i>Lobule VIIIB</i>	6.52 (0.4936) [0.3982, 0.7023]	3.33 (0.2526) [0.1957, 0.3694]	3.18 (0.2410) [0.1837, 0.3518]	6.4448 [-27.4571, 40.5630]
<i>Lobule IX</i>	5.25 (0.3973) [0.3058, 0.5736]	2.62 (0.1986) [0.1453, 0.2791]	2.62 (0.1988) [0.1574, 0.2976]	-0.1144 [-25.5770, 8.7572]
<i>Lobule X</i>	1.07 (0.0810) [0.3058, 0.5736]	0.56 (0.0424) [0.1453, 0.2791]	0.51 (0.0386) [0.1574, 0.2976]	12.7173 [-25.5770, 8.7572]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).

<b>Cortical thickness</b>	<b>Mean (mm/norm.)</b>	<b>Right (mm/norm.)</b>	<b>Left (mm/norm.)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	4.84 (4.409) [3.828, 4.362]	4.82 (4.392) [3.830, 4.357]	4.86 (4.427) [3.807, 4.387]	0.7788 [-3.5731, 3.7284]
<i>Lobule I-II</i>	3.01 (2.740) [0.965, 2.576]	2.85 (2.598) [0.962, 2.668]	3.13 (2.849) [0.951, 2.517]	9.1471 [-22.3120, 12.8648]
<i>Lobule III</i>	3.69 (3.360) [2.622, 3.670]	3.37 (3.076) [2.627, 3.726]	3.93 (3.585) [2.547, 3.666]	15.1315 [-13.9335, 9.4765]
<i>Lobule IV</i>	4.82 (4.394) [4.062, 4.631]	4.62 (4.212) [4.079, 4.668]	4.98 (4.542) [4.003, 4.632]	7.5240 [-6.2452, 3.6178]
<i>Lobule V</i>	4.84 (4.413) [4.062, 4.631]	4.94 (4.501) [4.079, 4.668]	4.74 (4.317) [4.003, 4.632]	-4.1825 [-6.2452, 3.6178]
<i>Lobule VI</i>	5.05 (4.602) [4.084, 4.681]	4.99 (4.550) [4.090, 4.712]	5.11 (4.658) [4.041, 4.685]	2.3571 [-5.7835, 4.0557]
<i>Lobule Crus I</i>	4.73 (4.308) [3.554, 4.479]	4.69 (4.277) [3.521, 4.477]	4.76 (4.339) [3.521, 4.543]	1.4333 [-8.1199, 9.7236]
<i>Lobule Crus II</i>	4.81 (4.380) [3.340, 4.273]	4.67 (4.256) [3.169, 4.240]	4.93 (4.495) [3.396, 4.403]	5.4678 [-7.0779, 17.4278]
<i>Lobule VIIB</i>	5.23 (4.771) [3.761, 4.535]	5.18 (4.722) [3.636, 4.542]	5.29 (4.819) [3.813, 4.590]	2.0316 [-5.5010, 11.0234]
<i>Lobule VIIIA</i>	5.06 (4.617) [3.920, 4.522]	5.08 (4.628) [3.935, 4.580]	5.05 (4.604) [3.843, 4.517]	-0.5287 [-8.2058, 4.5258]
<i>Lobule VIIIB</i>	4.97 (4.530) [3.975, 4.615]	5.10 (4.650) [4.002, 4.691]	4.83 (4.404) [3.840, 4.635]	-5.4270 [-11.3934, 6.2345]
<i>Lobule IX</i>	4.12 (3.752) [3.015, 4.305]	4.09 (3.728) [2.955, 4.332]	4.14 (3.777) [3.017, 4.330]	1.3088 [-10.0774, 11.7676]
<i>Lobule X</i>	2.84 (2.585) [3.015, 4.305]	3.39 (3.088) [2.955, 4.332]	2.27 (2.066) [3.017, 4.330]	-39.5402 [-10.0774, 11.7676]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) and in relative value (measured in relation to the ICV).

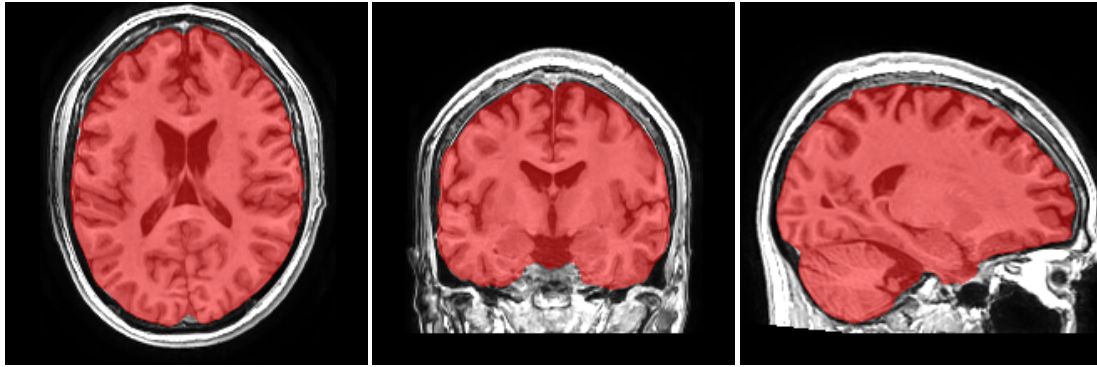
\*The Asymmetry Index is calculated as the difference between right and left volumes divided by their mean (in percent).

\*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).

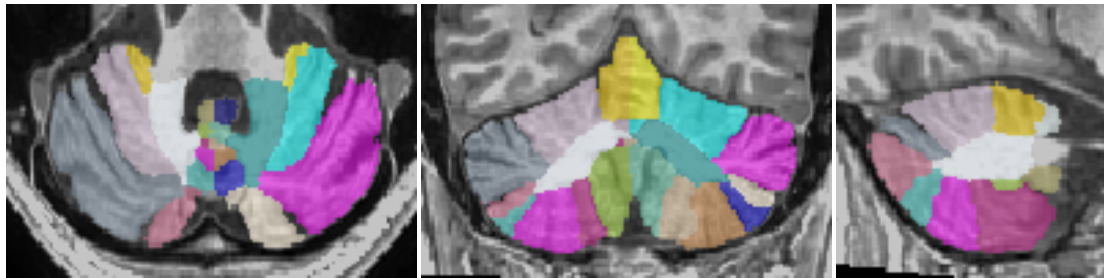
## Intracranial cavity extraction

---



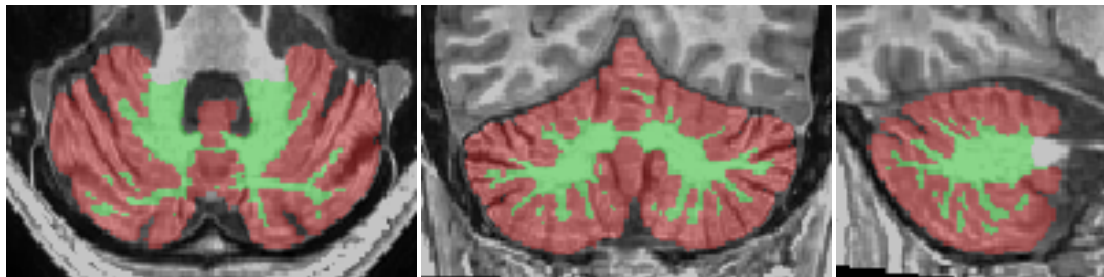
## Lobules segmentation

---



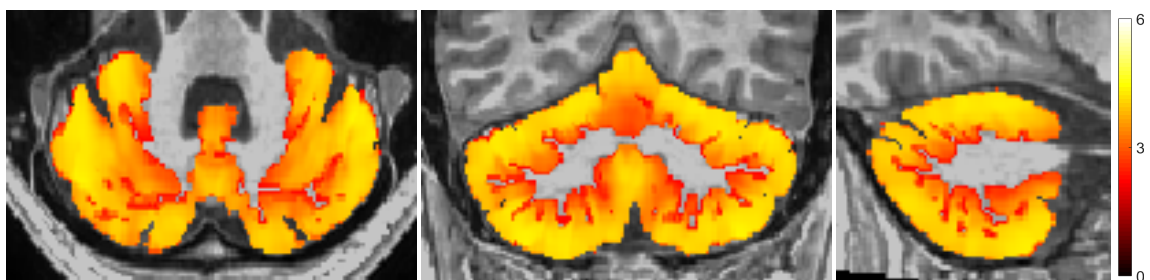
## Tissue classification

---



## Cortical thickness

---



*\*All the volumes are presented in absolute value (measured in  $\text{cm}^3$ ) 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).*



# CERES Volumetry Report. version 1.0 release 20-06-2016

Patient ID	Sex	Age	Report Date
job12828	Female	34	01-Aug-2016

## Image Information

Orientation	radiological
Scale factor	0.62
SNR	19.46
Total intracranial volume (cm <sup>3</sup> )	1124.24

Volumes	Total (cm <sup>3</sup> /%)	Right (cm <sup>3</sup> /%)	Left (cm <sup>3</sup> /%)	Asym.(%)
Cerebellum	89.91 (7.9976) [8.2587, 11.0467]	45.01 (4.0039) [4.1042, 5.5236]	44.90 (3.9937) [4.1455, 5.5322]	0.2574 [-3.9870, 2.9308]
Lobule I-II	0.08 (0.0071) [0.0041, 0.0150]	0.04 (0.0034) [0.0018, 0.0072]	0.04 (0.0037) [0.0020, 0.0082]	-6.2500 [-49.9626, 25.1636]
Lobule III	0.93 (0.0826) [0.0671, 0.1499]	0.43 (0.0385) [0.0318, 0.0754]	0.50 (0.0441) [0.0334, 0.0764]	-13.6729 [-26.7879, 21.6923]
Lobule IV	3.42 (0.3045) [0.2483, 0.4333]	1.75 (0.1556) [0.1214, 0.2224]	1.67 (0.1489) [0.1175, 0.2203]	4.3976 [-23.7307, 27.6008]
Lobule V	6.09 (0.5415) [0.2483, 0.4333]	2.98 (0.2650) [0.1214, 0.2224]	3.11 (0.2765) [0.1175, 0.2203]	-4.2310 [-23.7307, 27.6008]
Lobule VI	13.74 (1.2225) [1.0422, 1.6766]	6.83 (0.6072) [0.5079, 0.8370]	6.92 (0.6153) [0.5174, 0.8566]	-1.3126 [-18.2336, 14.0647]
Lobule Crus I	18.01 (1.6022) [1.5063, 2.4775]	9.41 (0.8373) [0.7432, 1.2412]	8.60 (0.7649) [0.7487, 1.2507]	9.0350 [-13.1150, 11.6929]
Lobule Crus II	11.37 (1.0113) [0.9268, 1.5838]	5.51 (0.4901) [0.4501, 0.7894]	5.86 (0.5211) [0.4592, 0.8120]	-6.1395 [-20.8358, 15.9602]
Lobule VII B	6.60 (0.5872) [0.5304, 0.8882]	3.21 (0.2855) [0.2557, 0.4459]	3.39 (0.3017) [0.2609, 0.4561]	-5.5409 [-23.0390, 18.7207]
Lobule VII A	9.44 (0.8396) [0.6649, 1.0856]	4.75 (0.4223) [0.3217, 0.5602]	4.69 (0.4173) [0.3232, 0.5455]	1.1731 [-20.1261, 23.1509]
Lobule VII B	5.57 (0.4955) [0.4532, 0.7478]	2.76 (0.2453) [0.2206, 0.3825]	2.81 (0.2502) [0.2173, 0.3806]	-1.9656 [-22.5919, 24.8364]
Lobule IX	5.48 (0.4872) [0.3834, 0.7464]	2.64 (0.2349) [0.1836, 0.3696]	2.84 (0.2523) [0.1976, 0.3790]	-7.1550 [-16.0924, 7.3398]
Lobule X	0.78 (0.0695) [0.3834, 0.7464]	0.38 (0.0342) [0.1836, 0.3696]	0.40 (0.0353) [0.1976, 0.3790]	-3.1847 [-16.0924, 7.3398]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).

<b>Grey matter vol.</b>	<b>Total (cm<sup>3</sup>/%)</b>	<b>Right (cm<sup>3</sup>/%)</b>	<b>Left (cm<sup>3</sup>/%)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	66.32 (5.8991) [5.9746, 8.2703]	32.39 (2.8813) [2.9778, 4.1323]	33.93 (3.0178) [2.9865, 4.1483]	-4.6301 [-4.7914, 4.1422]
<i>Lobule I-II</i>	0.04 (0.0033) [0.0023, 0.0092]	0.02 (0.0014) [0.0009, 0.0043]	0.02 (0.0019) [0.0011, 0.0052]	-49.0412 [-97.1062, 41.2990]
<i>Lobule III</i>	0.62 (0.0554) [0.0477, 0.1107]	0.31 (0.0272) [0.0228, 0.0563]	0.32 (0.0283) [0.0233, 0.0561]	-6.4170 [-38.4551, 36.6019]
<i>Lobule IV</i>	2.86 (0.2540) [0.2123, 0.3767]	1.45 (0.1287) [0.1040, 0.1953]	1.41 (0.1253) [0.0997, 0.1901]	4.2716 [-33.2979, 42.7190]
<i>Lobule V</i>	5.15 (0.4583) [0.2123, 0.3767]	2.53 (0.2250) [0.1040, 0.1953]	2.62 (0.2332) [0.0997, 0.1901]	-5.7451 [-33.2979, 42.7190]
<i>Lobule VI</i>	12.33 (1.0968) [0.9165, 1.4947]	6.10 (0.5428) [0.4502, 0.7514]	6.23 (0.5540) [0.4506, 0.7590]	-3.2926 [-24.1359, 22.6885]
<i>Lobule Crus I</i>	15.72 (1.3985) [1.1550, 1.9986]	8.19 (0.7284) [0.5715, 1.0017]	7.53 (0.6701) [0.5682, 1.0123]	13.3950 [-21.8244, 20.9073]
<i>Lobule Crus II</i>	9.48 (0.8434) [0.7469, 1.3132]	4.60 (0.4090) [0.3648, 0.6537]	4.88 (0.4343) [0.3669, 0.6745]	-9.6399 [-30.4674, 24.5340]
<i>Lobule VIIB</i>	5.33 (0.4745) [0.4403, 0.7578]	2.45 (0.2182) [0.2092, 0.3757]	2.88 (0.2563) [0.2194, 0.3937]	-25.8319 [-36.8269, 23.7270]
<i>Lobule VIIIA</i>	7.04 (0.6259) [0.5587, 0.9325]	3.35 (0.2978) [0.2723, 0.4801]	3.69 (0.3281) [0.2704, 0.4683]	-15.6042 [-27.2606, 32.6736]
<i>Lobule VIIIB</i>	3.55 (0.3157) [0.3732, 0.6417]	1.60 (0.1427) [0.1807, 0.3283]	1.94 (0.1730) [0.1787, 0.3272]	-30.8249 [-34.1020, 36.5073]
<i>Lobule IX</i>	3.36 (0.2990) [0.2969, 0.5854]	1.39 (0.1234) [0.1415, 0.2871]	1.97 (0.1756) [0.1526, 0.3010]	-56.1109 [-27.7015, 11.3824]
<i>Lobule X</i>	0.70 (0.0625) [0.2969, 0.5854]	0.35 (0.0312) [0.1415, 0.2871]	0.35 (0.0314) [0.1526, 0.3010]	-1.1380 [-27.7015, 11.3824]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).



<b>Cortical thickness</b>	<b>Mean (mm/norm.)</b>	<b>Right (mm/norm.)</b>	<b>Left (mm/norm.)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	4.27 (4.108) [3.885, 4.407]	4.20 (4.036) [3.884, 4.421]	4.34 (4.178) [3.858, 4.421]	3.4429 [-4.6025, 3.9639]
<i>Lobule I-II</i>	1.01 (0.974) [0.889, 2.782]	0.93 (0.895) [0.874, 2.897]	1.07 (1.028) [0.864, 2.711]	13.6936 [-25.2247, 14.9786]
<i>Lobule III</i>	2.80 (2.694) [2.620, 3.832]	2.82 (2.712) [2.622, 3.905]	2.78 (2.677) [2.549, 3.813]	-1.2833 [-15.0673, 9.9160]
<i>Lobule IV</i>	4.79 (4.611) [4.127, 4.773]	4.78 (4.595) [4.156, 4.836]	4.81 (4.627) [4.048, 4.753]	0.6953 [-7.6834, 3.3846]
<i>Lobule V</i>	4.76 (4.574) [4.127, 4.773]	4.79 (4.611) [4.156, 4.836]	4.72 (4.540) [4.048, 4.753]	-1.5510 [-7.6834, 3.3846]
<i>Lobule VI</i>	5.00 (4.809) [4.155, 4.770]	4.96 (4.774) [4.141, 4.819]	5.04 (4.843) [4.125, 4.762]	1.4366 [-6.0361, 4.3849]
<i>Lobule Crus I</i>	4.51 (4.334) [3.597, 4.488]	4.51 (4.336) [3.550, 4.510]	4.50 (4.332) [3.550, 4.551]	-0.0862 [-9.7653, 10.7976]
<i>Lobule Crus II</i>	4.22 (4.063) [3.385, 4.349]	4.15 (3.994) [3.214, 4.373]	4.29 (4.128) [3.417, 4.450]	3.2889 [-10.4746, 17.7575]
<i>Lobule VIIB</i>	4.21 (4.047) [3.781, 4.677]	3.90 (3.749) [3.643, 4.726]	4.47 (4.302) [3.835, 4.699]	13.6444 [-7.6935, 11.7062]
<i>Lobule VIIIA</i>	4.04 (3.882) [3.941, 4.686]	3.83 (3.685) [3.982, 4.743]	4.23 (4.066) [3.850, 4.675]	9.7965 [-8.6540, 3.9755]
<i>Lobule VIIIB</i>	2.89 (2.778) [3.934, 4.758]	2.62 (2.520) [3.976, 4.839]	3.11 (2.990) [3.756, 4.800]	16.9009 [-14.1151, 8.0519]
<i>Lobule IX</i>	2.39 (2.302) [2.875, 4.270]	1.76 (1.696) [2.832, 4.231]	2.84 (2.731) [2.850, 4.364]	44.9269 [-10.1945, 14.3434]
<i>Lobule X</i>	1.41 (1.357) [2.875, 4.270]	1.48 (1.424) [2.832, 4.231]	1.33 (1.278) [2.850, 4.364]	-10.7983 [-10.1945, 14.3434]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) and in relative value (measured in relation to the ICV).

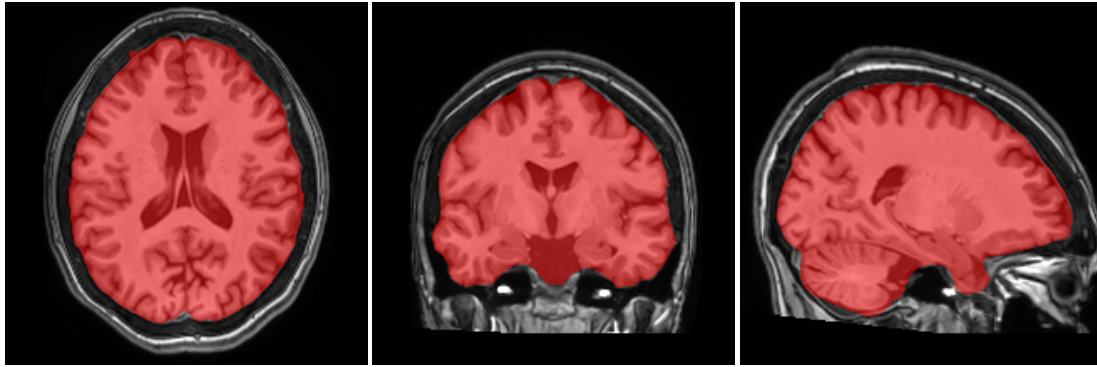
\*The Asymmetry Index is calculated as the difference between right and left volumes divided by their mean (in percent).

\*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).

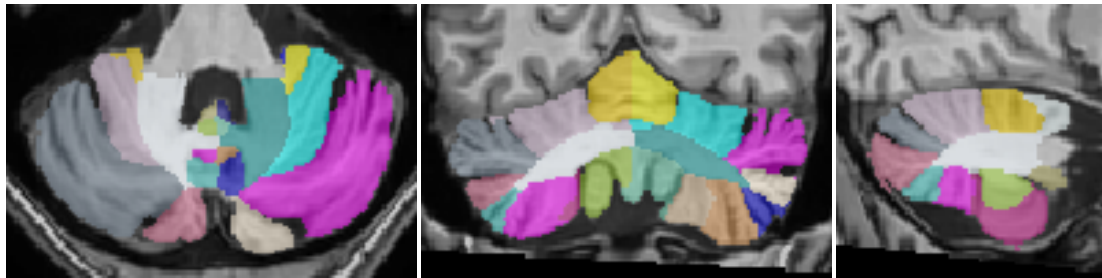
## Intracranial cavity extraction

---



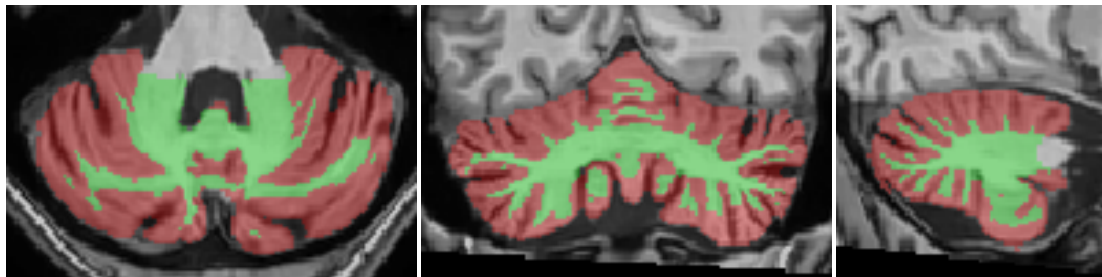
## Lobules segmentation

---



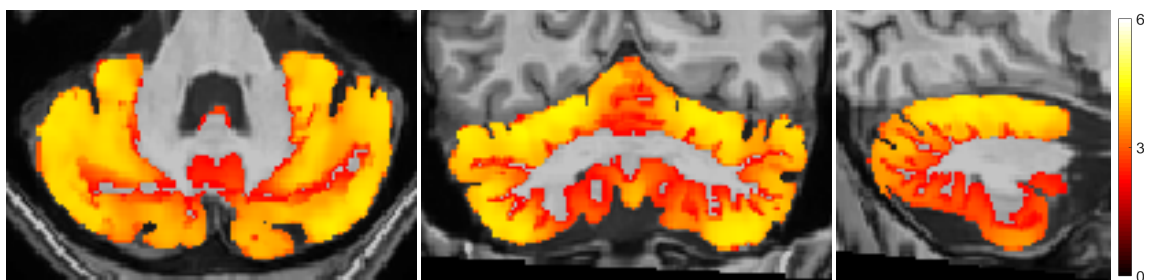
## Tissue classification

---



## Cortical thickness

---



---

*\*All the volumes are presented in absolute value (measured in  $\text{cm}^3$ ) 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).*

# CERES Volumetry Report. version 1.0 release 20-06-2016

Patient ID	Sex	Age	Report Date
job12866	Male	33	02-Aug-2016

## Image Information

Orientation	radiological
Scale factor	0.75
SNR	16.02
Total intracranial volume (cm <sup>3</sup> )	1392.56

Volumes	Total (cm <sup>3</sup> /%)	Right (cm <sup>3</sup> /%)	Left (cm <sup>3</sup> /%)	Asym.(%)
Cerebellum	116.74 (8.3831) [8.1415, 10.7994]	58.49 (4.2005) [4.0542, 5.3889]	58.24 (4.1825) [4.0778, 5.4200]	0.4291 [-4.0619, 2.8931]
Lobule I-II	0.15 (0.0111) [0.0047, 0.0137]	0.06 (0.0041) [0.0020, 0.0068]	0.10 (0.0070) [0.0024, 0.0073]	-51.7073 [-48.6847, 30.8704]
Lobule III	1.15 (0.0828) [0.0667, 0.1466]	0.55 (0.0392) [0.0317, 0.0741]	0.61 (0.0436) [0.0328, 0.0748]	-10.8284 [-27.3823, 23.7387]
Lobule IV	4.15 (0.2980) [0.2504, 0.4312]	2.10 (0.1511) [0.1214, 0.2200]	2.05 (0.1469) [0.1196, 0.2206]	2.7914 [-24.7459, 25.7716]
Lobule V	7.37 (0.5292) [0.2504, 0.4312]	3.72 (0.2670) [0.1214, 0.2200]	3.65 (0.2621) [0.1196, 0.2206]	1.8577 [-24.7459, 25.7716]
Lobule VI	15.56 (1.1174) [1.0273, 1.6106]	7.67 (0.5507) [0.5139, 0.8090]	7.89 (0.5667) [0.4987, 0.8163]	-2.8616 [-14.5981, 15.7244]
Lobule Crus I	27.86 (2.0004) [1.4807, 2.4106]	13.81 (0.9915) [0.7148, 1.2031]	14.05 (1.0090) [0.7442, 1.2293]	-1.7496 [-18.1962, 12.2985]
Lobule Crus II	16.51 (1.1856) [0.8563, 1.5452]	8.29 (0.5953) [0.4105, 0.7695]	8.22 (0.5904) [0.4275, 0.7939]	0.8291 [-22.7229, 15.5906]
Lobule VIIIB	8.67 (0.6226) [0.5000, 0.8755]	4.62 (0.3320) [0.2397, 0.4411]	4.05 (0.2906) [0.2410, 0.4538]	13.2732 [-28.3211, 24.2592]
Lobule VIIIA	10.42 (0.7486) [0.7178, 1.1020]	5.25 (0.3768) [0.3548, 0.5633]	5.18 (0.3718) [0.3396, 0.5620]	1.3421 [-20.3202, 24.3252]
Lobule VIIIB	6.79 (0.4876) [0.4660, 0.8047]	3.21 (0.2306) [0.2281, 0.4228]	3.58 (0.2569) [0.2156, 0.4041]	-10.7899 [-22.1766, 31.9959]
Lobule IX	6.71 (0.4815) [0.3787, 0.7091]	3.28 (0.2354) [0.1803, 0.3477]	3.43 (0.2461) [0.1956, 0.3642]	-4.4644 [-17.9976, 6.1490]
Lobule X	1.26 (0.0905) [0.3787, 0.7091]	0.66 (0.0472) [0.1803, 0.3477]	0.60 (0.0433) [0.1956, 0.3642]	8.5919 [-17.9976, 6.1490]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).

<b>Grey matter vol.</b>	<b>Total (cm<sup>3</sup>/%)</b>	<b>Right (cm<sup>3</sup>/%)</b>	<b>Left (cm<sup>3</sup>/%)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	91.78 (6.5908) [6.0365, 8.2077]	45.21 (3.2466) [3.0164, 4.0851]	46.57 (3.3442) [3.0086, 4.1342]	-2.9618 [-5.2696, 4.1493]
<i>Lobule I-II</i>	0.08 (0.0059) [0.0026, 0.0081]	0.03 (0.0020) [0.0009, 0.0040]	0.05 (0.0039) [0.0014, 0.0044]	-87.0208 [-87.6489, 42.4365]
<i>Lobule III</i>	0.95 (0.0681) [0.0486, 0.1094]	0.46 (0.0330) [0.0231, 0.0562]	0.49 (0.0351) [0.0235, 0.0551]	-8.2236 [-34.8909, 35.9881]
<i>Lobule IV</i>	3.71 (0.2662) [0.2152, 0.3788]	1.86 (0.1335) [0.1037, 0.1950]	1.85 (0.1327) [0.1028, 0.1925]	0.8633 [-30.9754, 34.0441]
<i>Lobule V</i>	6.60 (0.4740) [0.2152, 0.3788]	3.32 (0.2385) [0.1037, 0.1950]	3.28 (0.2356) [0.1028, 0.1925]	1.6361 [-30.9754, 34.0441]
<i>Lobule VI</i>	13.96 (1.0025) [0.9141, 1.4520]	6.91 (0.4964) [0.4617, 0.7323]	7.05 (0.5061) [0.4386, 0.7335]	-2.5501 [-17.3564, 21.9794]
<i>Lobule Crus I</i>	23.67 (1.6999) [1.1657, 1.9686]	11.61 (0.8336) [0.5645, 0.9838]	12.06 (0.8663) [0.5806, 1.0055]	-5.1116 [-24.2676, 18.2302]
<i>Lobule Crus II</i>	14.00 (1.0057) [0.7064, 1.2958]	6.95 (0.4990) [0.3363, 0.6463]	7.06 (0.5067) [0.3529, 0.6667]	-2.0422 [-29.8902, 20.6224]
<i>Lobule VIIB</i>	7.67 (0.5506) [0.4218, 0.7593]	4.00 (0.2870) [0.1982, 0.3774]	3.67 (0.2636) [0.2077, 0.3978]	11.2953 [-39.0303, 26.3537]
<i>Lobule VIIIA</i>	8.75 (0.6286) [0.6121, 0.9650]	4.41 (0.3164) [0.3035, 0.4925]	4.35 (0.3122) [0.2890, 0.4920]	1.7594 [-25.4342, 30.7184]
<i>Lobule VIIIB</i>	5.28 (0.3789) [0.3964, 0.6998]	2.39 (0.1715) [0.1935, 0.3668]	2.89 (0.2074) [0.1841, 0.3518]	-25.2062 [-28.5522, 39.3252]
<i>Lobule IX</i>	5.70 (0.4091) [0.3014, 0.5687]	2.56 (0.1839) [0.1430, 0.2765]	3.14 (0.2252) [0.1554, 0.2952]	-26.8916 [-25.8560, 8.4061]
<i>Lobule X</i>	1.20 (0.0858) [0.3014, 0.5687]	0.63 (0.0453) [0.1430, 0.2765]	0.56 (0.0405) [0.1554, 0.2952]	14.8929 [-25.8560, 8.4061]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).

<b>Cortical thickness</b>	<b>Mean (mm/norm.)</b>	<b>Right (mm/norm.)</b>	<b>Left (mm/norm.)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	4.51 (4.042) [3.822, 4.355]	4.39 (3.935) [3.826, 4.352]	4.63 (4.146) [3.799, 4.378]	5.2425 [-3.6573, 3.6289]
<i>Lobule I-II</i>	2.01 (1.798) [0.942, 2.550]	2.01 (1.802) [0.940, 2.642]	2.00 (1.795) [0.926, 2.489]	-0.3731 [-22.2601, 12.8429]
<i>Lobule III</i>	3.90 (3.489) [2.602, 3.648]	4.00 (3.577) [2.609, 3.706]	3.81 (3.409) [2.526, 3.643]	-4.8399 [-14.0331, 9.3278]
<i>Lobule IV</i>	5.11 (4.576) [4.058, 4.625]	5.17 (4.629) [4.078, 4.665]	5.04 (4.517) [3.995, 4.622]	-2.4537 [-6.3927, 3.4496]
<i>Lobule V</i>	5.14 (4.600) [4.058, 4.625]	5.11 (4.580) [4.078, 4.665]	5.16 (4.620) [3.995, 4.622]	0.8748 [-6.3927, 3.4496]
<i>Lobule VI</i>	4.87 (4.357) [4.072, 4.668]	4.82 (4.315) [4.080, 4.701]	4.91 (4.399) [4.027, 4.670]	1.9153 [-5.8647, 3.9539]
<i>Lobule Crus I</i>	4.48 (4.009) [3.542, 4.465]	4.45 (3.986) [3.512, 4.466]	4.50 (4.031) [3.504, 4.524]	1.1302 [-8.3064, 9.4997]
<i>Lobule Crus II</i>	4.24 (3.798) [3.361, 4.292]	3.95 (3.535) [3.203, 4.272]	4.53 (4.056) [3.404, 4.410]	13.7419 [-7.7502, 16.7041]
<i>Lobule VIIB</i>	4.72 (4.231) [3.768, 4.541]	4.66 (4.171) [3.645, 4.550]	4.80 (4.295) [3.818, 4.594]	2.9321 [-5.5861, 10.9036]
<i>Lobule VIIIA</i>	4.62 (4.138) [3.917, 4.519]	4.60 (4.123) [3.930, 4.573]	4.64 (4.152) [3.844, 4.517]	0.6969 [-8.0331, 4.6718]
<i>Lobule VIIIB</i>	4.08 (3.654) [3.970, 4.608]	3.80 (3.406) [3.992, 4.680]	4.31 (3.859) [3.841, 4.635]	12.4040 [-11.1172, 6.4737]
<i>Lobule IX</i>	3.88 (3.477) [2.962, 4.248]	3.00 (2.687) [2.888, 4.262]	4.60 (4.117) [2.975, 4.285]	41.1065 [-9.3050, 12.4941]
<i>Lobule X</i>	2.48 (2.217) [2.962, 4.248]	2.57 (2.298) [2.888, 4.262]	2.37 (2.122) [2.975, 4.285]	-7.9169 [-9.3050, 12.4941]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) and in relative value (measured in relation to the ICV).

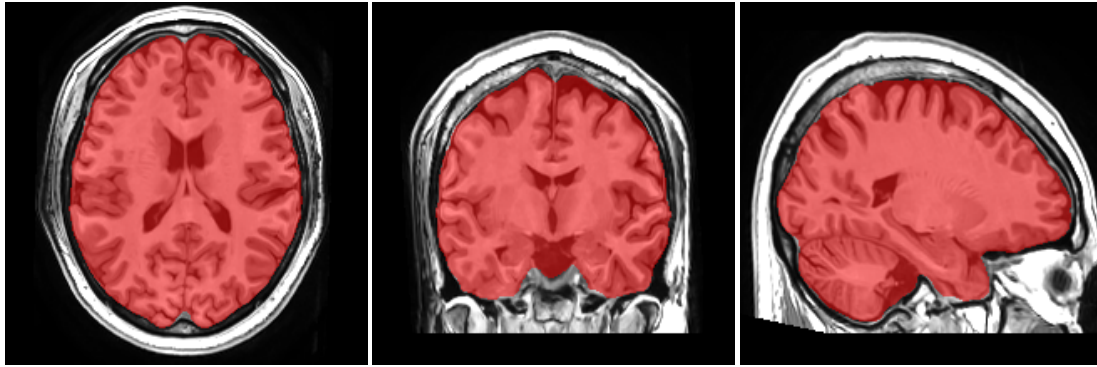
\*The Asymmetry Index is calculated as the difference between right and left volumes divided by their mean (in percent).

\*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).

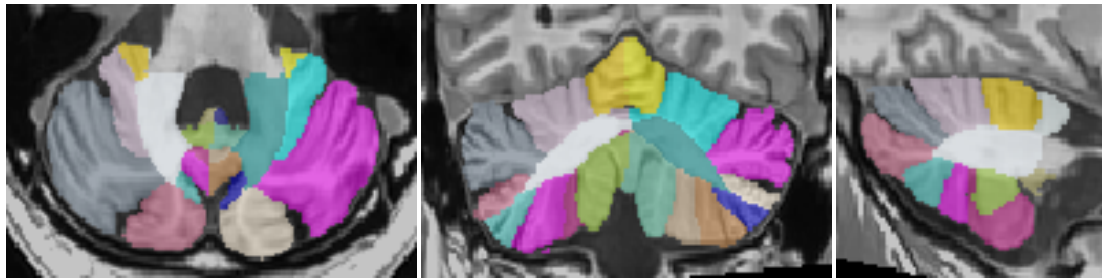
## Intracranial cavity extraction

---



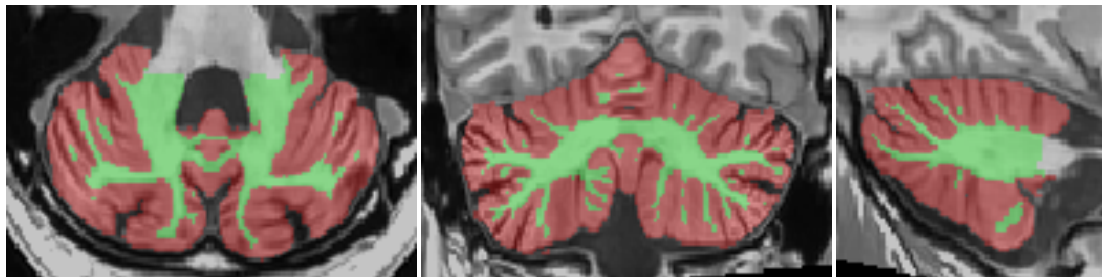
## Lobules segmentation

---



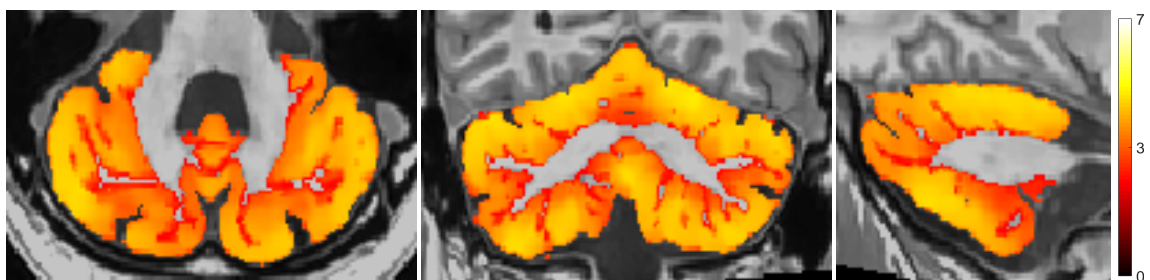
## Tissue classification

---



## Cortical thickness

---



\*All the volumes are presented in absolute value (measured in  $\text{cm}^3$ ) 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).

# CERES Volumetry Report. version 1.0 release 20-06-2016

Patient ID	Sex	Age	Report Date
job12457	Male	32	26-Jul-2016

## Image Information

Orientation	radiological
Scale factor	0.77
SNR	23.27
Total intracranial volume (cm <sup>3</sup> )	1378.84

Volumes	Total (cm <sup>3</sup> /%)	Right (cm <sup>3</sup> /%)	Left (cm <sup>3</sup> /%)	Asym.(%)
Cerebellum	100.03 (7.2547) [8.1540, 10.8124]	49.99 (3.6258) [4.0605, 5.3954]	50.04 (3.6289) [4.0840, 5.4265]	-0.0873 [-4.0638, 2.8926]
Lobule I-II	0.09 (0.0062) [0.0048, 0.0137]	0.04 (0.0030) [0.0020, 0.0068]	0.04 (0.0032) [0.0024, 0.0073]	-7.1429 [-49.0151, 30.5570]
Lobule III	1.21 (0.0874) [0.0668, 0.1467]	0.57 (0.0413) [0.0318, 0.0741]	0.64 (0.0461) [0.0328, 0.0748]	-11.0617 [-27.4238, 23.7080]
Lobule IV	3.86 (0.2800) [0.2516, 0.4324]	1.71 (0.1241) [0.1218, 0.2205]	2.15 (0.1559) [0.1203, 0.2213]	-22.6722 [-24.8748, 25.6535]
Lobule V	6.50 (0.4717) [0.2516, 0.4324]	3.17 (0.2298) [0.1218, 0.2205]	3.34 (0.2419) [0.1203, 0.2213]	-5.1608 [-24.8748, 25.6535]
Lobule VI	14.04 (1.0180) [1.0306, 1.6141]	7.20 (0.5221) [0.5161, 0.8113]	6.84 (0.4958) [0.4998, 0.8175]	5.1652 [-14.4363, 15.8926]
Lobule Crus I	19.70 (1.4287) [1.4834, 2.4136]	9.92 (0.7194) [0.7160, 1.2044]	9.78 (0.7093) [0.7457, 1.2309]	1.4161 [-18.2258, 12.2754]
Lobule Crus II	13.07 (0.9478) [0.8583, 1.5473]	6.58 (0.4771) [0.4115, 0.7705]	6.49 (0.4707) [0.4286, 0.7951]	1.3487 [-22.7630, 15.5587]
Lobule VII B	7.42 (0.5383) [0.5012, 0.8768]	3.87 (0.2805) [0.2400, 0.4415]	3.56 (0.2578) [0.2418, 0.4547]	8.4047 [-28.5077, 24.0838]
Lobule VII A	11.17 (0.8099) [0.7204, 1.1046]	5.33 (0.3864) [0.3563, 0.5648]	5.84 (0.4235) [0.3408, 0.5632]	-9.1552 [-20.2570, 24.3979]
Lobule VII B	7.09 (0.5139) [0.4665, 0.8053]	3.22 (0.2334) [0.2286, 0.4233]	3.87 (0.2805) [0.2157, 0.4042]	-18.3431 [-22.0840, 32.1001]
Lobule IX	4.90 (0.3557) [0.3790, 0.7095]	2.48 (0.1799) [0.1804, 0.3479]	2.42 (0.1759) [0.1958, 0.3644]	2.2500 [-18.0068, 6.1450]
Lobule X	1.09 (0.0793) [0.3790, 0.7095]	0.55 (0.0400) [0.1804, 0.3479]	0.54 (0.0393) [0.1958, 0.3644]	1.8220 [-18.0068, 6.1450]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).



<b>Grey matter vol.</b>	<b>Total (cm<sup>3</sup>/%)</b>	<b>Right (cm<sup>3</sup>/%)</b>	<b>Left (cm<sup>3</sup>/%)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	77.33 (5.6080) [6.0513, 8.2230]	38.09 (2.7627) [3.0237, 4.0926]	39.23 (2.8453) [3.0160, 4.1419]	-2.9436 [-5.2767, 4.1442]
<i>Lobule I-II</i>	0.06 (0.0043) [0.0026, 0.0081]	0.03 (0.0019) [0.0009, 0.0040]	0.03 (0.0024) [0.0014, 0.0045]	-26.7658 [-88.3554, 41.7578]
<i>Lobule III</i>	0.93 (0.0676) [0.0487, 0.1095]	0.39 (0.0282) [0.0231, 0.0562]	0.54 (0.0394) [0.0236, 0.0552]	-42.9222 [-34.9036, 35.9906]
<i>Lobule IV</i>	3.51 (0.2546) [0.2163, 0.3799]	1.48 (0.1076) [0.1041, 0.1955]	2.03 (0.1471) [0.1034, 0.1932]	-40.5037 [-31.1717, 33.8617]
<i>Lobule V</i>	5.75 (0.4171) [0.2163, 0.3799]	2.75 (0.1996) [0.1041, 0.1955]	3.00 (0.2175) [0.1034, 0.1932]	-11.1619 [-31.1717, 33.8617]
<i>Lobule VI</i>	12.57 (0.9114) [0.9174, 1.4554]	6.44 (0.4667) [0.4638, 0.7345]	6.13 (0.4447) [0.4397, 0.7348]	6.3185 [-17.1626, 22.1816]
<i>Lobule Crus I</i>	16.64 (1.2070) [1.1692, 1.9723]	8.44 (0.6123) [0.5659, 0.9853]	8.20 (0.5946) [0.5826, 1.0076]	3.8337 [-24.3845, 18.1223]
<i>Lobule Crus II</i>	11.19 (0.8113) [0.7081, 1.2977]	5.60 (0.4064) [0.3371, 0.6471]	5.58 (0.4049) [0.3539, 0.6677]	0.4649 [-29.9611, 20.5623]
<i>Lobule VIIB</i>	6.46 (0.4684) [0.4227, 0.7603]	3.31 (0.2403) [0.1984, 0.3777]	3.14 (0.2281) [0.2083, 0.3985]	6.8439 [-39.2236, 26.1744]
<i>Lobule VIIIA</i>	9.39 (0.6810) [0.6145, 0.9675]	4.52 (0.3275) [0.3049, 0.4940]	4.87 (0.3535) [0.2901, 0.4931]	-9.9684 [-25.3149, 30.8497]
<i>Lobule VIIIB</i>	5.52 (0.4001) [0.3968, 0.7003]	2.61 (0.1895) [0.1940, 0.3673]	2.90 (0.2106) [0.1841, 0.3518]	-13.7771 [-28.3446, 39.5473]
<i>Lobule IX</i>	4.07 (0.2955) [0.3023, 0.5697]	1.91 (0.1386) [0.1435, 0.2770]	2.16 (0.1570) [0.1558, 0.2957]	-16.2460 [-25.8092, 8.4602]
<i>Lobule X</i>	1.03 (0.0747) [0.3023, 0.5697]	0.53 (0.0382) [0.1435, 0.2770]	0.50 (0.0365) [0.1558, 0.2957]	6.2135 [-25.8092, 8.4602]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).



<b>Cortical thickness</b>	<b>Mean (mm/norm.)</b>	<b>Right (mm/norm.)</b>	<b>Left (mm/norm.)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	4.62 (4.155) [3.824, 4.357]	4.52 (4.061) [3.827, 4.353]	4.73 (4.247) [3.801, 4.379]	4.4704 [-3.6408, 3.6469]
<i>Lobule I-II</i>	1.74 (1.566) [0.946, 2.555]	1.47 (1.324) [0.944, 2.646]	1.95 (1.753) [0.931, 2.494]	27.3818 [-22.2686, 12.8419]
<i>Lobule III</i>	3.65 (3.278) [2.605, 3.652]	3.31 (2.971) [2.612, 3.709]	3.89 (3.499) [2.530, 3.647]	16.1056 [-14.0079, 9.3580]
<i>Lobule IV</i>	4.92 (4.417) [4.058, 4.626]	4.75 (4.272) [4.078, 4.666]	5.05 (4.541) [3.996, 4.624]	6.0843 [-6.3635, 3.4808]
<i>Lobule V</i>	4.68 (4.206) [4.058, 4.626]	4.58 (4.117) [4.078, 4.666]	4.77 (4.287) [3.996, 4.624]	4.0286 [-6.3635, 3.4808]
<i>Lobule VI</i>	4.92 (4.421) [4.075, 4.670]	4.92 (4.416) [4.082, 4.703]	4.93 (4.426) [4.030, 4.673]	0.2099 [-5.8488, 3.9719]
<i>Lobule Crus I</i>	4.56 (4.097) [3.544, 4.468]	4.41 (3.958) [3.514, 4.468]	4.71 (4.236) [3.507, 4.527]	6.7754 [-8.2693, 9.5406]
<i>Lobule Crus II</i>	4.46 (4.007) [3.358, 4.289]	4.35 (3.911) [3.198, 4.267]	4.57 (4.104) [3.403, 4.409]	4.8250 [-7.6256, 16.8339]
<i>Lobule VIIB</i>	4.87 (4.379) [3.767, 4.540]	4.75 (4.266) [3.644, 4.549]	5.01 (4.499) [3.818, 4.594]	5.3175 [-5.5710, 10.9223]
<i>Lobule VIIIA</i>	4.86 (4.365) [3.918, 4.519]	4.83 (4.337) [3.931, 4.574]	4.89 (4.390) [3.844, 4.517]	1.2141 [-8.0645, 4.6430]
<i>Lobule VIIIB</i>	4.60 (4.135) [3.971, 4.609]	4.70 (4.219) [3.994, 4.682]	4.52 (4.059) [3.841, 4.635]	-3.8807 [-11.1656, 6.4290]
<i>Lobule IX</i>	3.96 (3.560) [2.972, 4.258]	3.33 (2.994) [2.901, 4.275]	4.53 (4.070) [2.983, 4.293]	30.2288 [-9.4443, 12.3595]
<i>Lobule X</i>	2.52 (2.265) [2.972, 4.258]	2.66 (2.388) [2.901, 4.275]	2.37 (2.126) [2.983, 4.293]	-11.5880 [-9.4443, 12.3595]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) and in relative value (measured in relation to the ICV).

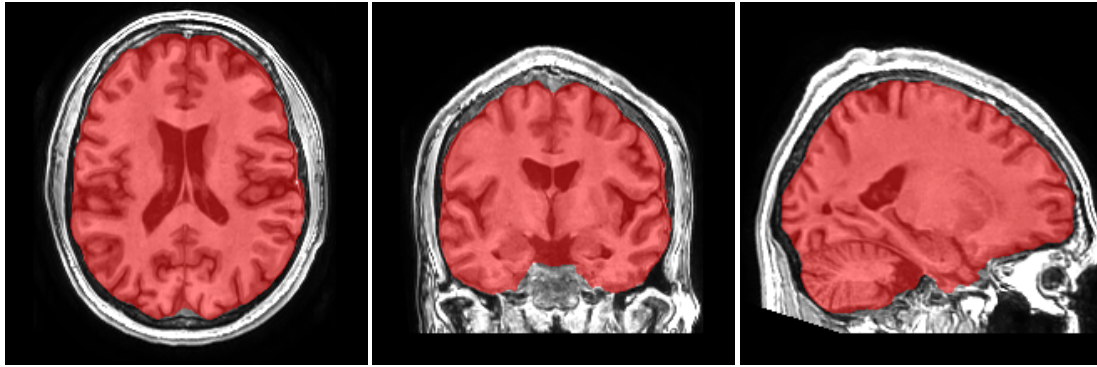
\*The Asymmetry Index is calculated as the difference between right and left volumes divided by their mean (in percent).

\*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).

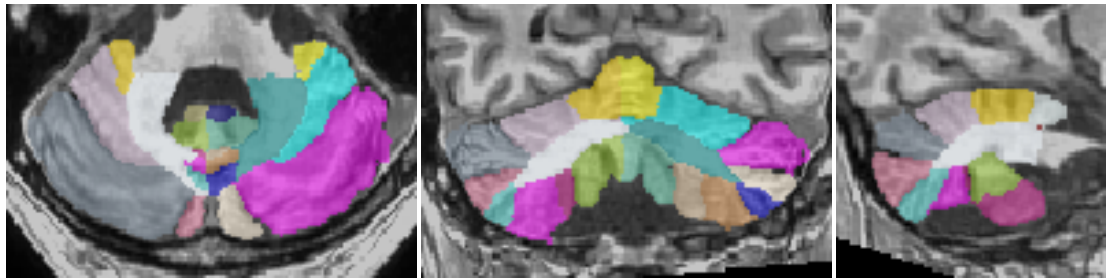
## Intracranial cavity extraction

---



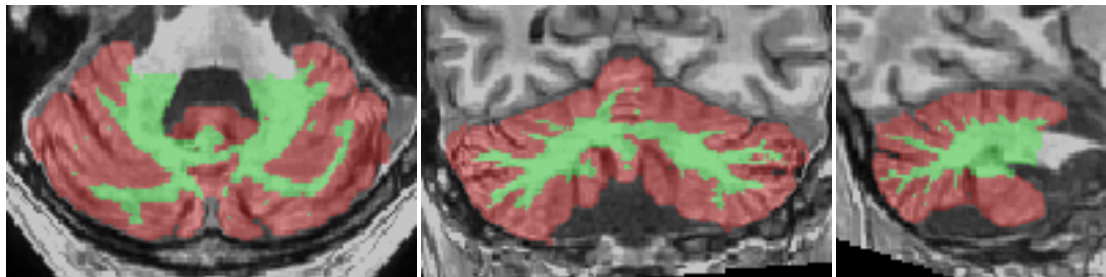
## Lobules segmentation

---



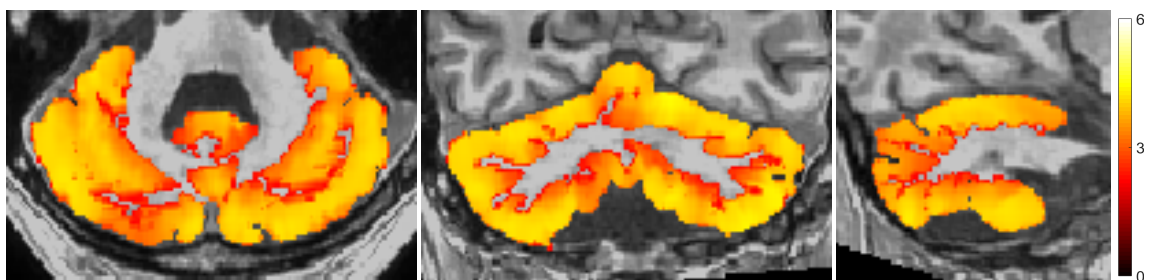
## Tissue classification

---



## Cortical thickness

---



*\*All the volumes are presented in absolute value (measured in  $\text{cm}^3$ ) 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).*

# CERES Volumetry Report. version 1.0 release 20-06-2016

Patient ID	Sex	Age	Report Date
job12462	Female	25	26-Jul-2016

## Image Information

Orientation	radiological
Scale factor	0.75
SNR	55.02
Total intracranial volume (cm <sup>3</sup> )	1373.04

Volumes	Total (cm <sup>3</sup> /%)	Right (cm <sup>3</sup> /%)	Left (cm <sup>3</sup> /%)	Asym.(%)
<i>Cerebellum</i>	109.21 (7.9539) [8.2569, 11.0574]	53.26 (3.8792) [4.1089, 5.5346]	55.95 (4.0747) [4.1389, 5.5318]	-4.9147 [-3.7643, 3.1845]
<i>Lobule I-II</i>	0.13 (0.0098) [0.0042, 0.0152]	0.06 (0.0043) [0.0018, 0.0072]	0.08 (0.0055) [0.0021, 0.0083]	-24.4444 [-51.2475, 24.2152]
<i>Lobule III</i>	1.52 (0.1107) [0.0715, 0.1547]	0.65 (0.0477) [0.0337, 0.0774]	0.87 (0.0630) [0.0359, 0.0791]	-27.7286 [-27.7848, 20.9126]
<i>Lobule IV</i>	3.97 (0.2890) [0.2511, 0.4370]	1.97 (0.1432) [0.1229, 0.2244]	2.00 (0.1458) [0.1188, 0.2221]	-1.8079 [-23.7523, 27.8092]
<i>Lobule V</i>	8.15 (0.5932) [0.2511, 0.4370]	4.06 (0.2958) [0.1229, 0.2244]	4.08 (0.2974) [0.1188, 0.2221]	-0.5322 [-23.7523, 27.8092]
<i>Lobule VI</i>	16.05 (1.1689) [1.0519, 1.6891]	7.68 (0.5593) [0.5127, 0.8433]	8.37 (0.6096) [0.5221, 0.8628]	-8.6050 [-18.2297, 14.2133]
<i>Lobule Crus I</i>	20.61 (1.5007) [1.5299, 2.5054]	10.14 (0.7387) [0.7598, 1.2600]	10.46 (0.7621) [0.7556, 1.2599]	-3.1191 [-11.9983, 12.9208]
<i>Lobule Crus II</i>	14.78 (1.0762) [0.9195, 1.5794]	7.64 (0.5565) [0.4461, 0.7869]	7.13 (0.5196) [0.4558, 0.8102]	6.8582 [-20.7926, 16.1682]
<i>Lobule VII B</i>	8.18 (0.5955) [0.5280, 0.8875]	4.33 (0.3154) [0.2567, 0.4477]	3.85 (0.2800) [0.2575, 0.4536]	11.8830 [-21.9721, 19.9746]
<i>Lobule VII A</i>	10.04 (0.7313) [0.6772, 1.0997]	4.48 (0.3260) [0.3260, 0.5656]	5.56 (0.4053) [0.3310, 0.5542]	-21.6731 [-20.9314, 22.5394]
<i>Lobule VII B</i>	7.88 (0.5736) [0.4495, 0.7453]	3.62 (0.2636) [0.2180, 0.3807]	4.26 (0.3100) [0.2160, 0.3801]	-16.1875 [-23.0035, 24.6373]
<i>Lobule IX</i>	7.16 (0.5216) [0.3801, 0.7446]	3.43 (0.2500) [0.1823, 0.3692]	3.73 (0.2716) [0.1955, 0.3778]	-8.2638 [-15.7559, 7.7813]
<i>Lobule X</i>	1.11 (0.0812) [0.3801, 0.7446]	0.54 (0.0391) [0.1823, 0.3692]	0.58 (0.0420) [0.1955, 0.3778]	-7.1093 [-15.7559, 7.7813]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).

<b>Grey matter vol.</b>	<b>Total (cm<sup>3</sup>/%)</b>	<b>Right (cm<sup>3</sup>/%)</b>	<b>Left (cm<sup>3</sup>/%)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	83.74 (6.0986) [6.0165, 8.3225]	40.99 (2.9853) [2.9945, 4.1542]	42.75 (3.1133) [3.0116, 4.1786]	-4.1965 [-5.0356, 3.9382]
<i>Lobule I-II</i>	0.08 (0.0060) [0.0026, 0.0094]	0.04 (0.0029) [0.0010, 0.0044]	0.04 (0.0032) [0.0012, 0.0053]	-12.0549 [-97.5287, 41.4965]
<i>Lobule III</i>	1.29 (0.0943) [0.0514, 0.1148]	0.60 (0.0435) [0.0245, 0.0582]	0.70 (0.0508) [0.0253, 0.0583]	-20.7049 [-39.5229, 35.8703]
<i>Lobule IV</i>	3.60 (0.2624) [0.2162, 0.3813]	1.86 (0.1353) [0.1061, 0.1977]	1.75 (0.1271) [0.1015, 0.1923]	8.3822 [-33.4620, 42.8954]
<i>Lobule V</i>	7.28 (0.5302) [0.2162, 0.3813]	3.80 (0.2769) [0.1061, 0.1977]	3.48 (0.2533) [0.1015, 0.1923]	11.8960 [-33.4620, 42.8954]
<i>Lobule VI</i>	14.30 (1.0413) [0.9276, 1.5084]	7.00 (0.5100) [0.4556, 0.7581]	7.29 (0.5313) [0.4563, 0.7660]	-5.4696 [-24.2139, 22.8203]
<i>Lobule Crus I</i>	16.78 (1.2224) [1.1692, 2.0165]	8.05 (0.5864) [0.5809, 1.0131]	8.73 (0.6361) [0.5728, 1.0189]	-10.8792 [-20.7579, 22.1653]
<i>Lobule Crus II</i>	11.81 (0.8599) [0.7394, 1.3082]	5.86 (0.4267) [0.3599, 0.6501]	5.95 (0.4331) [0.3643, 0.6733]	-1.9989 [-30.8775, 24.3703]
<i>Lobule VIIB</i>	6.62 (0.4820) [0.4385, 0.7574]	3.45 (0.2510) [0.2089, 0.3761]	3.17 (0.2310) [0.2180, 0.3930]	11.0916 [-36.4103, 24.4148]
<i>Lobule VIIIA</i>	8.47 (0.6165) [0.5715, 0.9470]	3.70 (0.2696) [0.2760, 0.4847]	4.76 (0.3469) [0.2795, 0.4783]	-33.5262 [-29.4459, 30.7567]
<i>Lobule VIIIB</i>	6.33 (0.4611) [0.3728, 0.6426]	2.90 (0.2112) [0.1795, 0.3278]	3.43 (0.2499) [0.1795, 0.3287]	-22.4911 [-35.5353, 35.3903]
<i>Lobule IX</i>	5.92 (0.4312) [0.3013, 0.5911]	3.12 (0.2272) [0.1427, 0.2889]	2.80 (0.2040) [0.1559, 0.3050]	14.3910 [-28.9687, 10.2903]
<i>Lobule X</i>	1.05 (0.0768) [0.3013, 0.5911]	0.51 (0.0369) [0.1427, 0.2889]	0.55 (0.0399) [0.1559, 0.3050]	-10.4316 [-28.9687, 10.2903]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).

<b>Cortical thickness</b>	<b>Mean (mm/norm.)</b>	<b>Right (mm/norm.)</b>	<b>Left (mm/norm.)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	4.45 (4.003) [3.880, 4.404]	4.45 (4.004) [3.871, 4.411]	4.45 (4.002) [3.860, 4.426]	-0.0425 [-4.2574, 4.3474]
<i>Lobule I-II</i>	2.60 (2.338) [1.026, 2.927]	2.64 (2.377) [1.017, 3.050]	2.55 (2.294) [0.991, 2.847]	-3.5496 [-26.1215, 14.2619]
<i>Lobule III</i>	4.17 (3.752) [2.692, 3.909]	4.31 (3.877) [2.700, 3.989]	4.05 (3.643) [2.612, 3.882]	-6.2463 [-15.4946, 9.6007]
<i>Lobule IV</i>	5.13 (4.618) [4.103, 4.752]	5.13 (4.620) [4.137, 4.820]	5.13 (4.617) [4.020, 4.727]	-0.0739 [-7.9367, 3.1809]
<i>Lobule V</i>	5.09 (4.579) [4.103, 4.752]	5.23 (4.702) [4.137, 4.820]	4.95 (4.452) [4.020, 4.727]	-5.4579 [-7.9367, 3.1809]
<i>Lobule VI</i>	4.96 (4.465) [4.141, 4.759]	5.06 (4.553) [4.123, 4.804]	4.87 (4.383) [4.114, 4.755]	-3.8220 [-5.8885, 4.5792]
<i>Lobule Crus I</i>	4.12 (3.711) [3.604, 4.499]	4.11 (3.695) [3.555, 4.519]	4.14 (3.725) [3.558, 4.564]	0.8239 [-9.7333, 10.9217]
<i>Lobule Crus II</i>	3.96 (3.561) [3.348, 4.316]	3.59 (3.228) [3.163, 4.328]	4.32 (3.891) [3.393, 4.431]	18.6259 [-9.7809, 18.5777]
<i>Lobule VIIB</i>	4.38 (3.939) [3.762, 4.663]	4.20 (3.780) [3.610, 4.698]	4.57 (4.115) [3.830, 4.698]	8.5217 [-6.9956, 12.4910]
<i>Lobule VIIIA</i>	4.63 (4.163) [3.937, 4.685]	4.56 (4.101) [3.956, 4.721]	4.68 (4.212) [3.867, 4.695]	2.6642 [-7.6806, 5.0055]
<i>Lobule VIIIB</i>	4.28 (3.855) [3.938, 4.765]	4.54 (4.085) [3.965, 4.832]	4.07 (3.660) [3.775, 4.824]	-11.0273 [-13.4586, 8.8077]
<i>Lobule IX</i>	4.38 (3.941) [2.933, 4.334]	4.82 (4.337) [2.875, 4.280]	3.91 (3.518) [2.921, 4.442]	-20.7742 [-9.4506, 15.1972]
<i>Lobule X</i>	3.17 (2.856) [2.933, 4.334]	3.18 (2.859) [2.875, 4.280]	3.17 (2.854) [2.921, 4.442]	-0.1699 [-9.4506, 15.1972]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) and in relative value (measured in relation to the ICV).

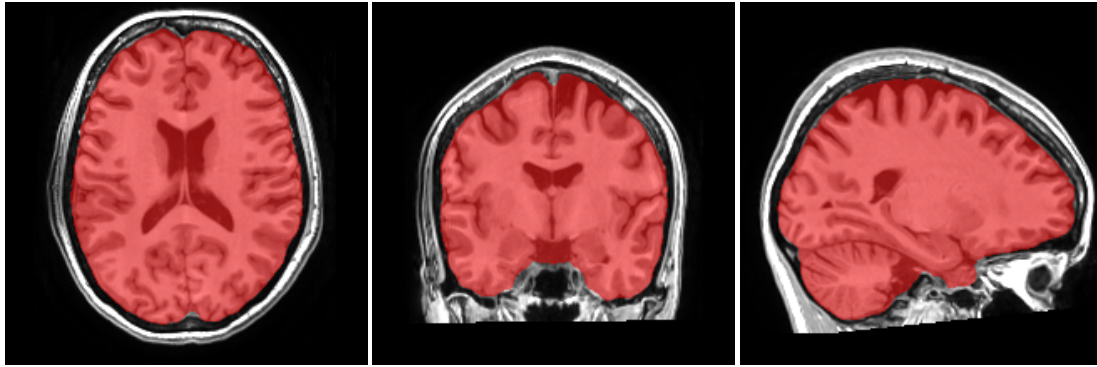
\*The Asymmetry Index is calculated as the difference between right and left volumes divided by their mean (in percent).

\*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).

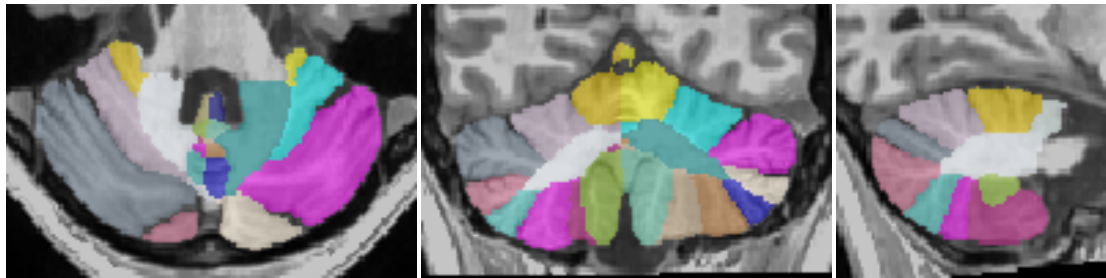
## Intracranial cavity extraction

---



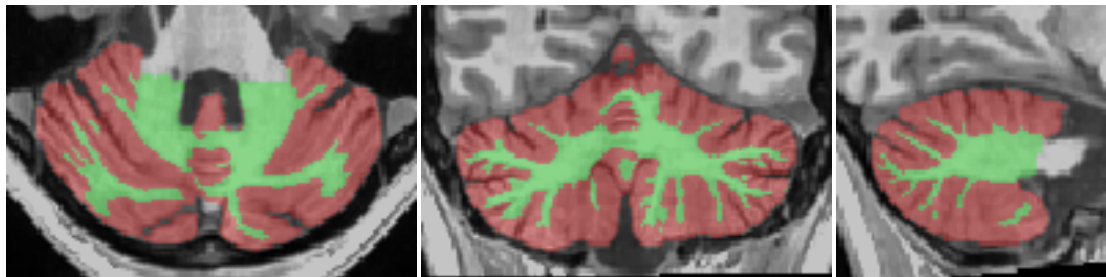
## Lobules segmentation

---



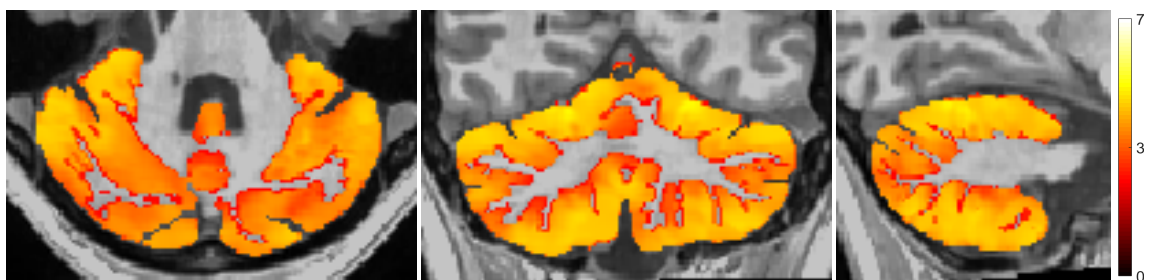
## Tissue classification

---



## Cortical thickness

---



*\*All the volumes are presented in absolute value (measured in  $\text{cm}^3$ ) 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).*

# CERES Volumetry Report. version 1.0 release 20-06-2016

Patient ID	Sex	Age	Report Date
job12467	Male	63	26-Jul-2016

## Image Information

Orientation	radiological
Scale factor	0.80
SNR	14.94
Total intracranial volume (cm <sup>3</sup> )	1421.76

Volumes	Total (cm <sup>3</sup> /%)	Right (cm <sup>3</sup> /%)	Left (cm <sup>3</sup> /%)	Asym.(%)
<i>Cerebellum</i>	102.09 (7.1802) [7.5411, 10.2009]	49.80 (3.5027) [3.7513, 5.0870]	52.29 (3.6776) [3.7802, 5.1234]	-4.8724 [-4.2046, 2.7555]
<i>Lobule I-II</i>	0.08 (0.0054) [0.0038, 0.0127]	0.03 (0.0020) [0.0016, 0.0064]	0.05 (0.0035) [0.0018, 0.0067]	-55.6701 [-46.3496, 33.2643]
<i>Lobule III</i>	1.18 (0.0829) [0.0584, 0.1383]	0.54 (0.0380) [0.0276, 0.0701]	0.64 (0.0448) [0.0285, 0.0705]	-16.4068 [-26.9660, 24.1928]
<i>Lobule IV</i>	3.27 (0.2297) [0.2196, 0.4006]	1.55 (0.1089) [0.1084, 0.2071]	1.72 (0.1208) [0.1018, 0.2029]	-10.3204 [-21.8238, 28.7310]
<i>Lobule V</i>	6.40 (0.4502) [0.2196, 0.4006]	3.09 (0.2176) [0.1084, 0.2071]	3.31 (0.2326) [0.1018, 0.2029]	-6.6883 [-21.8238, 28.7310]
<i>Lobule VI</i>	12.95 (0.9105) [0.9285, 1.5122]	6.99 (0.4913) [0.4573, 0.7526]	5.96 (0.4192) [0.4565, 0.7743]	15.8307 [-16.6046, 13.7403]
<i>Lobule Crus I</i>	19.31 (1.3582) [1.3488, 2.2795]	9.34 (0.6566) [0.6509, 1.1396]	9.98 (0.7016) [0.6762, 1.1616]	-6.6256 [-17.8798, 12.6375]
<i>Lobule Crus II</i>	13.27 (0.9334) [0.7719, 1.4613]	6.48 (0.4561) [0.3713, 0.7305]	6.79 (0.4774) [0.3823, 0.7490]	-4.5616 [-21.6930, 16.6488]
<i>Lobule VIIB</i>	8.32 (0.5850) [0.4541, 0.8299]	3.75 (0.2637) [0.2165, 0.4180]	4.57 (0.3213) [0.2182, 0.4312]	-19.6658 [-28.3702, 24.2490]
<i>Lobule VIIIA</i>	11.86 (0.8342) [0.6426, 1.0270]	5.78 (0.4065) [0.3140, 0.5226]	6.08 (0.4277) [0.3052, 0.5278]	-5.0909 [-21.8665, 22.8119]
<i>Lobule VIIIB</i>	7.87 (0.5533) [0.4300, 0.7690]	3.73 (0.2624) [0.2075, 0.4023]	4.14 (0.2909) [0.2003, 0.3889]	-10.2955 [-23.6979, 30.5147]
<i>Lobule IX</i>	6.85 (0.4821) [0.3377, 0.6683]	3.29 (0.2314) [0.1621, 0.3297]	3.56 (0.2507) [0.1728, 0.3414]	-7.9925 [-16.6991, 7.4654]
<i>Lobule X</i>	1.01 (0.0712) [0.3377, 0.6683]	0.47 (0.0334) [0.1621, 0.3297]	0.54 (0.0379) [0.1728, 0.3414]	-12.6183 [-16.6991, 7.4654]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).



<b>Grey matter vol.</b>	<b>Total (cm<sup>3</sup>/%)</b>	<b>Right (cm<sup>3</sup>/%)</b>	<b>Left (cm<sup>3</sup>/%)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	<b>73.79 (5.1898)</b> [5.5265, 7.6993]	<b>36.29 (2.5522)</b> [2.7600, 3.8294]	<b>37.50 (2.6376)</b> [2.7550, 3.8814]	-3.2905 [-5.3785, 4.0474]
<i>Lobule I-II</i>	0.05 (0.0037) [0.0023, 0.0078]	0.02 (0.0014) [0.0008, 0.0039]	0.03 (0.0023) [0.0012, 0.0042]	-60.7081 [-83.9163, 46.2654]
<i>Lobule III</i>	0.84 (0.0592) [0.0433, 0.1041]	0.39 (0.0274) [0.0206, 0.0537]	0.45 (0.0318) [0.0207, 0.0524]	-18.5321 [-33.6026, 37.3289]
<i>Lobule IV</i>	2.82 (0.1985) [0.1904, 0.3541]	1.36 (0.0959) [0.0936, 0.1851]	1.46 (0.1025) [0.0880, 0.1778]	-8.2930 [-26.6989, 38.3687]
<i>Lobule V</i>	<b>5.31 (0.3737)</b> [0.1904, 0.3541]	<b>2.65 (0.1867)</b> [0.0936, 0.1851]	<b>2.66 (0.1870)</b> [0.0880, 0.1778]	-0.1882 [-26.6989, 38.3687]
<i>Lobule VI</i>	<b>11.15 (0.7841)</b> [0.8225, 1.3607]	6.15 (0.4327) [0.4097, 0.6804]	<b>5.00 (0.3514)</b> [0.3990, 0.6942]	<b>25.9588</b> [-19.6665, 19.6984]
<i>Lobule Crus I</i>	15.95 (1.1217) [1.0548, 1.8583]	8.01 (0.5633) [0.5124, 0.9320]	7.94 (0.5584) [0.5217, 0.9470]	1.0785 [-23.3092, 19.2200]
<i>Lobule Crus II</i>	10.51 (0.7389) [0.6242, 1.2140]	5.11 (0.3596) [0.2971, 0.6073]	5.39 (0.3793) [0.3099, 0.6239]	-6.6632 [-29.1868, 21.3631]
<i>Lobule VIIB</i>	6.68 (0.4699) [0.3758, 0.7136]	3.01 (0.2120) [0.1751, 0.3545]	3.67 (0.2579) [0.1847, 0.3750]	-24.4583 [-39.4799, 25.9525]
<i>Lobule VIIIA</i>	9.67 (0.6803) [0.5397, 0.8929]	4.72 (0.3319) [0.2639, 0.4530]	4.95 (0.3483) [0.2563, 0.4595]	-6.0382 [-27.7364, 28.4577]
<i>Lobule VIIIB</i>	5.63 (0.3958) [0.3653, 0.6690]	<b>2.44 (0.1717)</b> [0.1754, 0.3488]	3.19 (0.2241) [0.1711, 0.3389]	<b>-33.1241</b> [-30.7246, 37.2029]
<i>Lobule IX</i>	4.25 (0.2989) [0.2674, 0.5349]	1.94 (0.1367) [0.1280, 0.2616]	2.31 (0.1622) [0.1363, 0.2763]	-21.4136 [-24.4571, 9.8304]
<i>Lobule X</i>	<b>0.80 (0.0563)</b> [0.2674, 0.5349]	<b>0.41 (0.0290)</b> [0.1280, 0.2616]	<b>0.39 (0.0273)</b> [0.1363, 0.2763]	7.7398 [-24.4571, 9.8304]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).



<b>Cortical thickness</b>	<b>Mean (mm/norm.)</b>	<b>Right (mm/norm.)</b>	<b>Left (mm/norm.)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	4.04 (3.591) [3.783, 4.316]	4.08 (3.631) [3.792, 4.318]	4.00 (3.553) [3.755, 4.334]	-2.1697 [-3.9184, 3.3731]
<i>Lobule I-II</i>	1.87 (1.663) [0.936, 2.545]	1.94 (1.727) [0.928, 2.631]	1.83 (1.624) [0.920, 2.484]	-6.2236 [-21.7058, 13.4231]
<i>Lobule III</i>	3.11 (2.768) [2.605, 3.652]	3.11 (2.769) [2.634, 3.732]	3.11 (2.768) [2.506, 3.623]	-0.0646 [-15.5339, 7.8442]
<i>Lobule IV</i>	4.57 (4.063) [4.086, 4.654]	4.66 (4.146) [4.119, 4.707]	4.48 (3.985) [4.009, 4.637]	-3.9510 [-6.9825, 2.8671]
<i>Lobule V</i>	4.36 (3.874) [4.086, 4.654]	4.64 (4.128) [4.119, 4.707]	4.07 (3.622) [4.009, 4.637]	-13.0611 [-6.9825, 2.8671]
<i>Lobule VI</i>	4.51 (4.007) [4.054, 4.650]	4.77 (4.243) [4.066, 4.687]	4.18 (3.715) [4.005, 4.649]	-13.1748 [-6.0684, 3.7575]
<i>Lobule Crus I</i>	3.96 (3.521) [3.476, 4.400]	4.08 (3.630) [3.460, 4.414]	3.84 (3.412) [3.424, 4.445]	-6.1922 [-9.0064, 8.8128]
<i>Lobule Crus II</i>	3.80 (3.379) [3.305, 4.237]	3.75 (3.338) [3.167, 4.236]	3.84 (3.418) [3.330, 4.336]	2.3712 [-8.7118, 15.7606]
<i>Lobule VIIB</i>	4.19 (3.726) [3.692, 4.465]	4.03 (3.583) [3.563, 4.468]	4.32 (3.842) [3.747, 4.524]	6.9618 [-5.2661, 11.2358]
<i>Lobule VIIIA</i>	4.44 (3.947) [3.879, 4.480]	4.32 (3.846) [3.881, 4.525]	4.55 (4.042) [3.817, 4.490]	4.9770 [-7.5543, 5.1600]
<i>Lobule VIIIB</i>	4.03 (3.586) [3.966, 4.605]	3.72 (3.307) [3.984, 4.672]	4.27 (3.800) [3.842, 4.636]	13.7636 [-10.8925, 6.7114]
<i>Lobule IX</i>	2.54 (2.263) [2.827, 4.114]	2.32 (2.066) [2.734, 4.109]	2.73 (2.431) [2.858, 4.169]	16.1259 [-8.2074, 13.6079]
<i>Lobule X</i>	1.21 (1.076) [2.827, 4.114]	1.46 (1.295) [2.734, 4.109]	0.96 (0.856) [2.858, 4.169]	-40.8143 [-8.2074, 13.6079]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) and in relative value (measured in relation to the ICV).

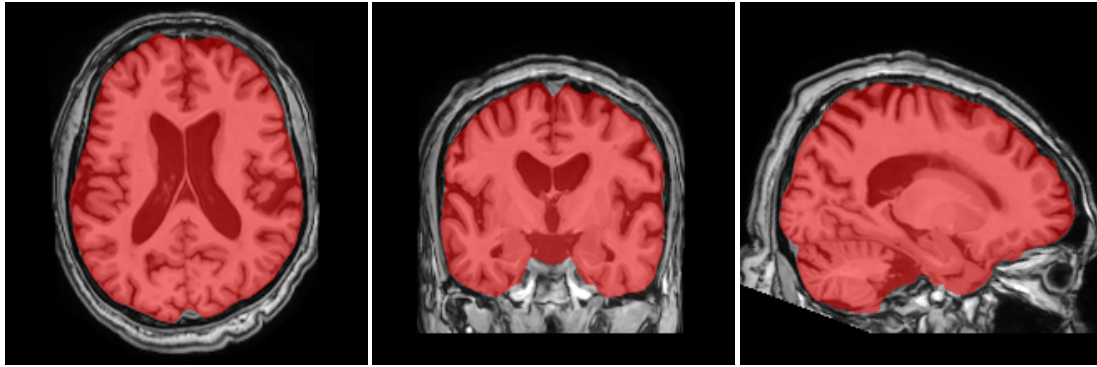
\*The Asymmetry Index is calculated as the difference between right and left volumes divided by their mean (in percent).

\*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).

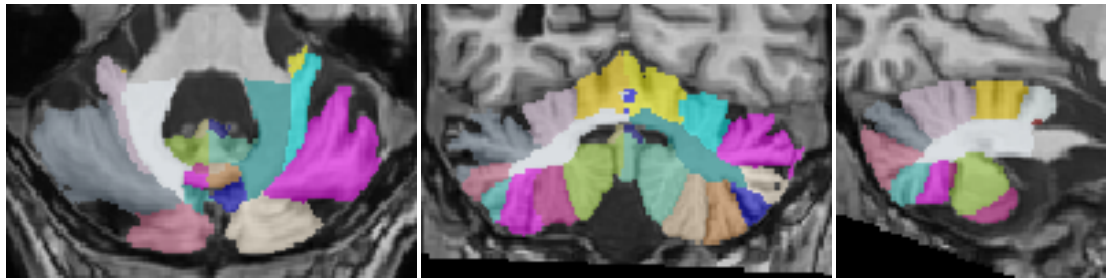
## Intracranial cavity extraction

---



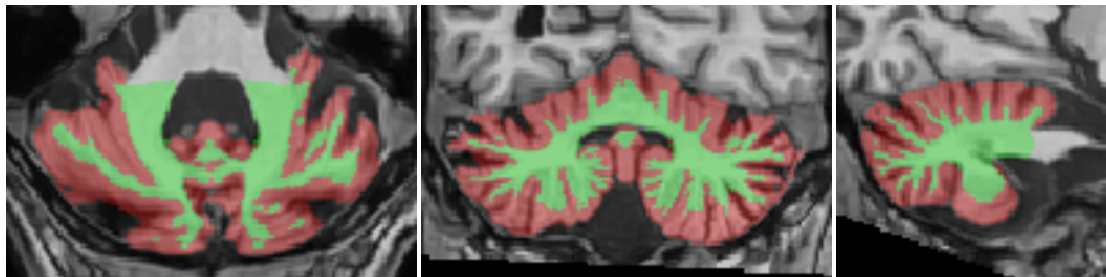
## Lobules segmentation

---



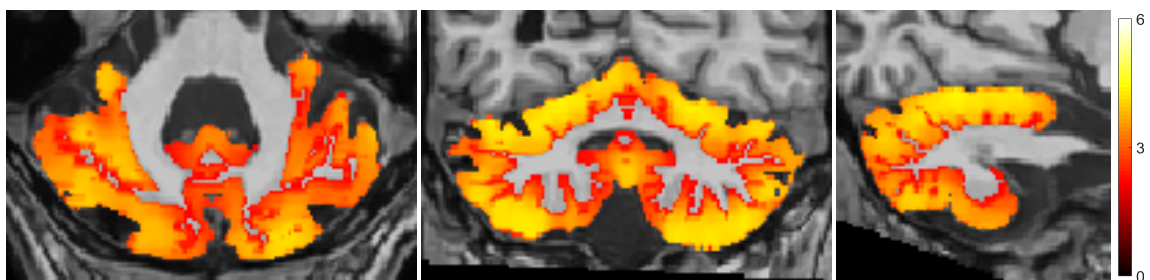
## Tissue classification

---



## Cortical thickness

---



\*All the volumes are presented in absolute value (measured in  $\text{cm}^3$ ) 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).

# CERES Volumetry Report. version 1.0 release 20-06-2016

Patient ID	Sex	Age	Report Date
job12867	Female	24	02-Aug-2016

## Image Information

Orientation	radiological
Scale factor	0.74
SNR	41.92
Total intracranial volume (cm <sup>3</sup> )	1374.30

Volumes	Total (cm <sup>3</sup> /%)	Right (cm <sup>3</sup> /%)	Left (cm <sup>3</sup> /%)	Asym.(%)
<i>Cerebellum</i>	112.41 (8.1792) [8.2521, 11.0558]	56.35 (4.1005) [4.1072, 5.5345]	56.05 (4.0787) [4.1358, 5.5303]	0.5343 [-3.7375, 3.2192]
<i>Lobule I-II</i>	0.09 (0.0068) [0.0042, 0.0152]	0.04 (0.0032) [0.0018, 0.0072]	0.05 (0.0036) [0.0021, 0.0083]	-11.2000 [-51.4399, 24.1082]
<i>Lobule III</i>	0.87 (0.0631) [0.0720, 0.1553]	0.40 (0.0293) [0.0339, 0.0777]	0.46 (0.0338) [0.0363, 0.0795]	-14.2245 [-27.9373, 20.8151]
<i>Lobule IV</i>	3.69 (0.2686) [0.2513, 0.4374]	1.90 (0.1385) [0.1230, 0.2246]	1.79 (0.1301) [0.1188, 0.2222]	6.2827 [-23.7592, 27.8606]
<i>Lobule V</i>	6.46 (0.4697) [0.2513, 0.4374]	3.20 (0.2332) [0.1230, 0.2246]	3.25 (0.2366) [0.1188, 0.2222]	-1.4508 [-23.7592, 27.8606]
<i>Lobule VI</i>	17.39 (1.2657) [1.0524, 1.6904]	9.09 (0.6612) [0.5130, 0.8440]	8.31 (0.6045) [0.5223, 0.8635]	8.9647 [-18.2419, 14.2378]
<i>Lobule Crus I</i>	23.10 (1.6808) [1.5321, 2.5087]	11.10 (0.8076) [0.7615, 1.2623]	12.00 (0.8732) [0.7561, 1.2609]	-7.7997 [-11.8582, 13.0891]
<i>Lobule Crus II</i>	17.05 (1.2410) [0.9175, 1.5782]	8.04 (0.5853) [0.4451, 0.7863]	9.01 (0.6557) [0.4548, 0.8096]	-11.3310 [-20.7996, 16.2031]
<i>Lobule VIIB</i>	8.61 (0.6264) [0.5273, 0.8872]	4.52 (0.3286) [0.2566, 0.4479]	4.09 (0.2978) [0.2569, 0.4532]	9.8247 [-21.8360, 20.1582]
<i>Lobule VIIIA</i>	10.13 (0.7373) [0.6784, 1.1014]	5.22 (0.3800) [0.3264, 0.5663]	4.91 (0.3572) [0.3318, 0.5554]	6.1913 [-21.0512, 22.4688]
<i>Lobule VIIIB</i>	6.99 (0.5087) [0.4487, 0.7449]	3.64 (0.2651) [0.2175, 0.3804]	3.35 (0.2436) [0.2157, 0.3799]	8.4202 [-23.0601, 24.6345]
<i>Lobule IX</i>	6.74 (0.4904) [0.3792, 0.7442]	3.33 (0.2423) [0.1819, 0.3690]	3.41 (0.2480) [0.1950, 0.3775]	-2.3161 [-15.7150, 7.8488]
<i>Lobule X</i>	1.03 (0.0750) [0.3792, 0.7442]	0.51 (0.0370) [0.1819, 0.3690]	0.52 (0.0380) [0.1950, 0.3775]	-2.5974 [-15.7150, 7.8488]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).

<b>Grey matter vol.</b>	<b>Total (cm<sup>3</sup>/%)</b>	<b>Right (cm<sup>3</sup>/%)</b>	<b>Left (cm<sup>3</sup>/%)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	86.44 (6.2897) [6.0187, 8.3273]	42.24 (3.0734) [2.9951, 4.1561]	44.20 (3.2162) [3.0133, 4.1816]	-4.5401 [-5.0718, 3.9121]
<i>Lobule I-II</i>	0.07 (0.0048) [0.0026, 0.0095]	0.03 (0.0018) [0.0010, 0.0044]	0.04 (0.0029) [0.0013, 0.0054]	-61.1554 [-97.6375, 41.5450]
<i>Lobule III</i>	0.68 (0.0495) [0.0519, 0.1153]	0.29 (0.0213) [0.0247, 0.0584]	0.39 (0.0282) [0.0255, 0.0586]	-37.6012 [-39.6843, 35.7942]
<i>Lobule IV</i>	3.38 (0.2458) [0.2166, 0.3819]	1.70 (0.1234) [0.1063, 0.1981]	1.68 (0.1224) [0.1016, 0.1926]	1.0659 [-33.4979, 42.9459]
<i>Lobule V</i>	5.70 (0.4145) [0.2166, 0.3819]	2.77 (0.2017) [0.1063, 0.1981]	2.93 (0.2129) [0.1016, 0.1926]	-7.2668 [-33.4979, 42.9459]
<i>Lobule VI</i>	15.77 (1.1477) [0.9284, 1.5098]	8.14 (0.5925) [0.4559, 0.7588]	7.63 (0.5552) [0.4567, 0.7668]	8.7619 [-24.2468, 22.8406]
<i>Lobule Crus I</i>	19.05 (1.3858) [1.1702, 2.0185]	9.04 (0.6577) [0.5818, 1.0144]	10.01 (0.7282) [0.5729, 1.0196]	-13.6936 [-20.6278, 22.3439]
<i>Lobule Crus II</i>	13.80 (1.0043) [0.7375, 1.3070]	6.31 (0.4591) [0.3588, 0.6493]	7.49 (0.5452) [0.3635, 0.6729]	-23.0684 [-30.9515, 24.3589]
<i>Lobule VIIB</i>	7.29 (0.5308) [0.4379, 0.7572]	3.75 (0.2730) [0.2086, 0.3761]	3.54 (0.2578) [0.2176, 0.3928]	7.7320 [-36.3678, 24.5261]
<i>Lobule VIIIA</i>	8.78 (0.6390) [0.5729, 0.9488]	4.55 (0.3311) [0.2763, 0.4852]	4.23 (0.3079) [0.2806, 0.4796]	9.7704 [-29.7571, 30.5138]
<i>Lobule VIIIB</i>	5.31 (0.3862) [0.3726, 0.6427]	2.68 (0.1947) [0.1793, 0.3277]	2.63 (0.1915) [0.1795, 0.3288]	2.2612 [-35.7277, 35.2782]
<i>Lobule IX</i>	5.24 (0.3810) [0.3017, 0.5918]	2.39 (0.1738) [0.1427, 0.2891]	2.85 (0.2072) [0.1563, 0.3055]	-23.6078 [-29.1476, 10.1559]
<i>Lobule X</i>	1.00 (0.0726) [0.3017, 0.5918]	0.50 (0.0360) [0.1427, 0.2891]	0.50 (0.0366) [0.1563, 0.3055]	-2.0051 [-29.1476, 10.1559]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).

<b>Cortical thickness</b>	<b>Mean (mm/norm.)</b>	<b>Right (mm/norm.)</b>	<b>Left (mm/norm.)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	4.59 (4.128) [3.879, 4.404]	4.48 (4.027) [3.869, 4.409]	4.70 (4.226) [3.860, 4.427]	4.8280 [-4.2115, 4.4030]
<i>Lobule I-II</i>	2.80 (2.515) [1.044, 2.947]	2.44 (2.193) [1.036, 3.071]	3.05 (2.744) [1.008, 2.866]	21.9147 [-26.2452, 14.1839]
<i>Lobule III</i>	3.67 (3.301) [2.701, 3.919]	3.11 (2.800) [2.710, 4.000]	4.11 (3.694) [2.620, 3.892]	27.0822 [-15.5614, 9.5623]
<i>Lobule IV</i>	5.14 (4.622) [4.099, 4.749]	5.12 (4.608) [4.134, 4.818]	5.16 (4.637) [4.016, 4.724]	0.6239 [-7.9710, 3.1593]
<i>Lobule V</i>	5.02 (4.518) [4.099, 4.749]	4.94 (4.442) [4.134, 4.818]	5.10 (4.591) [4.016, 4.724]	3.2858 [-7.9710, 3.1593]
<i>Lobule VI</i>	5.08 (4.568) [4.139, 4.758]	5.04 (4.530) [4.121, 4.802]	5.13 (4.610) [4.113, 4.754]	1.7437 [-5.8693, 4.6103]
<i>Lobule Crus I</i>	4.54 (4.087) [3.604, 4.500]	4.48 (4.031) [3.555, 4.520]	4.60 (4.138) [3.559, 4.566]	2.6306 [-9.7384, 10.9399]
<i>Lobule Crus II</i>	4.25 (3.821) [3.342, 4.312]	3.97 (3.566) [3.155, 4.321]	4.49 (4.037) [3.389, 4.429]	12.3029 [-9.6847, 18.7059]
<i>Lobule VIIB</i>	4.56 (4.101) [3.759, 4.661]	4.47 (4.023) [3.605, 4.694]	4.65 (4.184) [3.829, 4.698]	3.9378 [-6.9013, 12.6073]
<i>Lobule VIIIA</i>	4.67 (4.199) [3.936, 4.685]	4.66 (4.187) [3.952, 4.718]	4.68 (4.213) [3.870, 4.698]	0.6116 [-7.5471, 5.1533]
<i>Lobule VIIIB</i>	4.49 (4.038) [3.939, 4.767]	4.31 (3.876) [3.964, 4.831]	4.67 (4.200) [3.778, 4.828]	8.0131 [-13.3731, 8.9184]
<i>Lobule IX</i>	3.87 (3.481) [2.941, 4.343]	3.27 (2.942) [2.881, 4.288]	4.37 (3.928) [2.930, 4.453]	28.3457 [-9.3635, 15.3122]
<i>Lobule X</i>	3.52 (3.163) [2.941, 4.343]	3.73 (3.358) [2.881, 4.288]	3.33 (2.994) [2.930, 4.453]	-11.5069 [-9.3635, 15.3122]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) and in relative value (measured in relation to the ICV).

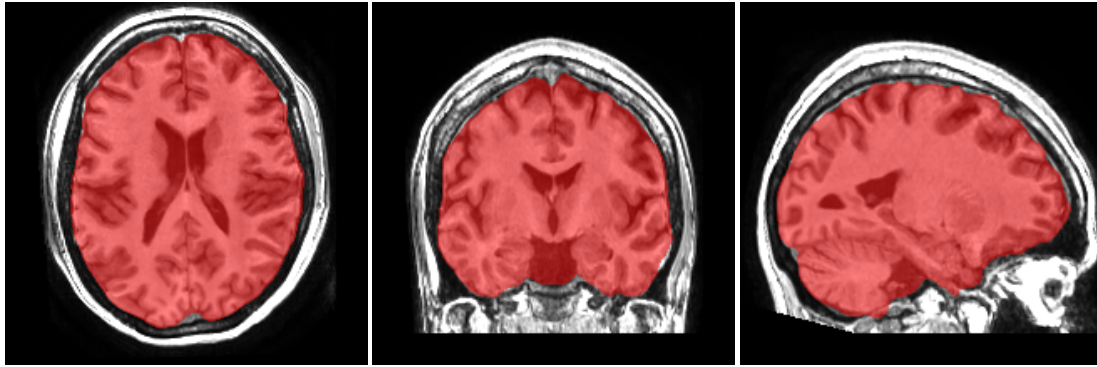
\*The Asymmetry Index is calculated as the difference between right and left volumes divided by their mean (in percent).

\*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).

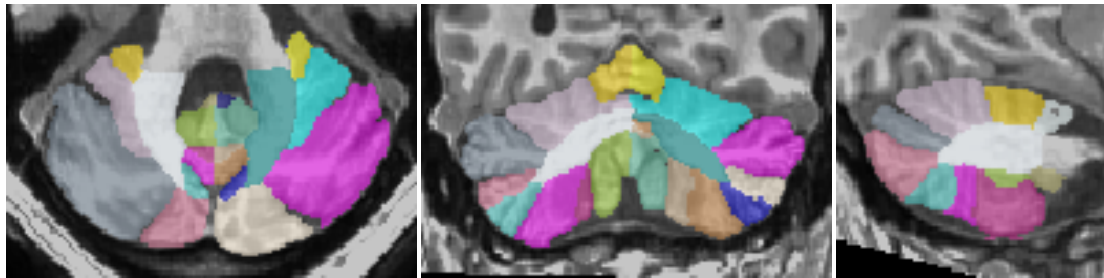
## Intracranial cavity extraction

---



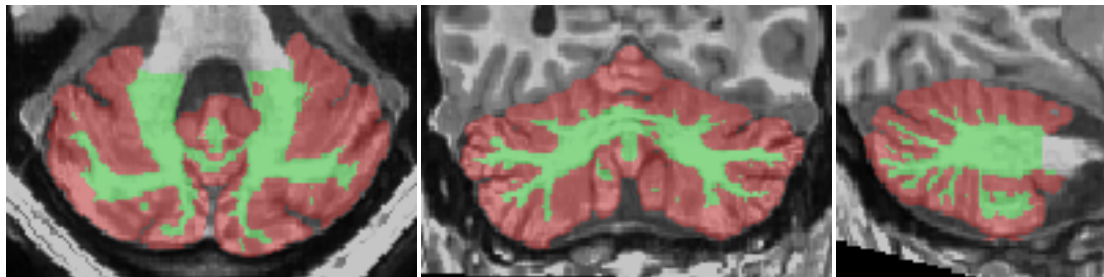
## Lobules segmentation

---



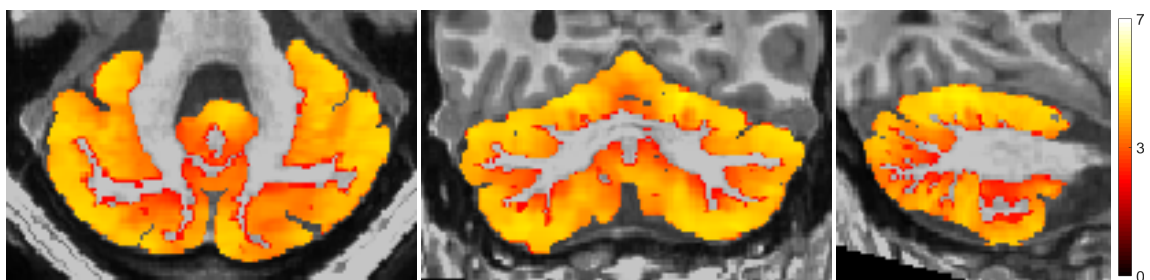
## Tissue classification

---



## Cortical thickness

---



*\*All the volumes are presented in absolute value (measured in  $\text{cm}^3$ ) 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).*

# CERES Volumetry Report. version 1.0 release 20-06-2016

Patient ID	Sex	Age	Report Date
job12469	Female	36	26-Jul-2016

## Image Information

Orientation	radiological
Scale factor	0.70
SNR	37.49
Total intracranial volume (cm <sup>3</sup> )	1260.04

Volumes	Total (cm <sup>3</sup> /%)	Right (cm <sup>3</sup> /%)	Left (cm <sup>3</sup> /%)	Asym.(%)
Cerebellum	93.08 (7.3870) [8.2498, 11.0375]	46.68 (3.7050) [4.0988, 5.5180]	46.40 (3.6821) [4.1420, 5.5286]	0.6203 [-4.0300, 2.8870]
Lobule I-II	0.05 (0.0040) [0.0040, 0.0150]	0.02 (0.0012) [0.0018, 0.0071]	0.03 (0.0027) [0.0019, 0.0082]	-76.0563 [-49.7663, 25.3506]
Lobule III	1.16 (0.0917) [0.0662, 0.1490]	0.53 (0.0420) [0.0314, 0.0750]	0.63 (0.0497) [0.0329, 0.0759]	-16.8997 [-26.6454, 21.8288]
Lobule IV	3.59 (0.2848) [0.2475, 0.4325]	1.76 (0.1399) [0.1210, 0.2220]	1.83 (0.1450) [0.1171, 0.2199]	-3.6008 [-23.7221, 27.6030]
Lobule V	6.66 (0.5288) [0.2475, 0.4325]	3.21 (0.2548) [0.1210, 0.2220]	3.45 (0.2739) [0.1171, 0.2199]	-7.2106 [-23.7221, 27.6030]
Lobule VI	12.15 (0.9644) [1.0391, 1.6734]	6.27 (0.4974) [0.5063, 0.8354]	5.88 (0.4670) [0.5158, 0.8550]	6.3114 [-18.2535, 14.0408]
Lobule Crus I	19.33 (1.5338) [1.5004, 2.4714]	9.70 (0.7699) [0.7394, 1.2373]	9.63 (0.7639) [0.7466, 1.2485]	0.7922 [-13.3213, 11.4835]
Lobule Crus II	11.02 (0.8749) [0.9261, 1.5830]	5.59 (0.4440) [0.4498, 0.7891]	5.43 (0.4309) [0.4588, 0.8115]	3.0071 [-20.8613, 15.9301]
Lobule VII B	7.42 (0.5892) [0.5300, 0.8878]	3.82 (0.3032) [0.2552, 0.4453]	3.60 (0.2860) [0.2611, 0.4563]	5.8278 [-23.2263, 18.5282]
Lobule VII A	10.89 (0.8646) [0.6621, 1.0827]	5.02 (0.3985) [0.3206, 0.5590]	5.87 (0.4661) [0.3215, 0.5437]	-15.6405 [-20.0023, 23.2694]
Lobule VII B	6.32 (0.5019) [0.4533, 0.7478]	3.41 (0.2708) [0.2208, 0.3827]	2.91 (0.2312) [0.2172, 0.3805]	15.7912 [-22.5117, 24.9108]
Lobule IX	4.42 (0.3509) [0.3832, 0.7461]	2.18 (0.1730) [0.1834, 0.3694]	2.24 (0.1780) [0.1975, 0.3789]	-2.8590 [-16.1533, 7.2760]
Lobule X	0.77 (0.0609) [0.3832, 0.7461]	0.44 (0.0349) [0.1834, 0.3694]	0.33 (0.0260) [0.1975, 0.3789]	29.3040 [-16.1533, 7.2760]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).



<b>Grey matter vol.</b>	<b>Total (cm<sup>3</sup>/%)</b>	<b>Right (cm<sup>3</sup>/%)</b>	<b>Left (cm<sup>3</sup>/%)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	<b>70.88 (5.6251)</b> [5.9607, 8.2561]	<b>34.45 (2.7341)</b> [2.9715, 4.1259]	<b>36.43 (2.8910)</b> [2.9788, 4.1405]	<b>-5.5790</b> [-4.7549, 4.1777]
<i>Lobule I-II</i>	<b>0.05 (0.0040)</b> [0.0023, 0.0091]	<b>0.02 (0.0012)</b> [0.0009, 0.0042]	<b>0.03 (0.0027)</b> [0.0011, 0.0052]	<b>-108.2870</b> [-97.1115, 41.2766]
<i>Lobule III</i>	<b>0.98 (0.0774)</b> [0.0469, 0.1100]	<b>0.46 (0.0364)</b> [0.0224, 0.0559]	<b>0.52 (0.0410)</b> [0.0229, 0.0557]	<b>-17.0156</b> [-38.2918, 36.7559]
<i>Lobule IV</i>	<b>3.17 (0.2518)</b> [0.2114, 0.3758]	<b>1.57 (0.1245)</b> [0.1035, 0.1948]	<b>1.60 (0.1274)</b> [0.0992, 0.1896]	<b>-3.2774</b> [-33.2799, 42.7276]
<i>Lobule V</i>	<b>5.89 (0.4678)</b> [0.2114, 0.3758]	<b>2.85 (0.2265)</b> [0.1035, 0.1948]	<b>3.04 (0.2413)</b> [0.0992, 0.1896]	<b>-9.0258</b> [-33.2799, 42.7276]
<i>Lobule VI</i>	<b>10.78 (0.8556)</b> [0.9133, 1.4914]	<b>5.53 (0.4386)</b> [0.4486, 0.7497]	<b>5.26 (0.4171)</b> [0.4490, 0.7573]	<b>7.1606</b> [-24.1595, 22.6591]
<i>Lobule Crus I</i>	<b>16.08 (1.2761)</b> [1.1510, 1.9944]	<b>7.94 (0.6301)</b> [0.5690, 0.9992]	<b>8.14 (0.6459)</b> [0.5666, 1.0107]	<b>-3.5201</b> [-22.0246, 20.7018]
<i>Lobule Crus II</i>	<b>8.71 (0.6914)</b> [0.7463, 1.3125]	<b>4.22 (0.3349)</b> [0.3648, 0.6536]	<b>4.49 (0.3565)</b> [0.3664, 0.6740]	<b>-8.8850</b> [-30.4240, 24.5706]
<i>Lobule VIIB</i>	<b>6.25 (0.4962)</b> [0.4399, 0.7574]	<b>3.00 (0.2384)</b> [0.2090, 0.3754]	<b>3.25 (0.2578)</b> [0.2193, 0.3935]	<b>-11.1317</b> [-36.9117, 23.6347]
<i>Lobule VIIIA</i>	<b>9.10 (0.7220)</b> [0.5560, 0.9297]	<b>4.03 (0.3201)</b> [0.2714, 0.4792]	<b>5.06 (0.4018)</b> [0.2686, 0.4664]	<b>-32.2306</b> [-26.9092, 33.0176]
<i>Lobule VIIIB</i>	<b>5.27 (0.4179)</b> [0.3730, 0.6415]	<b>2.60 (0.2067)</b> [0.1808, 0.3284]	<b>2.66 (0.2112)</b> [0.1784, 0.3269]	<b>-3.0766</b> [-33.8376, 36.7630]
<i>Lobule IX</i>	<b>3.62 (0.2873)</b> [0.2957, 0.5842]	<b>1.70 (0.1352)</b> [0.1411, 0.2867]	<b>1.92 (0.1521)</b> [0.1518, 0.3002]	<b>-16.7958</b> [-27.4931, 11.5860]
<i>Lobule X</i>	<b>0.71 (0.0566)</b> [0.2957, 0.5842]	<b>0.42 (0.0332)</b> [0.1411, 0.2867]	<b>0.29 (0.0234)</b> [0.1518, 0.3002]	<b>49.0957</b> [-27.4931, 11.5860]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).



<b>Cortical thickness</b>	<b>Mean (mm/norm.)</b>	<b>Right (mm/norm.)</b>	<b>Left (mm/norm.)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	4.58 (4.237) [3.886, 4.408]	4.45 (4.116) [3.886, 4.423]	4.70 (4.353) [3.857, 4.420]	5.5722 [-4.6604, 3.9049]
<i>Lobule I-II</i>	2.84 (2.632) [0.866, 2.758]	2.78 (2.574) [0.849, 2.872]	2.86 (2.651) [0.842, 2.689]	2.9220 [-25.0678, 15.1306]
<i>Lobule III</i>	4.37 (4.048) [2.607, 3.819]	4.51 (4.175) [2.608, 3.891]	4.25 (3.939) [2.537, 3.801]	-5.8252 [-15.0082, 9.9721]
<i>Lobule IV</i>	5.07 (4.695) [4.131, 4.777]	5.05 (4.679) [4.159, 4.839]	5.09 (4.710) [4.054, 4.758]	0.6692 [-7.6376, 3.4291]
<i>Lobule V</i>	5.04 (4.669) [4.131, 4.777]	5.01 (4.638) [4.159, 4.839]	5.07 (4.698) [4.054, 4.758]	1.3025 [-7.6376, 3.4291]
<i>Lobule VI</i>	5.01 (4.636) [4.157, 4.772]	5.01 (4.640) [4.144, 4.822]	5.00 (4.633) [4.126, 4.764]	-0.1527 [-6.0600, 4.3598]
<i>Lobule Crus I</i>	4.37 (4.047) [3.595, 4.486]	4.36 (4.041) [3.548, 4.508]	4.38 (4.052) [3.547, 4.549]	0.2728 [-9.7860, 10.7743]
<i>Lobule Crus II</i>	4.00 (3.702) [3.389, 4.353]	3.74 (3.466) [3.220, 4.379]	4.24 (3.925) [3.419, 4.453]	12.4170 [-10.5792, 17.6495]
<i>Lobule VIIB</i>	4.63 (4.286) [3.783, 4.679]	4.31 (3.988) [3.647, 4.730]	4.93 (4.564) [3.835, 4.698]	13.4394 [-7.8064, 11.5908]
<i>Lobule VIIIA</i>	4.75 (4.394) [3.942, 4.687]	4.57 (4.227) [3.986, 4.747]	4.89 (4.527) [3.848, 4.672]	6.8370 [-8.8111, 3.8168]
<i>Lobule VIIIB</i>	4.61 (4.269) [3.935, 4.758]	4.27 (3.950) [3.979, 4.841]	5.01 (4.640) [3.754, 4.798]	16.1639 [-14.2274, 7.9369]
<i>Lobule IX</i>	4.26 (3.941) [2.866, 4.260]	3.75 (3.474) [2.826, 4.224]	4.71 (4.359) [2.838, 4.352]	22.4544 [-10.3435, 14.1914]
<i>Lobule X</i>	3.02 (2.794) [2.866, 4.260]	3.57 (3.305) [2.826, 4.224]	2.31 (2.135) [2.838, 4.352]	-41.8663 [-10.3435, 14.1914]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) and in relative value (measured in relation to the ICV).

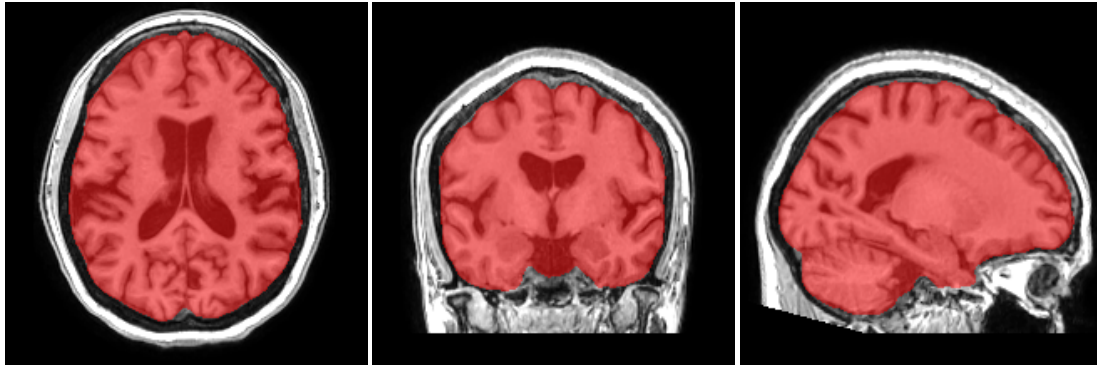
\*The Asymmetry Index is calculated as the difference between right and left volumes divided by their mean (in percent).

\*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).

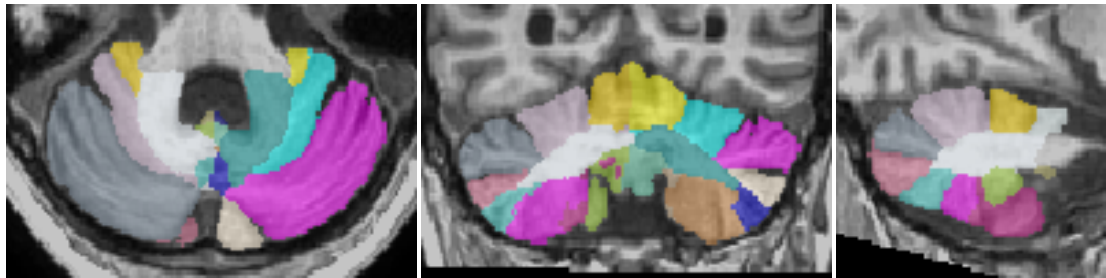
## Intracranial cavity extraction

---



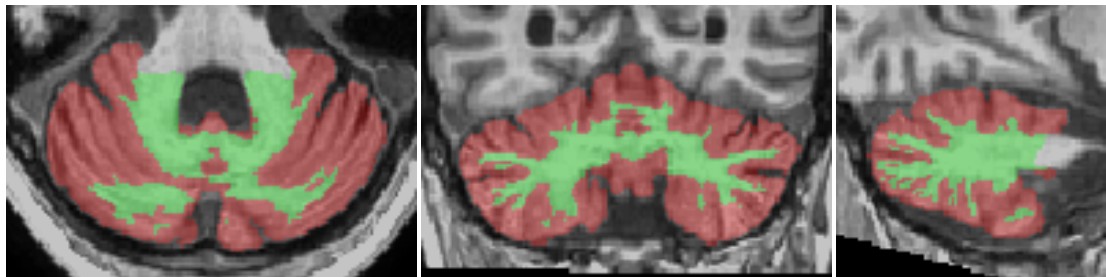
## Lobules segmentation

---



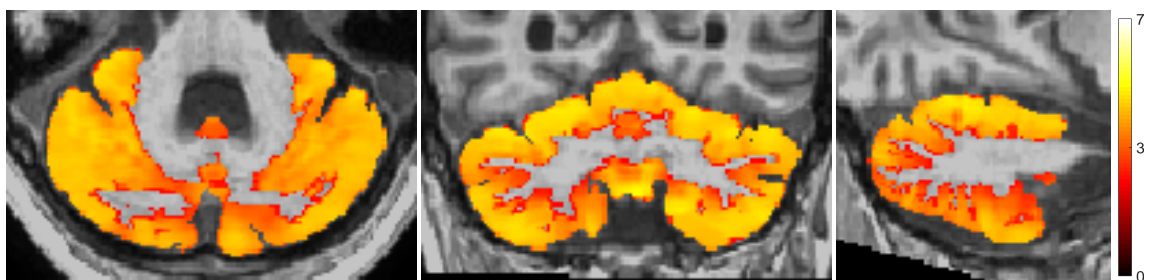
## Tissue classification

---



## Cortical thickness

---



*\*All the volumes are presented in absolute value (measured in  $\text{cm}^3$ ) 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).*

# CERES Volumetry Report. version 1.0 release 20-06-2016

Patient ID	Sex	Age	Report Date
job12470	Male	25	26-Jul-2016

## Image Information

Orientation	radiological
Scale factor	0.85
SNR	48.03
Total intracranial volume (cm <sup>3</sup> )	1561.26

Volumes	Total (cm <sup>3</sup> /%)	Right (cm <sup>3</sup> /%)	Left (cm <sup>3</sup> /%)	Asym.(%)
<i>Cerebellum</i>	103.74 (6.6444) [8.2242, 10.8953]	51.88 (3.3228) [4.0954, 5.4368]	51.86 (3.3216) [4.1192, 5.4681]	0.0360 [-4.0993, 2.8905]
<i>Lobule I-II</i>	0.08 (0.0052) [0.0051, 0.0141]	0.04 (0.0027) [0.0021, 0.0069]	0.04 (0.0025) [0.0026, 0.0075]	8.3333 [-51.8975, 28.0560]
<i>Lobule III</i>	0.87 (0.0556) [0.0673, 0.1476]	0.41 (0.0262) [0.0320, 0.0746]	0.46 (0.0294) [0.0331, 0.0753]	-11.3503 [-27.8382, 23.5387]
<i>Lobule IV</i>	3.49 (0.2234) [0.2596, 0.4413]	1.87 (0.1198) [0.1250, 0.2241]	1.62 (0.1036) [0.1251, 0.2266]	14.5083 [-25.9060, 24.8645]
<i>Lobule V</i>	6.70 (0.4294) [0.2596, 0.4413]	3.48 (0.2229) [0.1250, 0.2241]	3.22 (0.2065) [0.1251, 0.2266]	7.5988 [-25.9060, 24.8645]
<i>Lobule VI</i>	12.76 (0.8172) [1.0532, 1.6394]	6.41 (0.4105) [0.5318, 0.8284]	6.35 (0.4067) [0.5066, 0.8258]	0.9317 [-13.1757, 17.2986]
<i>Lobule Crus I</i>	23.44 (1.5012) [1.4987, 2.4333]	11.88 (0.7610) [0.7227, 1.2134]	11.56 (0.7401) [0.7542, 1.2417]	2.7896 [-18.5114, 12.1361]
<i>Lobule Crus II</i>	12.73 (0.8156) [0.8703, 1.5626]	6.56 (0.4200) [0.4169, 0.7776]	6.18 (0.3957) [0.4351, 0.8034]	5.9475 [-23.1082, 15.3972]
<i>Lobule VII B</i>	7.62 (0.4879) [0.5087, 0.8862]	3.53 (0.2263) [0.2416, 0.4440]	4.08 (0.2616) [0.2477, 0.4616]	-14.4449 [-30.2295, 22.6141]
<i>Lobule VII A</i>	12.46 (0.7979) [0.7381, 1.1242]	5.95 (0.3810) [0.3663, 0.5759]	6.51 (0.4170) [0.3483, 0.5718]	-9.0240 [-19.8578, 25.0111]
<i>Lobule VII B</i>	6.99 (0.4480) [0.4685, 0.8088]	3.36 (0.2153) [0.2308, 0.4265]	3.63 (0.2327) [0.2153, 0.4048]	-7.7941 [-21.4370, 33.0068]
<i>Lobule IX</i>	5.15 (0.3299) [0.3786, 0.7107]	2.52 (0.1615) [0.1801, 0.3484]	2.63 (0.1685) [0.1957, 0.3651]	-4.2525 [-18.0437, 6.2239]
<i>Lobule X</i>	1.06 (0.0680) [0.3786, 0.7107]	0.56 (0.0359) [0.1801, 0.3484]	0.50 (0.0321) [0.1957, 0.3651]	11.2000 [-18.0437, 6.2239]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).

<b>Grey matter vol.</b>	<b>Total (cm<sup>3</sup>/%)</b>	<b>Right (cm<sup>3</sup>/%)</b>	<b>Left (cm<sup>3</sup>/%)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	<b>79.88 (5.1162)</b> [6.1474, 8.3295]	<b>39.36 (2.5211)</b> [3.0712, 4.1452]	<b>40.52 (2.5951)</b> [3.0646, 4.1959]	-2.8955 [-5.3591, 4.1070]
<i>Lobule I-II</i>	0.07 (0.0044) [0.0028, 0.0083]	0.04 (0.0024) [0.0009, 0.0040]	0.03 (0.0020) [0.0016, 0.0046]	20.3562 [-94.5390, 36.1979]
<i>Lobule III</i>	0.82 (0.0522) [0.0492, 0.1102]	0.38 (0.0241) [0.0234, 0.0567]	0.44 (0.0281) [0.0238, 0.0556]	-17.6663 [-35.0396, 36.1944]
<i>Lobule IV</i>	<b>3.24 (0.2073)</b> [0.2237, 0.3881]	1.72 (0.1101) [0.1070, 0.1988]	<b>1.52 (0.0972)</b> [0.1079, 0.1981]	14.6485 [-32.7358, 32.6093]
<i>Lobule V</i>	6.03 (0.3860) [0.2237, 0.3881]	3.08 (0.1975) [0.1070, 0.1988]	2.94 (0.1885) [0.1079, 0.1981]	5.4424 [-32.7358, 32.6093]
<i>Lobule VI</i>	<b>11.56 (0.7405)</b> [0.9400, 1.4806]	<b>5.83 (0.3731)</b> [0.4789, 0.7508]	<b>5.74 (0.3674)</b> [0.4472, 0.7436]	1.8338 [-15.6516, 23.8812]
<i>Lobule Crus I</i>	20.04 (1.2837) [1.1920, 1.9989]	10.05 (0.6440) [0.5746, 0.9960]	9.99 (0.6397) [0.5967, 1.0237]	0.7883 [-25.4173, 17.2933]
<i>Lobule Crus II</i>	<b>10.01 (0.6409)</b> [0.7176, 1.3100]	<b>5.02 (0.3217)</b> [0.3408, 0.6523]	<b>4.98 (0.3191)</b> [0.3596, 0.6749]	0.9595 [-30.6156, 20.1499]
<i>Lobule VIIB</i>	<b>6.49 (0.4158)</b> [0.4274, 0.7667]	<b>2.97 (0.1904)</b> [0.1991, 0.3792]	<b>3.52 (0.2254)</b> [0.2123, 0.4034]	-19.8397 [-41.0461, 24.6654]
<i>Lobule VIIIA</i>	10.29 (0.6588) [0.6314, 0.9861]	<b>4.86 (0.3112)</b> [0.3149, 0.5049]	5.43 (0.3476) [0.2969, 0.5009]	-13.0278 [-24.4836, 31.9502]
<i>Lobule VIIIB</i>	<b>5.97 (0.3822)</b> [0.3987, 0.7037]	<b>2.90 (0.1859)</b> [0.1968, 0.3710]	<b>3.06 (0.1962)</b> [0.1831, 0.3516]	-6.3354 [-26.7449, 41.4724]
<i>Lobule IX</i>	<b>4.17 (0.2669)</b> [0.3080, 0.5767]	<b>1.86 (0.1192)</b> [0.1466, 0.2807]	<b>2.31 (0.1477)</b> [0.1584, 0.2990]	-25.1484 [-25.3622, 9.0715]
<i>Lobule X</i>	<b>1.01 (0.0645)</b> [0.3080, 0.5767]	<b>0.53 (0.0343)</b> [0.1466, 0.2807]	<b>0.47 (0.0302)</b> [0.1584, 0.2990]	<b>14.6971</b> [-25.3622, 9.0715]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).

<b>Cortical thickness</b>	<b>Mean (mm/norm.)</b>	<b>Right (mm/norm.)</b>	<b>Left (mm/norm.)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	4.64 (3.998) [3.832, 4.367]	4.57 (3.939) [3.832, 4.361]	4.70 (4.055) [3.812, 4.393]	2.8890 [-3.5219, 3.8007]
<i>Lobule I-II</i>	3.67 (3.160) [0.980, 2.597]	3.62 (3.124) [0.977, 2.687]	3.72 (3.204) [0.968, 2.538]	2.5066 [-22.3612, 12.9176]
<i>Lobule III</i>	4.41 (3.805) [2.636, 3.687]	4.36 (3.762) [2.640, 3.743]	4.46 (3.845) [2.561, 3.684]	2.1974 [-13.9101, 9.5678]
<i>Lobule IV</i>	5.17 (4.459) [4.065, 4.636]	5.21 (4.491) [4.081, 4.671]	5.13 (4.419) [4.009, 4.639]	-1.6079 [-6.1565, 3.7350]
<i>Lobule V</i>	5.10 (4.397) [4.065, 4.636]	5.00 (4.314) [4.081, 4.671]	5.20 (4.487) [4.009, 4.639]	3.9241 [-6.1565, 3.7350]
<i>Lobule VI</i>	5.02 (4.330) [4.092, 4.690]	5.05 (4.354) [4.096, 4.721]	5.00 (4.306) [4.050, 4.696]	-1.1122 [-5.7350, 4.1328]
<i>Lobule Crus I</i>	4.65 (4.009) [3.561, 4.489]	4.61 (3.977) [3.525, 4.484]	4.69 (4.042) [3.531, 4.556]	1.6104 [-8.0104, 9.8849]
<i>Lobule Crus II</i>	4.00 (3.446) [3.323, 4.259]	3.82 (3.297) [3.143, 4.217]	4.17 (3.596) [3.387, 4.398]	8.7008 [-6.6207, 17.9560]
<i>Lobule VIIB</i>	4.43 (3.822) [3.753, 4.529]	4.36 (3.761) [3.626, 4.536]	4.49 (3.873) [3.807, 4.586]	2.9287 [-5.4420, 11.1304]
<i>Lobule VIIIA</i>	4.73 (4.074) [3.921, 4.525]	4.65 (4.008) [3.938, 4.584]	4.80 (4.134) [3.841, 4.517]	3.0836 [-8.3307, 4.4378]
<i>Lobule VIIIB</i>	4.85 (4.178) [3.978, 4.620]	4.84 (4.169) [4.008, 4.700]	4.86 (4.187) [3.839, 4.636]	0.4281 [-11.6036, 6.0754]
<i>Lobule IX</i>	4.30 (3.709) [3.051, 4.344]	3.75 (3.231) [3.000, 4.381]	4.74 (4.090) [3.044, 4.361]	23.1556 [-10.6362, 11.2722]
<i>Lobule X</i>	3.05 (2.626) [3.051, 4.344]	3.47 (2.990) [3.000, 4.381]	2.57 (2.216) [3.044, 4.361]	-29.4590 [-10.6362, 11.2722]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) and in relative value (measured in relation to the ICV).

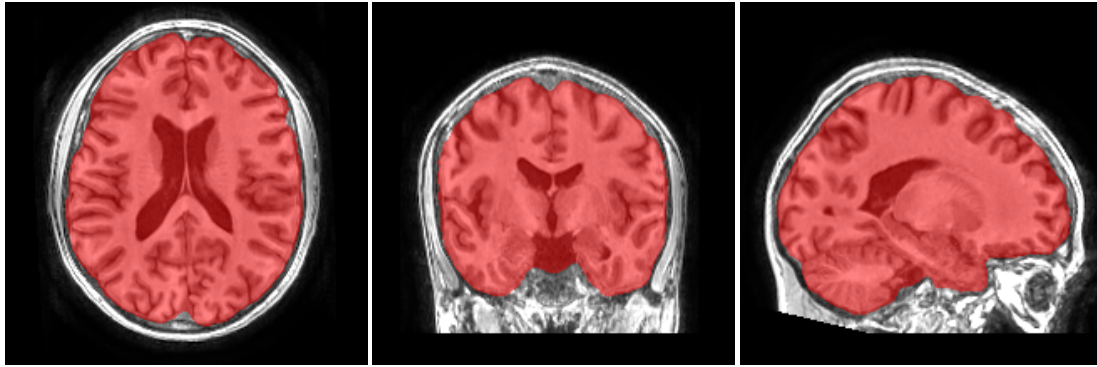
\*The Asymmetry Index is calculated as the difference between right and left volumes divided by their mean (in percent).

\*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).

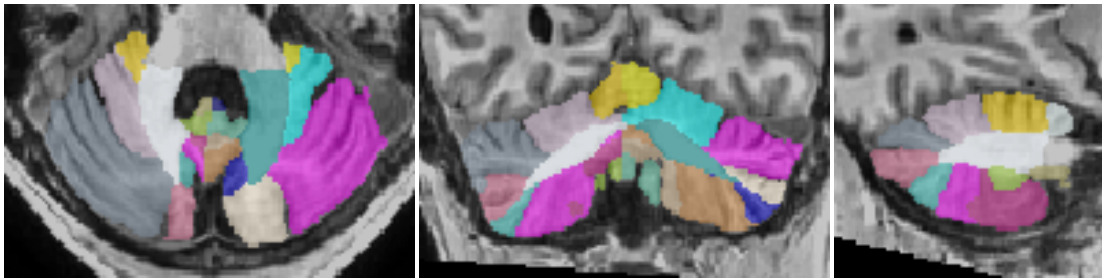
## Intracranial cavity extraction

---



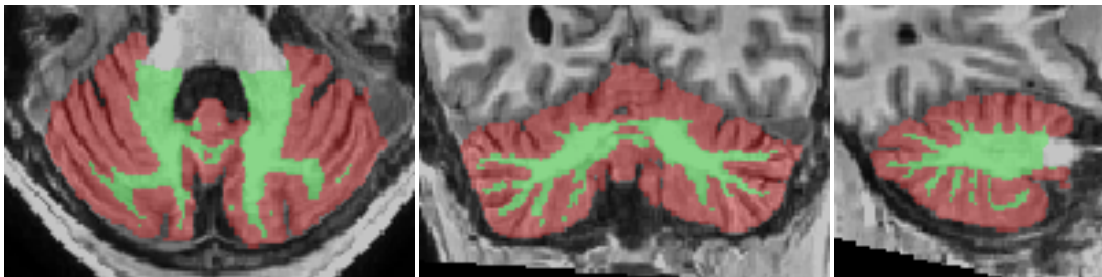
## Lobules segmentation

---



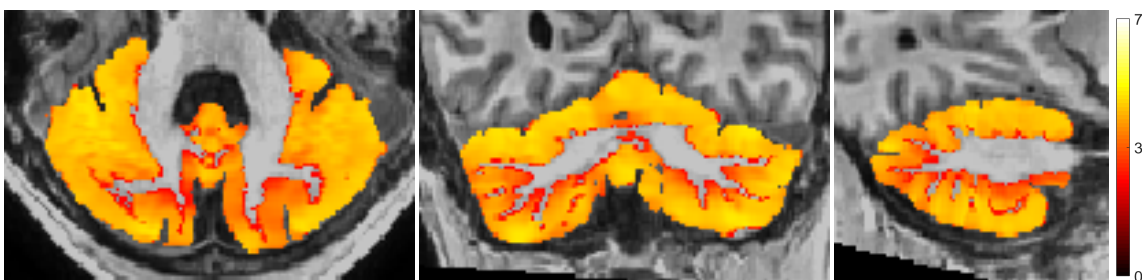
## Tissue classification

---



## Cortical thickness

---



*\*All the volumes are presented in absolute value (measured in  $\text{cm}^3$ ) 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).*

# CERES Volumetry Report. version 1.0 release 20-06-2016

Patient ID	Sex	Age	Report Date
job12471	Male	38	26-Jul-2016

## Image Information

Orientation	radiological
Scale factor	0.78
SNR	87.12
Total intracranial volume (cm <sup>3</sup> )	1427.61

Volumes	Total (cm <sup>3</sup> /%)	Right (cm <sup>3</sup> /%)	Left (cm <sup>3</sup> /%)	Asym.(%)
Cerebellum	112.16 (7.8562) [8.0708, 10.7283]	57.07 (3.9978) [4.0188, 5.3533]	55.08 (3.8584) [4.0425, 5.3845]	3.5471 [-4.0612, 2.8929]
Lobule I-II	0.03 (0.0022) [0.0046, 0.0135]	0.02 (0.0011) [0.0020, 0.0067]	0.02 (0.0011) [0.0022, 0.0071]	-4.8780 [-47.3057, 32.2392]
Lobule III	1.15 (0.0809) [0.0659, 0.1458]	0.55 (0.0382) [0.0313, 0.0737]	0.61 (0.0427) [0.0324, 0.0743]	-10.9386 [-27.2193, 23.8951]
Lobule IV	3.72 (0.2603) [0.2447, 0.4255]	1.91 (0.1337) [0.1190, 0.2176]	1.81 (0.1266) [0.1163, 0.2173]	5.4145 [-24.1500, 26.3610]
Lobule V	6.47 (0.4535) [0.2447, 0.4255]	3.18 (0.2227) [0.1190, 0.2176]	3.29 (0.2308) [0.1163, 0.2173]	-3.5409 [-24.1500, 26.3610]
Lobule VI	13.85 (0.9699) [1.0104, 1.5937]	7.53 (0.5277) [0.5030, 0.7981]	6.31 (0.4422) [0.4928, 0.8103]	17.6371 [-15.3260, 14.9926]
Lobule Crus I	27.60 (1.9331) [1.4648, 2.3947]	13.62 (0.9538) [0.7074, 1.1956]	13.98 (0.9793) [0.7357, 1.2207]	-2.6334 [-18.0774, 12.4135]
Lobule Crus II	14.70 (1.0295) [0.8450, 1.5338]	7.66 (0.5364) [0.4054, 0.7643]	7.04 (0.4932) [0.4214, 0.7878]	8.3930 [-22.5420, 15.7666]
Lobule VII B	7.30 (0.5112) [0.4934, 0.8689]	3.61 (0.2526) [0.2374, 0.4387]	3.69 (0.2587) [0.2367, 0.4495]	-2.3932 [-27.5889, 24.9847]
Lobule VII A	10.78 (0.7552) [0.7048, 1.0889]	5.31 (0.3723) [0.3476, 0.5560]	5.47 (0.3829) [0.3339, 0.5562]	-2.8063 [-20.6406, 23.9990]
Lobule VII B	7.69 (0.5389) [0.4626, 0.8012]	4.00 (0.2803) [0.2257, 0.4203]	3.69 (0.2586) [0.2147, 0.4031]	8.0681 [-22.6187, 31.5469]
Lobule IX	6.84 (0.4789) [0.3761, 0.7065]	3.44 (0.2409) [0.1791, 0.3466]	3.40 (0.2380) [0.1942, 0.3627]	1.1861 [-17.9275, 6.2160]
Lobule X	1.16 (0.0816) [0.3761, 0.7065]	0.55 (0.0388) [0.1791, 0.3466]	0.61 (0.0428) [0.1942, 0.3627]	-9.9063 [-17.9275, 6.2160]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).



<b>Grey matter vol.</b>	<b>Total (cm<sup>3</sup>/%)</b>	<b>Right (cm<sup>3</sup>/%)</b>	<b>Left (cm<sup>3</sup>/%)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	83.66 (5.8601) [5.9598, 8.1307]	42.52 (2.9781) [2.9782, 4.0468]	41.14 (2.8820) [2.9700, 4.0955]	3.2827 [-5.2479, 4.1698]
<i>Lobule I-II</i>	0.03 (0.0022) [0.0025, 0.0080]	0.02 (0.0011) [0.0009, 0.0040]	0.02 (0.0011) [0.0013, 0.0044]	0.0000 [-84.7259, 45.3429]
<i>Lobule III</i>	0.98 (0.0684) [0.0480, 0.1088]	0.46 (0.0322) [0.0228, 0.0559]	0.52 (0.0362) [0.0232, 0.0548]	-14.9435 [-34.8233, 36.0467]
<i>Lobule IV</i>	3.38 (0.2364) [0.2101, 0.3737]	1.69 (0.1187) [0.1016, 0.1930]	1.68 (0.1178) [0.0997, 0.1895]	1.0073 [-30.0691, 34.9420]
<i>Lobule V</i>	5.72 (0.4008) [0.2101, 0.3737]	2.77 (0.1941) [0.1016, 0.1930]	2.95 (0.2067) [0.0997, 0.1895]	-8.1095 [-30.0691, 34.9420]
<i>Lobule VI</i>	11.96 (0.8381) [0.8977, 1.4356]	6.51 (0.4562) [0.4514, 0.7220]	5.45 (0.3818) [0.4325, 0.7274]	22.7677 [-18.2262, 21.1045]
<i>Lobule Crus I</i>	21.96 (1.5384) [1.1478, 1.9506]	11.08 (0.7765) [0.5570, 0.9762]	10.88 (0.7619) [0.5702, 0.9950]	2.4224 [-23.7803, 18.7120]
<i>Lobule Crus II</i>	11.57 (0.8104) [0.6965, 1.2859]	6.05 (0.4235) [0.3319, 0.6419]	5.52 (0.3870) [0.3474, 0.6612]	11.5473 [-29.5995, 20.9066]
<i>Lobule VIIB</i>	5.79 (0.4055) [0.4165, 0.7540]	2.88 (0.2018) [0.1963, 0.3755]	2.91 (0.2037) [0.2043, 0.3944]	-1.2438 [-38.2889, 27.0867]
<i>Lobule VIIIA</i>	8.63 (0.6047) [0.5996, 0.9525]	4.31 (0.3020) [0.2964, 0.4854]	4.32 (0.3028) [0.2837, 0.4867]	-0.3243 [-26.0094, 30.1360]
<i>Lobule VIIIB</i>	6.59 (0.4618) [0.3933, 0.6967]	3.45 (0.2419) [0.1909, 0.3642]	3.14 (0.2199) [0.1836, 0.3513]	12.2257 [-29.4832, 38.3854]
<i>Lobule IX</i>	5.52 (0.3864) [0.2965, 0.5637]	2.62 (0.1834) [0.1406, 0.2741]	2.90 (0.2031) [0.1529, 0.2927]	-13.0877 [-26.0116, 8.2461]
<i>Lobule X</i>	1.13 (0.0795) [0.2965, 0.5637]	0.54 (0.0378) [0.1406, 0.2741]	0.59 (0.0417) [0.1529, 0.2927]	-12.5163 [-26.0116, 8.2461]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).



<b>Cortical thickness</b>	<b>Mean (mm/norm.)</b>	<b>Right (mm/norm.)</b>	<b>Left (mm/norm.)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	4.48 (3.981) [3.816, 4.348]	4.50 (3.998) [3.821, 4.347]	4.46 (3.963) [3.791, 4.369]	-0.8787 [-3.7347, 3.5505]
<i>Lobule I-II</i>	2.53 (2.251) [0.925, 2.533]	2.65 (2.354) [0.923, 2.624]	2.42 (2.146) [0.907, 2.470]	-9.2093 [-22.2200, 12.8785]
<i>Lobule III</i>	4.28 (3.803) [2.587, 3.633]	4.02 (3.573) [2.596, 3.693]	4.53 (4.021) [2.510, 3.626]	11.7891 [-14.1913, 9.1666]
<i>Lobule IV</i>	5.18 (4.602) [4.055, 4.623]	5.17 (4.594) [4.079, 4.666]	5.19 (4.609) [3.989, 4.617]	0.3210 [-6.5327, 3.3083]
<i>Lobule V</i>	5.03 (4.469) [4.055, 4.623]	5.08 (4.512) [4.079, 4.666]	4.99 (4.428) [3.989, 4.617]	-1.8757 [-6.5327, 3.3083]
<i>Lobule VI</i>	4.80 (4.261) [4.063, 4.658]	4.80 (4.265) [4.072, 4.693]	4.79 (4.257) [4.016, 4.659]	-0.1897 [-5.9389, 3.8784]
<i>Lobule Crus I</i>	4.59 (4.074) [3.529, 4.453]	4.58 (4.071) [3.503, 4.456]	4.59 (4.077) [3.488, 4.507]	0.1467 [-8.4849, 9.3189]
<i>Lobule Crus II</i>	3.98 (3.535) [3.373, 4.304]	4.02 (3.567) [3.225, 4.294]	3.94 (3.501) [3.406, 4.411]	-1.8518 [-8.2926, 16.1586]
<i>Lobule VIIB</i>	4.21 (3.739) [3.770, 4.542]	4.30 (3.816) [3.648, 4.552]	4.12 (3.662) [3.818, 4.594]	-4.1075 [-5.6427, 10.8449]
<i>Lobule VIIIA</i>	4.40 (3.908) [3.913, 4.514]	4.52 (4.018) [3.923, 4.566]	4.28 (3.798) [3.844, 4.516]	-5.6286 [-7.8955, 4.8078]
<i>Lobule VIIIB</i>	4.48 (3.982) [3.966, 4.604]	4.52 (4.013) [3.984, 4.672]	4.45 (3.948) [3.842, 4.635]	-1.6300 [-10.9210, 6.6676]
<i>Lobule IX</i>	4.05 (3.601) [2.916, 4.202]	3.91 (3.470) [2.832, 4.206]	4.19 (3.719) [2.938, 4.248]	6.9236 [-8.7157, 13.0807]
<i>Lobule X</i>	4.04 (3.586) [2.916, 4.202]	4.03 (3.576) [2.832, 4.206]	4.05 (3.596) [2.938, 4.248]	0.5459 [-8.7157, 13.0807]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) and in relative value (measured in relation to the ICV).

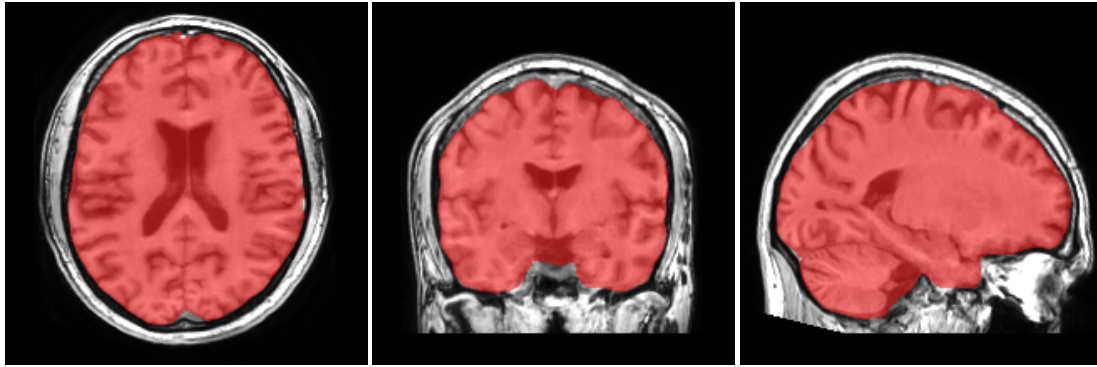
\*The Asymmetry Index is calculated as the difference between right and left volumes divided by their mean (in percent).

\*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).

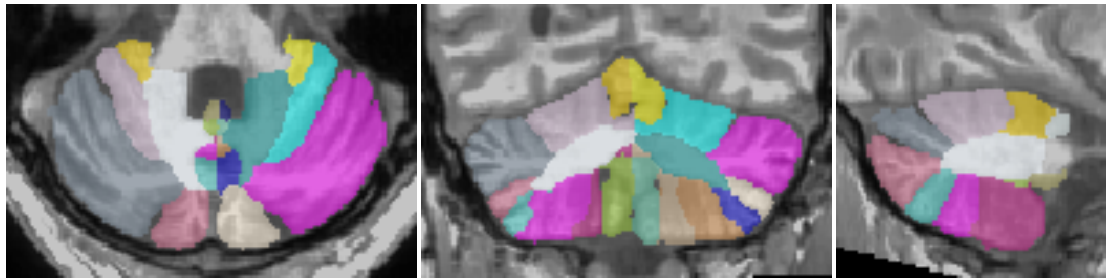
## Intracranial cavity extraction

---



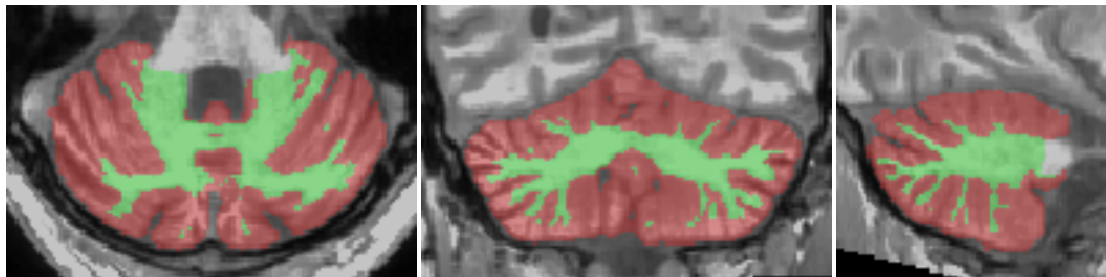
## Lobules segmentation

---



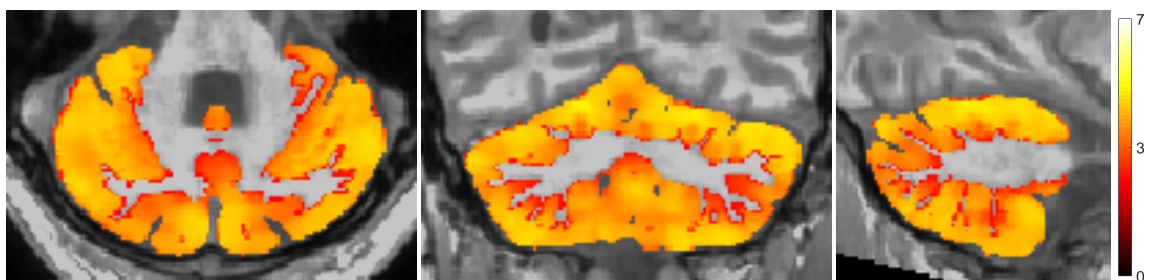
## Tissue classification

---



## Cortical thickness

---



\*All the volumes are presented in absolute value (measured in  $\text{cm}^3$ ) 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).

# CERES Volumetry Report. version 1.0 release 20-06-2016

Patient ID	Sex	Age	Report Date
job12825	Male	36	01-Aug-2016

## Image Information

Orientation	radiological
Scale factor	0.80
SNR	15.62
Total intracranial volume (cm <sup>3</sup> )	1468.79

Volumes	Total (cm <sup>3</sup> /%)	Right (cm <sup>3</sup> /%)	Left (cm <sup>3</sup> /%)	Asym.(%)
Cerebellum	103.76 (7.0644) [8.1007, 10.7579]	51.08 (3.4776) [4.0338, 5.3681]	52.68 (3.5869) [4.0574, 5.3993]	-3.0952 [-4.0599, 2.8936]
Lobule I-II	0.14 (0.0095) [0.0046, 0.0136]	0.06 (0.0038) [0.0020, 0.0067]	0.08 (0.0056) [0.0023, 0.0072]	-38.1503 [-47.8045, 31.7329]
Lobule III	1.01 (0.0685) [0.0663, 0.1461]	0.54 (0.0368) [0.0315, 0.0739]	0.47 (0.0318) [0.0325, 0.0745]	14.5484 [-27.2766, 23.8330]
Lobule IV	3.81 (0.2591) [0.2470, 0.4277]	1.83 (0.1247) [0.1200, 0.2186]	1.97 (0.1344) [0.1176, 0.2186]	-7.4826 [-24.3798, 26.1265]
Lobule V	8.02 (0.5460) [0.2470, 0.4277]	4.11 (0.2799) [0.1200, 0.2186]	3.91 (0.2661) [0.1176, 0.2186]	5.0356 [-24.3798, 26.1265]
Lobule VI	16.16 (1.1000) [1.0172, 1.6004]	8.11 (0.5519) [0.5073, 0.8023]	8.05 (0.5481) [0.4952, 0.8128]	0.6971 [-15.0517, 15.2640]
Lobule Crus I	17.85 (1.2150) [1.4715, 2.4013]	8.47 (0.5768) [0.7105, 1.1987]	9.37 (0.6382) [0.7393, 1.2243]	-10.0983 [-18.1197, 12.3683]
Lobule Crus II	14.85 (1.0107) [0.8497, 1.5384]	6.63 (0.4511) [0.4075, 0.7664]	8.22 (0.5596) [0.4239, 0.7903]	-21.4708 [-22.6114, 15.6936]
Lobule VII B	8.83 (0.6013) [0.4961, 0.8716]	4.31 (0.2934) [0.2384, 0.4397]	4.52 (0.3079) [0.2384, 0.4512]	-4.8283 [-27.8427, 24.7259]
Lobule VII A	10.16 (0.6920) [0.7100, 1.0941]	5.58 (0.3798) [0.3505, 0.5589]	4.59 (0.3122) [0.3362, 0.5585]	19.5346 [-20.5125, 24.1230]
Lobule VII B	5.93 (0.4038) [0.4641, 0.8027]	3.14 (0.2139) [0.2267, 0.4214]	2.79 (0.1898) [0.2151, 0.4036]	11.9371 [-22.4473, 31.7132]
Lobule IX	4.73 (0.3218) [0.3773, 0.7077]	2.07 (0.1410) [0.1797, 0.3471]	2.65 (0.1808) [0.1949, 0.3634]	-24.6809 [-17.9610, 6.1803]
Lobule X	1.02 (0.0696) [0.3773, 0.7077]	0.49 (0.0335) [0.1797, 0.3471]	0.53 (0.0361) [0.1949, 0.3634]	-7.5591 [-17.9610, 6.1803]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).

<b>Grey matter vol.</b>	<b>Total (cm<sup>3</sup>/%)</b>	<b>Right (cm<sup>3</sup>/%)</b>	<b>Left (cm<sup>3</sup>/%)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	<b>76.88 (5.2344)</b> [5.9910, 8.1618]	<b>37.84 (2.5762)</b> [2.9938, 4.0622]	<b>39.04 (2.6582)</b> [2.9857, 4.1111]	-3.1351 [-5.2541, 4.1628]
<i>Lobule I-II</i>	0.08 (0.0056) [0.0026, 0.0080]	0.03 (0.0020) [0.0009, 0.0040]	0.05 (0.0036) [0.0014, 0.0044]	-69.9932 [-85.7760, 44.2806]
<i>Lobule III</i>	0.78 (0.0529) [0.0482, 0.1090]	0.41 (0.0278) [0.0229, 0.0560]	0.37 (0.0251) [0.0234, 0.0550]	12.6230 [-34.8527, 36.0106]
<i>Lobule IV</i>	3.49 (0.2373) [0.2121, 0.3757]	1.66 (0.1133) [0.1024, 0.1938]	1.82 (0.1240) [0.1009, 0.1907]	-11.2477 [-30.4180, 34.5870]
<i>Lobule V</i>	<b>6.95 (0.4731)</b> [0.2121, 0.3757]	<b>3.61 (0.2461)</b> [0.1024, 0.1938]	<b>3.33 (0.2270)</b> [0.1009, 0.1907]	10.0152 [-30.4180, 34.5870]
<i>Lobule VI</i>	14.50 (0.9870) [0.9043, 1.4420]	7.34 (0.4999) [0.4555, 0.7260]	7.15 (0.4871) [0.4350, 0.7299]	3.2282 [-17.8989, 21.4281]
<i>Lobule Crus I</i>	<b>14.57 (0.9918)</b> [1.1551, 1.9578]	<b>7.14 (0.4858)</b> [0.5601, 0.9793]	<b>7.43 (0.5060)</b> [0.5743, 0.9992]	-5.0661 [-23.9567, 18.5316]
<i>Lobule Crus II</i>	11.59 (0.7889) [0.7007, 1.2900]	5.15 (0.3504) [0.3338, 0.6437]	6.44 (0.4385) [0.3497, 0.6634]	-27.7369 [-29.7041, 20.7973]
<i>Lobule VIIB</i>	7.19 (0.4897) [0.4188, 0.7563]	3.35 (0.2280) [0.1972, 0.3764]	3.84 (0.2617) [0.2057, 0.3958]	-17.0995 [-38.5419, 26.8276]
<i>Lobule VIIIA</i>	<b>8.02 (0.5462)</b> [0.6046, 0.9574]	<b>4.24 (0.2889)</b> [0.2992, 0.4882]	<b>3.78 (0.2572)</b> [0.2859, 0.4888]	14.4356 [-25.7847, 30.3554]
<i>Lobule VIIIB</i>	<b>4.87 (0.3316)</b> [0.3947, 0.6980]	<b>2.71 (0.1844)</b> [0.1920, 0.3653]	<b>2.16 (0.1472)</b> [0.1839, 0.3515]	27.8408 [-29.1336, 38.7287]
<i>Lobule IX</i>	<b>3.69 (0.2511)</b> [0.2985, 0.5657]	<b>1.65 (0.1122)</b> [0.1416, 0.2750]	<b>2.04 (0.1389)</b> [0.1539, 0.2937]	<b>-26.4049</b> [-25.9658, 8.2888]
<i>Lobule X</i>	<b>0.93 (0.0633)</b> [0.2985, 0.5657]	<b>0.46 (0.0312)</b> [0.1416, 0.2750]	<b>0.47 (0.0321)</b> [0.1539, 0.2937]	-3.4408 [-25.9658, 8.2888]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).

<b>Cortical thickness</b>	<b>Mean (mm/norm.)</b>	<b>Right (mm/norm.)</b>	<b>Left (mm/norm.)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	4.46 (3.924) [3.818, 4.351]	4.43 (3.895) [3.823, 4.349]	4.49 (3.953) [3.794, 4.373]	1.4775 [-3.7049, 3.5796]
<i>Lobule I-II</i>	1.97 (1.737) [0.931, 2.539]	2.08 (1.827) [0.929, 2.630]	1.93 (1.694) [0.914, 2.476]	-7.6520 [-22.2362, 12.8590]
<i>Lobule III</i>	3.51 (3.091) [2.592, 3.638]	3.61 (3.173) [2.601, 3.698]	3.42 (3.005) [2.516, 3.632]	-5.4374 [-14.1220, 9.2337]
<i>Lobule IV</i>	5.05 (4.439) [4.056, 4.624]	4.98 (4.384) [4.078, 4.665]	5.11 (4.493) [3.991, 4.618]	2.4618 [-6.4780, 3.3621]
<i>Lobule V</i>	4.94 (4.349) [4.056, 4.624]	4.98 (4.384) [4.078, 4.665]	4.90 (4.310) [3.991, 4.618]	-1.7092 [-6.4780, 3.3621]
<i>Lobule VI</i>	5.00 (4.400) [4.066, 4.661]	5.00 (4.396) [4.075, 4.696]	5.01 (4.404) [4.020, 4.663]	0.1799 [-5.9105, 3.9059]
<i>Lobule Crus I</i>	4.48 (3.943) [3.534, 4.457]	4.54 (3.998) [3.506, 4.460]	4.42 (3.891) [3.494, 4.513]	-2.7258 [-8.4153, 9.3869]
<i>Lobule Crus II</i>	3.83 (3.372) [3.369, 4.300]	3.62 (3.183) [3.218, 4.286]	4.01 (3.524) [3.406, 4.411]	10.1141 [-8.0924, 16.3565]
<i>Lobule VIIB</i>	4.34 (3.821) [3.770, 4.542]	3.89 (3.426) [3.647, 4.552]	4.74 (4.166) [3.819, 4.595]	19.3683 [-5.6243, 10.8618]
<i>Lobule VIIIA</i>	4.40 (3.871) [3.915, 4.516]	4.22 (3.717) [3.926, 4.569]	4.60 (4.045) [3.844, 4.516]	8.4887 [-7.9469, 4.7551]
<i>Lobule VIIIB</i>	4.52 (3.973) [3.967, 4.605]	4.84 (4.261) [3.987, 4.674]	4.11 (3.615) [3.842, 4.635]	-16.2432 [-10.9907, 6.5963]
<i>Lobule IX</i>	3.85 (3.386) [2.933, 4.219]	3.77 (3.313) [2.853, 4.227]	3.92 (3.446) [2.952, 4.262]	3.9297 [-8.9305, 12.8638]
<i>Lobule X</i>	2.38 (2.096) [2.933, 4.219]	2.80 (2.465) [2.853, 4.227]	2.02 (1.776) [2.952, 4.262]	-32.8706 [-8.9305, 12.8638]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) and in relative value (measured in relation to the ICV).

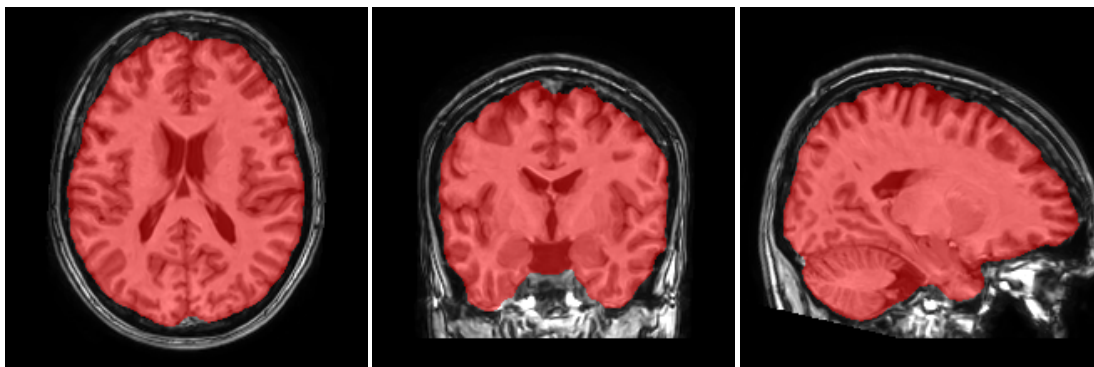
\*The Asymmetry Index is calculated as the difference between right and left volumes divided by their mean (in percent).

\*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).

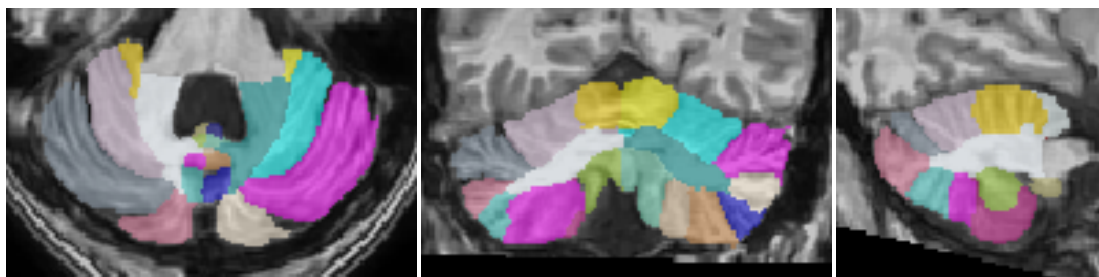
## Intracranial cavity extraction

---



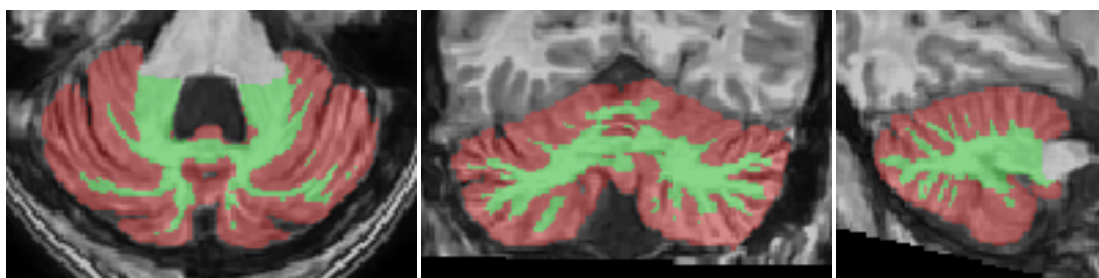
## Lobules segmentation

---



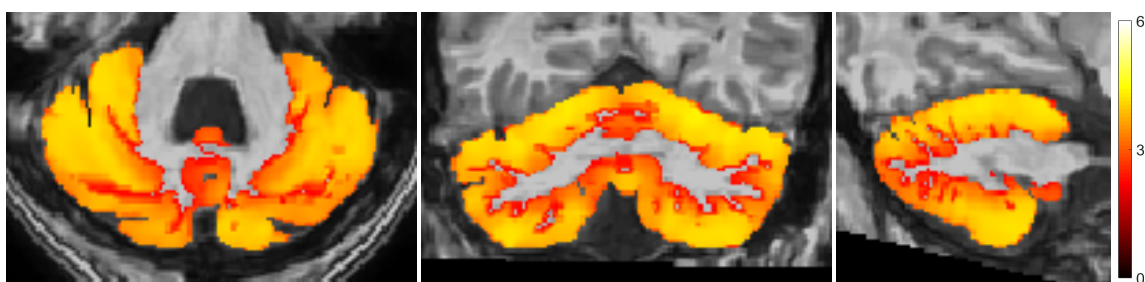
## Tissue classification

---



## Cortical thickness

---



*\*All the volumes are presented in absolute value (measured in  $\text{cm}^3$ ) 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).*

# CERES Volumetry Report. version 1.0 release 20-06-2016

Patient ID	Sex	Age	Report Date
job12842	Male	33	01-Aug-2016

## Image Information

Orientation	radiological
Scale factor	0.85
SNR	17.92
Total intracranial volume (cm <sup>3</sup> )	1571.20

Volumes	Total (cm <sup>3</sup> /%)	Right (cm <sup>3</sup> /%)	Left (cm <sup>3</sup> /%)	Asym.(%)
<i>Cerebellum</i>	126.54 (8.0536) [8.1415, 10.7994]	62.58 (3.9832) [4.0542, 5.3889]	63.95 (4.0704) [4.0778, 5.4200]	-2.1657 [-4.0619, 2.8931]
<i>Lobule I-II</i>	0.17 (0.0107) [0.0047, 0.0137]	0.08 (0.0049) [0.0020, 0.0068]	0.09 (0.0058) [0.0024, 0.0073]	-16.1616 [-48.6847, 30.8704]
<i>Lobule III</i>	1.30 (0.0830) [0.0667, 0.1466]	0.63 (0.0403) [0.0317, 0.0741]	0.67 (0.0427) [0.0328, 0.0748]	-5.8404 [-27.3823, 23.7387]
<i>Lobule IV</i>	4.53 (0.2880) [0.2504, 0.4312]	2.40 (0.1530) [0.1214, 0.2200]	2.12 (0.1350) [0.1196, 0.2206]	12.5607 [-24.7459, 25.7716]
<i>Lobule V</i>	9.36 (0.5958) [0.2504, 0.4312]	4.60 (0.2925) [0.1214, 0.2200]	4.77 (0.3033) [0.1196, 0.2206]	-3.6324 [-24.7459, 25.7716]
<i>Lobule VI</i>	17.67 (1.1244) [1.0273, 1.6106]	9.48 (0.6033) [0.5139, 0.8090]	8.19 (0.5211) [0.4987, 0.8163]	14.6215 [-14.5981, 15.7244]
<i>Lobule Crus I</i>	25.57 (1.6276) [1.4807, 2.4106]	11.22 (0.7144) [0.7148, 1.2031]	14.35 (0.9132) [0.7442, 1.2293]	-24.4228 [-18.1962, 12.2985]
<i>Lobule Crus II</i>	16.53 (1.0523) [0.8563, 1.5452]	7.84 (0.4988) [0.4105, 0.7695]	8.70 (0.5535) [0.4275, 0.7939]	-10.3949 [-22.7229, 15.5906]
<i>Lobule VIIB</i>	9.06 (0.5766) [0.5000, 0.8755]	4.60 (0.2927) [0.2397, 0.4411]	4.46 (0.2839) [0.2410, 0.4538]	3.0626 [-28.3211, 24.2592]
<i>Lobule VIIIA</i>	13.13 (0.8356) [0.7178, 1.1020]	6.99 (0.4447) [0.3548, 0.5633]	6.14 (0.3910) [0.3396, 0.5620]	12.8455 [-20.3202, 24.3252]
<i>Lobule VIIIB</i>	8.34 (0.5311) [0.4660, 0.8047]	4.26 (0.2712) [0.2281, 0.4228]	4.08 (0.2599) [0.2156, 0.4041]	4.2372 [-22.1766, 31.9959]
<i>Lobule IX</i>	7.86 (0.5003) [0.3787, 0.7091]	3.73 (0.2374) [0.1803, 0.3477]	4.13 (0.2629) [0.1956, 0.3642]	-10.2001 [-17.9976, 6.1490]
<i>Lobule X</i>	1.35 (0.0862) [0.3787, 0.7091]	0.67 (0.0427) [0.1803, 0.3477]	0.68 (0.0435) [0.1956, 0.3642]	-1.8738 [-17.9976, 6.1490]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).



<b>Grey matter vol.</b>	<b>Total (cm<sup>3</sup>/%)</b>	<b>Right (cm<sup>3</sup>/%)</b>	<b>Left (cm<sup>3</sup>/%)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	100.09 (6.3706) [6.0365, 8.2077]	49.21 (3.1317) [3.0164, 4.0851]	50.89 (3.2389) [3.0086, 4.1342]	-3.3666 [-5.2696, 4.1493]
<i>Lobule I-II</i>	0.09 (0.0057) [0.0026, 0.0081]	0.04 (0.0023) [0.0009, 0.0040]	0.05 (0.0034) [0.0014, 0.0044]	-49.0757 [-87.6489, 42.4365]
<i>Lobule III</i>	0.97 (0.0616) [0.0486, 0.1094]	0.45 (0.0288) [0.0231, 0.0562]	0.52 (0.0328) [0.0235, 0.0551]	-15.4884 [-34.8909, 35.9881]
<i>Lobule IV</i>	3.97 (0.2530) [0.2152, 0.3788]	2.06 (0.1308) [0.1037, 0.1950]	1.92 (0.1221) [0.1028, 0.1925]	8.1016 [-30.9754, 34.0441]
<i>Lobule V</i>	8.35 (0.5313) [0.2152, 0.3788]	4.15 (0.2640) [0.1037, 0.1950]	4.20 (0.2673) [0.1028, 0.1925]	-1.4853 [-30.9754, 34.0441]
<i>Lobule VI</i>	16.22 (1.0326) [0.9141, 1.4520]	8.92 (0.5679) [0.4617, 0.7323]	7.30 (0.4647) [0.4386, 0.7335]	23.6431 [-17.3564, 21.9794]
<i>Lobule Crus I</i>	22.15 (1.4099) [1.1657, 1.9686]	9.62 (0.6121) [0.5645, 0.9838]	12.54 (0.7978) [0.5806, 1.0055]	-31.1482 [-24.2676, 18.2302]
<i>Lobule Crus II</i>	14.23 (0.9054) [0.7064, 1.2958]	6.83 (0.4348) [0.3363, 0.6463]	7.39 (0.4706) [0.3529, 0.6667]	-9.3637 [-29.8902, 20.6224]
<i>Lobule VIIB</i>	8.12 (0.5171) [0.4218, 0.7593]	4.11 (0.2618) [0.1982, 0.3774]	4.01 (0.2553) [0.2077, 0.3978]	3.0031 [-39.0303, 26.3537]
<i>Lobule VIIIA</i>	11.66 (0.7421) [0.6121, 0.9650]	6.30 (0.4010) [0.3035, 0.4925]	5.36 (0.3411) [0.2890, 0.4920]	19.0729 [-25.4342, 30.7184]
<i>Lobule VIIIB</i>	7.08 (0.4505) [0.3964, 0.6998]	3.49 (0.2224) [0.1935, 0.3668]	3.58 (0.2281) [0.1841, 0.3518]	-3.0231 [-28.5522, 39.3252]
<i>Lobule IX</i>	5.74 (0.3651) [0.3014, 0.5687]	2.51 (0.1599) [0.1430, 0.2765]	3.22 (0.2052) [0.1554, 0.2952]	-29.3173 [-25.8560, 8.4061]
<i>Lobule X</i>	1.30 (0.0827) [0.3014, 0.5687]	0.64 (0.0410) [0.1430, 0.2765]	0.66 (0.0418) [0.1554, 0.2952]	-2.3076 [-25.8560, 8.4061]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).



<b>Cortical thickness</b>	<b>Mean (mm/norm.)</b>	<b>Right (mm/norm.)</b>	<b>Left (mm/norm.)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	4.67 (4.017) [3.822, 4.355]	4.73 (4.064) [3.826, 4.352]	4.62 (3.971) [3.799, 4.378]	-2.3228 [-3.6573, 3.6289]
<i>Lobule I-II</i>	1.74 (1.498) [0.942, 2.550]	1.53 (1.318) [0.940, 2.642]	1.84 (1.582) [0.926, 2.489]	17.6120 [-22.2601, 12.8429]
<i>Lobule III</i>	3.16 (2.716) [2.602, 3.648]	3.09 (2.655) [2.609, 3.706]	3.22 (2.769) [2.526, 3.643]	4.1980 [-14.0331, 9.3278]
<i>Lobule IV</i>	5.03 (4.325) [4.058, 4.625]	5.02 (4.318) [4.078, 4.665]	5.04 (4.333) [3.995, 4.622]	0.3572 [-6.3927, 3.4496]
<i>Lobule V</i>	5.18 (4.457) [4.058, 4.625]	5.27 (4.533) [4.078, 4.665]	5.09 (4.382) [3.995, 4.622]	-3.3912 [-6.3927, 3.4496]
<i>Lobule VI</i>	5.12 (4.405) [4.072, 4.668]	5.34 (4.590) [4.080, 4.701]	4.87 (4.193) [4.027, 4.670]	-9.0199 [-5.8647, 3.9539]
<i>Lobule Crus I</i>	4.61 (3.962) [3.542, 4.465]	4.47 (3.848) [3.512, 4.466]	4.71 (4.052) [3.504, 4.524]	5.1443 [-8.3064, 9.4997]
<i>Lobule Crus II</i>	4.36 (3.754) [3.361, 4.292]	4.48 (3.852) [3.203, 4.272]	4.26 (3.664) [3.404, 4.410]	-5.0168 [-7.7502, 16.7041]
<i>Lobule VIIB</i>	4.89 (4.207) [3.768, 4.541]	4.97 (4.272) [3.645, 4.550]	4.81 (4.141) [3.818, 4.594]	-3.1153 [-5.5861, 10.9036]
<i>Lobule VIIIA</i>	4.90 (4.215) [3.917, 4.519]	5.00 (4.298) [3.930, 4.573]	4.79 (4.124) [3.844, 4.517]	-4.1226 [-8.0331, 4.6718]
<i>Lobule VIIIB</i>	4.74 (4.075) [3.970, 4.608]	4.73 (4.065) [3.992, 4.680]	4.75 (4.086) [3.841, 4.635]	0.5293 [-11.1172, 6.4737]
<i>Lobule IX</i>	3.37 (2.901) [2.962, 4.248]	2.97 (2.551) [2.888, 4.262]	3.69 (3.173) [2.975, 4.285]	21.4358 [-9.3050, 12.4941]
<i>Lobule X</i>	2.61 (2.243) [2.962, 4.248]	2.97 (2.552) [2.888, 4.262]	2.24 (1.930) [2.975, 4.285]	-27.7202 [-9.3050, 12.4941]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) and in relative value (measured in relation to the ICV).

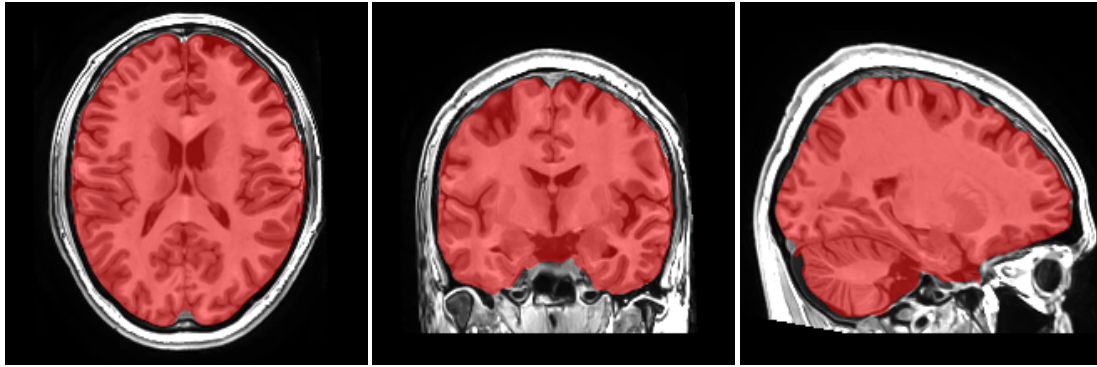
\*The Asymmetry Index is calculated as the difference between right and left volumes divided by their mean (in percent).

\*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).

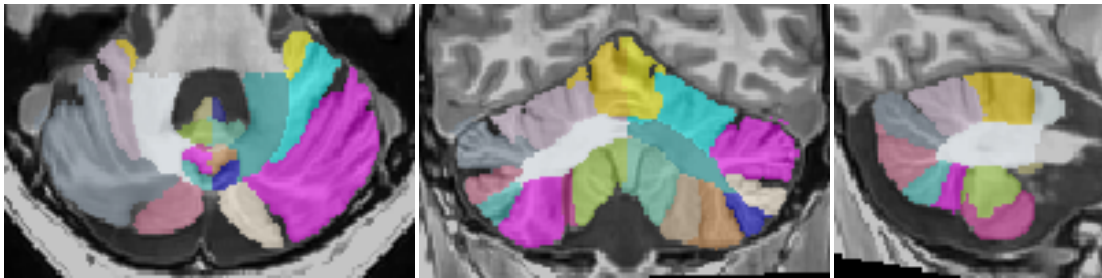
## Intracranial cavity extraction

---



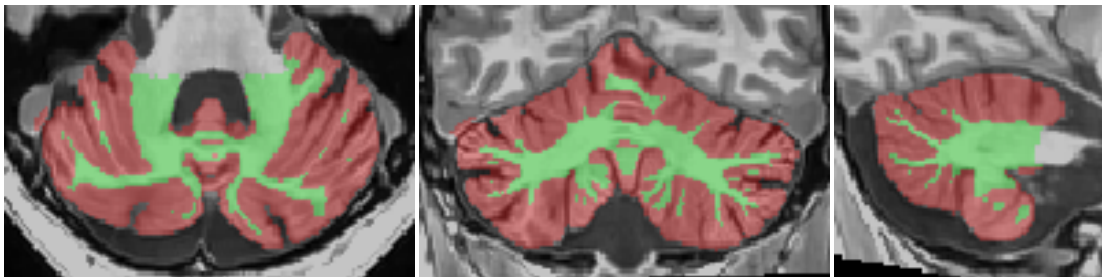
## Lobules segmentation

---



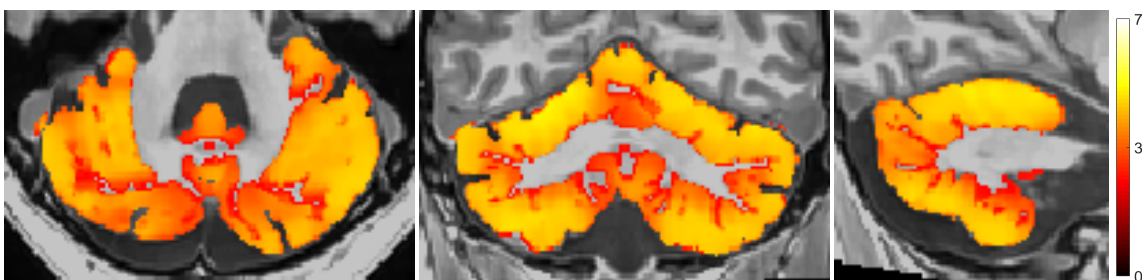
## Tissue classification

---



## Cortical thickness

---



*\*All the volumes are presented in absolute value (measured in  $\text{cm}^3$ ) 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).*

# CERES Volumetry Report. version 1.0 release 20-06-2016

Patient ID	Sex	Age	Report Date
job12868	Male	39	02-Aug-2016

## Image Information

Orientation	radiological
Scale factor	0.77
SNR	50.25
Total intracranial volume (cm <sup>3</sup> )	1437.68

Volumes	Total (cm <sup>3</sup> /%)	Right (cm <sup>3</sup> /%)	Left (cm <sup>3</sup> /%)	Asym.(%)
<i>Cerebellum</i>	120.70 (8.3955) [8.0551, 10.7128]	60.19 (4.1867) [4.0109, 5.3455]	60.51 (4.2088) [4.0347, 5.3768]	-0.5258 [-4.0626, 2.8921]
<i>Lobule I-II</i>	0.13 (0.0093) [0.0045, 0.0135]	0.08 (0.0053) [0.0019, 0.0067]	0.06 (0.0040) [0.0022, 0.0071]	27.5862 [-47.0816, 32.4706]
<i>Lobule III</i>	1.47 (0.1022) [0.0657, 0.1456]	0.70 (0.0489) [0.0312, 0.0736]	0.77 (0.0534) [0.0323, 0.0742]	-8.8050 [-27.1939, 23.9252]
<i>Lobule IV</i>	5.25 (0.3655) [0.2436, 0.4244]	2.64 (0.1836) [0.1186, 0.2172]	2.61 (0.1819) [0.1156, 0.2166]	0.9673 [-24.0387, 26.4769]
<i>Lobule V</i>	9.33 (0.6491) [0.2436, 0.4244]	4.69 (0.3261) [0.1186, 0.2172]	4.64 (0.3230) [0.1156, 0.2166]	0.9738 [-24.0387, 26.4769]
<i>Lobule VI</i>	14.79 (1.0285) [1.0070, 1.5904]	7.55 (0.5252) [0.5008, 0.7960]	7.24 (0.5033) [0.4915, 0.8091]	4.2606 [-15.4543, 14.8670]
<i>Lobule Crus I</i>	22.50 (1.5650) [1.4613, 2.3913]	10.69 (0.7437) [0.7058, 1.1940]	11.81 (0.8213) [0.7339, 1.2189]	-9.9131 [-18.0584, 12.4352]
<i>Lobule Crus II</i>	15.06 (1.0476) [0.8426, 1.5315]	7.62 (0.5301) [0.4042, 0.7632]	7.44 (0.5175) [0.4201, 0.7865]	2.4035 [-22.5082, 15.8038]
<i>Lobule VIIB</i>	8.44 (0.5870) [0.4920, 0.8676]	3.92 (0.2727) [0.2368, 0.4382]	4.52 (0.3143) [0.2359, 0.4487]	-14.1827 [-27.4807, 25.0976]
<i>Lobule VIIIA</i>	12.92 (0.8990) [0.7022, 1.0864]	6.75 (0.4692) [0.3461, 0.5546]	6.18 (0.4298) [0.3327, 0.5551]	8.7837 [-20.7040, 23.9397]
<i>Lobule VIIIB</i>	9.28 (0.6452) [0.4618, 0.8004]	4.46 (0.3102) [0.2251, 0.4198]	4.82 (0.3350) [0.2144, 0.4029]	-7.6891 [-22.7009, 31.4696]
<i>Lobule IX</i>	7.27 (0.5059) [0.3753, 0.7057]	3.69 (0.2564) [0.1788, 0.3463]	3.59 (0.2495) [0.1937, 0.3623]	2.7322 [-17.9077, 6.2380]
<i>Lobule X</i>	1.17 (0.0811) [0.3753, 0.7057]	0.58 (0.0404) [0.1788, 0.3463]	0.58 (0.0406) [0.1937, 0.3623]	-0.3966 [-17.9077, 6.2380]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).

<b>Grey matter vol.</b>	<b>Total (<math>cm^3/\%</math>)</b>	<b>Right (<math>cm^3/\%</math>)</b>	<b>Left (<math>cm^3/\%</math>)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	90.66 (6.3058) [5.9439, 8.1151]	44.14 (3.0705) [2.9703, 4.0389]	46.51 (3.2352) [2.9621, 4.0877]	-5.2248 [-5.2460, 4.1726]
<i>Lobule I-II</i>	0.11 (0.0079) [0.0025, 0.0080]	0.06 (0.0039) [0.0009, 0.0040]	0.06 (0.0040) [0.0013, 0.0043]	-5.2995 [-84.2585, 45.8221]
<i>Lobule III</i>	1.23 (0.0856) [0.0478, 0.1086]	0.57 (0.0396) [0.0227, 0.0558]	0.66 (0.0460) [0.0232, 0.0548]	-19.1751 [-34.8064, 36.0700]
<i>Lobule IV</i>	4.67 (0.3245) [0.2092, 0.3727]	2.32 (0.1617) [0.1012, 0.1926]	2.34 (0.1629) [0.0991, 0.1889]	-0.9430 [-29.9006, 35.1165]
<i>Lobule V</i>	8.14 (0.5660) [0.2092, 0.3727]	4.09 (0.2844) [0.1012, 0.1926]	4.05 (0.2816) [0.0991, 0.1889]	1.2780 [-29.9006, 35.1165]
<i>Lobule VI</i>	13.23 (0.9203) [0.8945, 1.4323]	6.85 (0.4766) [0.4494, 0.7200]	6.38 (0.4437) [0.4312, 0.7262]	9.2963 [-18.3790, 20.9553]
<i>Lobule Crus I</i>	18.48 (1.2853) [1.1442, 1.9471]	8.70 (0.6051) [0.5554, 0.9747]	9.78 (0.6803) [0.5681, 0.9930]	-15.1847 [-23.7008, 18.7954]
<i>Lobule Crus II</i>	12.18 (0.8473) [0.6944, 1.2838]	6.06 (0.4216) [0.3309, 0.6409]	6.12 (0.4257) [0.3462, 0.6600]	-1.2807 [-29.5523, 20.9584]
<i>Lobule VIIB</i>	7.05 (0.4906) [0.4154, 0.7529]	3.15 (0.2188) [0.1958, 0.3751]	3.91 (0.2718) [0.2036, 0.3937]	-28.0149 [-38.1832, 27.1984]
<i>Lobule VIIIA</i>	10.83 (0.7533) [0.5972, 0.9501]	5.47 (0.3806) [0.2950, 0.4840]	5.36 (0.3727) [0.2827, 0.4856]	2.7330 [-26.1181, 30.0324]
<i>Lobule VIIIB</i>	7.49 (0.5208) [0.3926, 0.6960]	3.40 (0.2365) [0.1904, 0.3637]	4.09 (0.2844) [0.1834, 0.3511]	-23.8789 [-29.6457, 38.2292]
<i>Lobule IX</i>	5.77 (0.4013) [0.2954, 0.5627]	2.73 (0.1898) [0.1401, 0.2736]	3.04 (0.2116) [0.1523, 0.2922]	-14.1087 [-26.0259, 8.2350]
<i>Lobule X</i>	1.14 (0.0791) [0.2954, 0.5627]	0.57 (0.0395) [0.1401, 0.2736]	0.57 (0.0396) [0.1523, 0.2922]	-0.3519 [-26.0259, 8.2350]

\*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).

<b>Cortical thickness</b>	<b>Mean (mm/norm.)</b>	<b>Right (mm/norm.)</b>	<b>Left (mm/norm.)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	4.61 (4.085) [3.814, 4.347]	4.46 (3.948) [3.820, 4.346]	4.76 (4.215) [3.790, 4.368]	<b>6.5388</b> [-3.7490, 3.5369]
<i>Lobule I-II</i>	<b>3.18 (2.821)</b> [0.922, 2.530]	<b>3.10 (2.747)</b> [0.920, 2.622]	<b>3.27 (2.897)</b> [0.904, 2.467]	5.3109 [-22.2114, 12.8903]
<i>Lobule III</i>	4.08 (3.617) [2.584, 3.631]	3.91 (3.464) [2.595, 3.692]	<b>4.22 (3.742)</b> [2.507, 3.624]	7.7088 [-14.2286, 9.1315]
<i>Lobule IV</i>	5.17 (4.583) [4.055, 4.623]	5.23 (4.633) [4.079, 4.666]	5.12 (4.536) [3.988, 4.616]	-2.1213 [-6.5592, 3.2827]
<i>Lobule V</i>	5.13 (4.542) [4.055, 4.623]	5.10 (4.522) [4.079, 4.666]	5.15 (4.562) [3.988, 4.616]	0.8834 [-6.5592, 3.2827]
<i>Lobule VI</i>	4.98 (4.415) [4.061, 4.656]	5.06 (4.481) [4.070, 4.691]	4.90 (4.345) [4.014, 4.657]	-3.0888 [-5.9523, 3.8659]
<i>Lobule Crus I</i>	4.56 (4.042) [3.527, 4.450]	4.37 (3.873) [3.501, 4.455]	4.74 (4.199) [3.484, 4.504]	8.0500 [-8.5185, 9.2869]
<i>Lobule Crus II</i>	4.11 (3.640) [3.374, 4.305]	3.92 (3.474) [3.228, 4.297]	4.30 (3.808) [3.406, 4.411]	9.1614 [-8.3840, 16.0694]
<i>Lobule VIIB</i>	4.53 (4.017) [3.769, 4.542]	4.15 (3.681) [3.647, 4.552]	4.84 (4.291) [3.818, 4.594]	<b>15.1777</b> [-5.6496, 10.8395]
<i>Lobule VIIIA</i>	4.67 (4.142) [3.912, 4.514]	4.54 (4.025) [3.921, 4.565]	4.81 (4.263) [3.843, 4.516]	<b>5.7378</b> [-7.8714, 4.8330]
<i>Lobule VIIIB</i>	4.61 (4.089) [3.965, 4.603]	<b>4.24 (3.758)</b> [3.983, 4.670]	4.92 (4.357) [3.842, 4.635]	<b>14.6601</b> [-10.8903, 6.6999]
<i>Lobule IX</i>	4.05 (3.593) [2.908, 4.194]	3.56 (3.150) [2.822, 4.196]	4.50 (3.984) [2.932, 4.242]	<b>23.2044</b> [-8.6185, 13.1799]
<i>Lobule X</i>	4.15 (3.673) [2.908, 4.194]	4.18 (3.708) [2.822, 4.196]	4.11 (3.640) [2.932, 4.242]	-1.8419 [-8.6185, 13.1799]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) and in relative value (measured in relation to the ICV).

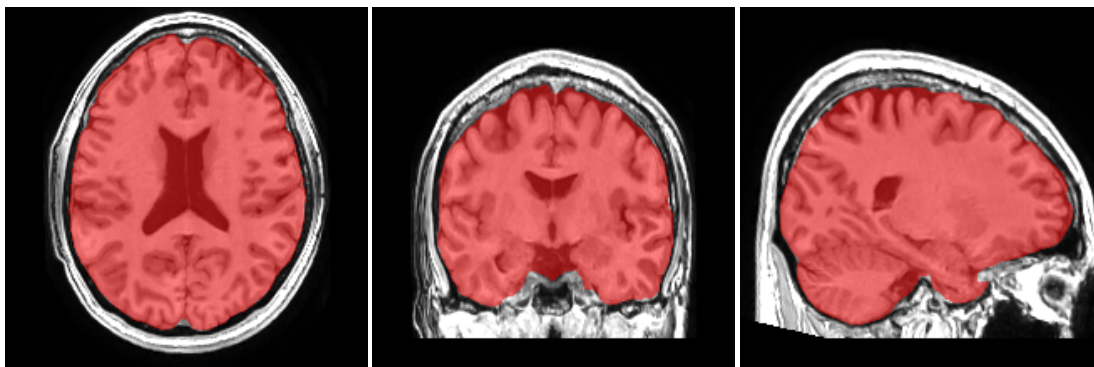
\*The Asymmetry Index is calculated as the difference between right and left volumes divided by their mean (in percent).

\*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).

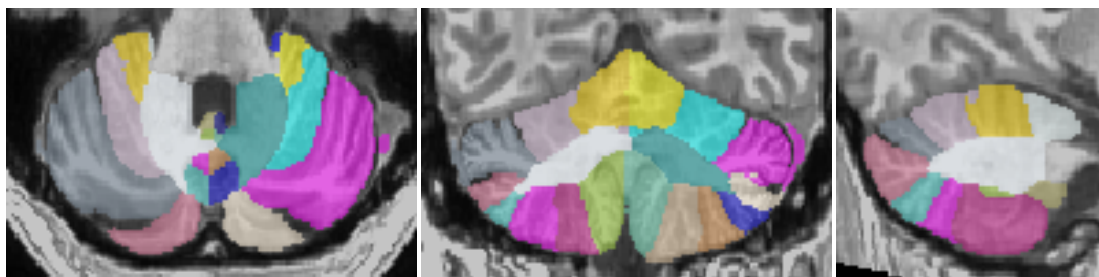
## Intracranial cavity extraction

---



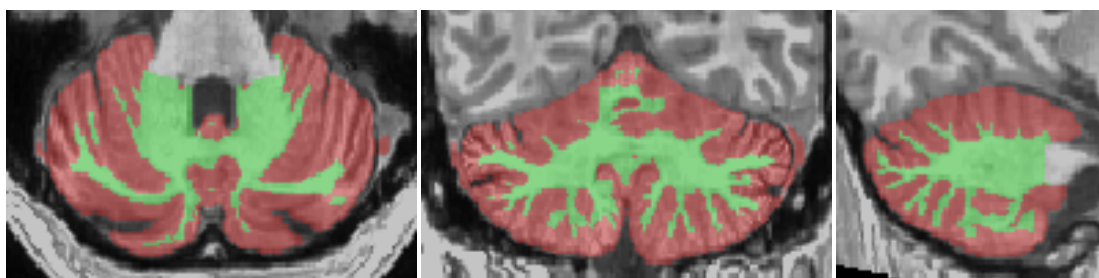
## Lobules segmentation

---



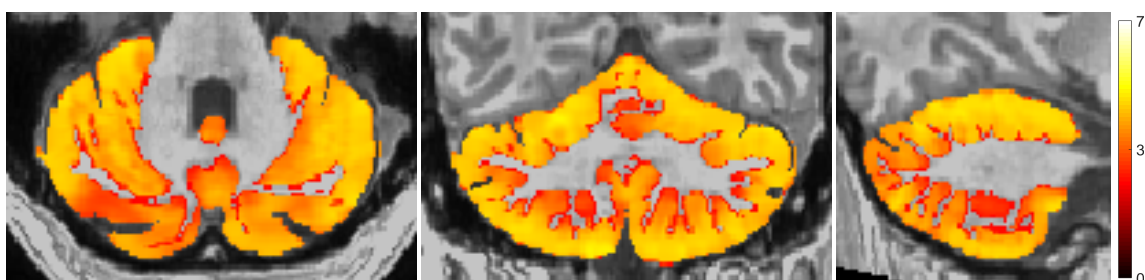
## Tissue classification

---



## Cortical thickness

---



\*All the volumes are presented in absolute value (measured in  $\text{cm}^3$ ) 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).

# CERES Volumetry Report. version 1.0 release 20-06-2016

Patient ID	Sex	Age	Report Date
job12864	Male	55	02-Aug-2016

## Image Information

Orientation	radiological
Scale factor	0.75
SNR	22.97
Total intracranial volume (cm <sup>3</sup> )	1372.87

Volumes	Total (cm <sup>3</sup> /%)	Right (cm <sup>3</sup> /%)	Left (cm <sup>3</sup> /%)	Asym.(%)
<i>Cerebellum</i>	106.45 (7.7537) [7.7416, 10.4017]	54.25 (3.9513) [3.8528, 5.1886]	52.20 (3.8024) [3.8793, 5.2226]	3.8426 [-4.1345, 2.8265]
<i>Lobule I-II</i>	0.09 (0.0063) [0.0040, 0.0129]	0.04 (0.0026) [0.0017, 0.0065]	0.05 (0.0036) [0.0019, 0.0068]	-31.5789 [-45.6057, 34.0186]
<i>Lobule III</i>	1.32 (0.0963) [0.0614, 0.1413]	0.60 (0.0437) [0.0291, 0.0715]	0.72 (0.0527) [0.0300, 0.0721]	-18.7001 [-26.9627, 24.2027]
<i>Lobule IV</i>	2.77 (0.2015) [0.2270, 0.4079]	1.46 (0.1065) [0.1116, 0.2103]	1.30 (0.0950) [0.1060, 0.2071]	11.4441 [-22.4669, 28.0945]
<i>Lobule V</i>	7.53 (0.5483) [0.2270, 0.4079]	3.93 (0.2865) [0.1116, 0.2103]	3.60 (0.2619) [0.1060, 0.2071]	8.9726 [-22.4669, 28.0945]
<i>Lobule VI</i>	13.92 (1.0136) [0.9541, 1.5379]	7.01 (0.5108) [0.4702, 0.7656]	6.90 (0.5029) [0.4692, 0.7871]	1.5601 [-16.6339, 13.7149]
<i>Lobule Crus I</i>	22.00 (1.6026) [1.3923, 2.3231]	11.07 (0.8064) [0.6724, 1.1611]	10.93 (0.7963) [0.6982, 1.1837]	1.2609 [-17.8815, 12.6398]
<i>Lobule Crus II</i>	14.43 (1.0509) [0.7982, 1.4876]	6.87 (0.5002) [0.3836, 0.7428]	7.56 (0.5507) [0.3963, 0.7631]	-9.6243 [-21.9676, 16.3792]
<i>Lobule VIIB</i>	8.16 (0.5947) [0.4677, 0.8436]	4.36 (0.3178) [0.2248, 0.4264]	3.80 (0.2770) [0.2235, 0.4366]	13.7199 [-27.3325, 25.2935]
<i>Lobule VIIIA</i>	10.64 (0.7748) [0.6619, 1.0463]	5.92 (0.4309) [0.3242, 0.5328]	4.72 (0.3439) [0.3143, 0.5369]	22.4647 [-21.5577, 23.1265]
<i>Lobule VIIIB</i>	6.95 (0.5061) [0.4432, 0.7821]	3.67 (0.2676) [0.2143, 0.4092]	3.27 (0.2385) [0.2066, 0.3952]	11.5017 [-23.5761, 30.6435]
<i>Lobule IX</i>	7.11 (0.5180) [0.3544, 0.6851]	3.50 (0.2547) [0.1696, 0.3372]	3.61 (0.2633) [0.1821, 0.3507]	-3.3287 [-17.2595, 6.9081]
<i>Lobule X</i>	1.27 (0.0925) [0.3544, 0.6851]	0.67 (0.0489) [0.1696, 0.3372]	0.60 (0.0437) [0.1821, 0.3507]	11.2760 [-17.2595, 6.9081]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).



<b>Grey matter vol.</b>	<b>Total (cm<sup>3</sup>/%)</b>	<b>Right (cm<sup>3</sup>/%)</b>	<b>Left (cm<sup>3</sup>/%)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	80.21 (5.8428) [5.6734, 7.8465]	40.40 (2.9431) [2.8344, 3.9040]	39.81 (2.8997) [2.8275, 3.9541]	1.4830 [-5.2965, 4.1306]
<i>Lobule I-II</i>	0.05 (0.0034) [0.0023, 0.0078]	0.02 (0.0015) [0.0008, 0.0039]	0.03 (0.0019) [0.0012, 0.0042]	-34.2331 [-81.7162, 48.4823]
<i>Lobule III</i>	0.94 (0.0685) [0.0451, 0.1059]	0.40 (0.0293) [0.0214, 0.0545]	0.54 (0.0392) [0.0217, 0.0533]	-38.0833 [-34.1774, 36.7633]
<i>Lobule IV</i>	2.38 (0.1736) [0.1956, 0.3593]	1.21 (0.0882) [0.0957, 0.1872]	1.17 (0.0854) [0.0911, 0.1809]	4.1952 [-27.5889, 37.4871]
<i>Lobule V</i>	6.25 (0.4554) [0.1956, 0.3593]	3.16 (0.2301) [0.0957, 0.1872]	3.09 (0.2253) [0.0911, 0.1809]	2.7833 [-27.5889, 37.4871]
<i>Lobule VI</i>	11.83 (0.8616) [0.8452, 1.3835]	6.03 (0.4394) [0.4212, 0.6920]	5.80 (0.4222) [0.4102, 0.7054]	5.2923 [-19.7465, 19.6235]
<i>Lobule Crus I</i>	17.60 (1.2819) [1.0849, 1.8885]	8.82 (0.6422) [0.5278, 0.9475]	8.78 (0.6397) [0.5365, 0.9617]	0.5227 [-23.1181, 19.4166]
<i>Lobule Crus II</i>	11.79 (0.8588) [0.6513, 1.2412]	5.52 (0.4022) [0.3105, 0.6208]	6.27 (0.4566) [0.3236, 0.6377]	-16.7937 [-29.1474, 21.4091]
<i>Lobule VIIB</i>	7.22 (0.5255) [0.3913, 0.7292]	3.84 (0.2798) [0.1840, 0.3634]	3.37 (0.2458) [0.1914, 0.3817]	17.1586 [-38.2329, 27.2080]
<i>Lobule VIIIA</i>	9.30 (0.6776) [0.5584, 0.9116]	5.21 (0.3794) [0.2736, 0.4628]	4.09 (0.2982) [0.2652, 0.4683]	31.8196 [-27.4112, 28.7903]
<i>Lobule VIIIB</i>	5.79 (0.4214) [0.3765, 0.6802]	2.98 (0.2168) [0.1808, 0.3543]	2.81 (0.2045) [0.1769, 0.3447]	7.7442 [-30.9696, 36.9668]
<i>Lobule IX</i>	5.61 (0.4085) [0.2774, 0.5450]	2.48 (0.1804) [0.1321, 0.2657]	3.13 (0.2280) [0.1423, 0.2823]	-30.9209 [-25.3892, 8.9027]
<i>Lobule X</i>	1.19 (0.0866) [0.2774, 0.5450]	0.64 (0.0463) [0.1321, 0.2657]	0.55 (0.0403) [0.1423, 0.2823]	18.4941 [-25.3892, 8.9027]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).



<b>Cortical thickness</b>	<b>Mean (mm/norm.)</b>	<b>Right (mm/norm.)</b>	<b>Left (mm/norm.)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	4.44 (3.996) [3.793, 4.327]	4.36 (3.919) [3.801, 4.328]	4.53 (4.075) [3.765, 4.344]	<b>3.9014</b> [-3.8990, 3.3935]
<i>Lobule I-II</i>	1.83 (1.649) [0.914, 2.523]	1.67 (1.507) [0.909, 2.612]	1.94 (1.748) [0.896, 2.460]	<b>14.6039</b> [-21.9393, 13.1942]
<i>Lobule III</i>	3.36 (3.024) [2.582, 3.629]	3.00 (2.701) [2.604, 3.702]	3.63 (3.267) [2.492, 3.610]	<b>18.7016</b> [-15.0122, 8.3690]
<i>Lobule IV</i>	4.78 (4.304) [4.068, 4.637]	4.59 (4.126) [4.099, 4.687]	4.99 (4.488) [3.994, 4.622]	<b>8.4117</b> [-6.8873, 2.9635]
<i>Lobule V</i>	4.63 (4.166) [4.068, 4.637]	<b>4.51 (4.059)</b> [4.099, 4.687]	4.75 (4.276) [3.994, 4.622]	<b>5.2149</b> [-6.8873, 2.9635]
<i>Lobule VI</i>	4.61 (4.150) [4.050, 4.645]	4.64 (4.176) [4.061, 4.683]	4.58 (4.123) [4.000, 4.644]	-1.2911 [-6.0741, 3.7530]
<i>Lobule Crus I</i>	4.03 (3.622) [3.491, 4.415]	4.02 (3.618) [3.472, 4.427]	4.03 (3.627) [3.441, 4.461]	0.2630 [-8.9128, 8.9088]
<i>Lobule Crus II</i>	4.34 (3.902) [3.349, 4.281]	4.01 (3.611) [3.216, 4.285]	4.62 (4.160) [3.370, 4.376]	14.0810 [-9.0017, 15.4738]
<i>Lobule VIIB</i>	4.99 (4.487) [3.732, 4.505]	5.01 (4.506) [3.607, 4.513]	4.96 (4.464) [3.783, 4.559]	-0.9391 [-5.5119, 10.9922]
<i>Lobule VIIIA</i>	4.88 (4.389) [3.892, 4.494]	4.92 (4.422) [3.896, 4.540]	4.83 (4.347) [3.829, 4.502]	-1.7277 [-7.6049, 5.1111]
<i>Lobule VIIIB</i>	4.80 (4.320) [3.962, 4.601]	4.61 (4.148) [3.977, 4.665]	5.01 (4.507) [3.842, 4.636]	<b>8.3212</b> [-10.7349, 6.8713]
<i>Lobule IX</i>	3.89 (3.504) [2.829, 4.117]	3.20 (2.879) [2.732, 4.107]	4.44 (3.994) [2.865, 4.176]	<b>31.8418</b> [-7.9353, 13.8828]
<i>Lobule X</i>	<b>3.13 (2.817)</b> [2.829, 4.117]	3.64 (3.275) [2.732, 4.107]	<b>2.58 (2.320)</b> [2.865, 4.176]	<b>-33.8816</b> [-7.9353, 13.8828]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) and in relative value (measured in relation to the ICV).

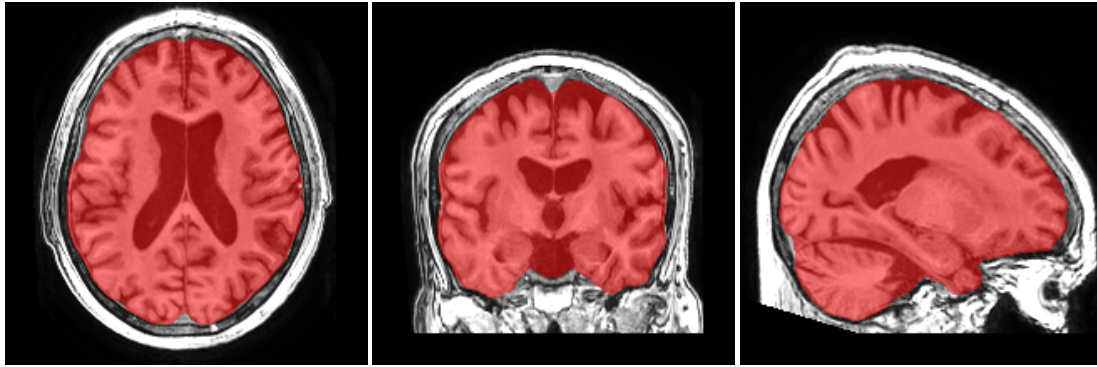
\*The Asymmetry Index is calculated as the difference between right and left volumes divided by their mean (in percent).

\*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).

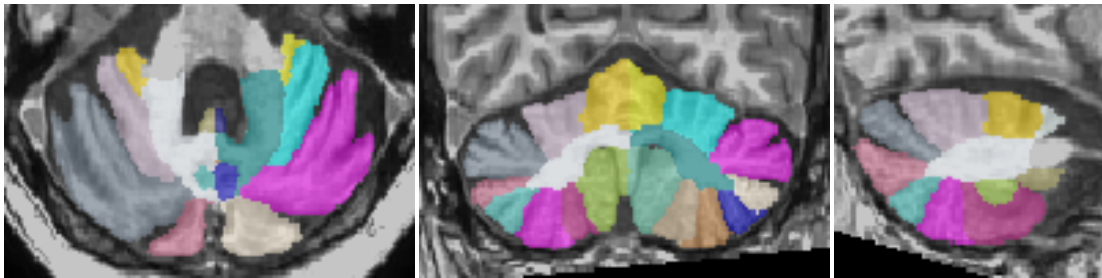
## Intracranial cavity extraction

---



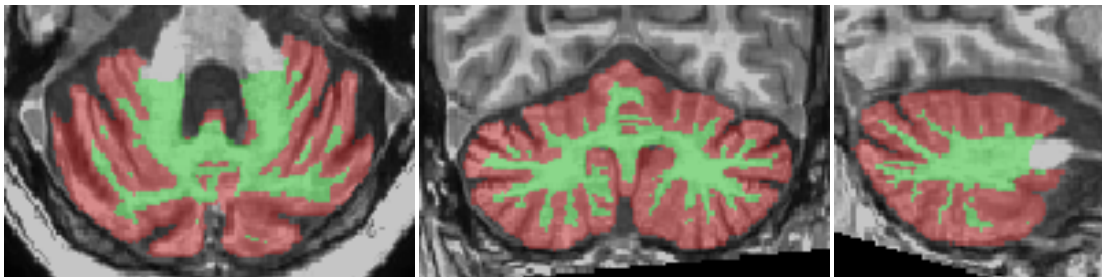
## Lobules segmentation

---



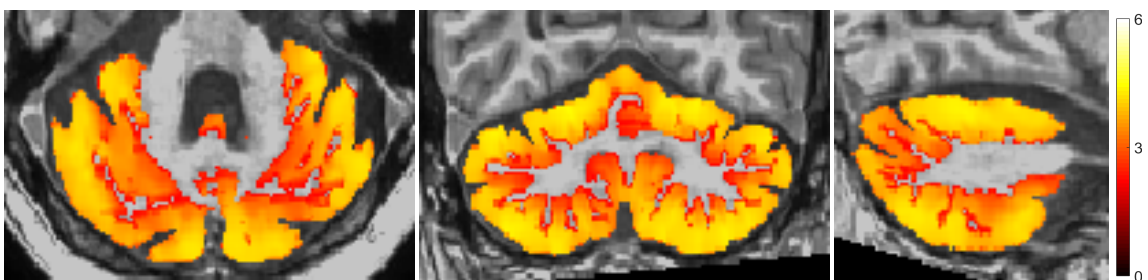
## Tissue classification

---



## Cortical thickness

---



\*All the volumes are presented in absolute value (measured in  $\text{cm}^3$ ) 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).

# CERES Volumetry Report. version 1.0 release 20-06-2016

Patient ID	Sex	Age	Report Date
job12826	Male	38	01-Aug-2016

## Image Information

Orientation	radiological
Scale factor	0.82
SNR	18.42
Total intracranial volume (cm <sup>3</sup> )	1500.40

Volumes	Total (cm <sup>3</sup> /%)	Right (cm <sup>3</sup> /%)	Left (cm <sup>3</sup> /%)	Asym.(%)
<i>Cerebellum</i>	115.54 (7.7008) [8.0708, 10.7283]	57.74 (3.8483) [4.0188, 5.3533]	57.80 (3.8525) [4.0425, 5.3845]	-0.1078 [-4.0612, 2.8929]
<i>Lobule I-II</i>	0.16 (0.0109) [0.0046, 0.0135]	0.07 (0.0048) [0.0020, 0.0067]	0.09 (0.0062) [0.0022, 0.0071]	-26.0000 [-47.3057, 32.2392]
<i>Lobule III</i>	1.34 (0.0894) [0.0659, 0.1458]	0.65 (0.0436) [0.0313, 0.0737]	0.69 (0.0459) [0.0324, 0.0743]	-5.1282 [-27.2193, 23.8951]
<i>Lobule IV</i>	3.17 (0.2114) [0.2447, 0.4255]	1.47 (0.0980) [0.1190, 0.2176]	1.70 (0.1134) [0.1163, 0.2173]	-14.5182 [-24.1500, 26.3610]
<i>Lobule V</i>	7.99 (0.5323) [0.2447, 0.4255]	3.64 (0.2427) [0.1190, 0.2176]	4.34 (0.2896) [0.1163, 0.2173]	-17.6036 [-24.1500, 26.3610]
<i>Lobule VI</i>	18.13 (1.2081) [1.0104, 1.5937]	9.67 (0.6443) [0.5030, 0.7981]	8.46 (0.5638) [0.4928, 0.8103]	13.3249 [-15.3260, 14.9926]
<i>Lobule Crus I</i>	20.41 (1.3600) [1.4648, 2.3947]	10.71 (0.7140) [0.7074, 1.1956]	9.69 (0.6461) [0.7357, 1.2207]	9.9896 [-18.0774, 12.4135]
<i>Lobule Crus II</i>	16.65 (1.1094) [0.8450, 1.5338]	8.04 (0.5359) [0.4054, 0.7643]	8.61 (0.5735) [0.4214, 0.7878]	-6.7927 [-22.5420, 15.7666]
<i>Lobule VII B</i>	8.59 (0.5726) [0.4934, 0.8689]	4.10 (0.2730) [0.2374, 0.4387]	4.49 (0.2995) [0.2367, 0.4495]	-9.2513 [-27.5889, 24.9847]
<i>Lobule VII A</i>	12.32 (0.8208) [0.7048, 1.0889]	6.14 (0.4093) [0.3476, 0.5560]	6.17 (0.4115) [0.3339, 0.5562]	-0.5189 [-20.6406, 23.9990]
<i>Lobule VII B</i>	7.08 (0.4716) [0.4626, 0.8012]	3.47 (0.2314) [0.2257, 0.4203]	3.61 (0.2403) [0.2147, 0.4031]	-3.7745 [-22.6187, 31.5469]
<i>Lobule IX</i>	7.20 (0.4797) [0.3761, 0.7065]	3.47 (0.2315) [0.1791, 0.3466]	3.72 (0.2481) [0.1942, 0.3627]	-6.9217 [-17.9275, 6.2160]
<i>Lobule X</i>	1.03 (0.0690) [0.3761, 0.7065]	0.50 (0.0334) [0.1791, 0.3466]	0.53 (0.0356) [0.1942, 0.3627]	-6.4925 [-17.9275, 6.2160]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).

<b>Grey matter vol.</b>	<b>Total (cm<sup>3</sup>/%)</b>	<b>Right (cm<sup>3</sup>/%)</b>	<b>Left (cm<sup>3</sup>/%)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	<b>85.47 (5.6962)</b> [5.9598, 8.1307]	<b>42.84 (2.8551)</b> [2.9782, 4.0468]	<b>42.63 (2.8412)</b> [2.9700, 4.0955]	0.4889 [-5.2479, 4.1698]
<i>Lobule I-II</i>	0.10 (0.0067) [0.0025, 0.0080]	0.04 (0.0029) [0.0009, 0.0040]	0.06 (0.0038) [0.0013, 0.0044]	-32.0136 [-84.7259, 45.3429]
<i>Lobule III</i>	1.09 (0.0724) [0.0480, 0.1088]	0.53 (0.0354) [0.0228, 0.0559]	0.55 (0.0369) [0.0232, 0.0548]	-4.9742 [-34.8233, 36.0467]
<i>Lobule IV</i>	<b>2.86 (0.1905)</b> [0.2101, 0.3737]	<b>1.34 (0.0890)</b> [0.1016, 0.1930]	1.52 (0.1015) [0.0997, 0.1895]	-16.0217 [-30.0691, 34.9420]
<i>Lobule V</i>	<b>6.98 (0.4653)</b> [0.2101, 0.3737]	<b>3.27 (0.2177)</b> [0.1016, 0.1930]	<b>3.71 (0.2476)</b> [0.0997, 0.1895]	-15.6701 [-30.0691, 34.9420]
<i>Lobule VI</i>	16.13 (1.0748) [0.8977, 1.4356]	8.75 (0.5832) [0.4514, 0.7220]	7.38 (0.4916) [0.4325, 0.7274]	20.8112 [-18.2262, 21.1045]
<i>Lobule Crus I</i>	<b>17.11 (1.1402)</b> [1.1478, 1.9506]	9.24 (0.6156) [0.5570, 0.9762]	<b>7.87 (0.5246)</b> [0.5702, 0.9950]	<b>19.4769</b> [-23.7803, 18.7120]
<i>Lobule Crus II</i>	13.11 (0.8734) [0.6965, 1.2859]	6.36 (0.4241) [0.3319, 0.6419]	6.74 (0.4493) [0.3474, 0.6612]	-7.0354 [-29.5995, 20.9066]
<i>Lobule VIIB</i>	6.98 (0.4653) [0.4165, 0.7540]	3.14 (0.2095) [0.1963, 0.3755]	3.84 (0.2557) [0.2043, 0.3944]	-24.2385 [-38.2889, 27.0867]
<i>Lobule VIIIA</i>	9.97 (0.6644) [0.5996, 0.9525]	4.89 (0.3262) [0.2964, 0.4854]	5.07 (0.3382) [0.2837, 0.4867]	-4.3937 [-26.0094, 30.1360]
<i>Lobule VIIIB</i>	<b>4.92 (0.3280)</b> [0.3933, 0.6967]	<b>2.29 (0.1529)</b> [0.1909, 0.3642]	<b>2.63 (0.1751)</b> [0.1836, 0.3513]	-16.5391 [-29.4832, 38.3854]
<i>Lobule IX</i>	5.04 (0.3362) [0.2965, 0.5637]	2.41 (0.1607) [0.1406, 0.2741]	2.63 (0.1755) [0.1529, 0.2927]	-10.7856 [-26.0116, 8.2461]
<i>Lobule X</i>	<b>0.97 (0.0646)</b> [0.2965, 0.5637]	<b>0.47 (0.0314)</b> [0.1406, 0.2741]	<b>0.50 (0.0332)</b> [0.1529, 0.2927]	-6.8093 [-26.0116, 8.2461]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).

<b>Cortical thickness</b>	<b>Mean (mm/norm.)</b>	<b>Right (mm/norm.)</b>	<b>Left (mm/norm.)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	4.46 (3.892) [3.816, 4.348]	4.49 (3.924) [3.821, 4.347]	4.42 (3.860) [3.791, 4.369]	-1.6383 [-3.7347, 3.5505]
<i>Lobule I-II</i>	2.03 (1.771) [0.925, 2.533]	2.06 (1.797) [0.923, 2.624]	2.01 (1.752) [0.907, 2.470]	-2.5375 [-22.2200, 12.8785]
<i>Lobule III</i>	3.81 (3.331) [2.587, 3.633]	4.02 (3.509) [2.596, 3.693]	3.62 (3.160) [2.510, 3.626]	-10.4782 [-14.1913, 9.1666]
<i>Lobule IV</i>	5.09 (4.445) [4.055, 4.623]	5.07 (4.426) [4.079, 4.666]	5.11 (4.463) [3.989, 4.617]	0.8415 [-6.5327, 3.3083]
<i>Lobule V</i>	5.09 (4.449) [4.055, 4.623]	5.16 (4.511) [4.079, 4.666]	5.03 (4.394) [3.989, 4.617]	-2.6290 [-6.5327, 3.3083]
<i>Lobule VI</i>	4.99 (4.362) [4.063, 4.658]	5.07 (4.430) [4.072, 4.693]	4.91 (4.285) [4.016, 4.659]	-3.3179 [-5.9389, 3.8784]
<i>Lobule Crus I</i>	4.61 (4.023) [3.529, 4.453]	4.75 (4.148) [3.503, 4.456]	4.44 (3.876) [3.488, 4.507]	-6.7646 [-8.4849, 9.3189]
<i>Lobule Crus II</i>	3.88 (3.392) [3.373, 4.304]	3.89 (3.400) [3.225, 4.294]	3.88 (3.386) [3.406, 4.411]	-0.4151 [-8.2926, 16.1586]
<i>Lobule VIIB</i>	4.53 (3.955) [3.770, 4.542]	4.34 (3.790) [3.648, 4.552]	4.68 (4.091) [3.818, 4.594]	7.6100 [-5.6427, 10.8449]
<i>Lobule VIIIA</i>	4.66 (4.068) [3.913, 4.514]	4.62 (4.039) [3.923, 4.566]	4.69 (4.096) [3.844, 4.516]	1.4101 [-7.8955, 4.8078]
<i>Lobule VIIIB</i>	3.80 (3.318) [3.966, 4.604]	3.76 (3.287) [3.984, 4.672]	3.83 (3.345) [3.842, 4.635]	1.7458 [-10.9210, 6.6676]
<i>Lobule IX</i>	3.25 (2.835) [2.916, 4.202]	3.00 (2.616) [2.832, 4.206]	3.47 (3.035) [2.938, 4.248]	14.7544 [-8.7157, 13.0807]
<i>Lobule X</i>	2.32 (2.025) [2.916, 4.202]	2.37 (2.066) [2.832, 4.206]	2.28 (1.988) [2.938, 4.248]	-3.8518 [-8.7157, 13.0807]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) and in relative value (measured in relation to the ICV).

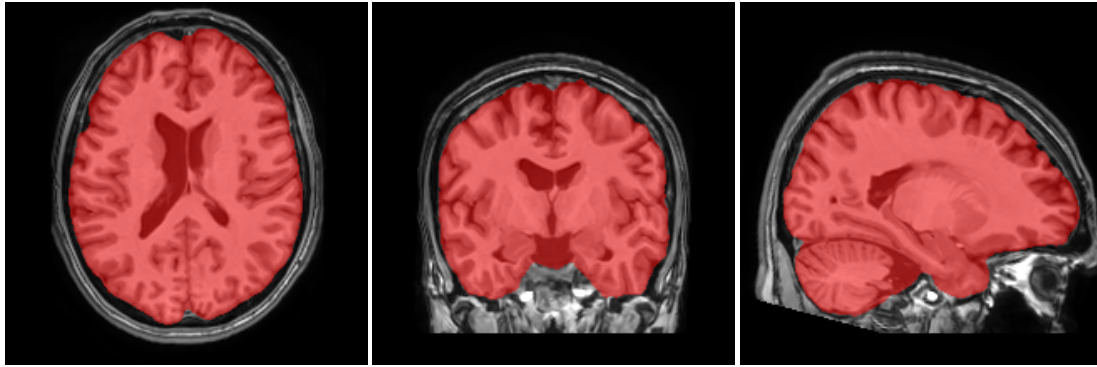
\*The Asymmetry Index is calculated as the difference between right and left volumes divided by their mean (in percent).

\*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).

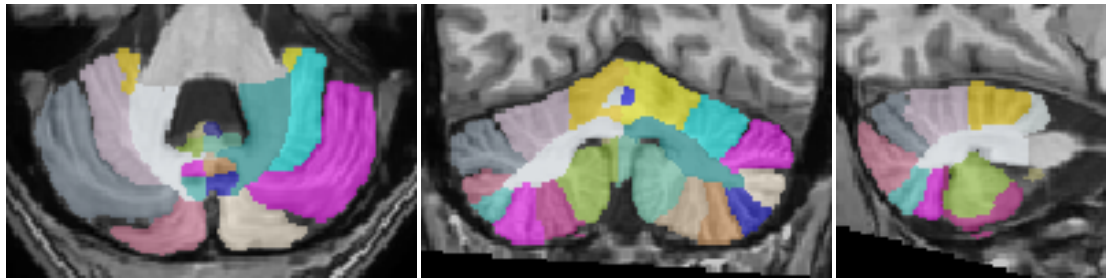
## Intracranial cavity extraction

---



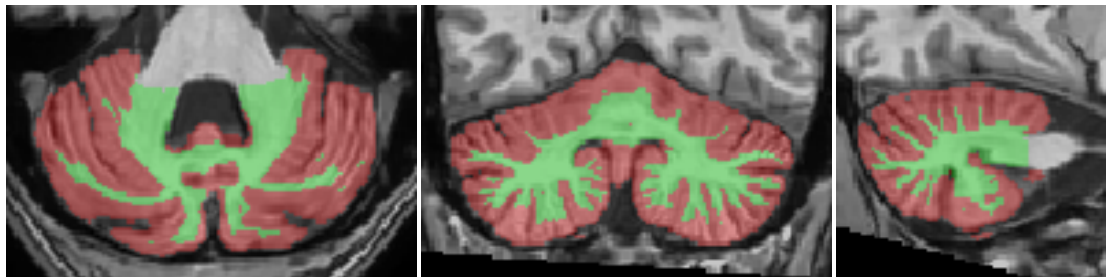
## Lobules segmentation

---



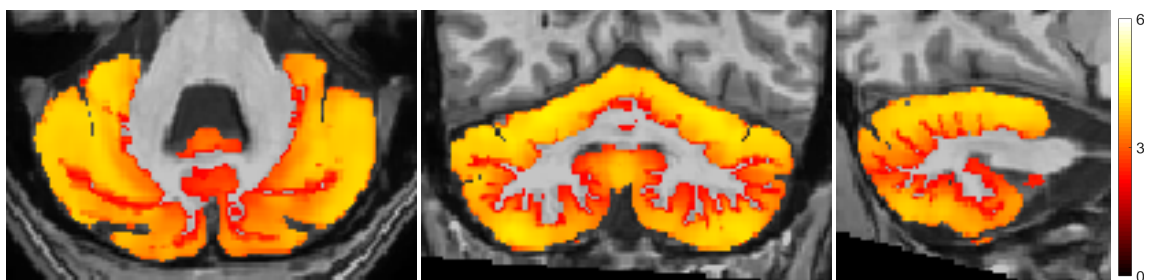
## Tissue classification

---



## Cortical thickness

---



*\*All the volumes are presented in absolute value (measured in  $\text{cm}^3$ ) 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).*

# CERES Volumetry Report. version 1.0 release 20-06-2016

Patient ID	Sex	Age	Report Date
job12865	Male	63	02-Aug-2016

## Image Information

Orientation	radiological
Scale factor	0.68
SNR	23.62
Total intracranial volume (cm <sup>3</sup> )	1254.15

Volumes	Total (cm <sup>3</sup> /%)	Right (cm <sup>3</sup> /%)	Left (cm <sup>3</sup> /%)	Asym.(%)
<i>Cerebellum</i>	94.25 (7.5151) [7.5411, 10.2009]	48.64 (3.8783) [3.7513, 5.0870]	45.61 (3.6368) [3.7802, 5.1234]	6.4254 [-4.2046, 2.7555]
<i>Lobule I-II</i>	0.07 (0.0053) [0.0038, 0.0127]	0.04 (0.0029) [0.0016, 0.0064]	0.03 (0.0024) [0.0018, 0.0067]	18.5567 [-46.3496, 33.2643]
<i>Lobule III</i>	0.99 (0.0786) [0.0584, 0.1383]	0.46 (0.0365) [0.0276, 0.0701]	0.53 (0.0422) [0.0285, 0.0705]	-14.4928 [-26.9660, 24.1928]
<i>Lobule IV</i>	3.57 (0.2850) [0.2196, 0.4006]	1.77 (0.1413) [0.1084, 0.2071]	1.80 (0.1438) [0.1018, 0.2029]	-1.7517 [-21.8238, 28.7310]
<i>Lobule V</i>	7.09 (0.5649) [0.2196, 0.4006]	3.69 (0.2944) [0.1084, 0.2071]	3.39 (0.2706) [0.1018, 0.2029]	8.4150 [-21.8238, 28.7310]
<i>Lobule VI</i>	13.86 (1.1053) [0.9285, 1.5122]	7.10 (0.5664) [0.4573, 0.7526]	6.76 (0.5389) [0.4565, 0.7743]	4.9786 [-16.6046, 13.7403]
<i>Lobule Crus I</i>	20.09 (1.6016) [1.3488, 2.2795]	10.08 (0.8037) [0.6509, 1.1396]	10.01 (0.7979) [0.6762, 1.1616]	0.7251 [-17.8798, 12.6375]
<i>Lobule Crus II</i>	12.65 (1.0090) [0.7719, 1.4613]	6.77 (0.5398) [0.3713, 0.7305]	5.88 (0.4691) [0.3823, 0.7490]	14.0060 [-21.6930, 16.6488]
<i>Lobule VIIB</i>	7.27 (0.5793) [0.4541, 0.8299]	3.58 (0.2854) [0.2165, 0.4180]	3.69 (0.2939) [0.2182, 0.4312]	-2.9415 [-28.3702, 24.2490]
<i>Lobule VIIIA</i>	8.58 (0.6842) [0.6426, 1.0270]	4.38 (0.3496) [0.3140, 0.5226]	4.20 (0.3346) [0.3052, 0.5278]	4.3944 [-21.8665, 22.8119]
<i>Lobule VIIIB</i>	5.75 (0.4586) [0.4300, 0.7690]	3.17 (0.2528) [0.2075, 0.4023]	2.58 (0.2058) [0.2003, 0.3889]	20.5183 [-23.6979, 30.5147]
<i>Lobule IX</i>	5.44 (0.4334) [0.3377, 0.6683]	2.85 (0.2275) [0.1621, 0.3297]	2.58 (0.2058) [0.1728, 0.3414]	10.0175 [-16.6991, 7.4654]
<i>Lobule X</i>	1.05 (0.0834) [0.3377, 0.6683]	0.53 (0.0425) [0.1621, 0.3297]	0.51 (0.0409) [0.1728, 0.3414]	3.7736 [-16.6991, 7.4654]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).



<b>Grey matter vol.</b>	<b>Total (<math>cm^3/\%</math>)</b>	<b>Right (<math>cm^3/\%</math>)</b>	<b>Left (<math>cm^3/\%</math>)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	71.53 (5.7033) [5.5265, 7.6993]	36.40 (2.9021) [2.7600, 3.8294]	35.13 (2.8012) [2.7550, 3.8814]	3.5359 [-5.3785, 4.0474]
<i>Lobule I-II</i>	0.06 (0.0050) [0.0023, 0.0078]	0.03 (0.0027) [0.0008, 0.0039]	0.03 (0.0024) [0.0012, 0.0042]	15.7987 [-83.9163, 46.2654]
<i>Lobule III</i>	0.83 (0.0659) [0.0433, 0.1041]	0.35 (0.0278) [0.0206, 0.0537]	0.48 (0.0381) [0.0207, 0.0524]	-45.9906 [-33.6026, 37.3289]
<i>Lobule IV</i>	3.25 (0.2588) [0.1904, 0.3541]	1.58 (0.1258) [0.0936, 0.1851]	1.67 (0.1330) [0.0880, 0.1778]	-8.1952 [-26.6989, 38.3687]
<i>Lobule V</i>	6.14 (0.4898) [0.1904, 0.3541]	3.16 (0.2517) [0.0936, 0.1851]	2.99 (0.2381) [0.0880, 0.1778]	8.1391 [-26.6989, 38.3687]
<i>Lobule VI</i>	11.94 (0.9518) [0.8225, 1.3607]	6.34 (0.5051) [0.4097, 0.6804]	5.60 (0.4467) [0.3990, 0.6942]	18.0445 [-19.6665, 19.6984]
<i>Lobule Crus I</i>	15.81 (1.2605) [1.0548, 1.8583]	7.92 (0.6312) [0.5124, 0.9320]	7.89 (0.6292) [0.5217, 0.9470]	0.4681 [-23.3092, 19.2200]
<i>Lobule Crus II</i>	9.95 (0.7930) [0.6242, 1.2140]	5.44 (0.4334) [0.2971, 0.6073]	4.51 (0.3595) [0.3099, 0.6239]	27.3906 [-29.1868, 21.3631]
<i>Lobule VIIB</i>	6.11 (0.4873) [0.3758, 0.7136]	3.00 (0.2389) [0.1751, 0.3545]	3.12 (0.2484) [0.1847, 0.3750]	-5.7593 [-39.4799, 25.9525]
<i>Lobule VIIIA</i>	7.14 (0.5696) [0.5397, 0.8929]	3.65 (0.2914) [0.2639, 0.4530]	3.49 (0.2782) [0.2563, 0.4595]	6.7753 [-27.7364, 28.4577]
<i>Lobule VIIIB</i>	4.54 (0.3623) [0.3653, 0.6690]	2.33 (0.1861) [0.1754, 0.3488]	2.21 (0.1762) [0.1711, 0.3389]	8.0110 [-30.7246, 37.2029]
<i>Lobule IX</i>	4.39 (0.3503) [0.2674, 0.5349]	1.98 (0.1576) [0.1280, 0.2616]	2.42 (0.1927) [0.1363, 0.2763]	-29.4539 [-24.4571, 9.8304]
<i>Lobule X</i>	1.00 (0.0798) [0.2674, 0.5349]	0.51 (0.0406) [0.1280, 0.2616]	0.49 (0.0392) [0.1363, 0.2763]	4.9942 [-24.4571, 9.8304]

\*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).



<b>Cortical thickness</b>	<b>Mean (mm/norm.)</b>	<b>Right (mm/norm.)</b>	<b>Left (mm/norm.)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	4.41 (4.087) [3.783, 4.316]	4.36 (4.043) [3.792, 4.318]	4.46 (4.134) [3.755, 4.334]	2.2089 [-3.9184, 3.3731]
<i>Lobule I-II</i>	3.07 (2.845) [0.936, 2.545]	2.51 (2.326) [0.928, 2.631]	3.65 (3.385) [0.920, 2.484]	37.2192 [-21.7058, 13.4231]
<i>Lobule III</i>	3.89 (3.605) [2.605, 3.652]	3.62 (3.356) [2.634, 3.732]	4.08 (3.788) [2.506, 3.623]	11.9758 [-15.5339, 7.8442]
<i>Lobule IV</i>	4.97 (4.607) [4.086, 4.654]	5.06 (4.691) [4.119, 4.707]	4.88 (4.525) [4.009, 4.637]	-3.5917 [-6.9825, 2.8671]
<i>Lobule V</i>	4.95 (4.593) [4.086, 4.654]	5.05 (4.680) [4.119, 4.707]	4.85 (4.501) [4.009, 4.637]	-3.8989 [-6.9825, 2.8671]
<i>Lobule VI</i>	4.73 (4.389) [4.054, 4.650]	4.87 (4.519) [4.066, 4.687]	4.57 (4.242) [4.005, 4.649]	-6.3047 [-6.0684, 3.7575]
<i>Lobule Crus I</i>	4.22 (3.912) [3.476, 4.400]	4.16 (3.857) [3.460, 4.414]	4.28 (3.966) [3.424, 4.445]	2.7940 [-9.0064, 8.8128]
<i>Lobule Crus II</i>	4.24 (3.933) [3.305, 4.237]	4.22 (3.916) [3.167, 4.236]	4.26 (3.953) [3.330, 4.336]	0.9572 [-8.7118, 15.7606]
<i>Lobule VIIB</i>	4.62 (4.284) [3.692, 4.465]	4.61 (4.277) [3.563, 4.468]	4.63 (4.291) [3.747, 4.524]	0.3254 [-5.2661, 11.2358]
<i>Lobule VIIIA</i>	4.34 (4.022) [3.879, 4.480]	4.36 (4.046) [3.881, 4.525]	4.31 (3.996) [3.817, 4.490]	-1.2495 [-7.5543, 5.1600]
<i>Lobule VIIIB</i>	4.22 (3.915) [3.966, 4.605]	3.91 (3.627) [3.984, 4.672]	4.56 (4.227) [3.842, 4.636]	15.3401 [-10.8925, 6.7114]
<i>Lobule IX</i>	3.90 (3.618) [2.827, 4.114]	3.02 (2.802) [2.734, 4.109]	4.75 (4.408) [2.858, 4.169]	44.4016 [-8.2074, 13.6079]
<i>Lobule X</i>	2.79 (2.585) [2.827, 4.114]	2.77 (2.565) [2.734, 4.109]	2.81 (2.605) [2.858, 4.169]	1.5436 [-8.2074, 13.6079]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) and in relative value (measured in relation to the ICV).

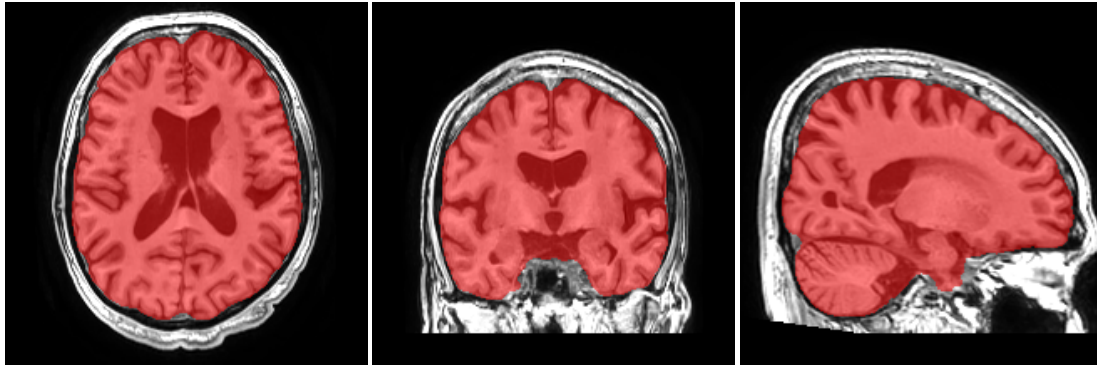
\*The Asymmetry Index is calculated as the difference between right and left volumes divided by their mean (in percent).

\*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).

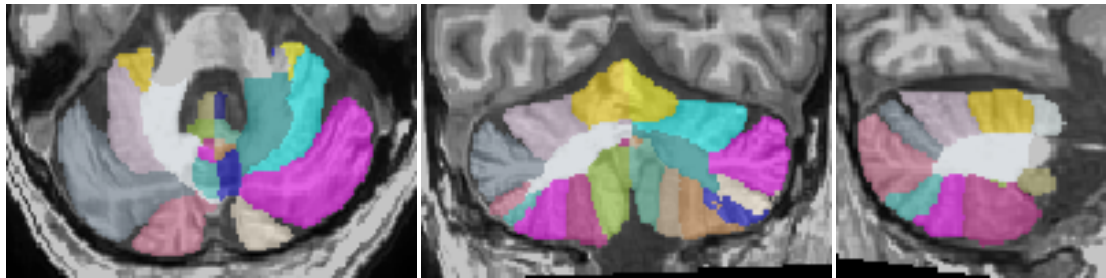
## Intracranial cavity extraction

---



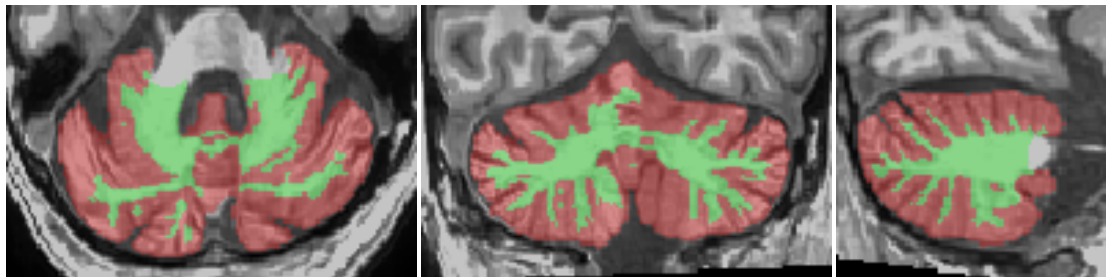
## Lobules segmentation

---



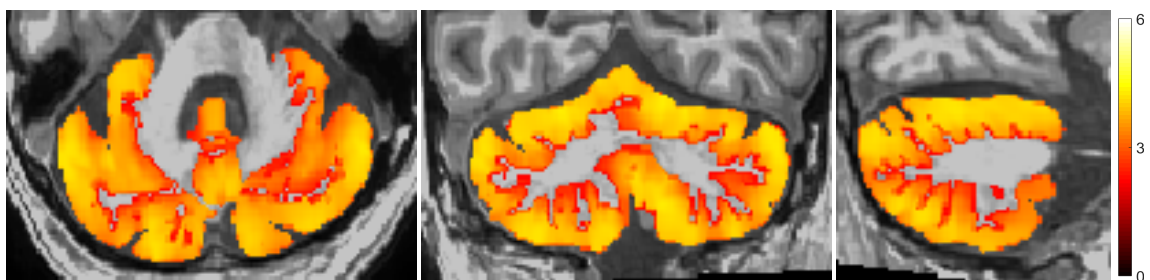
## Tissue classification

---



## Cortical thickness

---



\*All the volumes are presented in absolute value (measured in  $\text{cm}^3$ ) 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).

# CERES Volumetry Report. version 1.0 release 20-06-2016

Patient ID	Sex	Age	Report Date
job12829	Female	41	01-Aug-2016

## Image Information

Orientation	radiological
Scale factor	0.63
SNR	15.92
Total intracranial volume (cm <sup>3</sup> )	1113.88

Volumes	Total (cm <sup>3</sup> /%)	Right (cm <sup>3</sup> /%)	Left (cm <sup>3</sup> /%)	Asym.(%)
<i>Cerebellum</i>	68.27 (6.1290) [8.2140, 11.0022]	33.81 (3.0355) [4.0787, 5.4982]	34.46 (3.0935) [4.1263, 5.5130]	-1.8933 [-4.1241, 2.7942]
<i>Lobule I-II</i>	0.08 (0.0073) [0.0039, 0.0149]	0.04 (0.0035) [0.0018, 0.0071]	0.04 (0.0038) [0.0019, 0.0081]	-9.3750 [-49.3841, 25.7470]
<i>Lobule III</i>	0.84 (0.0756) [0.0643, 0.1471]	0.39 (0.0348) [0.0305, 0.0741]	0.45 (0.0408) [0.0318, 0.0748]	-15.7776 [-26.3934, 22.0899]
<i>Lobule IV</i>	2.05 (0.1837) [0.2453, 0.4303]	1.04 (0.0934) [0.1199, 0.2209]	1.00 (0.0902) [0.1159, 0.2188]	3.5240 [-23.6718, 27.6630]
<i>Lobule V</i>	6.03 (0.5412) [0.2453, 0.4303]	2.90 (0.2607) [0.1199, 0.2209]	3.12 (0.2805) [0.1159, 0.2188]	-7.3219 [-23.6718, 27.6630]
<i>Lobule VI</i>	12.35 (1.1090) [1.0301, 1.6645]	6.12 (0.5490) [0.5017, 0.8308]	6.24 (0.5599) [0.5114, 0.8507]	-1.9658 [-18.3192, 13.9812]
<i>Lobule Crus I</i>	12.74 (1.1435) [1.4850, 2.4562]	6.21 (0.5574) [0.7299, 1.2279]	6.53 (0.5861) [0.7407, 1.2427]	-5.0243 [-13.7595, 11.0500]
<i>Lobule Crus II</i>	6.85 (0.6150) [0.9209, 1.5779]	3.27 (0.2934) [0.4472, 0.7866]	3.58 (0.3216) [0.4561, 0.8089]	-9.1757 [-20.9343, 15.8640]
<i>Lobule VIIB</i>	4.19 (0.3760) [0.5279, 0.8858]	2.14 (0.1925) [0.2534, 0.4436]	2.04 (0.1835) [0.2607, 0.4559]	4.7411 [-23.5969, 18.1655]
<i>Lobule VIIIA</i>	6.69 (0.6008) [0.6551, 1.0758]	3.57 (0.3202) [0.3177, 0.5562]	3.13 (0.2806) [0.3174, 0.5397]	13.1922 [-19.7613, 23.5185]
<i>Lobule VIIIB</i>	4.61 (0.4136) [0.4525, 0.7470]	2.27 (0.2036) [0.2208, 0.3827]	2.34 (0.2099) [0.2163, 0.3797]	-3.0474 [-22.3081, 25.1233]
<i>Lobule IX</i>	4.37 (0.3927) [0.3811, 0.7441]	2.13 (0.1914) [0.1823, 0.3684]	2.24 (0.2013) [0.1965, 0.3780]	-5.0600 [-16.2732, 7.1605]
<i>Lobule X</i>	0.75 (0.0676) [0.3811, 0.7441]	0.38 (0.0342) [0.1823, 0.3684]	0.37 (0.0333) [0.1965, 0.3780]	2.6891 [-16.2732, 7.1605]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).

<b>Grey matter vol.</b>	<b>Total (cm<sup>3</sup>/%)</b>	<b>Right (cm<sup>3</sup>/%)</b>	<b>Left (cm<sup>3</sup>/%)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	46.53 (4.1772) [5.9196, 8.2154]	23.19 (2.0815) [2.9523, 4.1069]	23.34 (2.0957) [2.9569, 4.1188]	-0.6796 [-4.6876, 4.2466]
<i>Lobule I-II</i>	0.04 (0.0040) [0.0022, 0.0090]	0.02 (0.0020) [0.0008, 0.0042]	0.02 (0.0019) [0.0010, 0.0051]	9.0363 [-97.2209, 41.1933]
<i>Lobule III</i>	0.53 (0.0475) [0.0454, 0.1085]	0.24 (0.0214) [0.0217, 0.0552]	0.29 (0.0261) [0.0221, 0.0549]	-31.3625 [-37.9681, 37.0937]
<i>Lobule IV</i>	1.54 (0.1382) [0.2091, 0.3735]	0.80 (0.0718) [0.1024, 0.1936]	0.74 (0.0664) [0.0981, 0.1885]	12.4741 [-33.2305, 42.7913]
<i>Lobule V</i>	4.25 (0.3816) [0.2091, 0.3735]	2.13 (0.1913) [0.1024, 0.1936]	2.12 (0.1904) [0.0981, 0.1885]	0.7528 [-33.2305, 42.7913]
<i>Lobule VI</i>	10.36 (0.9298) [0.9042, 1.4825]	5.08 (0.4559) [0.4440, 0.7452]	5.28 (0.4739) [0.4446, 0.7530]	-6.1408 [-24.2627, 22.5648]
<i>Lobule Crus I</i>	10.36 (0.9303) [1.1398, 1.9834]	5.23 (0.4700) [0.5626, 0.9928]	5.13 (0.4604) [0.5618, 1.0060]	3.2617 [-22.4475, 20.2870]
<i>Lobule Crus II</i>	5.19 (0.4658) [0.7416, 1.3080]	2.45 (0.2200) [0.3628, 0.6517]	2.74 (0.2458) [0.3637, 0.6714]	-17.5020 [-30.3669, 24.6381]
<i>Lobule VIIB</i>	3.37 (0.3029) [0.4378, 0.7553]	1.67 (0.1498) [0.2078, 0.3743]	1.71 (0.1532) [0.2184, 0.3926]	-3.5563 [-37.0843, 23.4735]
<i>Lobule VIIIA</i>	5.14 (0.4616) [0.5494, 0.9232]	2.76 (0.2474) [0.2691, 0.4769]	2.39 (0.2143) [0.2644, 0.4623]	22.6768 [-26.2177, 33.7204]
<i>Lobule VIIIB</i>	2.73 (0.2451) [0.3721, 0.6407]	1.34 (0.1201) [0.1809, 0.3285]	1.39 (0.1250) [0.1774, 0.3260]	-6.2272 [-33.2310, 37.3829]
<i>Lobule IX</i>	2.35 (0.2106) [0.2925, 0.5811]	1.12 (0.1009) [0.1400, 0.2855]	1.22 (0.1097) [0.1498, 0.2983]	-13.1282 [-27.0712, 12.0153]
<i>Lobule X</i>	0.60 (0.0535) [0.2925, 0.5811]	0.31 (0.0281) [0.1400, 0.2855]	0.28 (0.0254) [0.1498, 0.2983]	16.1157 [-27.0712, 12.0153]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).

<b>Cortical thickness</b>	<b>Mean (mm/norm.)</b>	<b>Right (mm/norm.)</b>	<b>Left (mm/norm.)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	3.73 (3.601) [3.887, 4.408]	3.73 (3.601) [3.888, 4.426]	3.73 (3.601) [3.855, 4.419]	0.0064 [-4.7714, 3.7956]
<i>Lobule I-II</i>	1.34 (1.296) [0.820, 2.712]	1.40 (1.348) [0.799, 2.823]	1.26 (1.219) [0.799, 2.647]	-9.8898 [-24.7247, 15.4812]
<i>Lobule III</i>	2.34 (2.260) [2.580, 3.792]	2.35 (2.266) [2.579, 3.862]	2.34 (2.255) [2.512, 3.776]	-0.5025 [-14.9061, 10.0788]
<i>Lobule IV</i>	3.38 (3.265) [4.141, 4.787]	3.70 (3.573) [4.166, 4.847]	3.03 (2.923) [4.066, 4.770]	-19.9198 [-7.5347, 3.5341]
<i>Lobule V</i>	3.43 (3.305) [4.141, 4.787]	3.55 (3.421) [4.166, 4.847]	3.30 (3.188) [4.066, 4.770]	-7.0479 [-7.5347, 3.5341]
<i>Lobule VI</i>	4.37 (4.218) [4.160, 4.775]	4.40 (4.242) [4.148, 4.826]	4.35 (4.194) [4.128, 4.766]	-1.1243 [-6.1009, 4.3209]
<i>Lobule Crus I</i>	4.27 (4.122) [3.589, 4.481]	4.45 (4.289) [3.544, 4.504]	4.10 (3.954) [3.540, 4.542]	-8.1254 [-9.8505, 10.7136]
<i>Lobule Crus II</i>	3.52 (3.391) [3.395, 4.359]	3.21 (3.094) [3.229, 4.388]	3.79 (3.658) [3.421, 4.455]	16.6409 [-10.7493, 17.4847]
<i>Lobule VIIB</i>	3.81 (3.673) [3.785, 4.681]	3.69 (3.555) [3.653, 4.737]	3.93 (3.787) [3.833, 4.697]	6.3015 [-8.0132, 11.3877]
<i>Lobule VIIIA</i>	3.90 (3.759) [3.944, 4.689]	3.79 (3.653) [3.993, 4.755]	4.02 (3.881) [3.843, 4.667]	6.0451 [-9.1044, 3.5259]
<i>Lobule VIIIB</i>	2.79 (2.690) [3.939, 4.762]	2.55 (2.463) [3.987, 4.850]	3.02 (2.911) [3.753, 4.797]	16.6640 [-14.4446, 7.7238]
<i>Lobule IX</i>	1.50 (1.451) [2.849, 4.243]	1.43 (1.376) [2.815, 4.214]	1.57 (1.519) [2.815, 4.330]	9.8191 [-10.6790, 13.8605]
<i>Lobule X</i>	0.76 (0.734) [2.849, 4.243]	0.77 (0.746) [2.815, 4.214]	0.75 (0.720) [2.815, 4.330]	-3.5581 [-10.6790, 13.8605]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) and in relative value (measured in relation to the ICV).

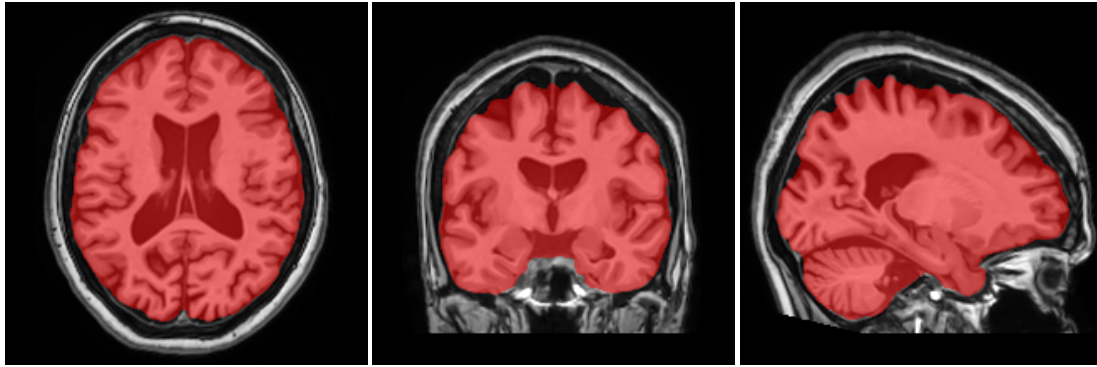
\*The Asymmetry Index is calculated as the difference between right and left volumes divided by their mean (in percent).

\*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).

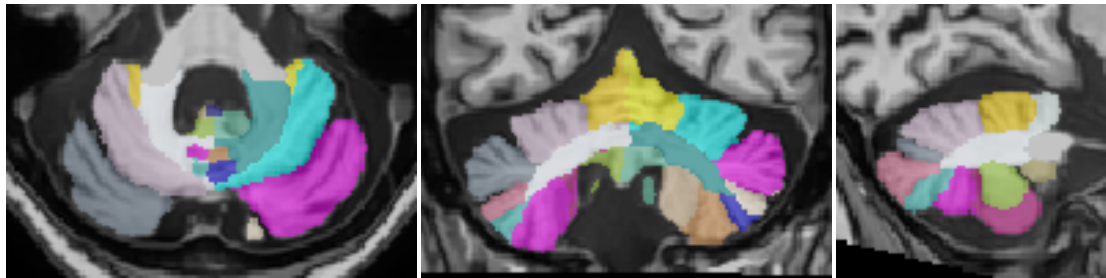
## Intracranial cavity extraction

---



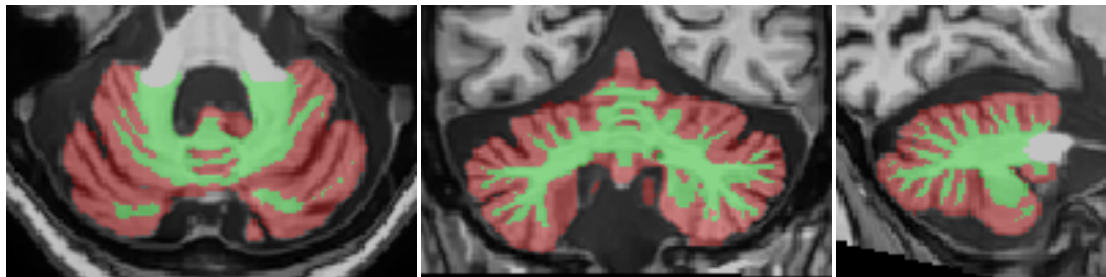
## Lobules segmentation

---



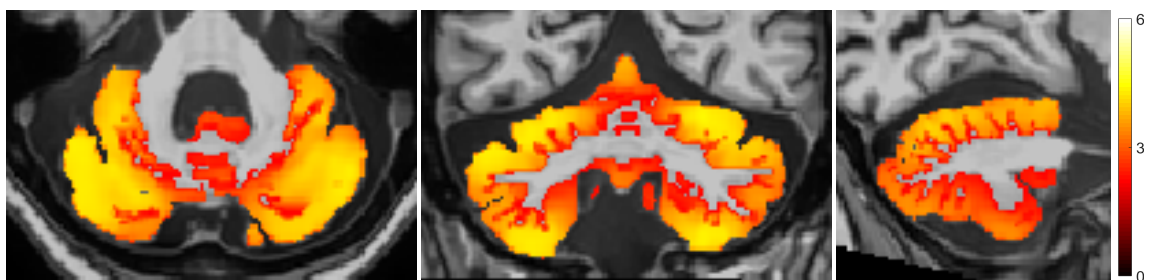
## Tissue classification

---



## Cortical thickness

---



\*All the volumes are presented in absolute value (measured in  $\text{cm}^3$ ) 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).

# CERES Volumetry Report. version 1.0 release 20-06-2016

Patient ID	Sex	Age	Report Date
job12863	Female	48	02-Aug-2016

## Image Information

Orientation	radiological
Scale factor	0.60
SNR	27.62
Total intracranial volume (cm <sup>3</sup> )	1067.04

Volumes	Total (cm <sup>3</sup> /%)	Right (cm <sup>3</sup> /%)	Left (cm <sup>3</sup> /%)	Asym.(%)
Cerebellum	88.91 (8.3319) [8.1329, 10.9220]	44.68 (4.1877) [4.0361, 5.4560]	44.22 (4.1443) [4.0878, 5.4750]	1.0424 [-4.2197, 2.7007]
Lobule I-II	0.09 (0.0081) [0.0038, 0.0148]	0.05 (0.0046) [0.0017, 0.0070]	0.04 (0.0035) [0.0018, 0.0080]	26.5734 [-49.0664, 26.0879]
Lobule III	0.77 (0.0719) [0.0620, 0.1448]	0.37 (0.0347) [0.0295, 0.0731]	0.40 (0.0372) [0.0306, 0.0736]	-6.9182 [-26.2629, 22.2355]
Lobule IV	3.33 (0.3121) [0.2418, 0.4269]	1.68 (0.1571) [0.1183, 0.2194]	1.65 (0.1551) [0.1141, 0.2169]	1.3043 [-23.5027, 27.8481]
Lobule V	6.30 (0.5902) [0.2418, 0.4269]	3.14 (0.2941) [0.1183, 0.2194]	3.16 (0.2961) [0.1141, 0.2169]	-0.6707 [-23.5027, 27.8481]
Lobule VI	11.74 (1.1006) [1.0149, 1.6495]	6.31 (0.5915) [0.4939, 0.8231]	5.43 (0.5091) [0.5040, 0.8433]	14.9815 [-18.4309, 13.8795]
Lobule Crus I	18.25 (1.7107) [1.4626, 2.4341]	8.81 (0.8256) [0.7170, 1.2151]	9.44 (0.8850) [0.7311, 1.2333]	-6.9417 [-14.1724, 10.6448]
Lobule Crus II	11.09 (1.0393) [0.9057, 1.5629]	5.43 (0.5089) [0.4397, 0.7791]	5.66 (0.5304) [0.4484, 0.8014]	-4.1243 [-21.0372, 15.7726]
Lobule VIIB	6.32 (0.5919) [0.5222, 0.8802]	3.00 (0.2808) [0.2501, 0.4404]	3.32 (0.3111) [0.2583, 0.4536]	-10.2407 [-23.8574, 17.9180]
Lobule VIIIA	9.74 (0.9130) [0.6457, 1.0665]	5.13 (0.4803) [0.3135, 0.5521]	4.62 (0.4327) [0.3121, 0.5345]	10.4298 [-19.5634, 23.7298]
Lobule VIIIB	6.34 (0.5937) [0.4489, 0.7436]	3.21 (0.3010) [0.2196, 0.3816]	3.12 (0.2927) [0.2140, 0.3773]	2.7810 [-21.9883, 25.4577]
Lobule IX	6.02 (0.5641) [0.3750, 0.7381]	2.86 (0.2677) [0.1792, 0.3654]	3.16 (0.2964) [0.1935, 0.3750]	-10.1443 [-16.3496, 7.0913]
Lobule X	0.99 (0.0929) [0.3750, 0.7381]	0.52 (0.0487) [0.1792, 0.3654]	0.47 (0.0442) [0.1935, 0.3750]	9.6166 [-16.3496, 7.0913]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).



<b>Grey matter vol.</b>	<b>Total (<math>cm^3/\%</math>)</b>	<b>Right (<math>cm^3/\%</math>)</b>	<b>Left (<math>cm^3/\%</math>)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	68.92 (6.4593) [5.8482, 8.1447]	33.61 (3.1498) [2.9176, 4.0726]	35.31 (3.3095) [2.9202, 4.0825]	-4.9462 [-4.6464, 4.2907]
<i>Lobule I-II</i>	0.06 (0.0056) [0.0020, 0.0089]	0.03 (0.0026) [0.0008, 0.0041]	0.03 (0.0030) [0.0010, 0.0050]	-23.4371 [-97.5256, 40.9315]
<i>Lobule III</i>	0.64 (0.0595) [0.0438, 0.1069]	0.28 (0.0259) [0.0210, 0.0545]	0.36 (0.0336) [0.0212, 0.0541]	-43.1254 [-37.6746, 37.4106]
<i>Lobule IV</i>	2.96 (0.2778) [0.2059, 0.3703]	1.40 (0.1312) [0.1008, 0.1921]	1.56 (0.1466) [0.0964, 0.1869]	-18.4186 [-33.1072, 42.9383]
<i>Lobule V</i>	5.42 (0.5077) [0.2059, 0.3703]	2.60 (0.2441) [0.1008, 0.1921]	2.81 (0.2637) [0.0964, 0.1869]	-12.8098 [-33.1072, 42.9383]
<i>Lobule VI</i>	10.41 (0.9758) [0.8896, 1.4680]	5.56 (0.5212) [0.4364, 0.7376]	4.85 (0.4545) [0.4376, 0.7461]	22.6664 [-24.4865, 22.3555]
<i>Lobule Crus I</i>	15.27 (1.4307) [1.1221, 1.9660]	7.32 (0.6858) [0.5530, 0.9833]	7.95 (0.7449) [0.5537, 0.9981]	-13.7031 [-22.8287, 19.9191]
<i>Lobule Crus II</i>	9.11 (0.8539) [0.7275, 1.2941]	4.30 (0.4031) [0.3560, 0.6450]	4.81 (0.4508) [0.3564, 0.6641]	-18.5271 [-30.3789, 24.6432]
<i>Lobule VIIB</i>	5.48 (0.5131) [0.4324, 0.7500]	2.49 (0.2337) [0.2051, 0.3716]	2.98 (0.2794) [0.2157, 0.3900]	-29.5157 [-37.1968, 23.3798]
<i>Lobule VIIIA</i>	8.21 (0.7696) [0.5412, 0.9151]	4.32 (0.4045) [0.2658, 0.4736]	3.90 (0.3651) [0.2595, 0.4574]	16.9509 [-25.6638, 34.2929]
<i>Lobule VIIIB</i>	4.99 (0.4675) [0.3702, 0.6389]	2.53 (0.2366) [0.1807, 0.3284]	2.46 (0.2308) [0.1757, 0.3243]	4.1298 [-32.4723, 38.1635]
<i>Lobule IX</i>	5.21 (0.4885) [0.2879, 0.5765]	2.21 (0.2074) [0.1380, 0.2837]	3.00 (0.2812) [0.1471, 0.2956]	-50.0712 [-26.6960, 12.4026]
<i>Lobule X</i>	0.94 (0.0878) [0.2879, 0.5765]	0.50 (0.0465) [0.1380, 0.2837]	0.44 (0.0412) [0.1471, 0.2956]	20.0760 [-26.6960, 12.4026]

\*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).



<b>Cortical thickness</b>	<b>Mean (mm/norm.)</b>	<b>Right (mm/norm.)</b>	<b>Left (mm/norm.)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	4.52 (4.419) [3.886, 4.408]	4.38 (4.291) [3.889, 4.427]	4.64 (4.543) [3.853, 4.417]	5.7058 [-4.8409, 3.7287]
<i>Lobule I-II</i>	2.84 (2.775) [0.784, 2.678]	2.50 (2.447) [0.761, 2.785]	3.10 (3.037) [0.768, 2.617]	21.2800 [-24.3400, 15.8784]
<i>Lobule III</i>	3.96 (3.878) [2.555, 3.767]	3.65 (3.567) [2.553, 3.836]	4.20 (4.114) [2.488, 3.753]	14.0985 [-14.8589, 10.1338]
<i>Lobule IV</i>	4.95 (4.845) [4.152, 4.799]	4.77 (4.670) [4.175, 4.856]	5.13 (5.019) [4.079, 4.784]	7.1954 [-7.4123, 3.6599]
<i>Lobule V</i>	4.81 (4.703) [4.152, 4.799]	4.77 (4.670) [4.175, 4.856]	4.84 (4.734) [4.079, 4.784]	1.3796 [-7.4123, 3.6599]
<i>Lobule VI</i>	4.84 (4.741) [4.161, 4.777]	4.80 (4.694) [4.149, 4.828]	4.90 (4.796) [4.130, 4.768]	2.1375 [-6.1069, 4.3181]
<i>Lobule Crus I</i>	4.45 (4.352) [3.580, 4.472]	4.37 (4.278) [3.537, 4.497]	4.52 (4.419) [3.529, 4.531]	3.2314 [-9.9593, 10.6113]
<i>Lobule Crus II</i>	4.04 (3.950) [3.390, 4.354]	3.65 (3.575) [3.224, 4.384]	4.38 (4.285) [3.416, 4.450]	17.9674 [-10.7519, 17.4908]
<i>Lobule VIIB</i>	4.70 (4.596) [3.781, 4.678]	4.40 (4.308) [3.652, 4.736]	4.95 (4.840) [3.828, 4.692]	11.5762 [-8.1100, 11.2969]
<i>Lobule VIIIA</i>	4.68 (4.584) [3.947, 4.692]	4.71 (4.608) [4.000, 4.762]	4.66 (4.557) [3.842, 4.667]	-1.1007 [-9.2684, 3.3658]
<i>Lobule VIIIB</i>	4.50 (4.406) [3.951, 4.774]	4.48 (4.388) [4.002, 4.866]	4.52 (4.425) [3.762, 4.807]	0.8366 [-14.5839, 7.5914]
<i>Lobule IX</i>	4.25 (4.160) [2.840, 4.235]	3.63 (3.551) [2.813, 4.212]	4.72 (4.620) [2.801, 4.316]	25.6939 [-11.0460, 13.5011]
<i>Lobule X</i>	3.11 (3.044) [2.840, 4.235]	3.56 (3.484) [2.813, 4.212]	2.65 (2.593) [2.801, 4.316]	-29.2753 [-11.0460, 13.5011]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) and in relative value (measured in relation to the ICV).

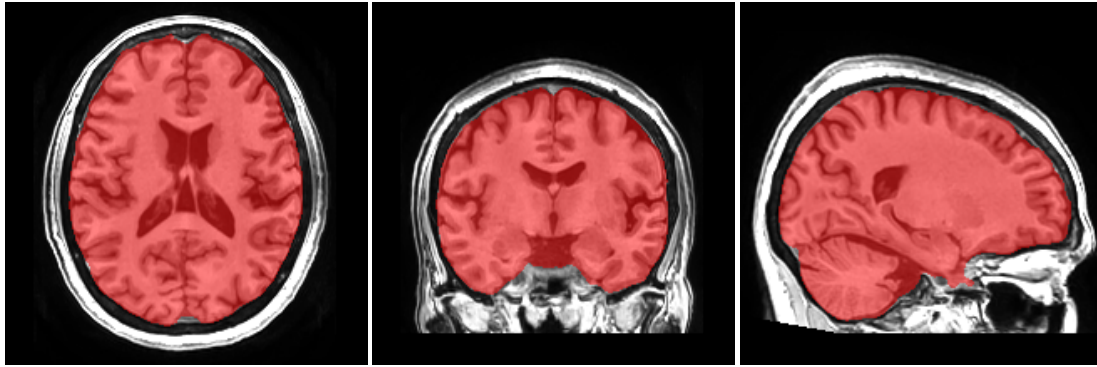
\*The Asymmetry Index is calculated as the difference between right and left volumes divided by their mean (in percent).

\*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).

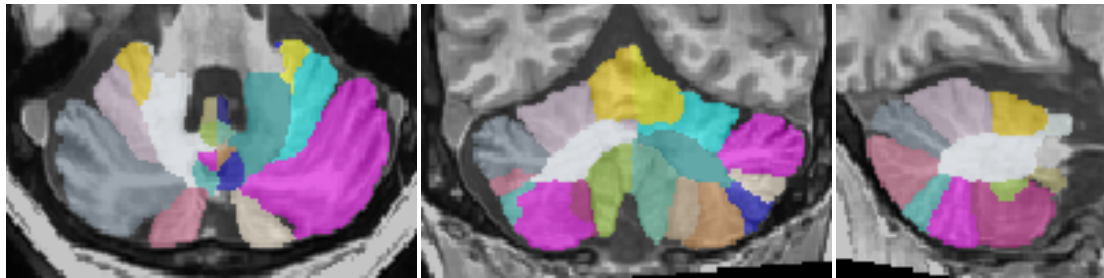
## Intracranial cavity extraction

---



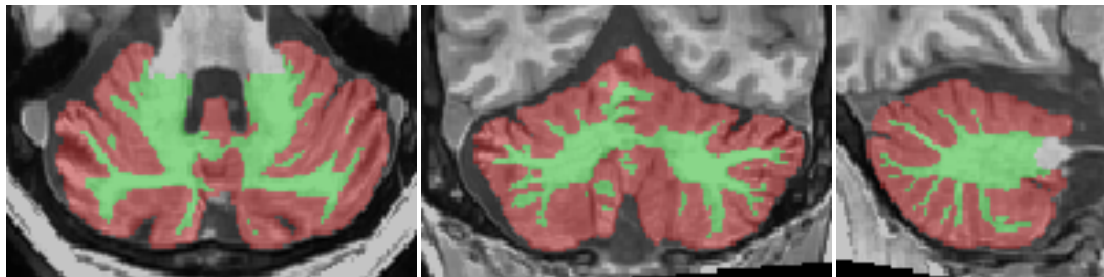
## Lobules segmentation

---



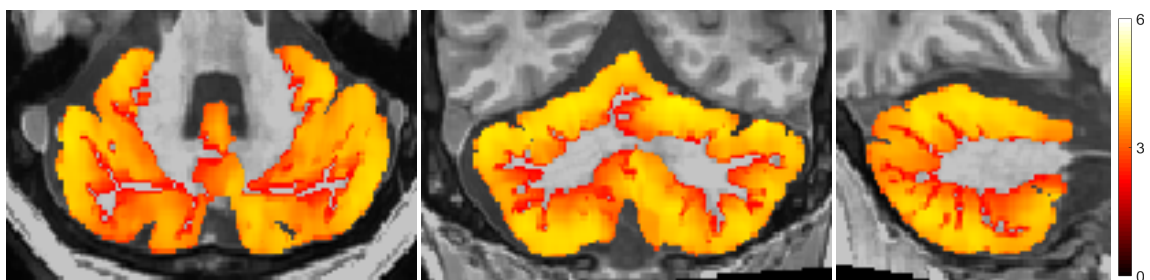
## Tissue classification

---



## Cortical thickness

---



\*All the volumes are presented in absolute value (measured in  $\text{cm}^3$ ) 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).

# CERES Volumetry Report. version 1.0 release 20-06-2016

Patient ID	Sex	Age	Report Date
job12827	Male	47	01-Aug-2016

## Image Information

Orientation	radiological
Scale factor	0.72
SNR	25.71
Total intracranial volume (cm <sup>3</sup> )	1305.09

Volumes	Total (cm <sup>3</sup> /%)	Right (cm <sup>3</sup> /%)	Left (cm <sup>3</sup> /%)	Asym.(%)
Cerebellum	102.97 (7.8899) [7.9126, 10.5727]	51.00 (3.9079) [3.9391, 5.2749]	51.97 (3.9820) [3.9639, 5.3073]	-1.8801 [-4.0880, 2.8729]
Lobule I-II	0.12 (0.0093) [0.0042, 0.0132]	0.06 (0.0045) [0.0018, 0.0066]	0.06 (0.0048) [0.0021, 0.0069]	-7.1429 [-45.8595, 33.7638]
Lobule III	1.29 (0.0990) [0.0639, 0.1438]	0.56 (0.0430) [0.0303, 0.0727]	0.73 (0.0560) [0.0313, 0.0733]	-26.2332 [-27.0450, 24.1198]
Lobule IV	4.33 (0.3318) [0.2350, 0.4159]	2.26 (0.1731) [0.1150, 0.2137]	2.07 (0.1587) [0.1106, 0.2116]	8.6927 [-23.2114, 27.3494]
Lobule V	8.61 (0.6595) [0.2350, 0.4159]	4.35 (0.3334) [0.1150, 0.2137]	4.25 (0.3260) [0.1106, 0.2116]	2.2544 [-23.2114, 27.3494]
Lobule VI	15.41 (1.1810) [0.9802, 1.5641]	7.74 (0.5932) [0.4847, 0.7801]	7.67 (0.5878) [0.4808, 0.7987]	0.9113 [-16.2542, 14.0942]
Lobule Crus I	21.98 (1.6843) [1.4297, 2.3605]	10.66 (0.8167) [0.6906, 1.1793]	11.32 (0.8676) [0.7174, 1.2029]	-6.0402 [-17.9448, 12.5761]
Lobule Crus II	11.94 (0.9152) [0.8216, 1.5111]	5.92 (0.4539) [0.3945, 0.7538]	6.02 (0.4613) [0.4089, 0.7756]	-1.6002 [-22.2441, 16.1023]
Lobule VII B	6.36 (0.4873) [0.4803, 0.8562]	3.03 (0.2320) [0.2315, 0.4331]	3.33 (0.2553) [0.2294, 0.4424]	-9.5845 [-27.0425, 25.5829]
Lobule VII A	9.18 (0.7031) [0.6817, 1.0662]	4.73 (0.3626) [0.3349, 0.5435]	4.44 (0.3405) [0.3234, 0.5460]	6.2959 [-21.1757, 23.5080]
Lobule VII B	8.33 (0.6384) [0.4537, 0.7927]	4.21 (0.3225) [0.2202, 0.4150]	4.12 (0.3160) [0.2113, 0.3999]	2.0332 [-23.2504, 30.9685]
Lobule IX	5.89 (0.4514) [0.3669, 0.6977]	2.85 (0.2183) [0.1751, 0.3427]	3.04 (0.2332) [0.1890, 0.3577]	-6.5864 [-17.6654, 6.5019]
Lobule X	0.99 (0.0758) [0.3669, 0.6977]	0.46 (0.0351) [0.1751, 0.3427]	0.53 (0.0407) [0.1890, 0.3577]	-14.9341 [-17.6654, 6.5019]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).

<b>Grey matter vol.</b>	<b>Total (cm<sup>3</sup>/%)</b>	<b>Right (cm<sup>3</sup>/%)</b>	<b>Left (cm<sup>3</sup>/%)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	80.92 (6.2005) [5.8123, 7.9854]	40.48 (3.1020) [2.9044, 3.9740]	40.44 (3.0984) [2.8964, 4.0229]	0.1163 [-5.2535, 4.1734]
<i>Lobule I-II</i>	0.11 (0.0085) [0.0024, 0.0079]	0.05 (0.0039) [0.0009, 0.0039]	0.06 (0.0047) [0.0012, 0.0043]	-25.1140 [-81.8464, 48.3506]
<i>Lobule III</i>	1.15 (0.0885) [0.0466, 0.1074]	0.51 (0.0393) [0.0221, 0.0552]	0.64 (0.0492) [0.0225, 0.0542]	-31.0028 [-34.5874, 36.3524]
<i>Lobule IV</i>	3.86 (0.2955) [0.2019, 0.3656]	2.03 (0.1558) [0.0983, 0.1897]	1.82 (0.1397) [0.0948, 0.1846]	14.9873 [-28.6642, 36.4110]
<i>Lobule V</i>	7.36 (0.5639) [0.2019, 0.3656]	3.85 (0.2953) [0.0983, 0.1897]	3.51 (0.2687) [0.0948, 0.1846]	13.0437 [-28.6642, 36.4110]
<i>Lobule VI</i>	13.76 (1.0545) [0.8691, 1.4075]	7.00 (0.5361) [0.4344, 0.7052]	6.77 (0.5185) [0.4209, 0.7161]	4.6212 [-19.3222, 20.0473]
<i>Lobule Crus I</i>	18.75 (1.4364) [1.1146, 1.9182]	9.07 (0.6952) [0.5421, 0.9617]	9.67 (0.7411) [0.5519, 0.9771]	-8.8233 [-23.2539, 19.2803]
<i>Lobule Crus II</i>	9.97 (0.7640) [0.6746, 1.2646]	4.94 (0.3783) [0.3217, 0.6320]	5.03 (0.3858) [0.3357, 0.6498]	-2.7078 [-29.2754, 21.2805]
<i>Lobule VIIB</i>	5.23 (0.4007) [0.4045, 0.7423]	2.54 (0.1944) [0.1909, 0.3703]	2.69 (0.2062) [0.1977, 0.3880]	-8.1465 [-37.8087, 27.6314]
<i>Lobule VIIIA</i>	7.90 (0.6051) [0.5775, 0.9307]	4.10 (0.3142) [0.2840, 0.4732]	3.80 (0.2909) [0.2740, 0.4771]	10.6368 [-26.8787, 29.3221]
<i>Lobule VIIIB</i>	6.61 (0.5069) [0.3856, 0.6893]	3.33 (0.2550) [0.1858, 0.3593]	3.29 (0.2518) [0.1810, 0.3488]	1.7234 [-30.6183, 37.3173]
<i>Lobule IX</i>	5.04 (0.3859) [0.2867, 0.5543]	2.49 (0.1909) [0.1361, 0.2697]	2.54 (0.1949) [0.1476, 0.2876]	-2.8594 [-25.9164, 8.3751]
<i>Lobule X</i>	0.96 (0.0734) [0.2867, 0.5543]	0.44 (0.0340) [0.1361, 0.2697]	0.51 (0.0394) [0.1476, 0.2876]	-20.2544 [-25.9164, 8.3751]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).

<b>Cortical thickness</b>	<b>Mean (mm/norm.)</b>	<b>Right (mm/norm.)</b>	<b>Left (mm/norm.)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	4.58 (4.189) [3.804, 4.337]	4.57 (4.183) [3.811, 4.337]	4.58 (4.195) [3.777, 4.356]	0.2997 [-3.8434, 3.4489]
<i>Lobule I-II</i>	3.72 (3.407) [0.909, 2.519]	3.55 (3.246) [0.906, 2.609]	3.88 (3.547) [0.890, 2.454]	8.8289 [-22.1121, 13.0210]
<i>Lobule III</i>	4.50 (4.119) [2.575, 3.622]	4.57 (4.182) [2.590, 3.688]	4.45 (4.070) [2.492, 3.610]	-2.7314 [-14.5800, 8.8010]
<i>Lobule IV</i>	5.02 (4.592) [4.058, 4.626]	5.01 (4.585) [4.086, 4.674]	5.03 (4.600) [3.987, 4.615]	0.3172 [-6.7474, 3.1033]
<i>Lobule V</i>	4.98 (4.560) [4.058, 4.626]	5.10 (4.668) [4.086, 4.674]	4.85 (4.442) [3.987, 4.615]	-4.9532 [-6.7474, 3.1033]
<i>Lobule VI</i>	4.88 (4.467) [4.052, 4.648]	4.89 (4.479) [4.062, 4.684]	4.87 (4.454) [4.003, 4.647]	-0.5552 [-6.0366, 3.7904]
<i>Lobule Crus I</i>	4.46 (4.083) [3.508, 4.432]	4.32 (3.950) [3.486, 4.441]	4.59 (4.203) [3.461, 4.481]	6.2014 [-8.7524, 9.0690]
<i>Lobule Crus II</i>	4.33 (3.961) [3.372, 4.304]	4.24 (3.877) [3.236, 4.306]	4.42 (4.043) [3.395, 4.401]	4.1732 [-8.8955, 15.5798]
<i>Lobule VIIB</i>	4.37 (3.999) [3.758, 4.531]	4.31 (3.946) [3.635, 4.541]	4.43 (4.049) [3.806, 4.583]	2.5739 [-5.6417, 10.8622]
<i>Lobule VIIIA</i>	4.62 (4.226) [3.903, 4.505]	4.68 (4.281) [3.909, 4.553]	4.55 (4.167) [3.838, 4.511]	-2.6983 [-7.7121, 5.0037]
<i>Lobule VIIIB</i>	4.51 (4.131) [3.962, 4.600]	4.57 (4.185) [3.976, 4.664]	4.45 (4.076) [3.841, 4.635]	-2.6316 [-10.7364, 6.8696]
<i>Lobule IX</i>	4.24 (3.880) [2.856, 4.144]	4.37 (3.998) [2.761, 4.137]	4.11 (3.765) [2.889, 4.201]	-5.9876 [-8.0750, 13.7428]
<i>Lobule X</i>	3.38 (3.088) [2.856, 4.144]	3.39 (3.103) [2.761, 4.137]	3.36 (3.075) [2.889, 4.201]	-0.9173 [-8.0750, 13.7428]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) and in relative value (measured in relation to the ICV).

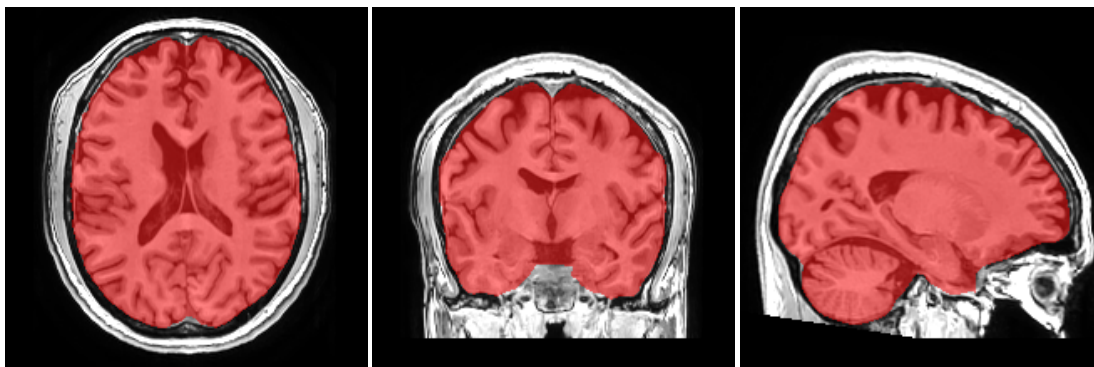
\*The Asymmetry Index is calculated as the difference between right and left volumes divided by their mean (in percent).

\*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).

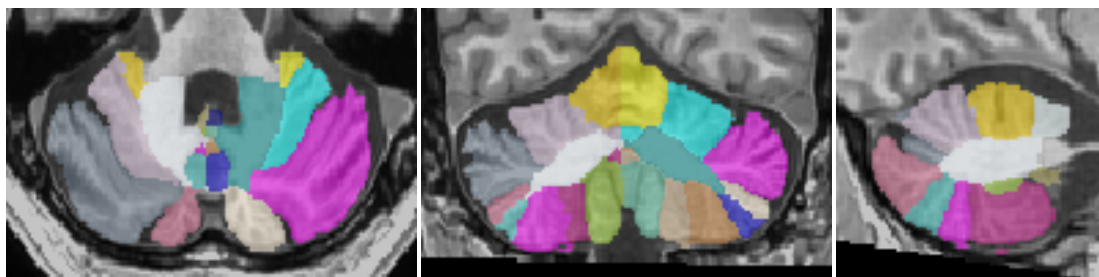
## Intracranial cavity extraction

---



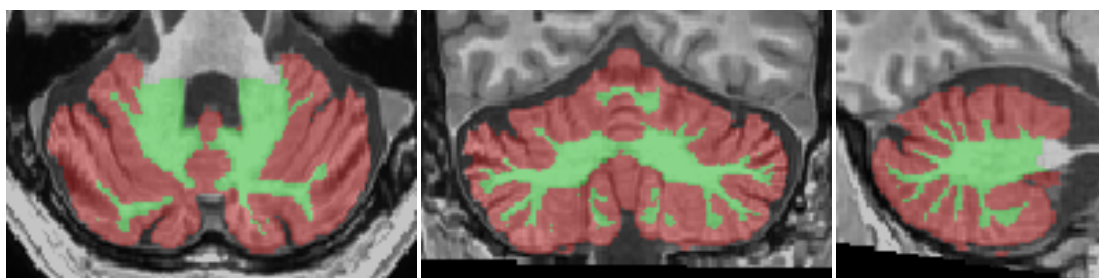
## Lobules segmentation

---



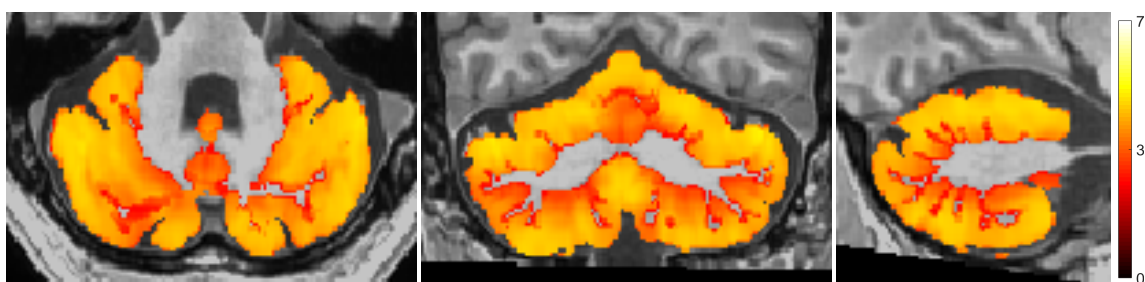
## Tissue classification

---



## Cortical thickness

---



\*All the volumes are presented in absolute value (measured in  $\text{cm}^3$ ) 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).

# CERES Volumetry Report. version 1.0 release 20-06-2016

Patient ID	Sex	Age	Report Date
job12843	Male	57	01-Aug-2016

## Image Information

Orientation	radiological
Scale factor	0.64
SNR	21.36
Total intracranial volume (cm <sup>3</sup> )	1142.44

Volumes	Total (cm <sup>3</sup> /%)	Right (cm <sup>3</sup> /%)	Left (cm <sup>3</sup> /%)	Asym.(%)
<i>Cerebellum</i>	78.06 (6.8328) [7.6944, 10.3542]	38.20 (3.3435) [3.8289, 5.1646]	39.86 (3.4893) [3.8559, 5.1991]	-4.2671 [-4.1495, 2.8108]
<i>Lobule I-II</i>	0.08 (0.0072) [0.0039, 0.0129]	0.03 (0.0029) [0.0017, 0.0064]	0.05 (0.0044) [0.0019, 0.0068]	-41.8605 [-45.6943, 33.9208]
<i>Lobule III</i>	0.84 (0.0736) [0.0607, 0.1406]	0.36 (0.0311) [0.0288, 0.0712]	0.49 (0.0425) [0.0297, 0.0717]	-30.8397 [-26.9530, 24.2065]
<i>Lobule IV</i>	2.38 (0.2083) [0.2251, 0.4060]	0.97 (0.0852) [0.1108, 0.2095]	1.41 (0.1232) [0.1049, 0.2060]	-36.4420 [-22.2942, 28.2614]
<i>Lobule V</i>	5.08 (0.4444) [0.2251, 0.4060]	2.42 (0.2114) [0.1108, 0.2095]	2.66 (0.2330) [0.1049, 0.2060]	-9.7043 [-22.2942, 28.2614]
<i>Lobule VI</i>	10.94 (0.9579) [0.9477, 1.5314]	5.69 (0.4984) [0.4668, 0.7622]	5.25 (0.4595) [0.4661, 0.7840]	8.1369 [-16.6635, 13.6818]
<i>Lobule Crus I</i>	16.00 (1.4008) [1.3821, 2.3127]	8.98 (0.7863) [0.6674, 1.1560]	7.02 (0.6145) [0.6930, 1.1784]	24.5350 [-17.8738, 12.6439]
<i>Lobule Crus II</i>	11.01 (0.9640) [0.7919, 1.4813]	4.60 (0.4025) [0.3807, 0.7399]	6.42 (0.5616) [0.3930, 0.7597]	-33.0052 [-21.8970, 16.4454]
<i>Lobule VIIIB</i>	5.50 (0.4815) [0.4644, 0.8402]	2.80 (0.2448) [0.2229, 0.4244]	2.70 (0.2367) [0.2222, 0.4352]	3.3590 [-27.5193, 25.1006]
<i>Lobule VIIIA</i>	7.97 (0.6972) [0.6570, 1.0414]	3.68 (0.3224) [0.3216, 0.5302]	4.28 (0.3748) [0.3120, 0.5346]	-15.0451 [-21.6396, 23.0394]
<i>Lobule VIIIB</i>	5.99 (0.5242) [0.4401, 0.7791]	2.75 (0.2410) [0.2127, 0.4075]	3.24 (0.2833) [0.2052, 0.3938]	-16.1328 [-23.6230, 30.5903]
<i>Lobule IX</i>	4.55 (0.3983) [0.3506, 0.6813]	2.06 (0.1807) [0.1679, 0.3355]	2.49 (0.2175) [0.1800, 0.3486]	-18.4997 [-17.1327, 7.0321]
<i>Lobule X</i>	0.74 (0.0646) [0.3506, 0.6813]	0.38 (0.0334) [0.1679, 0.3355]	0.36 (0.0312) [0.1800, 0.3486]	6.9565 [-17.1327, 7.0321]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).



<b>Grey matter vol.</b>	<b>Total (cm<sup>3</sup>/%)</b>	<b>Right (cm<sup>3</sup>/%)</b>	<b>Left (cm<sup>3</sup>/%)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	62.01 (5.4280) [5.6376, 7.8104]	30.77 (2.6936) [2.8163, 3.8857]	31.24 (2.7344) [2.8097, 3.9362]	-1.5022 [-5.3129, 4.1131]
<i>Lobule I-II</i>	0.06 (0.0052) [0.0023, 0.0078]	0.02 (0.0020) [0.0008, 0.0039]	0.04 (0.0033) [0.0012, 0.0042]	-77.0981 [-82.0415, 48.1420]
<i>Lobule III</i>	0.72 (0.0629) [0.0447, 0.1055]	0.33 (0.0285) [0.0212, 0.0543]	0.39 (0.0344) [0.0215, 0.0531]	-29.5044 [-34.0457, 36.8868]
<i>Lobule IV</i>	2.16 (0.1892) [0.1943, 0.3579]	0.91 (0.0794) [0.0952, 0.1866]	1.25 (0.1098) [0.0903, 0.1801]	-50.0605 [-27.3459, 37.7226]
<i>Lobule V</i>	4.48 (0.3924) [0.1943, 0.3579]	2.16 (0.1895) [0.0952, 0.1866]	2.32 (0.2029) [0.0903, 0.1801]	-10.6637 [-27.3459, 37.7226]
<i>Lobule VI</i>	10.13 (0.8864) [0.8394, 1.3777]	5.31 (0.4646) [0.4181, 0.6889]	4.82 (0.4218) [0.4074, 0.7026]	15.0293 [-19.7719, 19.5935]
<i>Lobule Crus I</i>	14.12 (1.2357) [1.0775, 1.8810]	8.07 (0.7067) [0.5241, 0.9437]	6.04 (0.5290) [0.5327, 0.9580]	44.8102 [-23.1332, 19.3966]
<i>Lobule Crus II</i>	9.50 (0.8318) [0.6449, 1.2348]	3.99 (0.3496) [0.3074, 0.6176]	5.51 (0.4822) [0.3204, 0.6344]	-49.7124 [-29.1391, 21.4116]
<i>Lobule VIIB</i>	4.71 (0.4121) [0.3877, 0.7255]	2.36 (0.2067) [0.1820, 0.3614]	2.35 (0.2054) [0.1898, 0.3801]	0.9770 [-38.4643, 26.9690]
<i>Lobule VIIIA</i>	6.71 (0.5877) [0.5537, 0.9069]	3.16 (0.2766) [0.2711, 0.4603]	3.55 (0.3111) [0.2630, 0.4661]	-18.2888 [-27.5092, 28.6857]
<i>Lobule VIIIB</i>	5.07 (0.4439) [0.3739, 0.6776]	2.37 (0.2071) [0.1795, 0.3530]	2.71 (0.2368) [0.1756, 0.3434]	-20.8618 [-30.9610, 36.9676]
<i>Lobule IX</i>	3.52 (0.3078) [0.2750, 0.5425]	1.66 (0.1451) [0.1311, 0.2647]	1.86 (0.1627) [0.1409, 0.2808]	-17.8026 [-25.1925, 9.0955]
<i>Lobule X</i>	0.71 (0.0623) [0.2750, 0.5425]	0.37 (0.0324) [0.1311, 0.2647]	0.34 (0.0299) [0.1409, 0.2808]	12.6497 [-25.1925, 9.0955]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).



<b>Cortical thickness</b>	<b>Mean (mm/norm.)</b>	<b>Right (mm/norm.)</b>	<b>Left (mm/norm.)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	4.73 (4.524) [3.791, 4.324]	4.85 (4.642) [3.799, 4.326]	4.61 (4.412) [3.763, 4.342]	-5.0779 [-3.9069, 3.3847]
<i>Lobule I-II</i>	2.36 (2.260) [0.918, 2.527]	2.64 (2.524) [0.912, 2.615]	2.18 (2.081) [0.900, 2.464]	-19.6060 [-21.8849, 13.2446]
<i>Lobule III</i>	3.78 (3.616) [2.586, 3.633]	4.08 (3.899) [2.610, 3.708]	3.54 (3.387) [2.494, 3.612]	-14.1744 [-15.1331, 8.2454]
<i>Lobule IV</i>	5.01 (4.795) [4.072, 4.640]	5.09 (4.869) [4.104, 4.691]	4.96 (4.742) [3.997, 4.625]	-2.6483 [-6.9148, 2.9349]
<i>Lobule V</i>	4.87 (4.658) [4.072, 4.640]	4.94 (4.721) [4.104, 4.691]	4.81 (4.599) [3.997, 4.625]	-2.6318 [-6.9148, 2.9349]
<i>Lobule VI</i>	5.19 (4.962) [4.050, 4.646]	5.27 (5.042) [4.062, 4.683]	5.10 (4.877) [4.000, 4.644]	-3.3138 [-6.0763, 3.7497]
<i>Lobule Crus I</i>	4.90 (4.683) [3.487, 4.411]	5.15 (4.928) [3.469, 4.424]	4.60 (4.396) [3.436, 4.457]	-11.3526 [-8.9416, 8.8779]
<i>Lobule Crus II</i>	4.76 (4.556) [3.340, 4.272]	4.65 (4.449) [3.206, 4.276]	4.84 (4.633) [3.361, 4.367]	4.0470 [-8.9652, 15.5075]
<i>Lobule VIIB</i>	4.48 (4.288) [3.723, 4.496]	4.50 (4.309) [3.598, 4.503]	4.46 (4.267) [3.775, 4.551]	-0.9805 [-5.4605, 11.0417]
<i>Lobule VIIIA</i>	4.68 (4.476) [3.889, 4.491]	4.78 (4.568) [3.892, 4.536]	4.59 (4.394) [3.826, 4.499]	-3.8963 [-7.5863, 5.1282]
<i>Lobule VIIIB</i>	4.48 (4.287) [3.963, 4.601]	4.63 (4.429) [3.978, 4.666]	4.35 (4.163) [3.842, 4.636]	-6.2100 [-10.7586, 6.8456]
<i>Lobule IX</i>	3.75 (3.582) [2.826, 4.114]	4.00 (3.826) [2.730, 4.105]	3.52 (3.363) [2.861, 4.173]	-12.9211 [-7.9637, 13.8519]
<i>Lobule X</i>	2.91 (2.787) [2.826, 4.114]	3.38 (3.233) [2.730, 4.105]	2.42 (2.311) [2.861, 4.173]	-33.0890 [-7.9637, 13.8519]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) and in relative value (measured in relation to the ICV).

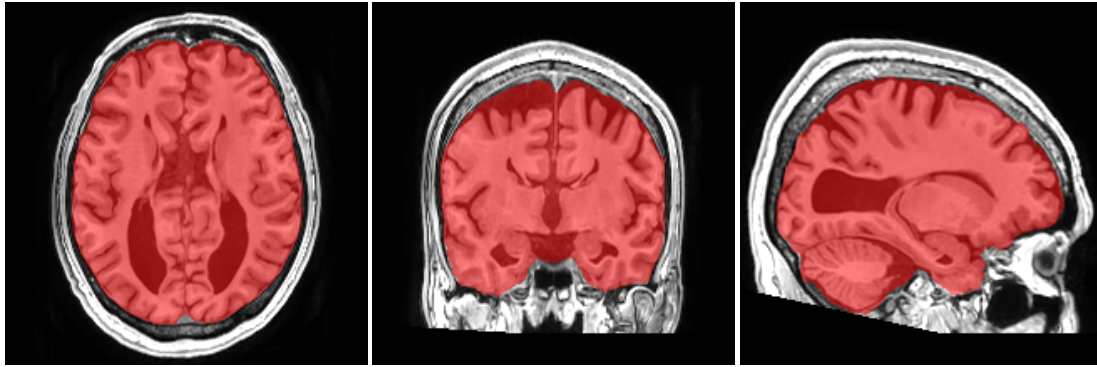
\*The Asymmetry Index is calculated as the difference between right and left volumes divided by their mean (in percent).

\*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).

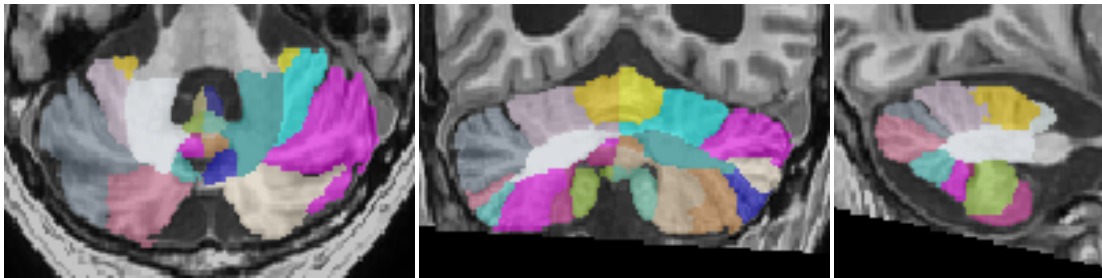
## Intracranial cavity extraction

---



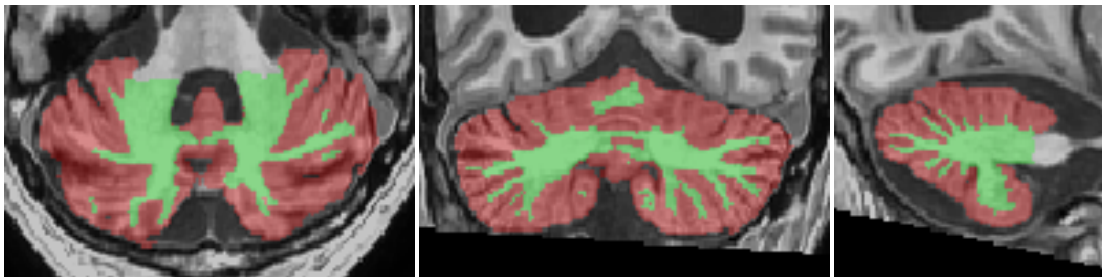
## Lobules segmentation

---



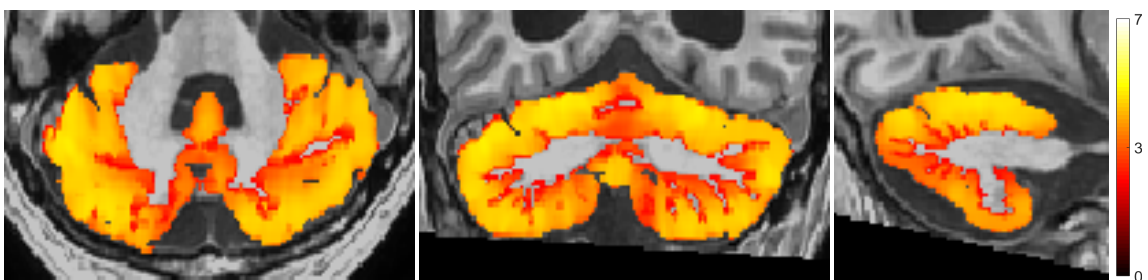
## Tissue classification

---



## Cortical thickness

---



*\*All the volumes are presented in absolute value (measured in  $\text{cm}^3$ ) 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).*

# CERES Volumetry Report. version 1.0 release 20-06-2016

Patient ID	Sex	Age	Report Date
job12844	Male	50	01-Aug-2016

## Image Information

Orientation	radiological
Scale factor	0.76
SNR	24.75
Total intracranial volume (cm <sup>3</sup> )	1426.50

Volumes	Total (cm <sup>3</sup> /%)	Right (cm <sup>3</sup> /%)	Left (cm <sup>3</sup> /%)	Asym.(%)
Cerebellum	105.89 (7.4234) [7.8518, 10.5122]	53.01 (3.7160) [3.9085, 5.2444]	52.89 (3.7074) [3.9338, 5.2773]	0.2326 [-4.1031, 2.8588]
Lobule I-II	0.13 (0.0092) [0.0041, 0.0131]	0.06 (0.0039) [0.0018, 0.0065]	0.08 (0.0053) [0.0020, 0.0069]	-31.5789 [-45.6519, 33.9821]
Lobule III	1.12 (0.0786) [0.0630, 0.1429]	0.52 (0.0364) [0.0299, 0.0723]	0.60 (0.0423) [0.0309, 0.0729]	-15.0068 [-27.0070, 24.1647]
Lobule IV	3.41 (0.2388) [0.2319, 0.4128]	1.73 (0.1212) [0.1137, 0.2124]	1.68 (0.1175) [0.1088, 0.2099]	3.0990 [-22.9232, 27.6444]
Lobule V	6.62 (0.4639) [0.2319, 0.4128]	3.20 (0.2247) [0.1137, 0.2124]	3.41 (0.2392) [0.1088, 0.2099]	-6.2652 [-22.9232, 27.6444]
Lobule VI	16.31 (1.1431) [0.9703, 1.5542]	8.68 (0.6086) [0.4790, 0.7745]	7.62 (0.5344) [0.4766, 0.7945]	12.9843 [-16.4463, 13.9063]
Lobule Crus I	21.99 (1.5417) [1.4164, 2.3472]	10.72 (0.7512) [0.6842, 1.1729]	11.28 (0.7905) [0.7105, 1.1960]	-5.1057 [-17.9156, 12.6094]
Lobule Crus II	13.94 (0.9771) [0.8131, 1.5027]	6.32 (0.4427) [0.3905, 0.7498]	7.62 (0.5344) [0.4043, 0.7711]	-18.7785 [-22.1424, 16.2092]
Lobule VIIB	8.47 (0.5936) [0.4756, 0.8516]	4.13 (0.2897) [0.2292, 0.4308]	4.34 (0.3039) [0.2271, 0.4402]	-4.7873 [-27.0666, 25.5658]
Lobule VIIIA	11.77 (0.8254) [0.6742, 1.0587]	6.55 (0.4595) [0.3308, 0.5395]	5.22 (0.3659) [0.3200, 0.5426]	22.6726 [-21.3300, 23.3596]
Lobule VIIIB	6.11 (0.4286) [0.4500, 0.7890]	3.14 (0.2202) [0.2181, 0.4130]	2.97 (0.2085) [0.2097, 0.3984]	5.4541 [-23.3995, 30.8268]
Lobule IX	5.80 (0.4065) [0.3627, 0.6935]	2.64 (0.1853) [0.1733, 0.3409]	3.16 (0.2212) [0.1867, 0.3554]	-17.7022 [-17.5327, 6.6379]
Lobule X	1.20 (0.0839) [0.3627, 0.6935]	0.61 (0.0424) [0.1733, 0.3409]	0.59 (0.0414) [0.1867, 0.3554]	2.3018 [-17.5327, 6.6379]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).

<b>Grey matter vol.</b>	<b>Total (<math>cm^3/\%</math>)</b>	<b>Right (<math>cm^3/\%</math>)</b>	<b>Left (<math>cm^3/\%</math>)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	83.12 (5.8271) [5.7610, 7.9344]	41.32 (2.8965) [2.8786, 3.9483]	41.81 (2.9306) [2.8709, 3.9976]	-1.1723 [-5.2656, 4.1626]
<i>Lobule I-II</i>	0.10 (0.0068) [0.0023, 0.0078]	0.03 (0.0024) [0.0008, 0.0039]	0.06 (0.0045) [0.0012, 0.0042]	-80.2947 [-81.5319, 48.6827]
<i>Lobule III</i>	0.82 (0.0573) [0.0460, 0.1069]	0.37 (0.0257) [0.0219, 0.0550]	0.45 (0.0316) [0.0222, 0.0539]	-26.6609 [-34.4570, 36.4924]
<i>Lobule IV</i>	2.92 (0.2047) [0.1994, 0.3631]	1.42 (0.0998) [0.0973, 0.1888]	1.50 (0.1049) [0.0933, 0.1832]	-6.4375 [-28.2430, 36.8411]
<i>Lobule V</i>	5.66 (0.3965) [0.1994, 0.3631]	2.71 (0.1897) [0.0973, 0.1888]	2.95 (0.2069) [0.0933, 0.1832]	-11.3499 [-28.2430, 36.8411]
<i>Lobule VI</i>	14.71 (1.0310) [0.8600, 1.3984]	7.89 (0.5534) [0.4292, 0.7001]	6.81 (0.4775) [0.4169, 0.7122]	19.2429 [-19.5427, 19.8322]
<i>Lobule Crus I</i>	18.95 (1.3282) [1.1035, 1.9072]	9.29 (0.6513) [0.5368, 0.9565]	9.66 (0.6769) [0.5460, 0.9713]	-5.0458 [-23.1670, 19.3729]
<i>Lobule Crus II</i>	11.70 (0.8200) [0.6663, 1.2563]	5.30 (0.3713) [0.3178, 0.6281]	6.40 (0.4487) [0.3314, 0.6454]	-24.6717 [-29.2106, 21.3521]
<i>Lobule VIIB</i>	7.39 (0.5180) [0.3998, 0.7377]	3.51 (0.2459) [0.1885, 0.3680]	3.88 (0.2721) [0.1953, 0.3857]	-13.2090 [-37.8750, 27.5739]
<i>Lobule VIIIA</i>	9.82 (0.6886) [0.5703, 0.9235]	5.53 (0.3880) [0.2800, 0.4692]	4.29 (0.3006) [0.2707, 0.4738]	33.1880 [-27.1059, 29.1025]
<i>Lobule VIIIB</i>	5.11 (0.3585) [0.3824, 0.6862]	2.64 (0.1851) [0.1840, 0.3575]	2.47 (0.1734) [0.1797, 0.3475]	8.5254 [-30.8238, 37.1210]
<i>Lobule IX</i>	4.62 (0.3240) [0.2833, 0.5509]	1.96 (0.1376) [0.1346, 0.2682]	2.66 (0.1863) [0.1457, 0.2857]	-39.2944 [-25.7681, 8.5280]
<i>Lobule X</i>	1.14 (0.0802) [0.2833, 0.5509]	0.58 (0.0409) [0.1346, 0.2682]	0.56 (0.0394) [0.1457, 0.2857]	4.8939 [-25.7681, 8.5280]

\*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).

<b>Cortical thickness</b>	<b>Mean (mm/norm.)</b>	<b>Right (mm/norm.)</b>	<b>Left (mm/norm.)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	4.47 (3.975) [3.800, 4.333]	4.44 (3.940) [3.807, 4.334]	4.51 (4.009) [3.772, 4.351]	1.7180 [-3.8689, 3.4244]
<i>Lobule I-II</i>	2.18 (1.936) [0.909, 2.519]	1.73 (1.541) [0.905, 2.609]	2.40 (2.134) [0.890, 2.454]	30.6326 [-22.0564, 13.0814]
<i>Lobule III</i>	3.16 (2.808) [2.576, 3.623]	2.82 (2.507) [2.593, 3.691]	3.43 (3.043) [2.491, 3.609]	19.0819 [-14.7329, 8.6512]
<i>Lobule IV</i>	4.82 (4.281) [4.061, 4.629]	4.68 (4.157) [4.090, 4.678]	4.96 (4.404) [3.988, 4.617]	5.7685 [-6.8057, 3.0464]
<i>Lobule V</i>	4.77 (4.240) [4.061, 4.629]	4.59 (4.079) [4.090, 4.678]	4.94 (4.385) [3.988, 4.617]	7.2299 [-6.8057, 3.0464]
<i>Lobule VI</i>	4.96 (4.409) [4.050, 4.646]	4.98 (4.423) [4.061, 4.683]	4.95 (4.393) [4.001, 4.645]	-0.6734 [-6.0563, 3.7720]
<i>Lobule Crus I</i>	4.37 (3.886) [3.501, 4.426]	4.45 (3.951) [3.481, 4.436]	4.30 (3.823) [3.453, 4.473]	-3.2838 [-8.8214, 9.0024]
<i>Lobule Crus II</i>	4.28 (3.798) [3.366, 4.298]	4.05 (3.595) [3.232, 4.301]	4.46 (3.965) [3.387, 4.393]	9.7497 [-8.9831, 15.4954]
<i>Lobule VIIB</i>	4.67 (4.146) [3.750, 4.523]	4.47 (3.967) [3.626, 4.532]	4.85 (4.308) [3.799, 4.575]	8.2243 [-5.6076, 10.8986]
<i>Lobule VIIIA</i>	4.58 (4.071) [3.900, 4.501]	4.64 (4.124) [3.904, 4.548]	4.51 (4.003) [3.835, 4.508]	-2.9669 [-7.6660, 5.0515]
<i>Lobule VIIIB</i>	4.28 (3.802) [3.961, 4.600]	4.38 (3.890) [3.975, 4.664]	4.17 (3.708) [3.841, 4.635]	-4.7792 [-10.7182, 6.8902]
<i>Lobule IX</i>	3.56 (3.161) [2.843, 4.131]	2.99 (2.658) [2.747, 4.122]	3.98 (3.536) [2.878, 4.190]	27.7806 [-7.9756, 13.8452]
<i>Lobule X</i>	3.01 (2.671) [2.843, 4.131]	3.38 (3.007) [2.747, 4.122]	2.61 (2.315) [2.878, 4.190]	-25.8985 [-7.9756, 13.8452]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) and in relative value (measured in relation to the ICV).

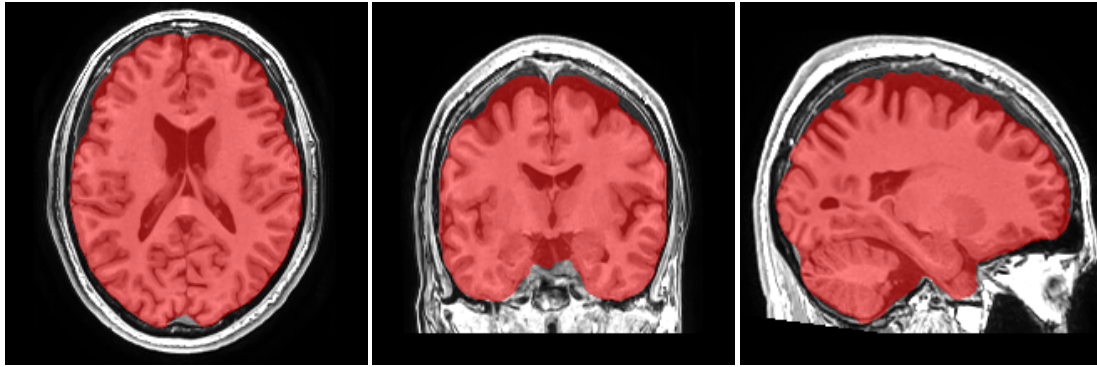
\*The Asymmetry Index is calculated as the difference between right and left volumes divided by their mean (in percent).

\*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).

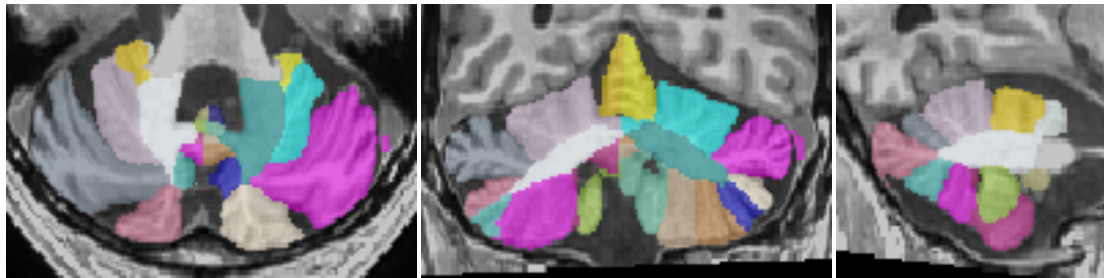
## Intracranial cavity extraction

---



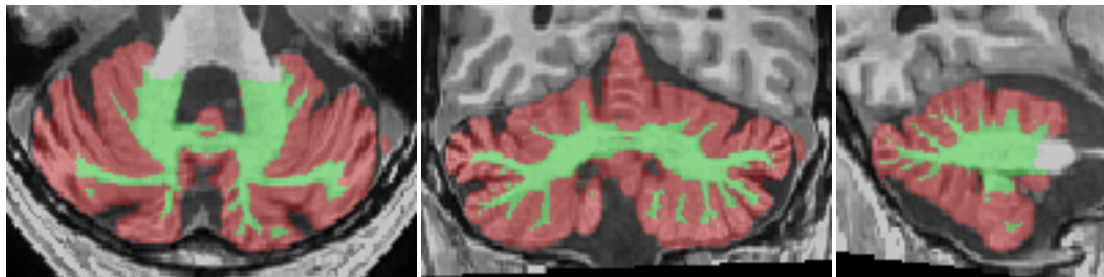
## Lobules segmentation

---



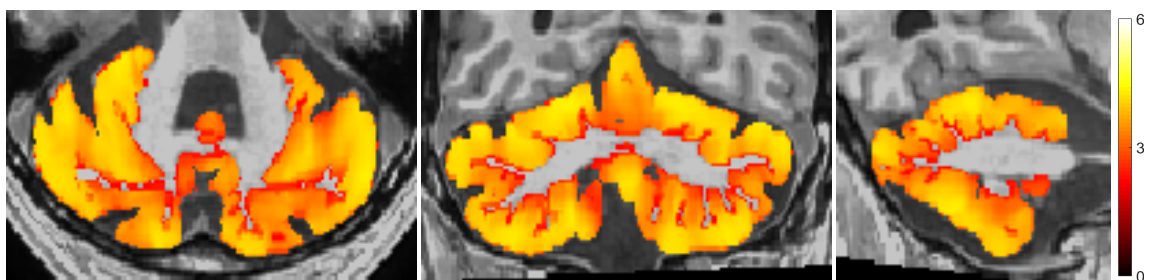
## Tissue classification

---



## Cortical thickness

---



*\*All the volumes are presented in absolute value (measured in  $\text{cm}^3$ ) 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).*



# CERES Volumetry Report. version 1.0 release 20-06-2016

Patient ID	Sex	Age	Report Date
job12830	Female	22	01-Aug-2016

## Image Information

Orientation	radiological
Scale factor	0.72
SNR	78.45
Total intracranial volume (cm <sup>3</sup> )	1317.38

Volumes	Total (cm <sup>3</sup> /%)	Right (cm <sup>3</sup> /%)	Left (cm <sup>3</sup> /%)	Asym.(%)
Cerebellum	105.24 (7.9884) [8.2396, 11.0511]	52.84 (4.0112) [4.1025, 5.5338]	52.39 (3.9771) [4.1280, 5.5264]	0.8540 [-3.6831, 3.2932]
Lobule I-II	0.11 (0.0084) [0.0042, 0.0153]	0.05 (0.0038) [0.0018, 0.0072]	0.06 (0.0046) [0.0021, 0.0084]	-19.6078 [-51.8610, 23.8994]
Lobule III	0.97 (0.0740) [0.0731, 0.1566]	0.45 (0.0343) [0.0343, 0.0782]	0.52 (0.0397) [0.0369, 0.0802]	-14.4024 [-28.2717, 20.6178]
Lobule IV	3.89 (0.2952) [0.2517, 0.4383]	2.01 (0.1523) [0.1232, 0.2251]	1.88 (0.1430) [0.1189, 0.2226]	6.2884 [-23.7800, 27.9848]
Lobule V	6.58 (0.4996) [0.2517, 0.4383]	3.26 (0.2471) [0.1232, 0.2251]	3.33 (0.2525) [0.1189, 0.2226]	-2.1548 [-23.7800, 27.9848]
Lobule VI	15.01 (1.1395) [1.0532, 1.6929]	7.49 (0.5683) [0.5134, 0.8453]	7.53 (0.5712) [0.5227, 0.8648]	-0.5206 [-18.2764, 14.2946]
Lobule Crus I	22.01 (1.6708) [1.5361, 2.5155]	10.71 (0.8129) [0.7649, 1.2670]	11.30 (0.8580) [0.7567, 1.2630]	-5.3979 [-11.5705, 13.4469]
Lobule Crus II	13.50 (1.0248) [0.9129, 1.5754]	7.12 (0.5406) [0.4426, 0.7848]	6.38 (0.4842) [0.4525, 0.8083]	10.9980 [-20.8236, 16.2830]
Lobule VIIB	7.29 (0.5536) [0.5256, 0.8865]	3.97 (0.3014) [0.2564, 0.4482]	3.32 (0.2522) [0.2554, 0.4522]	17.7597 [-21.5569, 20.5554]
Lobule VIIIA	10.20 (0.7740) [0.6809, 1.1051]	4.79 (0.3639) [0.3271, 0.5676]	5.40 (0.4101) [0.3335, 0.5577]	-11.9217 [-21.3127, 22.3297]
Lobule VIIIB	7.88 (0.5984) [0.4468, 0.7439]	3.91 (0.2970) [0.2165, 0.3798]	3.97 (0.3013) [0.2149, 0.3796]	-1.4320 [-23.1839, 24.6448]
Lobule IX	6.42 (0.4874) [0.3772, 0.7431]	3.21 (0.2433) [0.1810, 0.3686]	3.22 (0.2441) [0.1939, 0.3769]	-0.3155 [-15.6333, 7.9967]
Lobule X	1.18 (0.0894) [0.3772, 0.7431]	0.58 (0.0442) [0.1810, 0.3686]	0.60 (0.0453) [0.1939, 0.3769]	-2.4570 [-15.6333, 7.9967]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).

<b>Grey matter vol.</b>	<b>Total (cm<sup>3</sup>/%)</b>	<b>Right (cm<sup>3</sup>/%)</b>	<b>Left (cm<sup>3</sup>/%)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	82.02 (6.2263) [6.0217, 8.3368]	40.44 (3.0700) [2.9953, 4.1596]	41.58 (3.1563) [3.0160, 4.1876]	-2.7736 [-5.1505, 3.8586]
<i>Lobule I-II</i>	0.07 (0.0051) [0.0026, 0.0096]	0.03 (0.0022) [0.0011, 0.0044]	0.04 (0.0029) [0.0013, 0.0054]	-38.6365 [-97.9040, 41.6697]
<i>Lobule III</i>	0.80 (0.0604) [0.0529, 0.1165]	0.39 (0.0293) [0.0252, 0.0590]	0.41 (0.0310) [0.0261, 0.0592]	-7.7965 [-40.0392, 35.6514]
<i>Lobule IV</i>	3.67 (0.2783) [0.2174, 0.3831]	1.90 (0.1440) [0.1067, 0.1987]	1.77 (0.1343) [0.1019, 0.1931]	9.6552 [-33.5866, 43.0720]
<i>Lobule V</i>	5.98 (0.4541) [0.2174, 0.3831]	2.98 (0.2265) [0.1067, 0.1987]	3.00 (0.2276) [0.1019, 0.1931]	-0.6352 [-33.5866, 43.0720]
<i>Lobule VI</i>	13.53 (1.0267) [0.9297, 1.5128]	6.69 (0.5078) [0.4565, 0.7602]	6.84 (0.5189) [0.4574, 0.7684]	-3.0016 [-24.3312, 22.8885]
<i>Lobule Crus I</i>	18.65 (1.4157) [1.1720, 2.0226]	8.95 (0.6797) [0.5833, 1.0172]	9.70 (0.7361) [0.5731, 1.0210]	-11.0131 [-20.3643, 22.7281]
<i>Lobule Crus II</i>	11.13 (0.8448) [0.7330, 1.3041]	5.74 (0.4357) [0.3562, 0.6475]	5.39 (0.4091) [0.3616, 0.6718]	8.6981 [-31.1210, 24.3448]
<i>Lobule VIIB</i>	6.07 (0.4609) [0.4364, 0.7566]	3.15 (0.2392) [0.2081, 0.3760]	2.92 (0.2217) [0.2167, 0.3924]	10.5079 [-36.2902, 24.7748]
<i>Lobule VIIIA</i>	8.88 (0.6744) [0.5757, 0.9527]	4.16 (0.3155) [0.2769, 0.4864]	4.73 (0.3589) [0.2828, 0.4823]	-17.7843 [-30.4253, 30.0149]
<i>Lobule VIIIB</i>	6.65 (0.5050) [0.3721, 0.6429]	3.25 (0.2469) [0.1788, 0.3276]	3.40 (0.2580) [0.1794, 0.3292]	-6.0727 [-36.1383, 35.0671]
<i>Lobule IX</i>	5.28 (0.4007) [0.3023, 0.5933]	2.57 (0.1948) [0.1427, 0.2895]	2.71 (0.2059) [0.1569, 0.3066]	-7.6914 [-29.5313, 9.8825]
<i>Lobule X</i>	1.11 (0.0844) [0.3023, 0.5933]	0.55 (0.0416) [0.1427, 0.2895]	0.56 (0.0428) [0.1569, 0.3066]	-3.7764 [-29.5313, 9.8825]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).



<b>Cortical thickness</b>	<b>Mean (mm/norm.)</b>	<b>Right (mm/norm.)</b>	<b>Left (mm/norm.)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	4.78 (4.363) [3.877, 4.403]	4.68 (4.267) [3.864, 4.406]	4.89 (4.459) [3.860, 4.428]	4.4031 [-4.1161, 4.5227]
<i>Lobule I-II</i>	2.51 (2.289) [1.082, 2.990]	2.37 (2.161) [1.075, 3.116]	2.64 (2.408) [1.043, 2.906]	10.7907 [-26.5106, 14.0321]
<i>Lobule III</i>	4.05 (3.699) [2.720, 3.942]	4.07 (3.716) [2.731, 4.025]	4.04 (3.682) [2.637, 3.912]	-0.9179 [-15.7086, 9.4857]
<i>Lobule IV</i>	5.33 (4.864) [4.093, 4.744]	5.36 (4.888) [4.129, 4.815]	5.30 (4.836) [4.008, 4.718]	-1.0688 [-8.0440, 3.1175]
<i>Lobule V</i>	5.22 (4.760) [4.093, 4.744]	5.19 (4.736) [4.129, 4.815]	5.24 (4.784) [4.008, 4.718]	1.0051 [-8.0440, 3.1175]
<i>Lobule VI</i>	5.09 (4.644) [4.134, 4.755]	5.07 (4.625) [4.115, 4.798]	5.11 (4.663) [4.109, 4.752]	0.8192 [-5.8302, 4.6789]
<i>Lobule Crus I</i>	4.82 (4.394) [3.604, 4.503]	4.78 (4.358) [3.555, 4.523]	4.86 (4.429) [3.559, 4.569]	1.6111 [-9.7557, 10.9807]
<i>Lobule Crus II</i>	4.41 (4.024) [3.329, 4.301]	4.11 (3.746) [3.138, 4.307]	4.74 (4.323) [3.380, 4.423]	14.3348 [-9.4833, 18.9871]
<i>Lobule VIIB</i>	4.58 (4.176) [3.753, 4.656]	4.30 (3.924) [3.593, 4.686]	4.88 (4.448) [3.827, 4.697]	12.5558 [-6.7042, 12.8593]
<i>Lobule VIIIA</i>	4.92 (4.486) [3.935, 4.686]	4.86 (4.430) [3.944, 4.713]	4.97 (4.536) [3.874, 4.705]	2.3491 [-7.2660, 5.4701]
<i>Lobule VIIIB</i>	4.87 (4.446) [3.941, 4.772]	4.83 (4.403) [3.962, 4.832]	4.92 (4.486) [3.785, 4.838]	1.8673 [-13.1963, 9.1579]
<i>Lobule IX</i>	4.18 (3.816) [2.958, 4.364]	3.98 (3.628) [2.894, 4.305]	4.37 (3.989) [2.950, 4.477]	9.4548 [-9.1887, 15.5564]
<i>Lobule X</i>	3.54 (3.232) [2.958, 4.364]	3.43 (3.129) [2.894, 4.305]	3.66 (3.338) [2.950, 4.477]	6.4647 [-9.1887, 15.5564]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) and in relative value (measured in relation to the ICV).

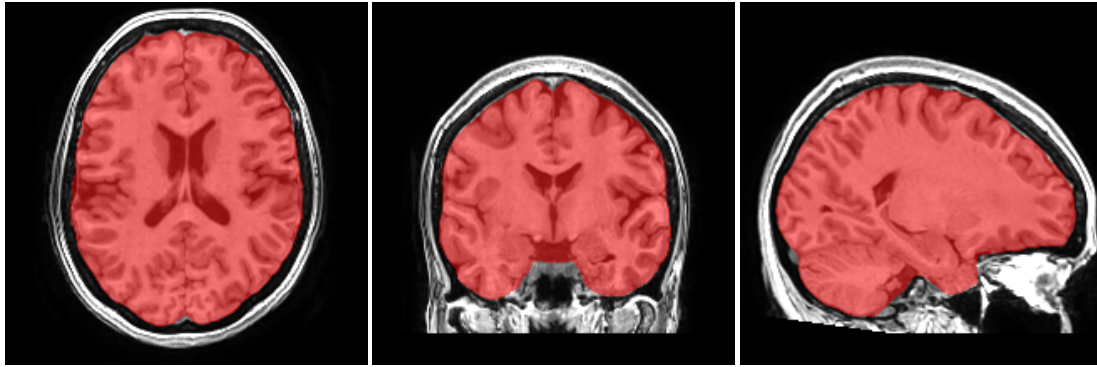
\*The Asymmetry Index is calculated as the difference between right and left volumes divided by their mean (in percent).

\*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).

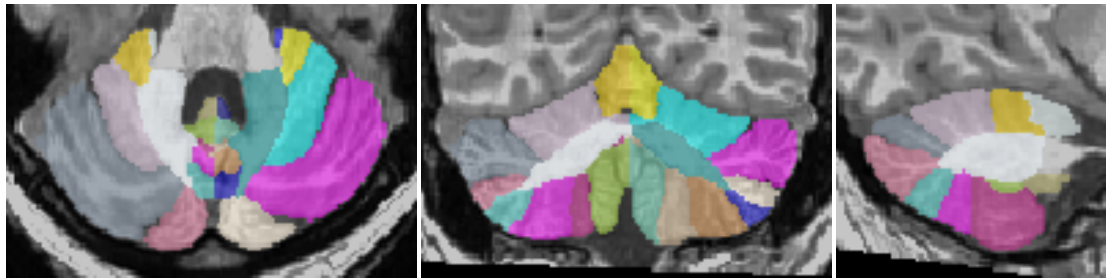
## Intracranial cavity extraction

---



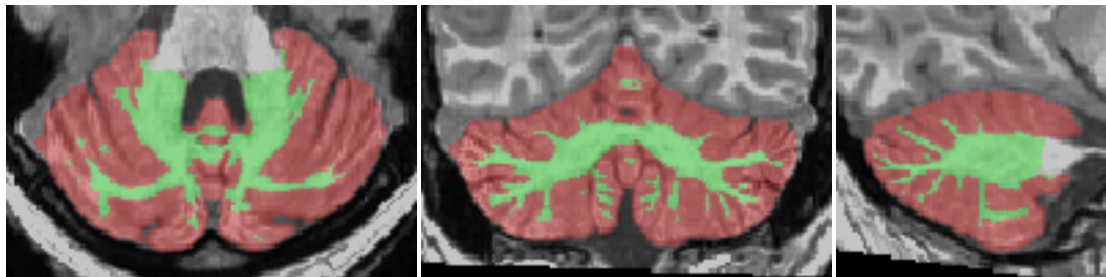
## Lobules segmentation

---



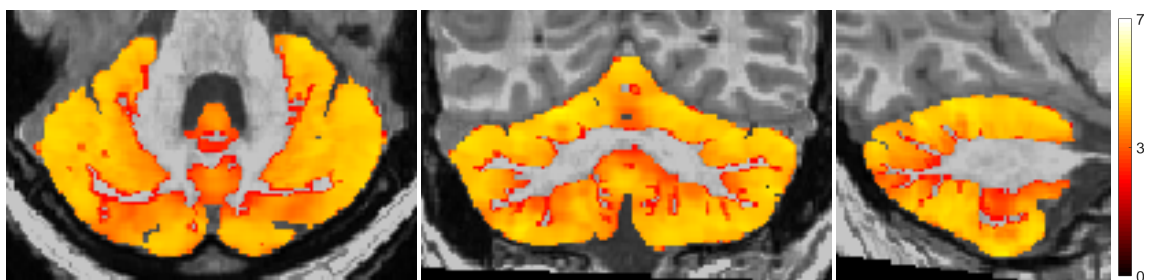
## Tissue classification

---



## Cortical thickness

---



\*All the volumes are presented in absolute value (measured in  $\text{cm}^3$ ) 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).

# CERES Volumetry Report. version 1.0 release 20-06-2016

Patient ID	Sex	Age	Report Date
job12831	Female	51	01-Aug-2016

## Image Information

Orientation	radiological
Scale factor	0.68
SNR	26.09
Total intracranial volume (cm <sup>3</sup> )	1196.46

Volumes	Total (cm <sup>3</sup> /%)	Right (cm <sup>3</sup> /%)	Left (cm <sup>3</sup> /%)	Asym.(%)
<i>Cerebellum</i>	82.87 (6.9260) [8.0874, 10.8762]	42.69 (3.5682) [4.0128, 5.4326]	40.18 (3.3578) [4.0656, 5.4527]	6.0753 [-4.2469, 2.6729]
<i>Lobule I-II</i>	0.12 (0.0098) [0.0037, 0.0147]	0.06 (0.0048) [0.0017, 0.0070]	0.06 (0.0050) [0.0017, 0.0080]	-3.4682 [-48.9993, 26.1489]
<i>Lobule III</i>	1.01 (0.0840) [0.0612, 0.1440]	0.43 (0.0359) [0.0291, 0.0727]	0.58 (0.0481) [0.0302, 0.0732]	-29.2287 [-26.2807, 22.2137]
<i>Lobule IV</i>	2.80 (0.2339) [0.2402, 0.4253]	1.43 (0.1196) [0.1176, 0.2187]	1.37 (0.1143) [0.1132, 0.2160]	4.5200 [-23.3890, 27.9576]
<i>Lobule V</i>	5.81 (0.4856) [0.2402, 0.4253]	2.74 (0.2294) [0.1176, 0.2187]	3.07 (0.2562) [0.1132, 0.2160]	-11.0513 [-23.3890, 27.9576]
<i>Lobule VI</i>	11.94 (0.9976) [1.0075, 1.6421]	6.15 (0.5140) [0.4901, 0.8193]	5.79 (0.4837) [0.5004, 0.8397]	6.0744 [-18.4821, 13.8257]
<i>Lobule Crus I</i>	18.30 (1.5297) [1.4527, 2.4241]	9.31 (0.7779) [0.7117, 1.2097]	8.99 (0.7517) [0.7266, 1.2288]	3.4264 [-14.2749, 10.5402]
<i>Lobule Crus II</i>	10.90 (0.9114) [0.8964, 1.5536]	5.80 (0.4845) [0.4350, 0.7744]	5.11 (0.4269) [0.4438, 0.7967]	12.6364 [-21.0772, 15.7295]
<i>Lobule VIIIB</i>	4.79 (0.4001) [0.5189, 0.8768]	2.38 (0.1990) [0.2484, 0.4387]	2.41 (0.2011) [0.2566, 0.4519]	-1.0513 [-23.8718, 17.9001]
<i>Lobule VIIIA</i>	7.97 (0.6658) [0.6418, 1.0626]	4.26 (0.3559) [0.3117, 0.5502]	3.71 (0.3099) [0.3101, 0.5324]	13.8320 [-19.5235, 23.7662]
<i>Lobule VIIIB</i>	5.53 (0.4624) [0.4466, 0.7412]	2.76 (0.2309) [0.2187, 0.3807]	2.77 (0.2315) [0.2125, 0.3759]	-0.2459 [-21.8334, 25.6088]
<i>Lobule IX</i>	4.98 (0.4159) [0.3713, 0.7343]	2.56 (0.2144) [0.1774, 0.3635]	2.41 (0.2016) [0.1916, 0.3731]	6.1501 [-16.3471, 7.0919]
<i>Lobule X</i>	0.89 (0.0743) [0.3713, 0.7343]	0.45 (0.0379) [0.1774, 0.3635]	0.44 (0.0364) [0.1916, 0.3731]	3.8256 [-16.3471, 7.0919]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).

<b>Grey matter vol.</b>	<b>Total (cm<sup>3</sup>/%)</b>	<b>Right (cm<sup>3</sup>/%)</b>	<b>Left (cm<sup>3</sup>/%)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	63.41 (5.2996) [5.8129, 8.1092]	31.50 (2.6330) [2.9000, 4.0549]	31.91 (2.6666) [2.9025, 4.0646]	-1.2700 [-4.6465, 4.2898]
<i>Lobule I-II</i>	0.08 (0.0068) [0.0020, 0.0088]	0.04 (0.0034) [0.0008, 0.0041]	0.04 (0.0034) [0.0009, 0.0050]	0.0000 [-97.6942, 40.7515]
<i>Lobule III</i>	0.77 (0.0647) [0.0434, 0.1065]	0.28 (0.0234) [0.0208, 0.0543]	0.49 (0.0413) [0.0210, 0.0539]	-81.3229 [-37.5970, 37.4819]
<i>Lobule IV</i>	2.53 (0.2118) [0.2046, 0.3690]	1.22 (0.1018) [0.1002, 0.1915]	1.32 (0.1100) [0.0957, 0.1862]	-11.3644 [-33.0261, 43.0130]
<i>Lobule V</i>	5.18 (0.4332) [0.2046, 0.3690]	2.35 (0.1960) [0.1002, 0.1915]	2.84 (0.2372) [0.0957, 0.1862]	-27.9738 [-33.0261, 43.0130]
<i>Lobule VI</i>	10.55 (0.8820) [0.8827, 1.4611]	5.41 (0.4522) [0.4327, 0.7339]	5.14 (0.4299) [0.4343, 0.7428]	7.4290 [-24.6053, 22.2328]
<i>Lobule Crus I</i>	15.22 (1.2723) [1.1139, 1.9577]	7.69 (0.6424) [0.5487, 0.9790]	7.54 (0.6300) [0.5498, 0.9941]	2.8641 [-22.9118, 19.8324]
<i>Lobule Crus II</i>	8.93 (0.7467) [0.7189, 1.2853]	4.68 (0.3908) [0.3517, 0.6407]	4.26 (0.3560) [0.3520, 0.6597]	13.6998 [-30.4105, 24.6070]
<i>Lobule VIIB</i>	4.21 (0.3517) [0.4293, 0.7469]	1.96 (0.1639) [0.2035, 0.3701]	2.25 (0.1878) [0.2141, 0.3884]	-20.0091 [-37.1918, 23.3797]
<i>Lobule VIIIA</i>	6.83 (0.5711) [0.5381, 0.9120]	3.64 (0.3041) [0.2644, 0.4722]	3.19 (0.2670) [0.2578, 0.4557]	19.1119 [-25.5674, 34.3844]
<i>Lobule VIIIB</i>	4.36 (0.3644) [0.3692, 0.6378]	2.06 (0.1725) [0.1805, 0.3282]	2.30 (0.1919) [0.1749, 0.3235]	-15.6890 [-32.1712, 38.4588]
<i>Lobule IX</i>	3.75 (0.3135) [0.2858, 0.5744]	1.71 (0.1425) [0.1371, 0.2827]	2.05 (0.1709) [0.1460, 0.2944]	-26.6643 [-26.6075, 12.4878]
<i>Lobule X</i>	0.81 (0.0681) [0.2858, 0.5744]	0.41 (0.0346) [0.1371, 0.2827]	0.40 (0.0335) [0.1460, 0.2944]	4.4182 [-26.6075, 12.4878]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).

<b>Cortical thickness</b>	<b>Mean (mm/norm.)</b>	<b>Right (mm/norm.)</b>	<b>Left (mm/norm.)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	4.49 (4.230) [3.885, 4.407]	4.30 (4.049) [3.889, 4.426]	4.68 (4.410) [3.853, 4.416]	8.5519 [-4.8390, 3.7299]
<i>Lobule I-II</i>	1.82 (1.719) [0.780, 2.673]	1.52 (1.434) [0.755, 2.779]	2.20 (2.069) [0.765, 2.613]	36.9553 [-24.2045, 16.0105]
<i>Lobule III</i>	3.31 (3.119) [2.549, 3.761]	2.16 (2.034) [2.547, 3.830]	3.96 (3.734) [2.482, 3.747]	54.4907 [-14.8699, 10.1207]
<i>Lobule IV</i>	4.86 (4.578) [4.156, 4.803]	4.60 (4.338) [4.178, 4.858]	5.13 (4.828) [4.084, 4.789]	10.7115 [-7.3664, 3.7049]
<i>Lobule V</i>	4.83 (4.550) [4.156, 4.803]	4.60 (4.335) [4.178, 4.858]	5.02 (4.732) [4.084, 4.789]	8.7136 [-7.3664, 3.7049]
<i>Lobule VI</i>	4.80 (4.525) [4.160, 4.776]	4.80 (4.518) [4.148, 4.827]	4.81 (4.532) [4.129, 4.767]	0.3064 [-6.0900, 4.3341]
<i>Lobule Crus I</i>	4.46 (4.203) [3.576, 4.468]	4.27 (4.022) [3.534, 4.494]	4.66 (4.386) [3.524, 4.526]	8.6810 [-10.0101, 10.5588]
<i>Lobule Crus II</i>	4.20 (3.954) [3.383, 4.347]	4.03 (3.798) [3.216, 4.376]	4.38 (4.123) [3.411, 4.445]	8.2126 [-10.6657, 17.5747]
<i>Lobule VIIB</i>	4.70 (4.428) [3.778, 4.674]	4.44 (4.179) [3.648, 4.732]	4.93 (4.644) [3.825, 4.689]	10.5132 [-8.0805, 11.3248]
<i>Lobule VIIIA</i>	4.79 (4.511) [3.948, 4.693]	4.71 (4.435) [4.001, 4.762]	4.88 (4.597) [3.844, 4.668]	3.5864 [-9.2493, 3.3839]
<i>Lobule VIIIB</i>	4.51 (4.248) [3.958, 4.782]	4.27 (4.019) [4.010, 4.873]	4.73 (4.454) [3.769, 4.814]	10.2402 [-14.5821, 7.5914]
<i>Lobule IX</i>	3.65 (3.443) [2.842, 4.237]	2.80 (2.634) [2.817, 4.216]	4.37 (4.118) [2.802, 4.316]	43.0920 [-11.1638, 13.3813]
<i>Lobule X</i>	2.30 (2.171) [2.842, 4.237]	2.24 (2.113) [2.817, 4.216]	2.37 (2.228) [2.802, 4.316]	5.3089 [-11.1638, 13.3813]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) and in relative value (measured in relation to the ICV).

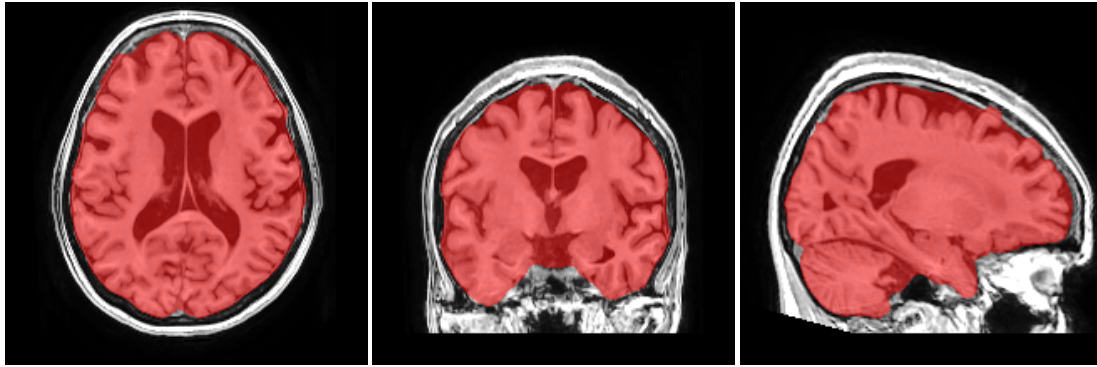
\*The Asymmetry Index is calculated as the difference between right and left volumes divided by their mean (in percent).

\*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).

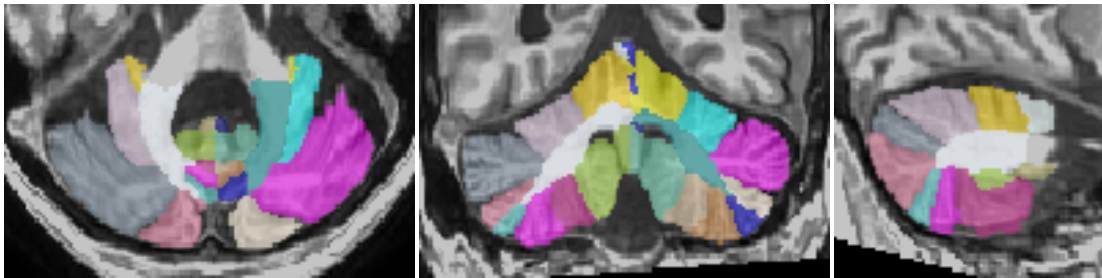
## Intracranial cavity extraction

---



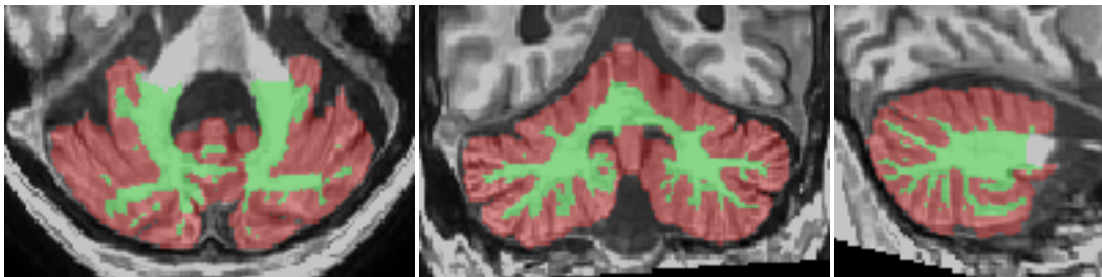
## Lobules segmentation

---



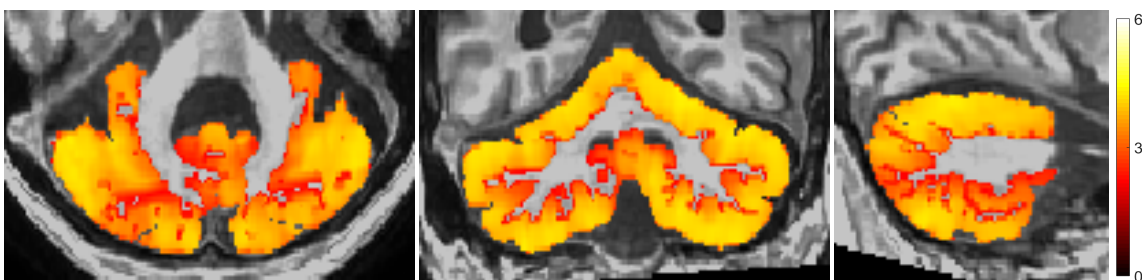
## Tissue classification

---



## Cortical thickness

---



\*All the volumes are presented in absolute value (measured in  $\text{cm}^3$ ) 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).

# CERES Volumetry Report. version 1.0 release 20-06-2016

Patient ID	Sex	Age	Report Date
job12389	Male	66	26-Jul-2016

## Image Information

Orientation	radiological
Scale factor	0.80
SNR	15.15
Total intracranial volume (cm <sup>3</sup> )	1439.56

Volumes	Total (cm <sup>3</sup> /%)	Right (cm <sup>3</sup> /%)	Left (cm <sup>3</sup> /%)	Asym.(%)
Cerebellum	97.56 (6.7773) [7.4574, 10.1187]	48.43 (3.3644) [3.7089, 5.0453]	49.13 (3.4128) [3.7389, 5.0829]	-1.4284 [-4.2394, 2.7249]
Lobule I-II	0.11 (0.0073) [0.0037, 0.0126]	0.05 (0.0032) [0.0016, 0.0063]	0.06 (0.0042) [0.0018, 0.0067]	-27.2727 [-46.9129, 32.7484]
Lobule III	0.79 (0.0549) [0.0571, 0.1370]	0.40 (0.0279) [0.0270, 0.0694]	0.39 (0.0270) [0.0278, 0.0699]	3.2323 [-27.0067, 24.1824]
Lobule IV	3.69 (0.2566) [0.2170, 0.3980]	1.80 (0.1247) [0.1072, 0.2060]	1.90 (0.1319) [0.1003, 0.2014]	-5.6180 [-21.6260, 28.9589]
Lobule V	6.86 (0.4763) [0.2170, 0.3980]	3.35 (0.2329) [0.1072, 0.2060]	3.50 (0.2434) [0.1003, 0.2014]	-4.4237 [-21.6260, 28.9589]
Lobule VI	16.19 (1.1248) [0.9188, 1.5029]	8.34 (0.5794) [0.4527, 0.7482]	7.85 (0.5454) [0.4513, 0.7694]	6.0534 [-16.4985, 13.8644]
Lobule Crus I	18.89 (1.3123) [1.3306, 2.2618]	9.44 (0.6560) [0.6419, 1.1308]	9.45 (0.6563) [0.6670, 1.1528]	-0.0507 [-17.9055, 12.6300]
Lobule Crus II	10.56 (0.7334) [0.7611, 1.4510]	4.97 (0.3455) [0.3663, 0.7257]	5.58 (0.3878) [0.3766, 0.7435]	-11.5370 [-21.6036, 16.7611]
Lobule VII B	6.51 (0.4521) [0.4486, 0.8246]	2.88 (0.2004) [0.2129, 0.4146]	3.62 (0.2517) [0.2163, 0.4294]	-22.7128 [-28.9700, 23.6804]
Lobule VIIIA	9.83 (0.6829) [0.6353, 1.0200]	5.11 (0.3547) [0.3102, 0.5190]	4.72 (0.3282) [0.3017, 0.5244]	7.7623 [-21.9787, 22.7263]
Lobule VIIIB	7.77 (0.5396) [0.4243, 0.7634]	3.92 (0.2724) [0.2046, 0.3996]	3.85 (0.2672) [0.1974, 0.3862]	1.9318 [-23.7094, 30.5354]
Lobule IX	5.43 (0.3771) [0.3302, 0.6610]	2.65 (0.1842) [0.1588, 0.3264]	2.78 (0.1929) [0.1686, 0.3374]	-4.6170 [-16.4572, 7.7216]
Lobule X	1.27 (0.0882) [0.3302, 0.6610]	0.59 (0.0411) [0.1588, 0.3264]	0.68 (0.0470) [0.1686, 0.3374]	-13.3333 [-16.4572, 7.7216]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).



<b>Grey matter vol.</b>	<b>Total (cm<sup>3</sup>/%)</b>	<b>Right (cm<sup>3</sup>/%)</b>	<b>Left (cm<sup>3</sup>/%)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	<b>73.58 (5.1116)</b> [5.4686, 7.6427]	<b>36.54 (2.5382)</b> [2.7305, 3.8006]	<b>37.04 (2.5733)</b> [2.7265, 3.8536]	-1.3732 [-5.4224, 4.0091]
<i>Lobule I-II</i>	0.08 (0.0053) [0.0023, 0.0078]	0.03 (0.0022) [0.0008, 0.0039]	0.04 (0.0030) [0.0012, 0.0042]	-39.5640 [-85.3863, 44.8728]
<i>Lobule III</i>	<b>0.59 (0.0411)</b> [0.0425, 0.1034]	0.32 (0.0223) [0.0203, 0.0534]	<b>0.27 (0.0189)</b> [0.0203, 0.0520]	20.9373 [-33.3687, 37.6050]
<i>Lobule IV</i>	3.12 (0.2171) [0.1886, 0.3524]	1.58 (0.1100) [0.0929, 0.1844]	1.54 (0.1071) [0.0870, 0.1769]	3.3922 [-26.4349, 38.6713]
<i>Lobule V</i>	<b>6.14 (0.4262)</b> [0.1886, 0.3524]	<b>3.06 (0.2129)</b> [0.0929, 0.1844]	<b>3.07 (0.2134)</b> [0.0870, 0.1769]	-0.2934 [-26.4349, 38.6713]
<i>Lobule VI</i>	14.79 (1.0271) [0.8141, 1.3527]	7.74 (0.5377) [0.4057, 0.6766]	7.04 (0.4894) [0.3946, 0.6899]	11.7954 [-19.5199, 19.8684]
<i>Lobule Crus I</i>	15.96 (1.1087) [1.0431, 1.8471]	8.13 (0.5650) [0.5062, 0.9261]	7.83 (0.5437) [0.5162, 0.9417]	4.8242 [-23.4796, 19.0748]
<i>Lobule Crus II</i>	<b>8.40 (0.5836)</b> [0.6128, 1.2030]	<b>3.95 (0.2742)</b> [0.2914, 0.6018]	4.45 (0.3094) [0.3042, 0.6184]	-15.1176 [-29.2620, 21.3180]
<i>Lobule VIIB</i>	5.34 (0.3713) [0.3692, 0.7072]	<b>2.34 (0.1626)</b> [0.1712, 0.3507]	3.00 (0.2087) [0.1820, 0.3724]	-31.1344 [-40.1820, 25.2893]
<i>Lobule VIIIA</i>	8.04 (0.5587) [0.5327, 0.8861]	4.10 (0.2849) [0.2603, 0.4495]	3.94 (0.2738) [0.2529, 0.4562]	4.9736 [-27.8240, 28.4035]
<i>Lobule VIIIB</i>	5.47 (0.3797) [0.3604, 0.6643]	2.51 (0.1744) [0.1732, 0.3467]	2.95 (0.2053) [0.1684, 0.3363]	-20.3443 [-30.5021, 37.4658]
<i>Lobule IX</i>	4.29 (0.2979) [0.2634, 0.5310]	2.10 (0.1461) [0.1265, 0.2601]	2.19 (0.1518) [0.1339, 0.2739]	-4.8034 [-24.0148, 10.2931]
<i>Lobule X</i>	<b>1.16 (0.0807)</b> [0.2634, 0.5310]	<b>0.55 (0.0379)</b> [0.1265, 0.2601]	<b>0.62 (0.0428)</b> [0.1339, 0.2739]	-15.1445 [-24.0148, 10.2931]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) 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).



<b>Cortical thickness</b>	<b>Mean (mm/norm.)</b>	<b>Right (mm/norm.)</b>	<b>Left (mm/norm.)</b>	<b>Asym.(%)</b>
<i>Cerebellum</i>	4.29 (3.799) [3.779, 4.313]	4.28 (3.791) [3.788, 4.314]	4.30 (3.807) [3.751, 4.330]	0.4181 [-3.9188, 3.3770]
<i>Lobule I-II</i>	2.78 (2.466) [0.948, 2.558]	2.83 (2.505) [0.939, 2.643]	2.75 (2.433) [0.933, 2.498]	-2.9218 [-21.6146, 13.5353]
<i>Lobule III</i>	3.46 (3.062) [2.617, 3.665]	3.68 (3.256) [2.650, 3.748]	3.19 (2.824) [2.514, 3.632]	-14.1158 [-15.7606, 7.6315]
<i>Lobule IV</i>	4.84 (4.284) [4.094, 4.662]	4.94 (4.376) [4.128, 4.716]	4.74 (4.196) [4.017, 4.645]	-4.2010 [-7.0100, 2.8454]
<i>Lobule V</i>	5.04 (4.463) [4.094, 4.662]	5.21 (4.611) [4.128, 4.716]	4.87 (4.316) [4.017, 4.645]	-6.6238 [-7.0100, 2.8454]
<i>Lobule VI</i>	5.15 (4.561) [4.058, 4.654]	5.26 (4.656) [4.069, 4.691]	5.03 (4.457) [4.008, 4.653]	-4.3508 [-6.0584, 3.7732]
<i>Lobule Crus I</i>	4.24 (3.759) [3.470, 4.395]	4.31 (3.816) [3.455, 4.410]	4.18 (3.701) [3.419, 4.440]	-3.0484 [-9.0303, 8.7995]
<i>Lobule Crus II</i>	3.46 (3.065) [3.283, 4.215]	3.31 (2.936) [3.141, 4.211]	3.59 (3.180) [3.312, 4.318]	7.9857 [-8.5093, 15.9776]
<i>Lobule VIIB</i>	4.13 (3.659) [3.674, 4.447]	3.88 (3.439) [3.542, 4.448]	4.32 (3.828) [3.730, 4.507]	10.6247 [-5.1497, 11.3621]
<i>Lobule VIIIA</i>	4.38 (3.881) [3.873, 4.475]	4.28 (3.791) [3.875, 4.519]	4.49 (3.974) [3.811, 4.484]	4.7126 [-7.5543, 5.1675]
<i>Lobule VIIIB</i>	3.69 (3.269) [3.969, 4.608]	3.18 (2.813) [3.989, 4.677]	4.13 (3.660) [3.842, 4.636]	25.9176 [-10.9986, 6.6158]
<i>Lobule IX</i>	3.26 (2.889) [2.831, 4.120]	3.13 (2.768) [2.743, 4.118]	3.39 (3.005) [2.859, 4.172]	8.2076 [-8.4230, 13.4052]
<i>Lobule X</i>	2.09 (1.847) [2.831, 4.120]	2.13 (1.885) [2.743, 4.118]	2.05 (1.814) [2.859, 4.172]	-3.8363 [-8.4230, 13.4052]

\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) and in relative value (measured in relation to the ICV).

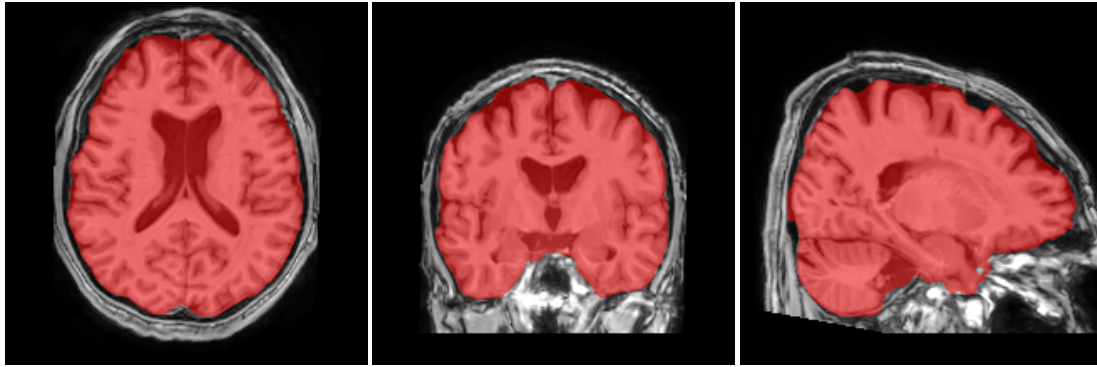
\*The Asymmetry Index is calculated as the difference between right and left volumes divided by their mean (in percent).

\*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).

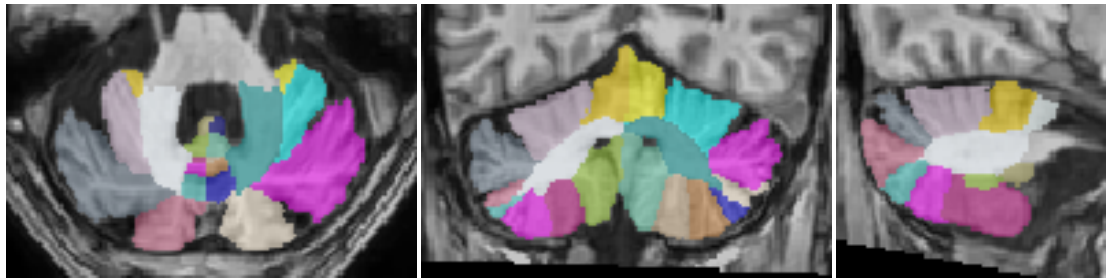
## Intracranial cavity extraction

---



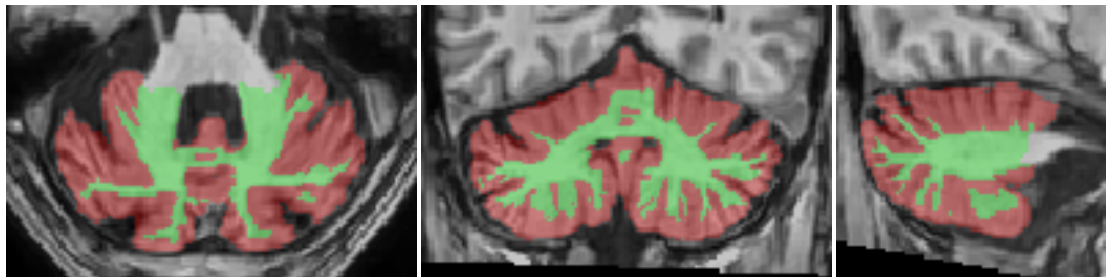
## Lobules segmentation

---



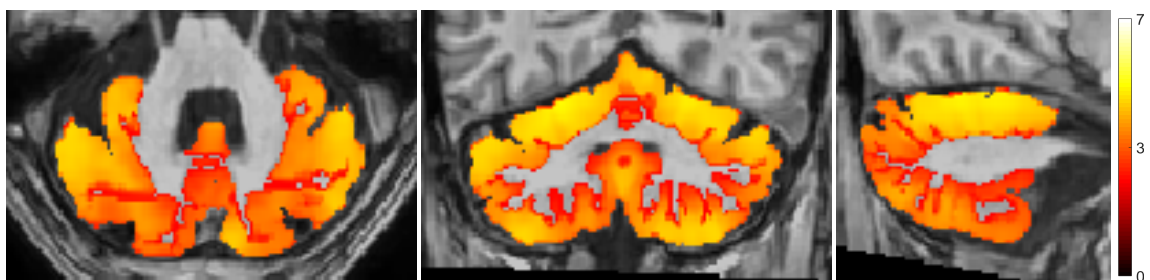
## Tissue classification

---



## Cortical thickness

---



\*All the volumes are presented in absolute value (measured in  $\text{cm}^3$ ) 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).