volBrain.upv.es

HIPS Volumetry Report

Patient ID	Sex	Age	Report Date
job217722t1	Male	72	08-Jun-2020

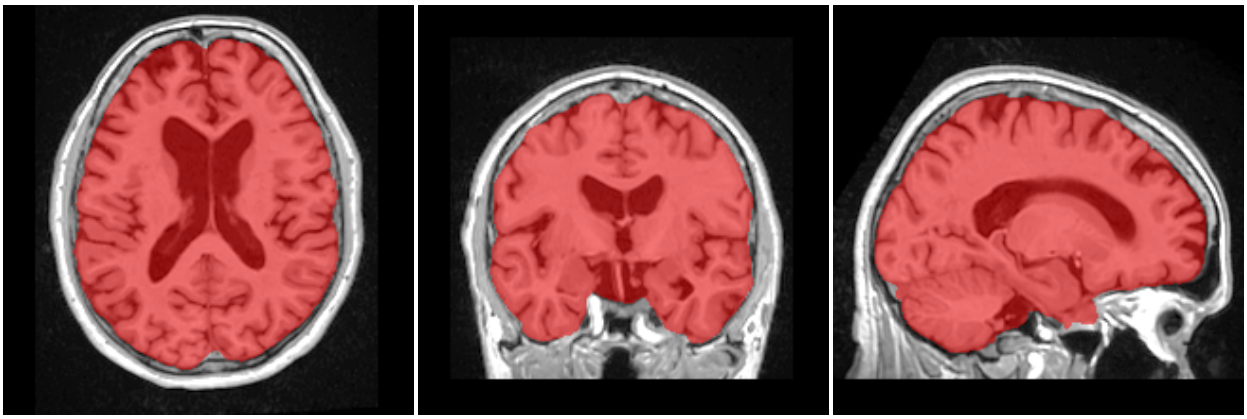
Image Information

Orientation[1]	neurological
Scale factor	0.85
Total intracranial volume (cm^3)	1552.56

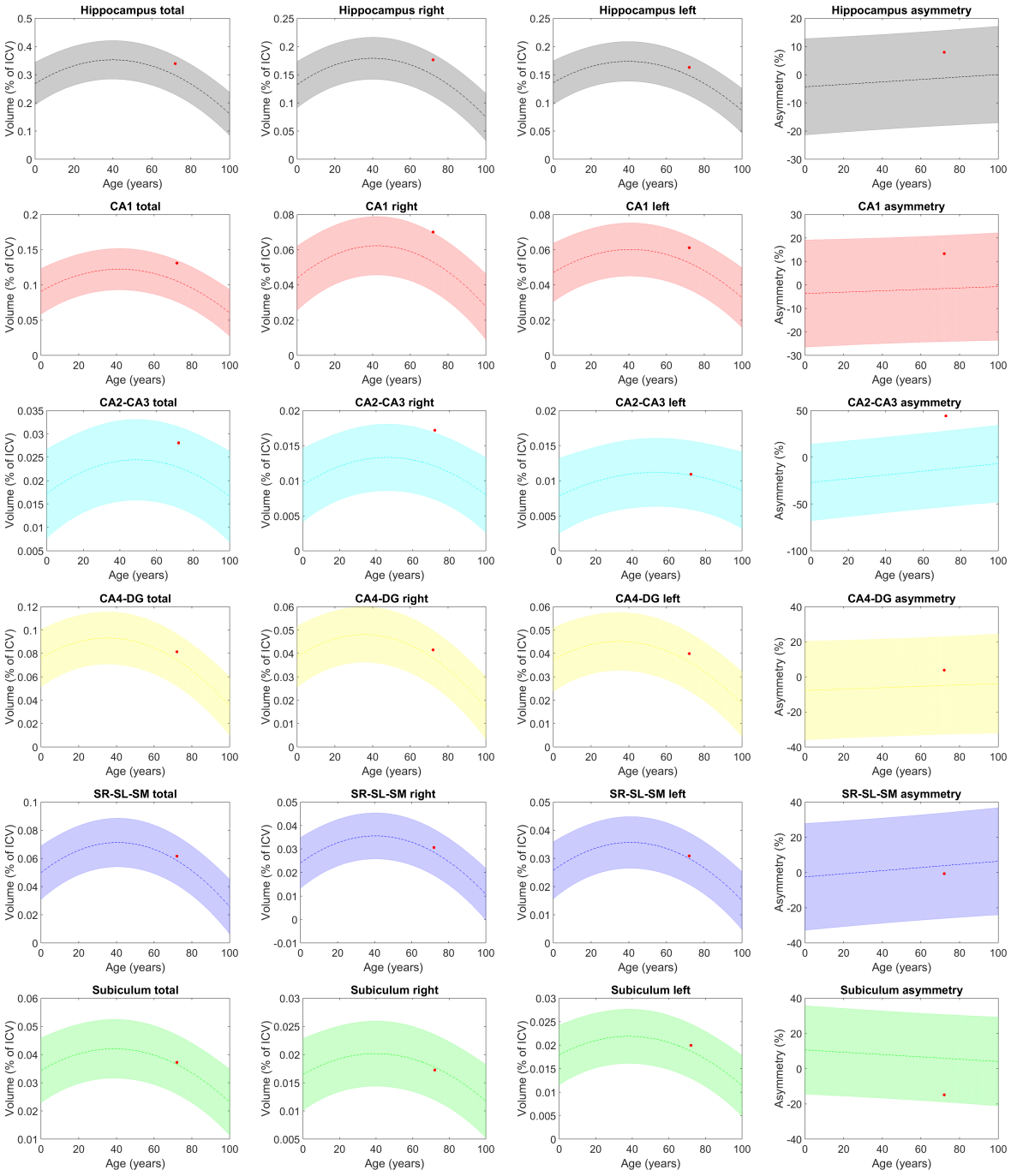
Segmentation protocol: Winterburn[2]

Volumes[3]	Total (cm^3/%)	Right (cm^3/%)	Left (cm^3/%)	Asym.(%)[4]
Hippocampus	5.28 (0.3398)	2.74 (0.1767)	2.53 (0.1631)	8.0411
	[0.23 - 0.37]	[0.11 - 0.19]	[0.11 - 0.19]	[-18.09 - 15.66]
CA1	2.04 (0.1312)	1.09 (0.0700)	0.95 (0.0612)	13.4004
	[0.08 - 0.14]	[0.04 - 0.07]	[0.04 - 0.07]	[-24.13 - 20.97]
CA2-CA3	0.44 (0.0281)	0.27 (0.0172)	0.17 (0.0109)	44.2868
	[0.01 - 0.03]	[0.01 - 0.02]	[0.01 - 0.02]	[-53.05 - 27.83]
CA4-DG	1.27 (0.0816)	0.65 (0.0416)	0.62 (0.0400)	3.9143
	[0.05 - 0.10]	[0.03 - 0.05]	[0.02 - 0.05]	[-32.77 - 22.78]
SR-SL-SM	0.96 (0.0617)	0.48 (0.0307)	0.48 (0.0309)	-0.6246
	[0.04 - 0.08]	[0.02 - 0.04]	[0.02 - 0.04]	[-26.14 - 33.74]
Subiculum	0.58 (0.0373)	0.27 (0.0172)	0.31 (0.0200)	-14.8107
	[0.03 - 0.05]	[0.01 - 0.02]	[0.01 - 0.02]	[-18.84 - 30.76]

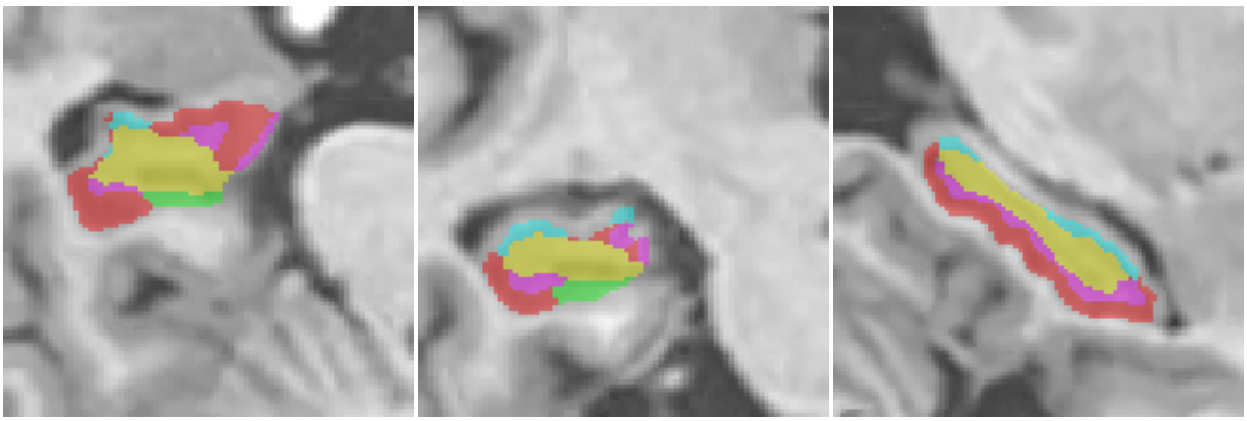
Intracranial cavity extraction



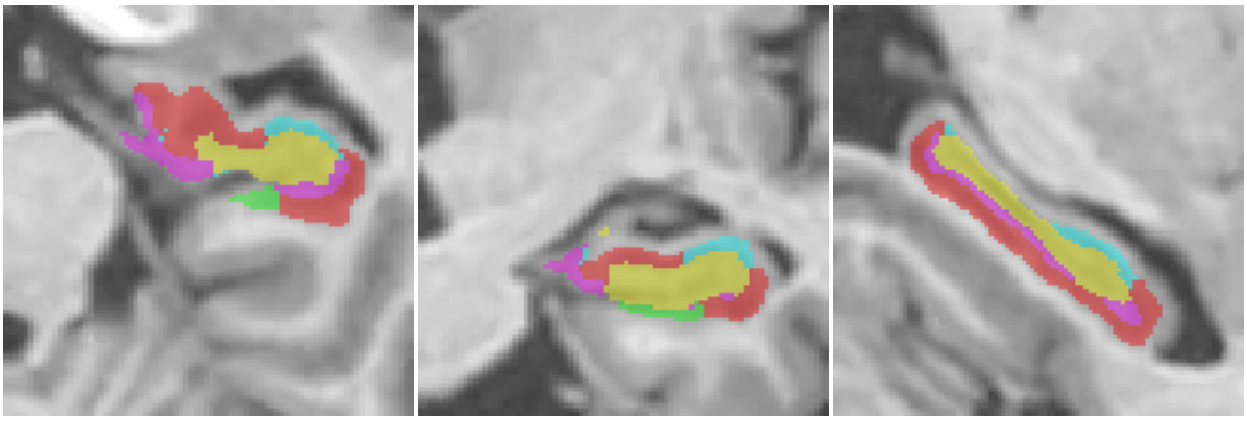
Expected volumes



Left hippocampus



Right hippocampus



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

[2] *For detais about the segmentation protocol see the paper: Winterburn, J.L., Pruessner, J.C., Chavez, S., Schira, M.M., Lobaugh, N.J., Voineskos, A.N., Chakravarty, M.M., 2013. A novel in vivo atlas of human hippocampal subfields using high-resolution 3 T magnetic resonance imaging. NeuroImage 74, 254 - 265.*

[3] *All the volumes are presented in absolute value (measured in cm^3) and in relative value (measured in relation to the ICV).*

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