

# volBrain Volumetry Report. version 1.0 release 01-12-2014

Patient ID	Sex	Age	Report Date
job567	UNKNOWN	UNKNOWN	03-Dec-2014

Image Information	
Orientation	radiological
Scale factor	0.87
SNR	52.84

Tissue type	Volume (cm <sup>3</sup> /%)
White Matter (WM)	572.10 (36.50%)
Grey Matter (GM)	783.55 (49.99%)
Cerebro Spinal Fluid (CSF)	211.72 (13.51%)
Brain (WM + GM)	1355.65 (86.49%)
Intracranial Cavity (IC)	1567.37 (100.00%)

Structure				
Cerebrum	Total (cm <sup>3</sup> /%)	Right (cm <sup>3</sup> /%)	Left (cm <sup>3</sup> /%)	Asym.(%)
	1179.97 (75.28%)	587.76 (37.50%)	592.21 (37.78%)	-0.7550

GM	WM	GM	WM	GM	WM
658.93	521.04	327.86	259.90	331.07	261.14
(42.04%)	(33.24%)	(20.92%)	(16.58%)	(21.12%)	(16.66%)

Cerebellum	Total (cm <sup>3</sup> /%)	Right (cm <sup>3</sup> /%)	Left (cm <sup>3</sup> /%)	Asym.(%)
	148.21 ( 9.46%)	74.44 ( 4.75%)	73.77 ( 4.71%)	0.8994

GM	WM	GM	WM	GM	WM
119.35	28.85	59.64	14.80	59.71	14.06
( 7.61%)	( 1.84%)	( 3.80%)	( 0.94%)	( 3.81%)	( 0.90%)

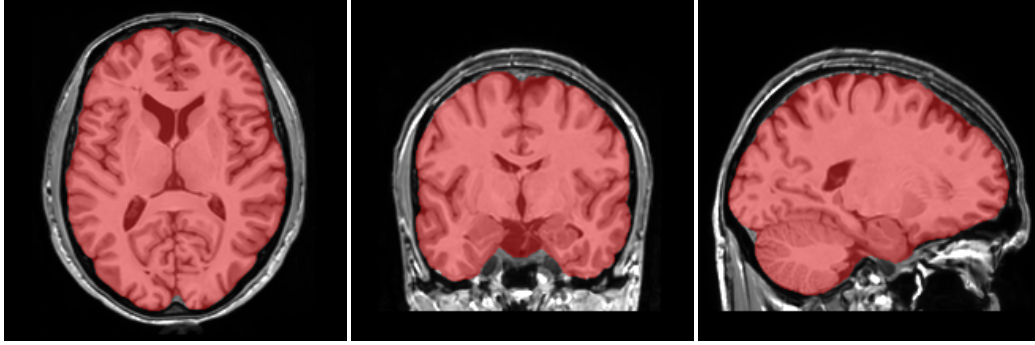
Brainstem	Total (cm <sup>3</sup> /%)
	27.51 ( 1.75%)

Structure	Total (cm <sup>3</sup> /%)	Right (cm <sup>3</sup> /%)	Left (cm <sup>3</sup> /%)	Asymmetry (%)
Lateral ventricles	13.81 ( 0.88%)	4.89 ( 0.31%)	8.92 ( 0.57%)	-58.4802
Caudate	6.27 ( 0.40%)	3.28 ( 0.21%)	2.99 ( 0.19%)	9.1794
Putamen	8.72 ( 0.56%)	4.33 ( 0.28%)	4.39 ( 0.28%)	-1.4412
Thalamus	12.87 ( 0.82%)	5.97 ( 0.38%)	6.90 ( 0.44%)	-14.3690
Globus Pallidus	2.90 ( 0.19%)	1.51 ( 0.10%)	1.40 ( 0.09%)	7.6923
Hippocampus	10.33 ( 0.66%)	5.18 ( 0.33%)	5.15 ( 0.33%)	0.5069
Amigdala	1.89 ( 0.12%)	0.92 ( 0.06%)	0.97 ( 0.06%)	-4.8825
Accumbens	0.89 ( 0.06%)	0.32 ( 0.02%)	0.57 ( 0.04%)	-56.4405

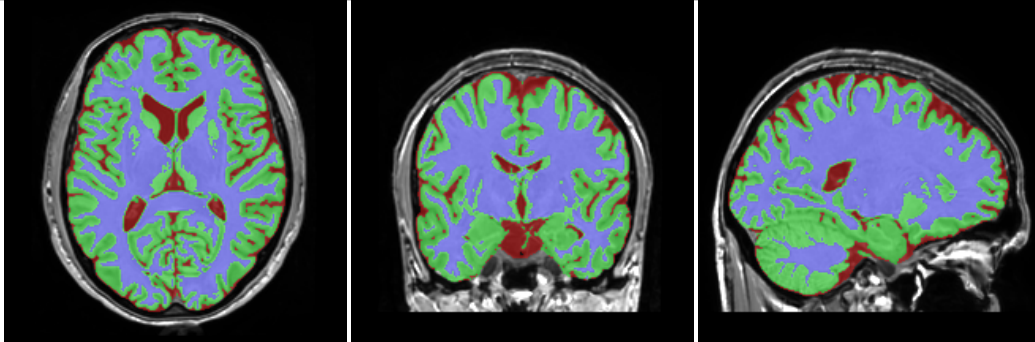
*\*All the volumes are presented in absolute value (measured in cm<sup>3</sup>) and in relative value (measured in relation to the ICV).*

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

### Intracranial cavity extraction



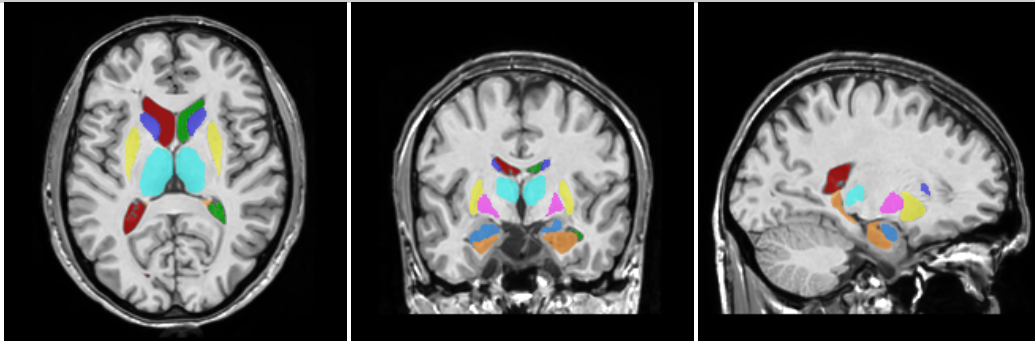
### Tissue classification



### Macrostructures



### Subcortical structures



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