volBrain.upv.es
HIPS Volumetry Report

Patient ID	Sex	Age	Report Date
job217034t1	Male	76	05-Jun-2020

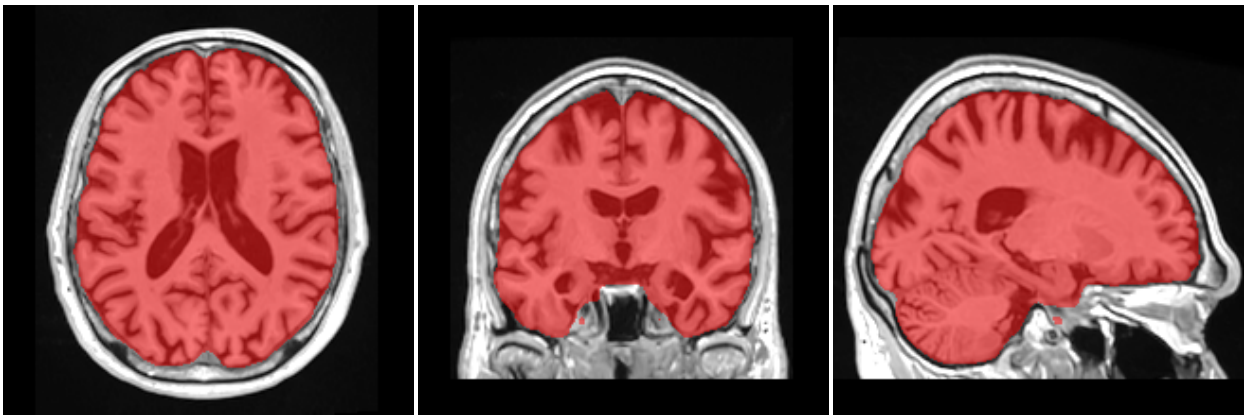
Image Information

Orientation[1]	neurological
Scale factor	0.73
Total intracranial volume (cm^3)	1305.62

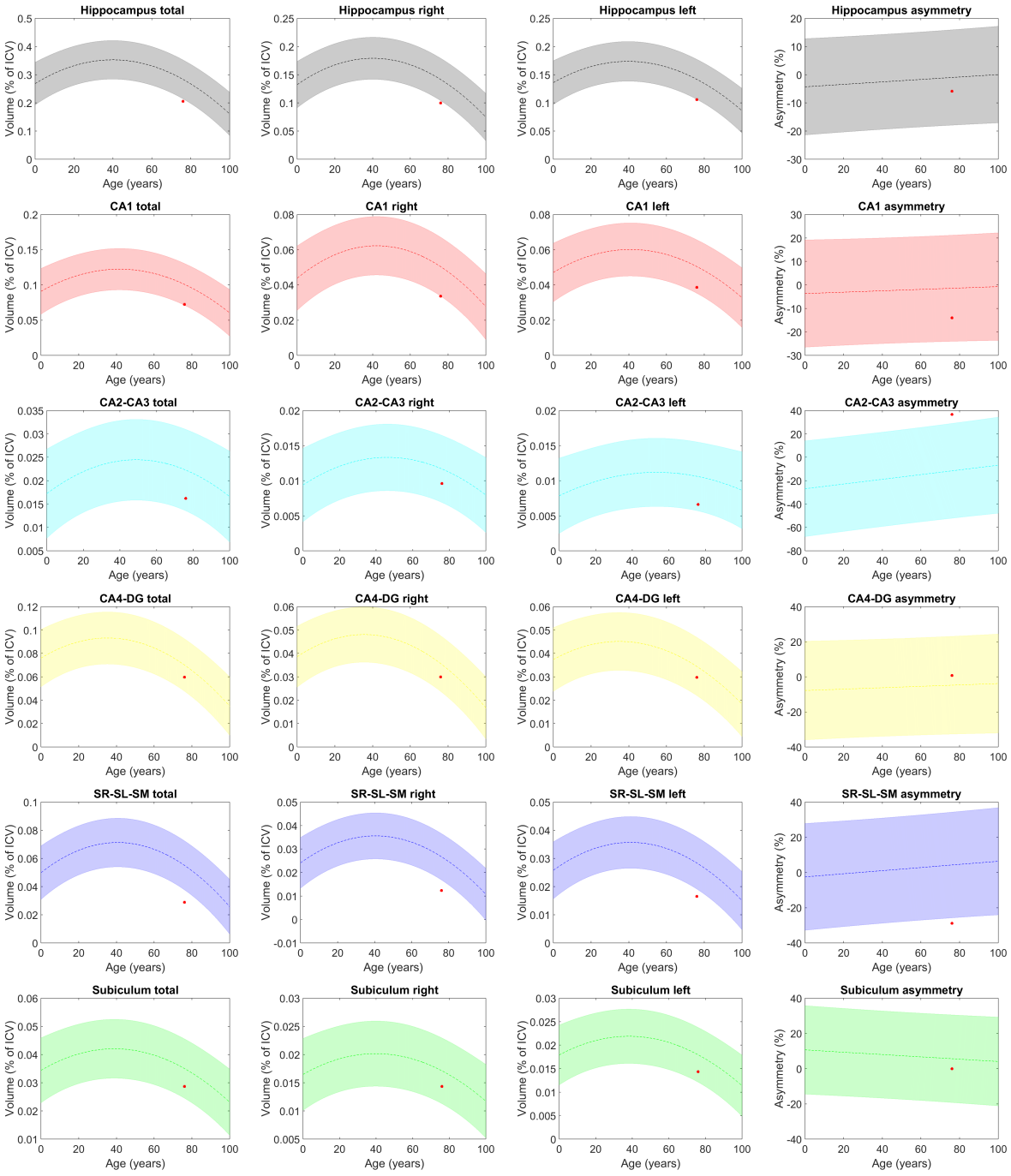
Segmentation protocol: Winterburn[2]

Volumes[3]	Total (cm^3/%)	Right (cm^3/%)	Left (cm^3/%)	Asym.(%)[4]
Hippocampus	2.69 (0.2058)	1.30 (0.0999)	1.38 (0.1059)	-5.8309
	[0.22 - 0.36]	[0.11 - 0.18]	[0.11 - 0.18]	[-17.94 - 15.86]
CA1	0.94 (0.0723)	0.44 (0.0336)	0.50 (0.0387)	-13.9822
	[0.07 - 0.13]	[0.03 - 0.07]	[0.04 - 0.07]	[-24.04 - 21.12]
CA2-CA3	0.21 (0.0162)	0.13 (0.0096)	0.09 (0.0066)	36.7312
	[0.01 - 0.03]	[0.01 - 0.02]	[0.01 - 0.02]	[-52.30 - 28.69]
CA4-DG	0.78 (0.0597)	0.39 (0.0300)	0.39 (0.0297)	0.7944
	[0.05 - 0.09]	[0.02 - 0.05]	[0.02 - 0.05]	[-32.65 - 22.98]
SR-SL-SM	0.38 (0.0289)	0.16 (0.0124)	0.22 (0.0165)	-28.7784
	[0.04 - 0.07]	[0.02 - 0.04]	[0.02 - 0.04]	[-25.82 - 34.13]
Subiculum	0.37 (0.0287)	0.19 (0.0144)	0.19 (0.0144)	-0.0486
	[0.02 - 0.05]	[0.01 - 0.02]	[0.01 - 0.02]	[-19.14 - 30.54]

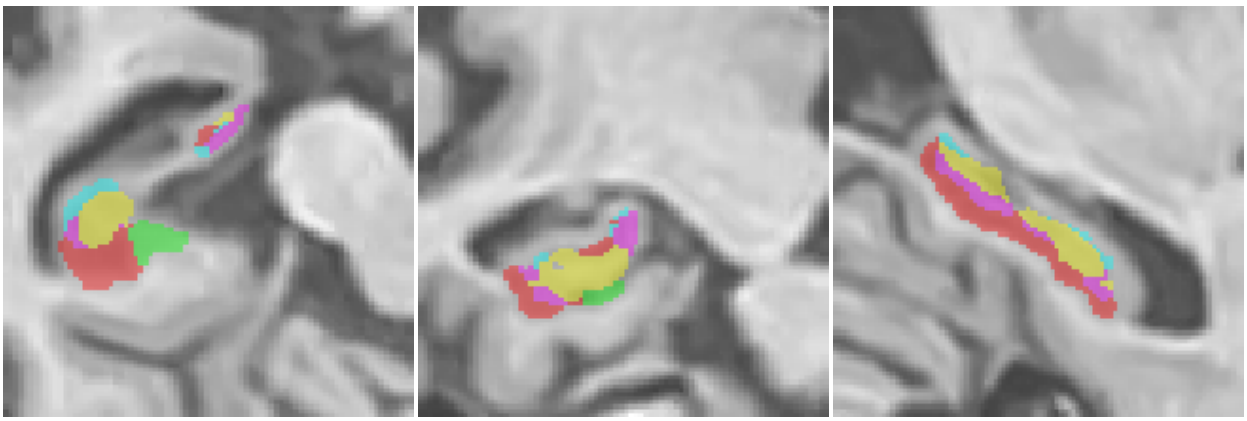
Intracranial cavity extraction



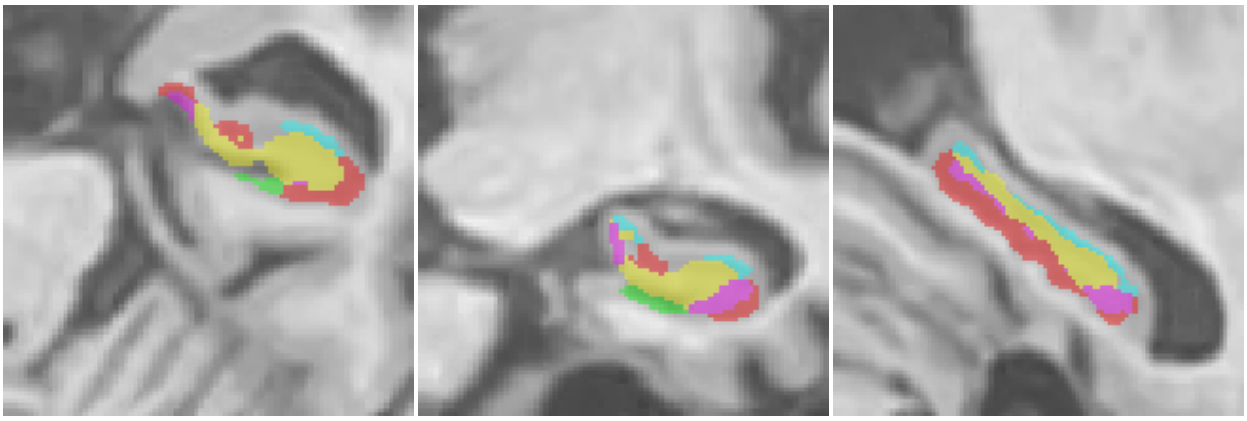
Expected volumes



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).*