volBrain.upv.es

HIPS Volumetry Report

Patient ID	Sex	Age	Report Date
job217511t1	Male	89	07-Jun-2020

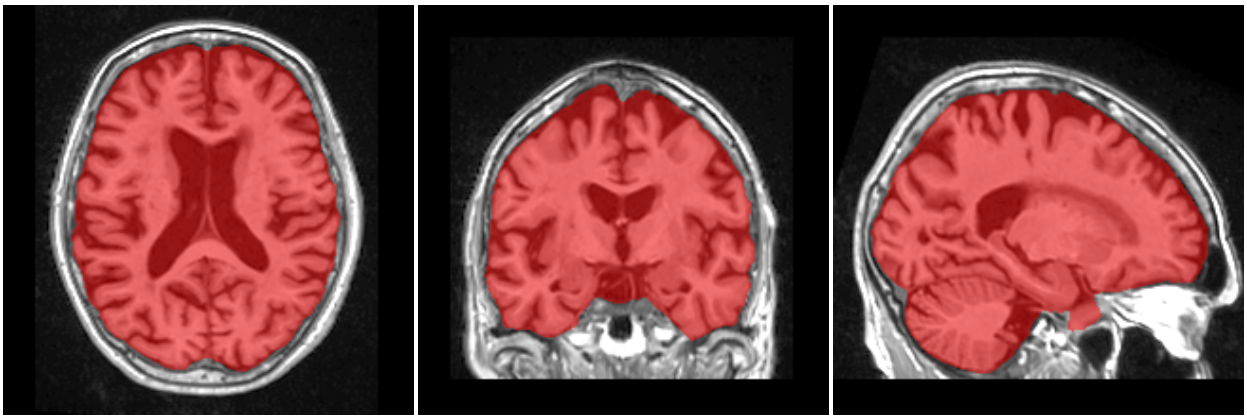
Image Information

Orientation[1]	neurological
Scale factor	0.74
Total intracranial volume (cm^3)	1387.61

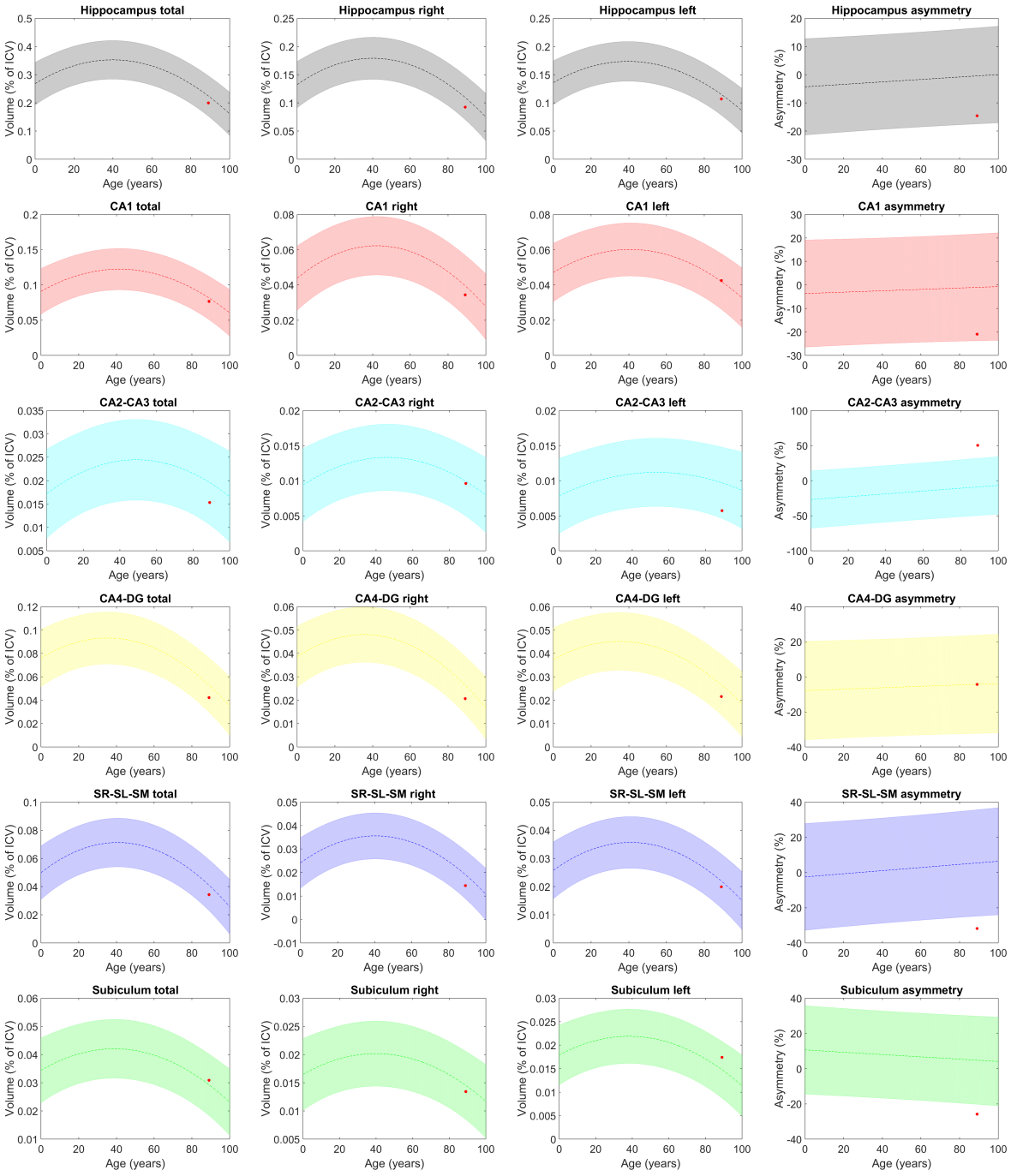
Segmentation protocol: Winterburn[2]

Volumes[3]	**Total** (cm^3/%)	**Right** (cm^3/%)	**Left** (cm^3/%)	**Asym.(%)**[4]
Hippocampus	2.78 (0.2001) [0.16 - 0.30]	1.29 (0.0928) [0.07 - 0.15]	1.49 (0.1073) [0.08 - 0.15]	-14.4928 [-17.48 - 16.53]
CA1	1.07 (0.0770) [0.05 - 0.11]	0.48 (0.0345) [0.02 - 0.06]	0.59 (0.0425) [0.03 - 0.06]	-20.9310 [-23.79 - 21.64]
CA2-CA3	0.21 (0.0154) [0.01 - 0.03]	0.13 (0.0096) [0.01 - 0.02]	0.08 (0.0057) [0.00 - 0.01]	50.6045 [-49.93 - 31.56]
CA4-DG	0.59 (0.0424) [0.03 - 0.08]	0.29 (0.0208) [0.01 - 0.04]	0.30 (0.0217) [0.01 - 0.04]	-4.2220 [-32.30 - 23.67]
SR-SL-SM	0.48 (0.0344) [0.02 - 0.06]	0.20 (0.0145) [0.01 - 0.03]	0.28 (0.0199) [0.01 - 0.03]	-31.7130 [-24.85 - 35.47]
Subiculum	0.43 (0.0309) [0.02 - 0.04]	0.19 (0.0135) [0.01 - 0.02]	0.24 (0.0174) [0.01 - 0.02]	-25.7621 [-20.15 - 29.83]

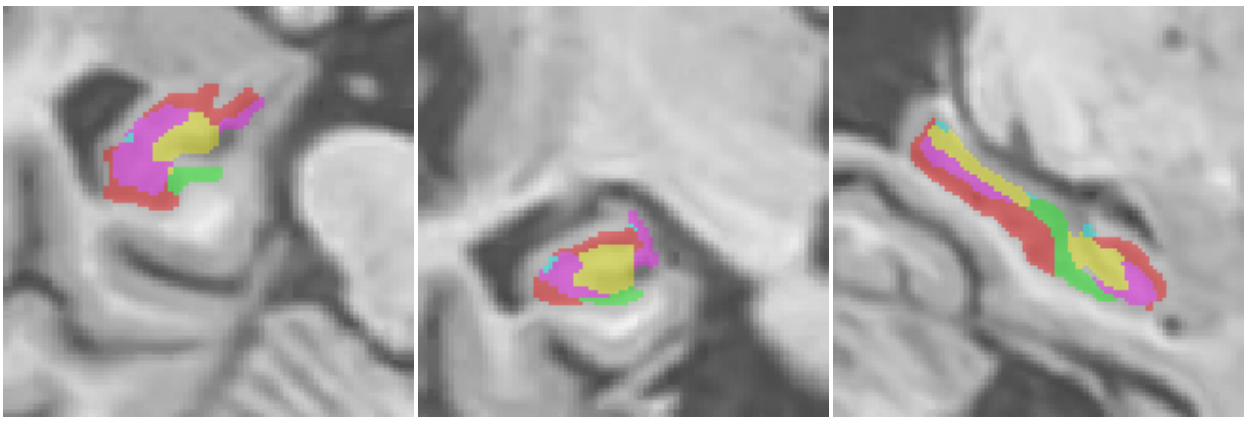
Intracranial cavity extraction



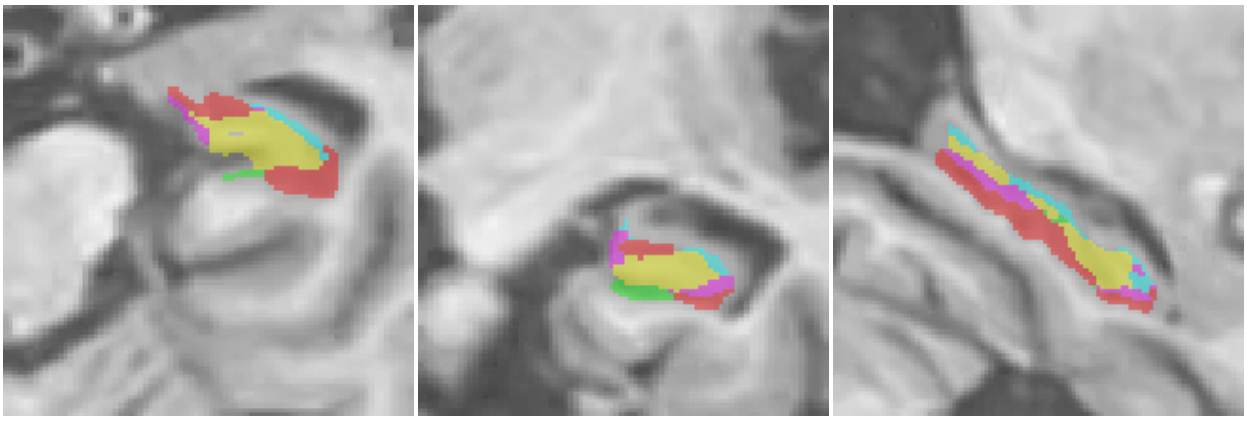
Expected volumes



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).*