volBrain.upv.es

HIPS Volumetry Report

Patient ID	Sex	Age	Report Date
job215906t1	Female	76	01-Jun-2020

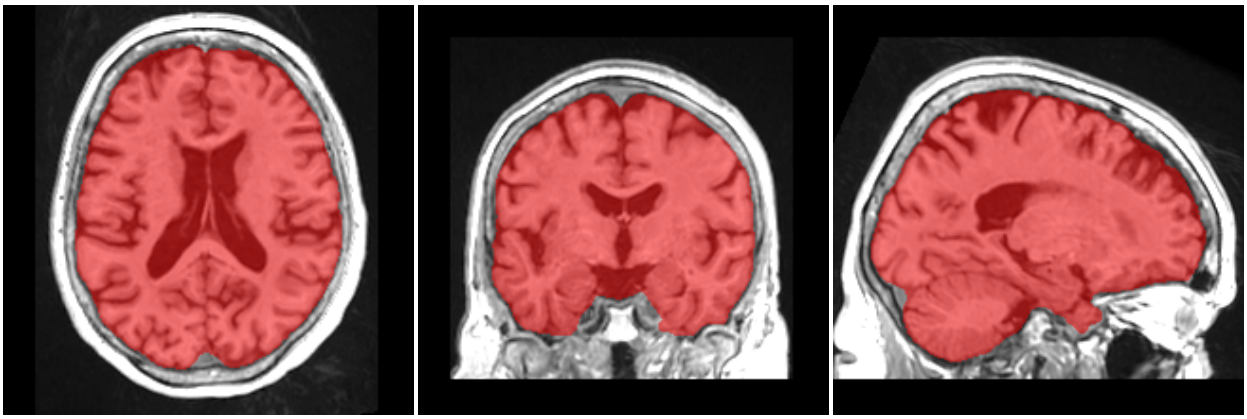
Image Information

Orientation[1]	neurological
Scale factor	0.72
Total intracranial volume (cm^3)	1327.65

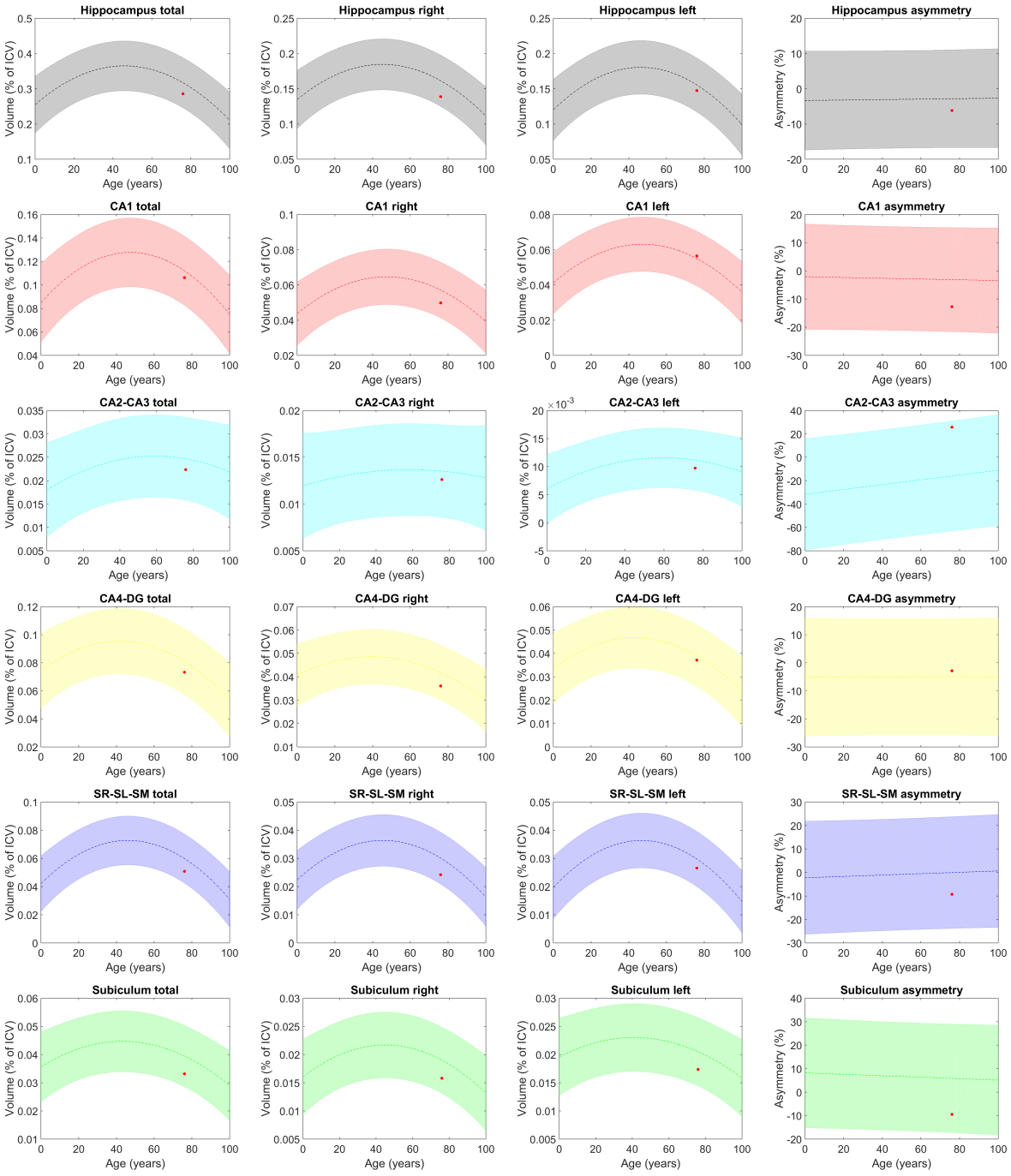
Segmentation protocol: Winterburn[2]

Volumes[3]	Total (cm^3/%)	Right (cm^3/%)	Left (cm^3/%)	Asym.(%)[4]
Hippocampus	3.80 (0.2862)	1.84 (0.1387)	1.96 (0.1475)	-6.1780
	[0.25 - 0.39]	[0.13 - 0.20]	[0.12 - 0.20]	[-16.72 - 11.04]
CA1	1.41 (0.1064)	0.66 (0.0498)	0.75 (0.0566)	-12.6915
	[0.08 - 0.14]	[0.04 - 0.07]	[0.04 - 0.07]	[-21.58 - 15.34]
CA2-CA3	0.30 (0.0224)	0.17 (0.0126)	0.13 (0.0097)	25.7438
	[0.02 - 0.03]	[0.01 - 0.02]	[0.01 - 0.02]	[-63.18 - 30.81]
CA4-DG	0.97 (0.0733)	0.48 (0.0361)	0.49 (0.0372)	-2.8174
	[0.06 - 0.11]	[0.03 - 0.05]	[0.03 - 0.05]	[-25.75 - 15.82]
SR-SL-SM	0.68 (0.0509)	0.32 (0.0242)	0.35 (0.0266)	-9.2719
	[0.04 - 0.08]	[0.02 - 0.04]	[0.02 - 0.04]	[-23.83 - 23.70]
Subiculum	0.44 (0.0332)	0.21 (0.0158)	0.23 (0.0174)	-9.5004
	[0.03 - 0.05]	[0.01 - 0.03]	[0.01 - 0.03]	[-17.21 - 28.98]

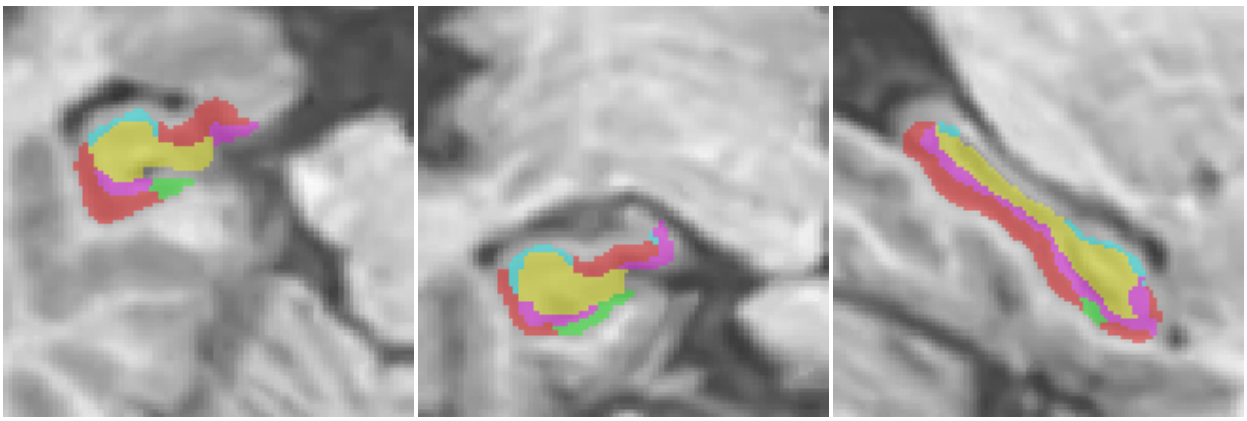
Intracranial cavity extraction



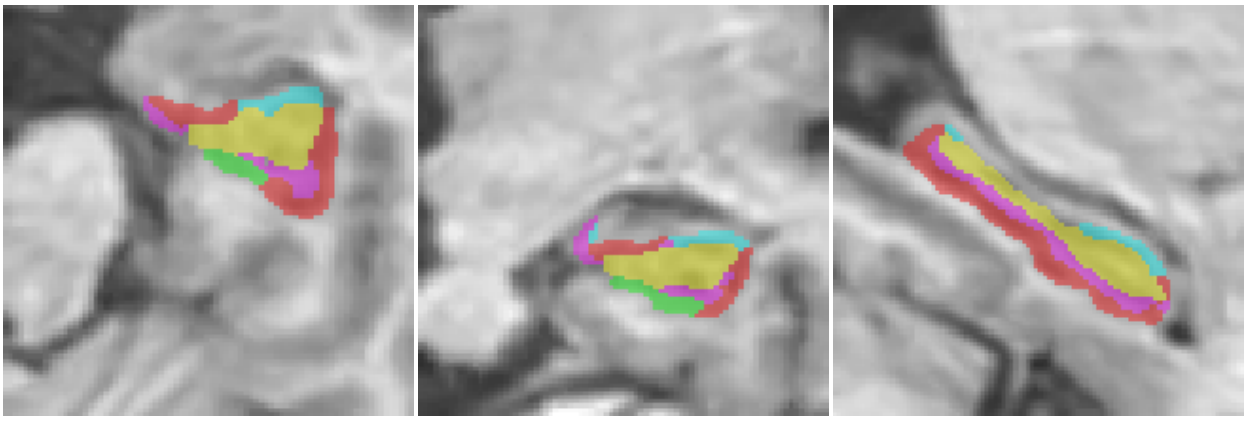
Expected volumes



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).*