volBrain.upv.es

HIPS Volumetry Report

Patient ID	Sex	Age	Report Date
job171530t1	Female	77	30-Oct-2019

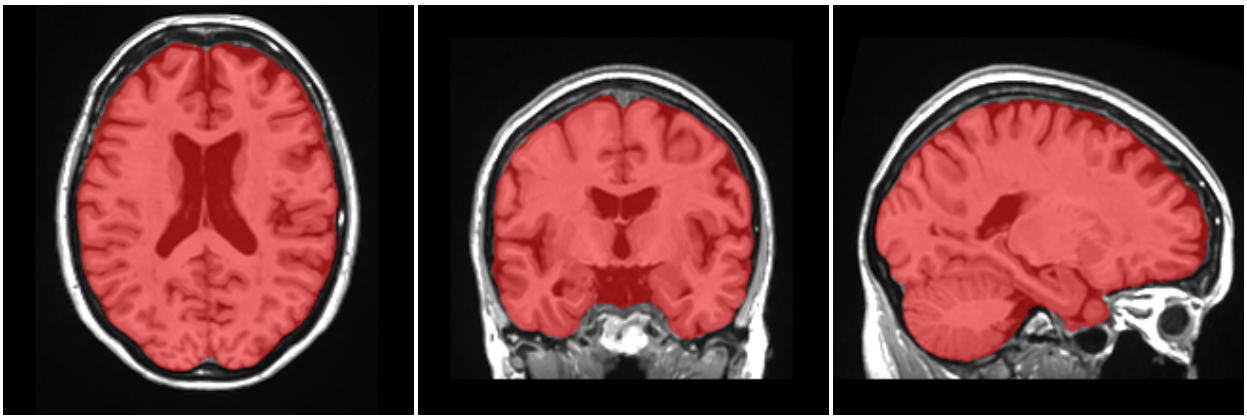
Image Information

Orientation[1]	neurological
Scale factor	0.80
Total intracranial volume (cm^3)	1387.04

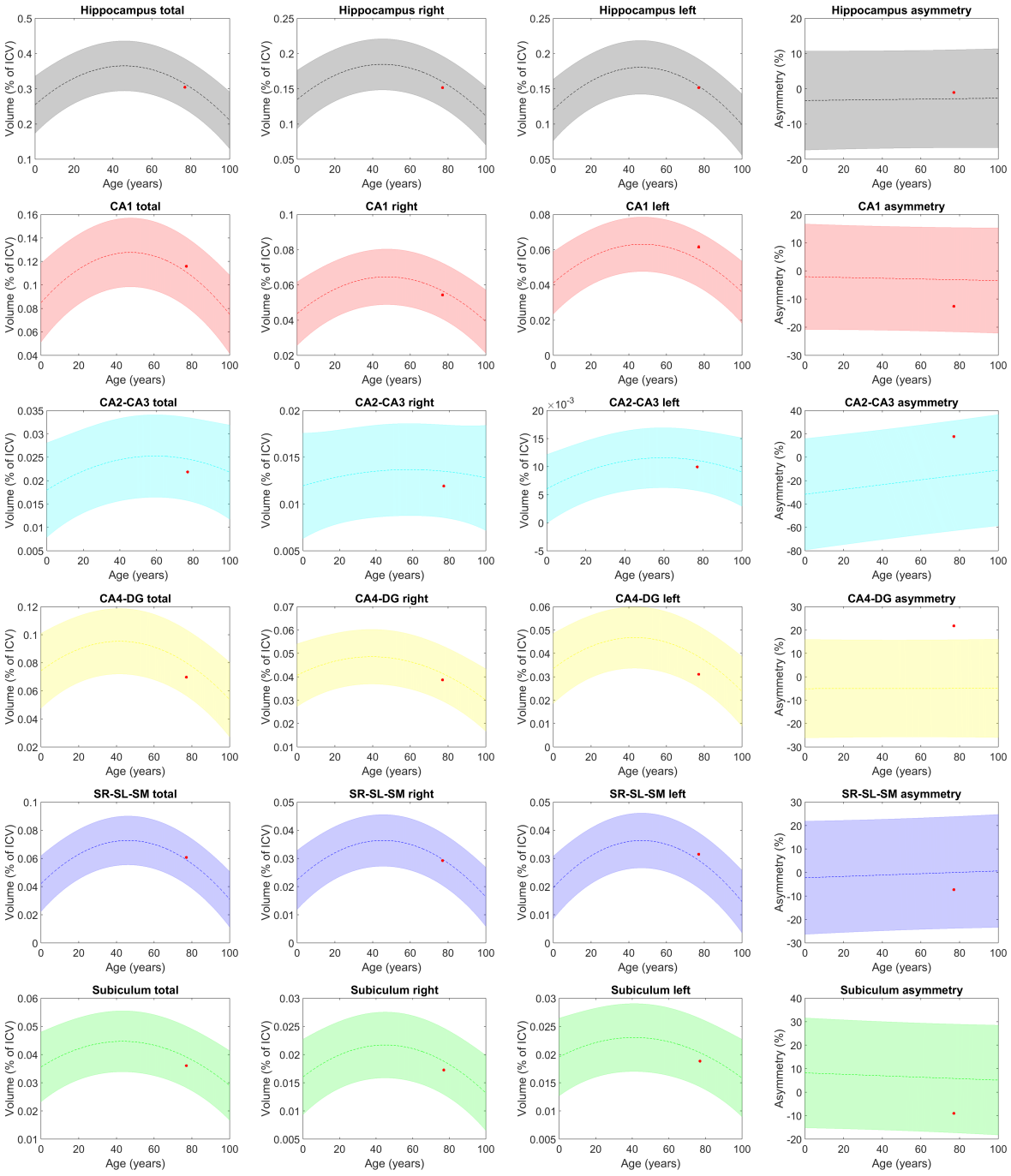
Segmentation protocol: Winterburn[2]

Volumes[3]	**Total** (cm^3/%)	**Right** (cm^3/%)	**Left** (cm^3/%)	**Asym.(%)**[4]
Hippocampus	4.23 (0.3047)	2.10 (0.1516)	2.12 (0.1532)	-1.0588
	[0.25 - 0.39]	[0.13 - 0.20]	[0.12 - 0.19]	[-16.71 - 11.05]
CA1	1.61 (0.1160)	0.75 (0.0544)	0.86 (0.0617)	-12.5621
	[0.08 - 0.14]	[0.04 - 0.07]	[0.04 - 0.07]	[-21.60 - 15.33]
CA2-CA3	0.30 (0.0219)	0.17 (0.0119)	0.14 (0.0100)	17.6200
	[0.02 - 0.03]	[0.01 - 0.02]	[0.01 - 0.02]	[-62.99 - 31.03]
CA4-DG	0.97 (0.0698)	0.54 (0.0387)	0.43 (0.0311)	21.7777
	[0.06 - 0.10]	[0.03 - 0.05]	[0.03 - 0.05]	[-25.76 - 15.82]
SR-SL-SM	0.84 (0.0608)	0.41 (0.0293)	0.44 (0.0315)	-7.3390
	[0.04 - 0.08]	[0.02 - 0.04]	[0.02 - 0.04]	[-23.81 - 23.74]
Subiculum	0.50 (0.0361)	0.24 (0.0172)	0.26 (0.0189)	-9.0148
	[0.03 - 0.05]	[0.01 - 0.02]	[0.01 - 0.03]	[-17.25 - 28.96]

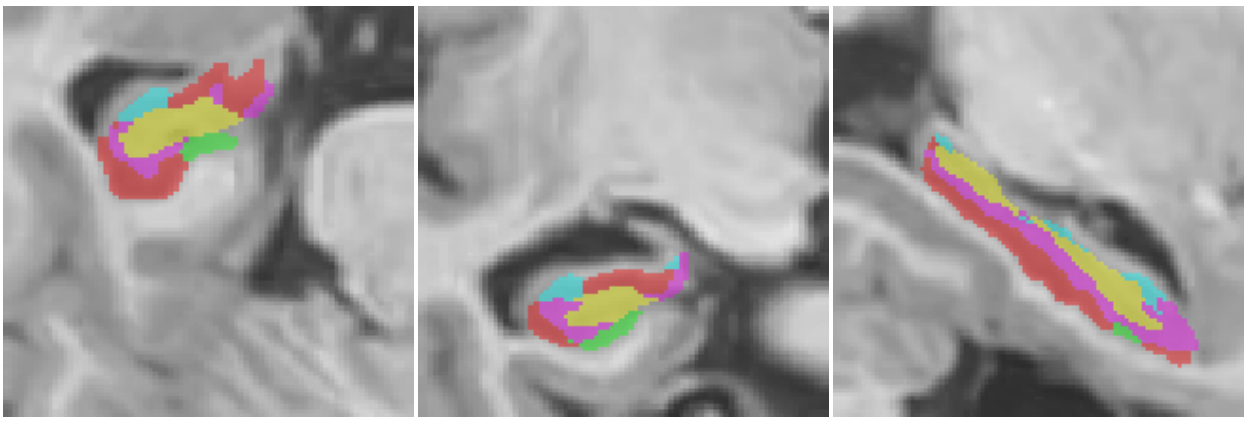
Intracranial cavity extraction



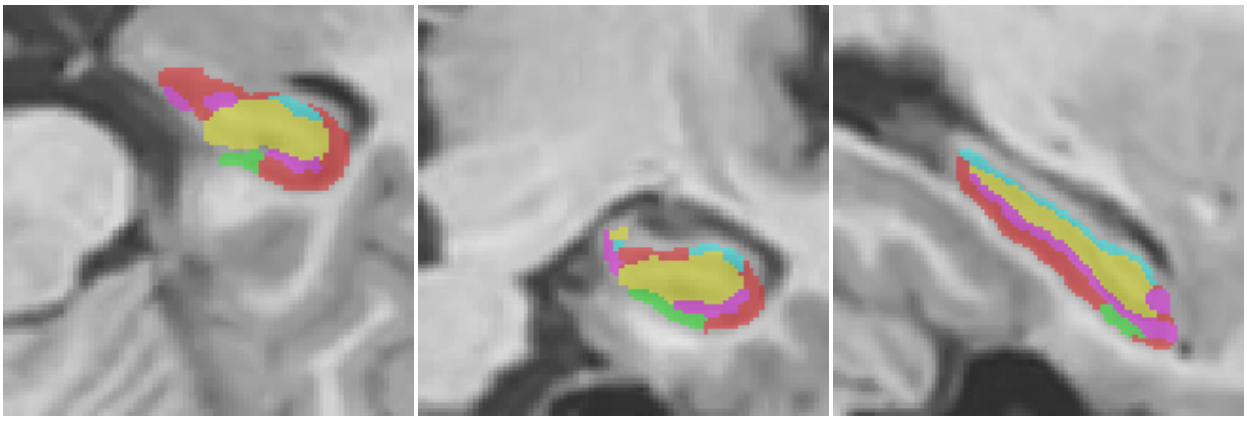
Expected volumes



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).*