

volBrain Volumetry Report. version 1.0 release 04-03-2015

Patient ID	Sex	Age	Report Date
job3204	Male	33	03-Sep-2015

Tissue type	Volume (cm ³ /%)	Image information
White Matter (WM)	632.15 (38.99%) [33.09, 45.30]	Orientation neurological
Grey Matter (GM)	774.93 (47.79%) [43.84, 55.11]	Scale factor 0.88
Cerebro Spinal Fluid (CSF)	214.38 (13.22%) [6.03, 16.63]	SNR 32.18
Brain (WM + GM)	1407.09 (86.78%) [83.37, 93.97]	
Intracranial Cavity (IC)	1621.46 (100.00%)	

Structure

Cerebrum	Total (cm ³ /%)	Right (cm ³ /%)	Left (cm ³ /%)	Asym.(%)
	1219.21 (75.19%) [72.07, 82.16]	609.16 (37.57%) [35.99, 41.19]	610.05 (37.62%) [36.04, 41.01]	-0.1464 [-1.54, 1.85]

GM	WM	GM	WM	GM	WM
648.56 (40.00%) [37.14, 46.64]	570.65 (35.19%) [29.85, 40.62]	324.56 (20.02%) [18.56, 23.33]	284.60 (17.55%) [14.90, 20.40]	324.01 (19.98%) [18.57, 23.32]	286.05 (17.64%) [14.93, 20.23]

Cerebellum	Total (cm ³ /%)	Right (cm ³ /%)	Left (cm ³ /%)	Asym.(%)
	159.71 (9.85%) [8.54, 11.09]	78.16 (4.82%) [4.23, 5.56]	81.55 (5.03%) [4.29, 5.55]	-4.2525 [-5.42, 4.36]

GM	WM	GM	WM	GM	WM
121.98 (7.52%) [5.94, 8.60]	37.73 (2.33%) [1.69, 3.40]	59.34 (3.66%) [2.91, 4.28]	18.82 (1.16%) [0.85, 1.75]	62.64 (3.86%) [3.02, 4.34]	18.91 (1.17%) [0.83, 1.65]

Brainstem	Total (cm ³ /%)
	28.16 (1.74%) [1.49, 1.99]

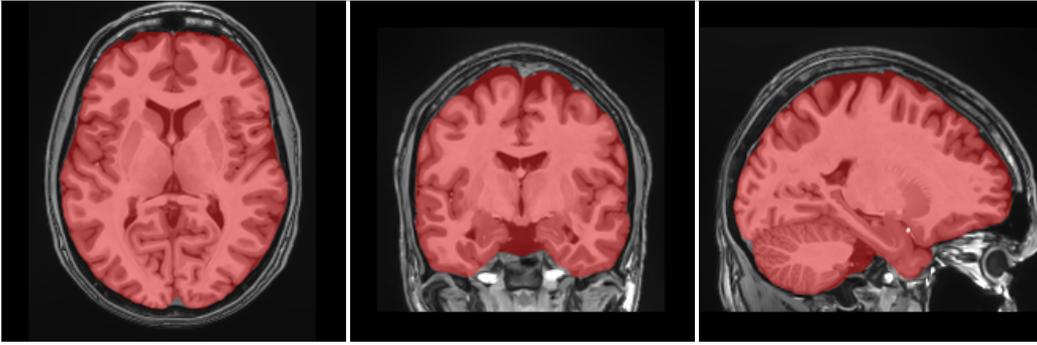
Structure	Total (cm ³ /%)	Right (cm ³ /%)	Left (cm ³ /%)	Asymmetry (%)
Lateral ventricles	14.12 (0.87%) [0.00, 1.97]	7.98 (0.49%) [0.00, 1.00]	6.14 (0.38%) [0.00, 1.02]	26.0880 [-68.2494, 55.52]
Caudate	7.67 (0.47%) [0.41, 0.60]	3.92 (0.24%) [0.21, 0.30]	3.76 (0.23%) [0.20, 0.30]	4.1648 [-6.1188, 8.82]
Putamen	9.53 (0.59%) [0.49, 0.71]	4.62 (0.28%) [0.24, 0.35]	4.91 (0.30%) [0.25, 0.36]	-6.2293 [-7.8010, 4.70]
Thalamus	13.17 (0.81%) [0.72, 0.93]	6.55 (0.40%) [0.36, 0.46]	6.62 (0.41%) [0.36, 0.47]	-0.9998 [-9.0223, 5.25]
Globus Pallidus	2.99 (0.18%) [0.14, 0.21]	1.48 (0.09%) [0.07, 0.11]	1.51 (0.09%) [0.07, 0.11]	-1.5840 [-12.3697, 12.30]
Hippocampus	9.45 (0.58%) [0.46, 0.64]	4.79 (0.30%) [0.23, 0.33]	4.66 (0.29%) [0.23, 0.32]	2.6568 [-9.5200, 12.48]
Amygdala	2.11 (0.13%) [0.09, 0.15]	1.02 (0.06%) [0.05, 0.07]	1.09 (0.07%) [0.05, 0.07]	-6.1667 [-15.2340, 19.77]
Accumbens	0.82 (0.05%) [0.03, 0.07]	0.37 (0.02%) [0.01, 0.03]	0.45 (0.03%) [0.02, 0.04]	-20.8955 [-40.6186, 12.76]

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

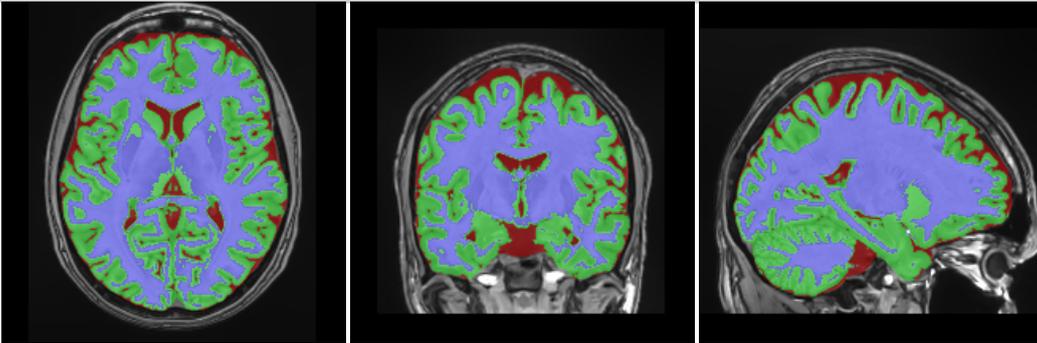
*The Asymmetry Index is calculated as the difference between right and left volumes divided by their mean (in percent).

*Expected lower and upper bounds (95%) of normalized volume in function of sex and age for each measure are provided (between brackets) for reference purpose.

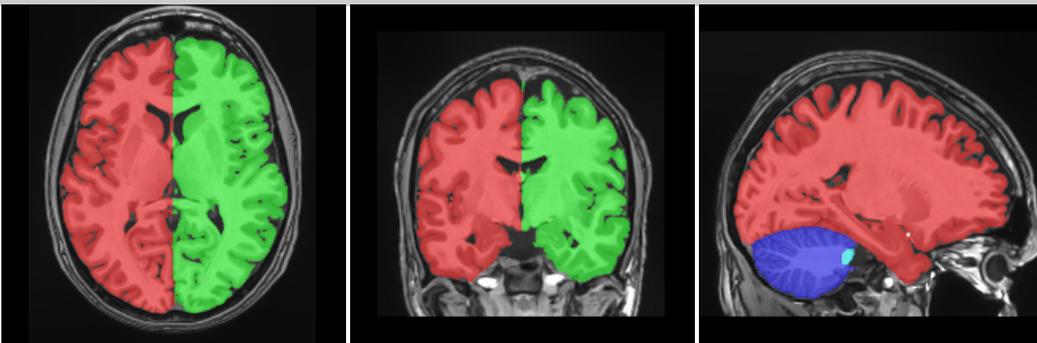
Intracranial cavity extraction



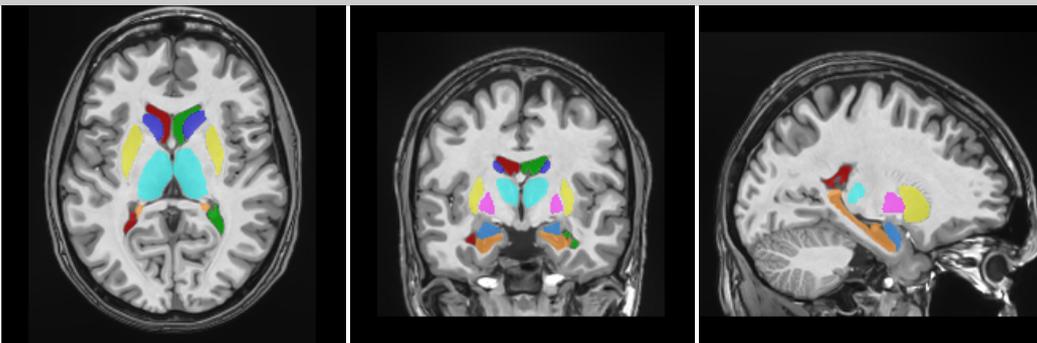
Tissue classification



Macrostructures



Subcortical structures



**All the result images are located in the MNI space (neurological orientation).*