volBrain.upv.es

HIPS Volumetry Report

Patient ID	Sex	Age	Report Date
job216812t1	Male	78	04-Jun-2020

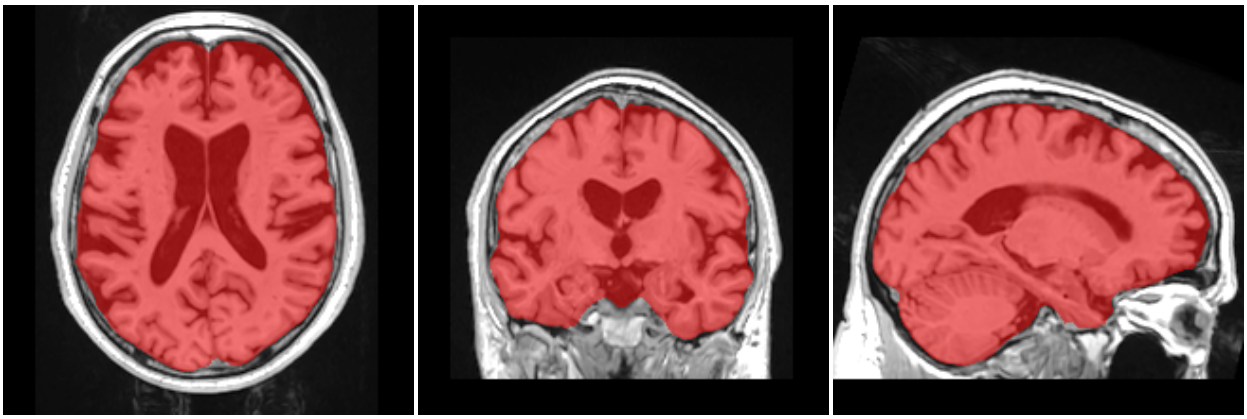
Image Information

Orientation[1]	neurological
Scale factor	0.91
Total intracranial volume (cm^3)	1590.23

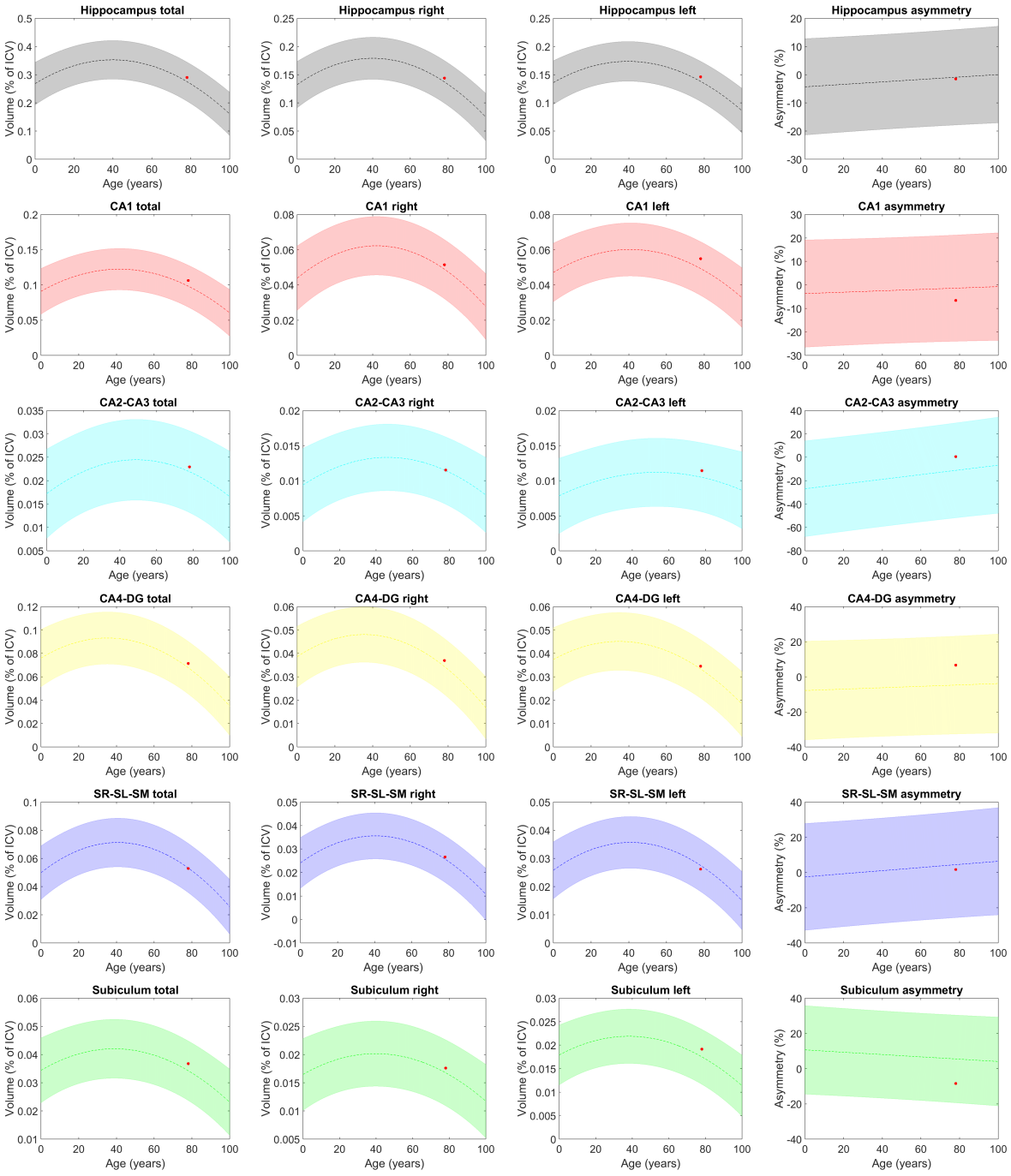
Segmentation protocol: Winterburn[2]

Volumes[3]	**Total** (cm^3/%)	**Right** (cm^3/%)	**Left** (cm^3/%)	**Asym.(%)**[4]
Hippocampus	4.62 (0.2908)	2.30 (0.1444)	2.33 (0.1465)	-1.4318
	[0.21 - 0.35]	[0.10 - 0.18]	[0.10 - 0.18]	[-17.87 - 15.96]
CA1	1.69 (0.1065)	0.82 (0.0515)	0.87 (0.0550)	-6.5734
	[0.07 - 0.13]	[0.03 - 0.07]	[0.03 - 0.07]	[-24.00 - 21.20]
CA2-CA3	0.37 (0.0230)	0.18 (0.0115)	0.18 (0.0114)	0.7449
	[0.01 - 0.03]	[0.01 - 0.02]	[0.01 - 0.02]	[-51.93 - 29.13]
CA4-DG	1.14 (0.0716)	0.59 (0.0370)	0.55 (0.0346)	6.7702
	[0.05 - 0.09]	[0.02 - 0.05]	[0.02 - 0.05]	[-32.59 - 23.08]
SR-SL-SM	0.84 (0.0529)	0.42 (0.0267)	0.42 (0.0262)	1.6983
	[0.04 - 0.07]	[0.02 - 0.04]	[0.02 - 0.04]	[-25.67 - 34.33]
Subiculum	0.59 (0.0368)	0.28 (0.0176)	0.31 (0.0192)	-8.3656
	[0.02 - 0.05]	[0.01 - 0.02]	[0.01 - 0.02]	[-19.29 - 30.42]

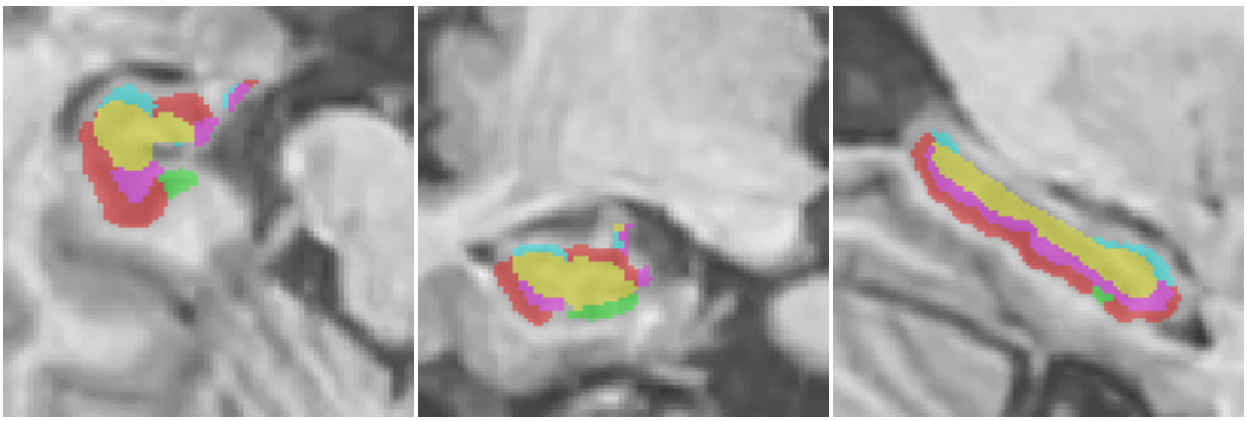
Intracranial cavity extraction



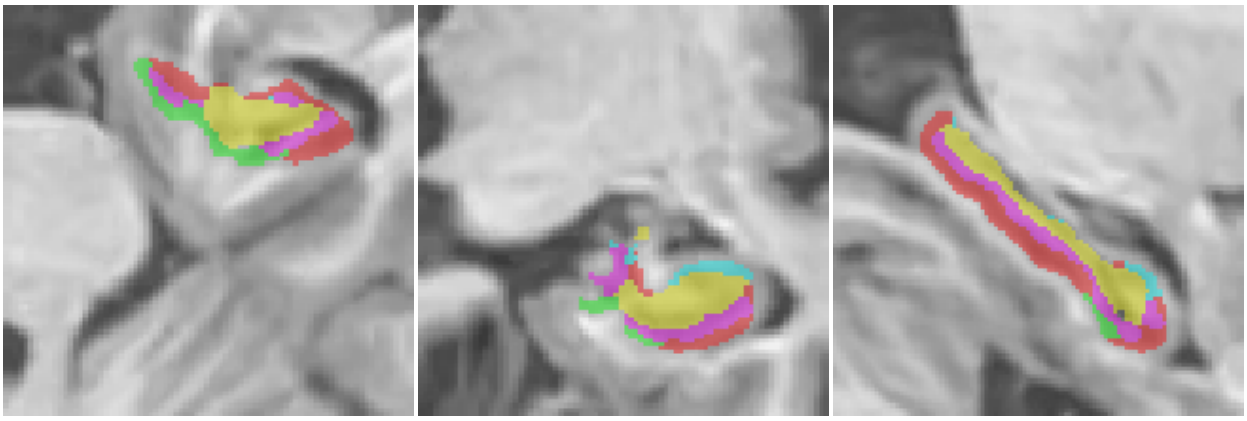
Expected volumes



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).*