volBrain.upv.es

HIPS Volumetry Report

Patient ID	Sex	Age	Report Date
job215897t1	Female	75	01-Jun-2020

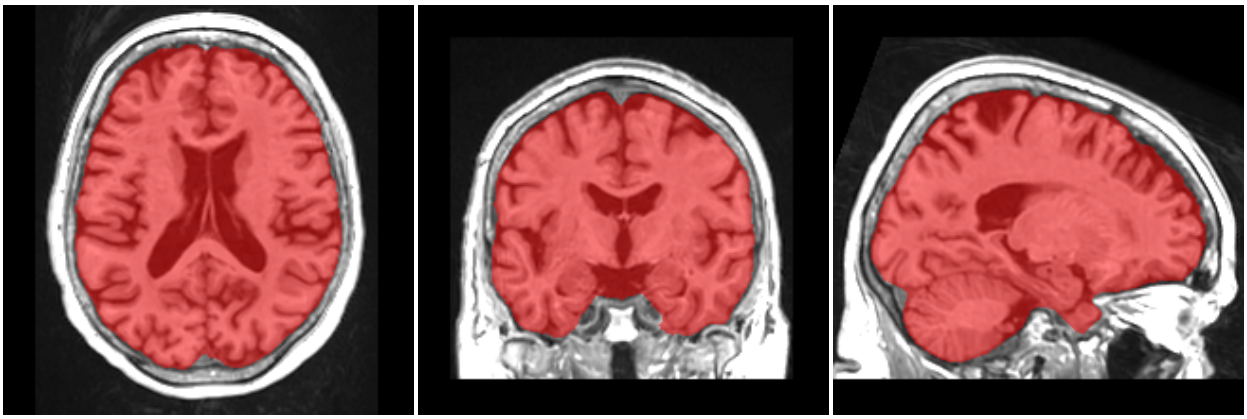
Image Information

Orientation[1]	neurological
Scale factor	0.72
Total intracranial volume (cm^3)	1324.74

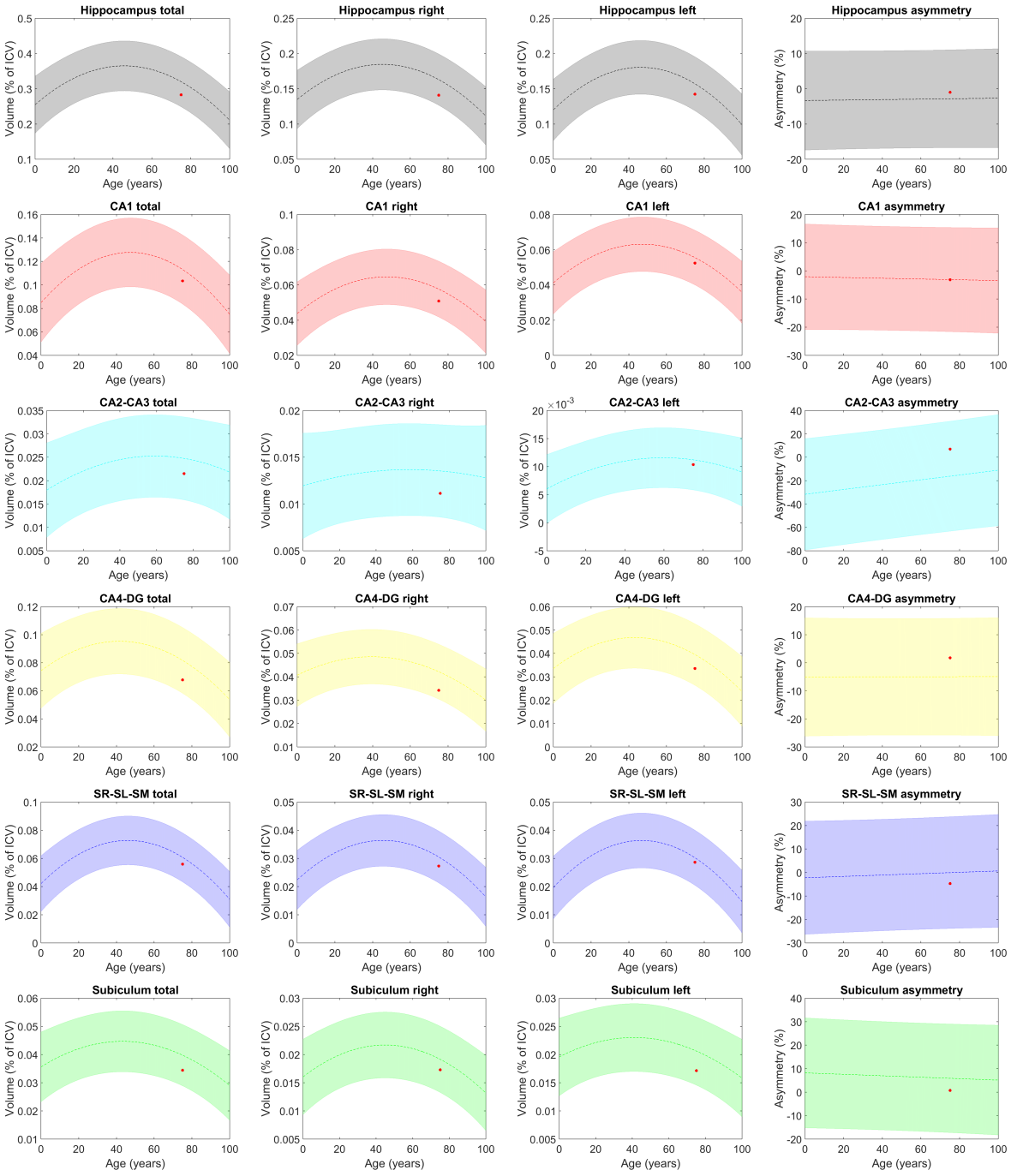
Segmentation protocol: Winterburn[2]

Volumes[3]	**Total** (cm^3/%)	**Right** (cm^3/%)	**Left** (cm^3/%)	**Asym.(%)**[4]
Hippocampus	3.75 (0.2833) [0.25 - 0.39]	1.87 (0.1409) [0.13 - 0.20]	1.89 (0.1423) [0.12 - 0.20]	-0.9908 [-16.72 - 11.03]
CA1	1.37 (0.1034) [0.08 - 0.14]	0.67 (0.0509) [0.04 - 0.07]	0.70 (0.0525) [0.04 - 0.07]	-3.0810 [-21.56 - 15.35]
CA2-CA3	0.29 (0.0215) [0.02 - 0.03]	0.15 (0.0111) [0.01 - 0.02]	0.14 (0.0104) [0.01 - 0.02]	7.0529 [-63.37 - 30.59]
CA4-DG	0.90 (0.0679) [0.06 - 0.11]	0.45 (0.0343) [0.03 - 0.05]	0.45 (0.0336) [0.03 - 0.05]	1.8576 [-25.75 - 15.81]
SR-SL-SM	0.74 (0.0560) [0.04 - 0.08]	0.36 (0.0273) [0.02 - 0.04]	0.38 (0.0287) [0.02 - 0.04]	-4.7221 [-23.86 - 23.67]
Subiculum	0.46 (0.0344) [0.03 - 0.05]	0.23 (0.0173) [0.01 - 0.03]	0.23 (0.0172) [0.01 - 0.03]	0.7087 [-17.18 - 29.01]

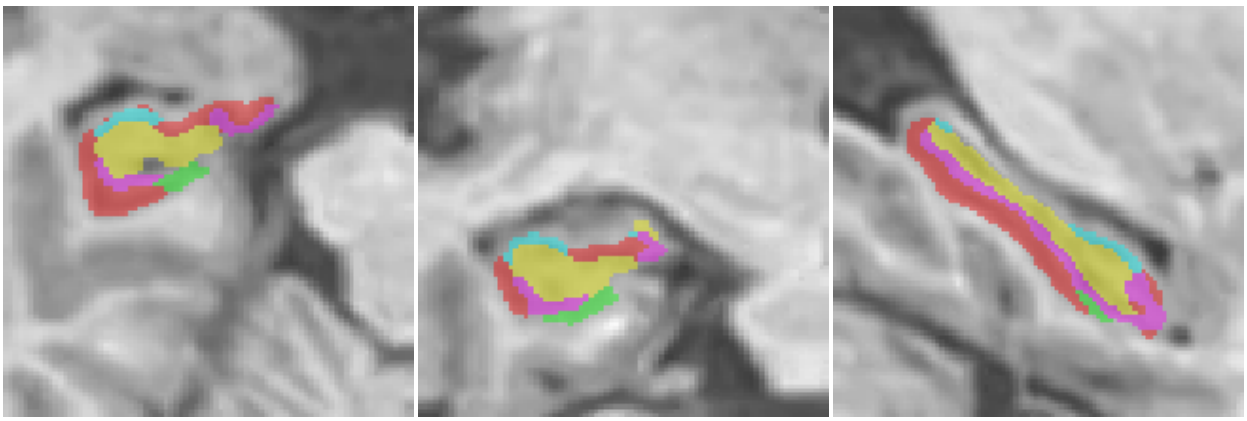
Intracranial cavity extraction



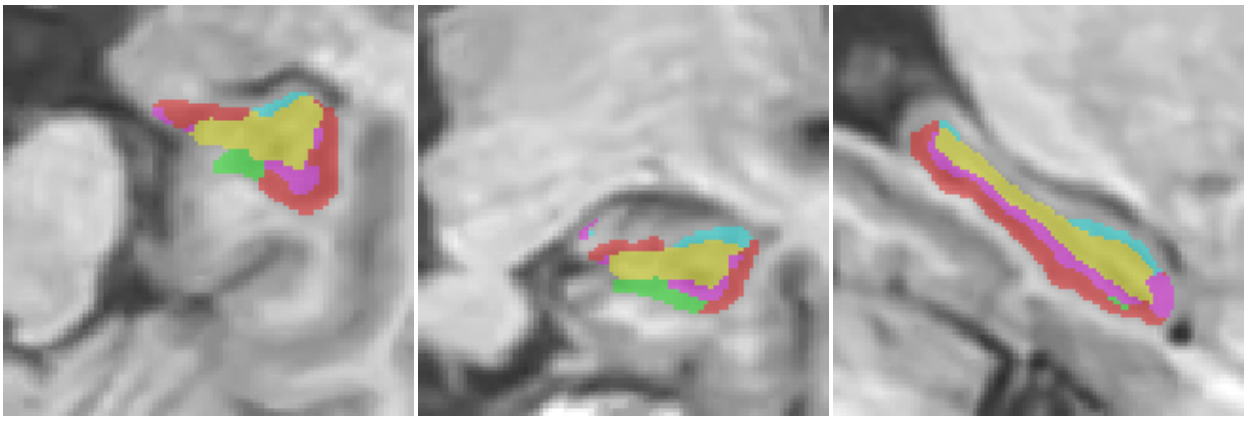
Expected volumes



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).*