

volBrain.upv.es

HIPS Volumetry Report

Patient ID	Sex	Age	Report Date
job215919t1	Female	76	01-Jun-2020

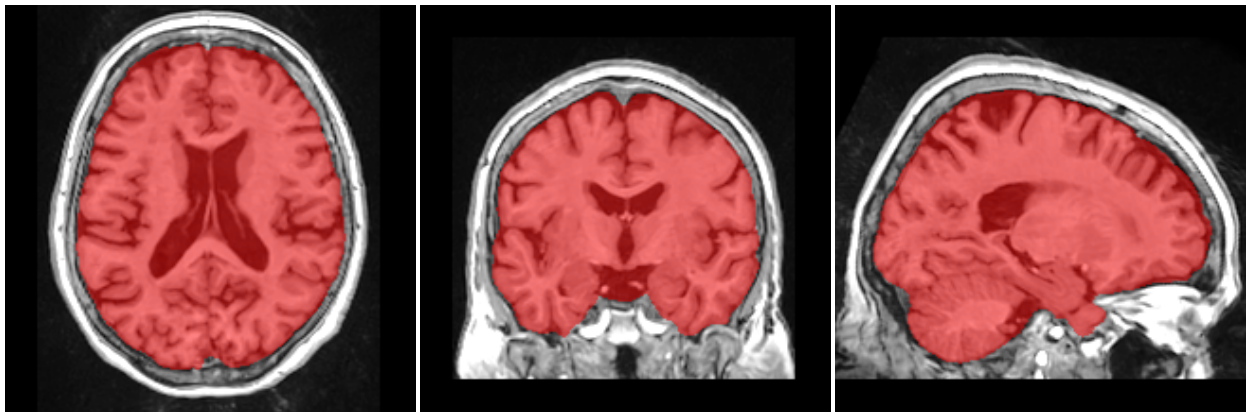
Image Information

Orientation ¹	neurological
Scale factor	0.71
Total intracranial volume (cm ³)	1327.11

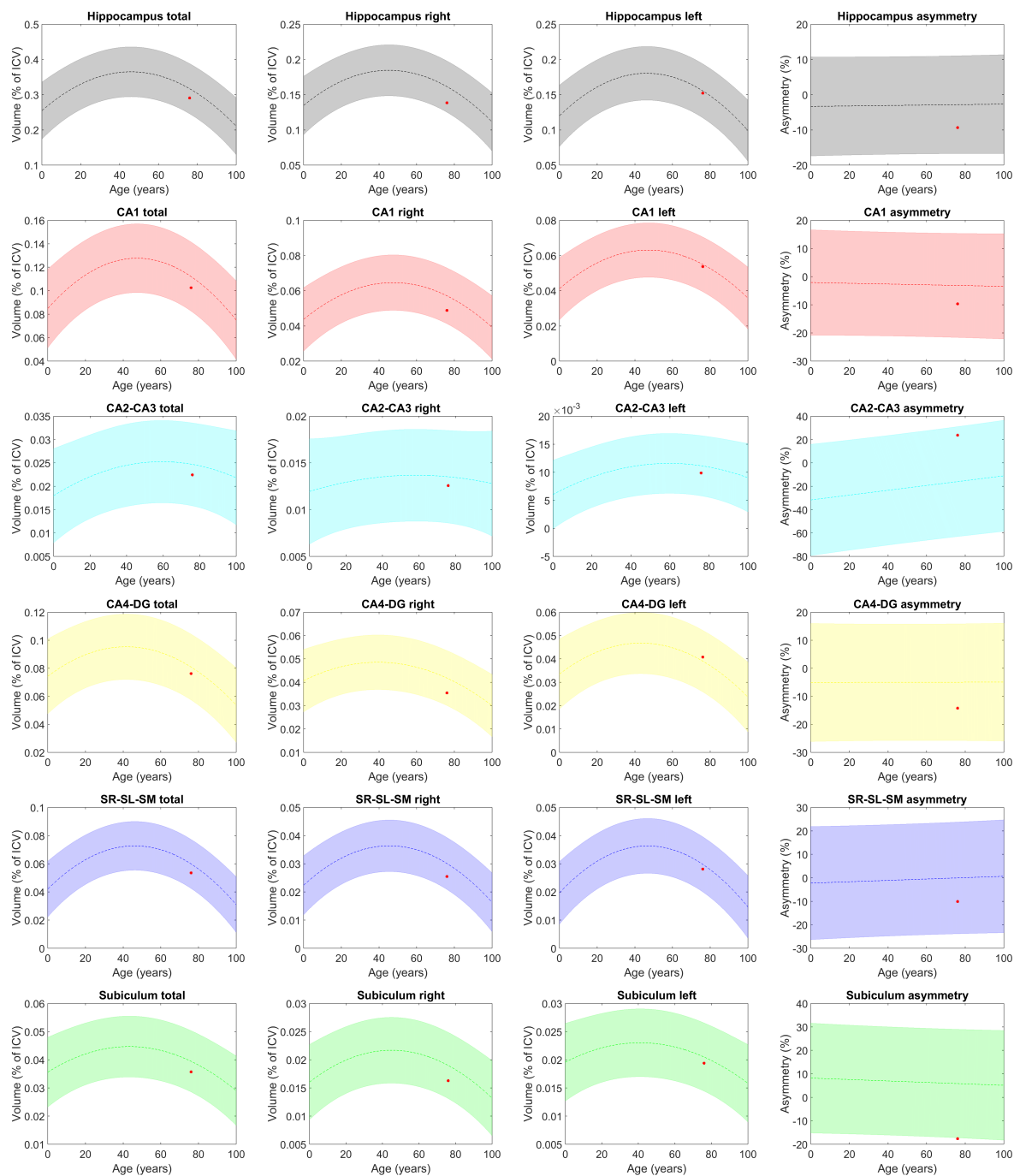
Segmentation protocol: Winterburn²

Volumes ³	Total (cm ³ /%)	Right (cm ³ /%)	Left (cm ³ /%)	Asym.(%) ⁴
<i>Hippocampus</i>	3.86 (0.2908) [0.25 - 0.39]	1.84 (0.1386) [0.13 - 0.20]	2.02 (0.1522) [0.12 - 0.20]	-9.3295 [-16.72 - 11.04]
<i>CA1</i>	1.36 (0.1026) [0.08 - 0.14]	0.65 (0.0488) [0.04 - 0.07]	0.71 (0.0538) [0.04 - 0.07]	-9.6646 [-21.58 - 15.34]
<i>CA2-CA3</i>	0.30 (0.0225) [0.02 - 0.03]	0.17 (0.0126) [0.01 - 0.02]	0.13 (0.0099) [0.01 - 0.02]	23.8280 [-63.18 - 30.81]
<i>CA4-DG</i>	1.01 (0.0764) [0.06 - 0.11]	0.47 (0.0355) [0.03 - 0.05]	0.54 (0.0409) [0.03 - 0.05]	-14.2053 [-25.75 - 15.82]
<i>SR-SL-SM</i>	0.71 (0.0536) [0.04 - 0.08]	0.34 (0.0255) [0.02 - 0.04]	0.37 (0.0282) [0.02 - 0.04]	-10.1126 [-23.83 - 23.70]
<i>Subiculum</i>	0.47 (0.0357) [0.03 - 0.05]	0.22 (0.0163) [0.01 - 0.03]	0.26 (0.0194) [0.01 - 0.03]	-17.6415 [-17.21 - 28.98]

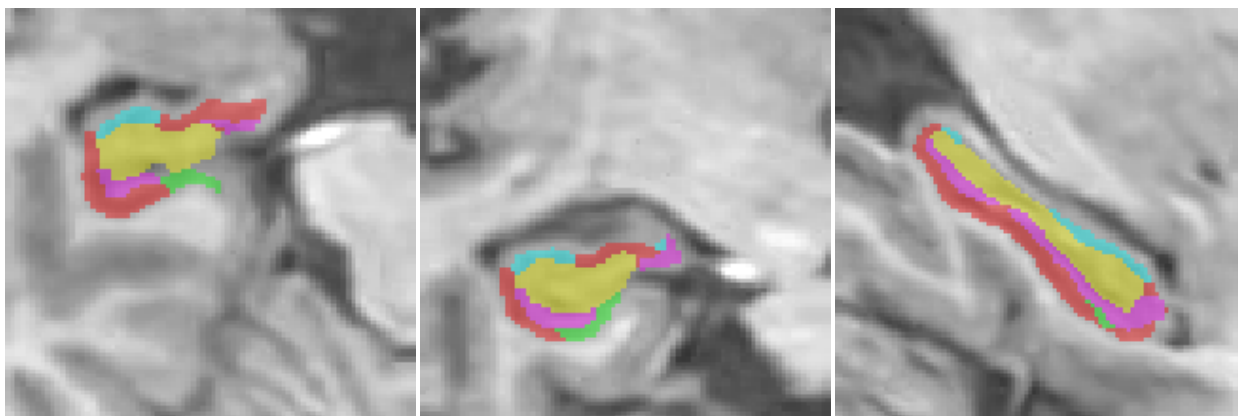
Intracranial cavity extraction



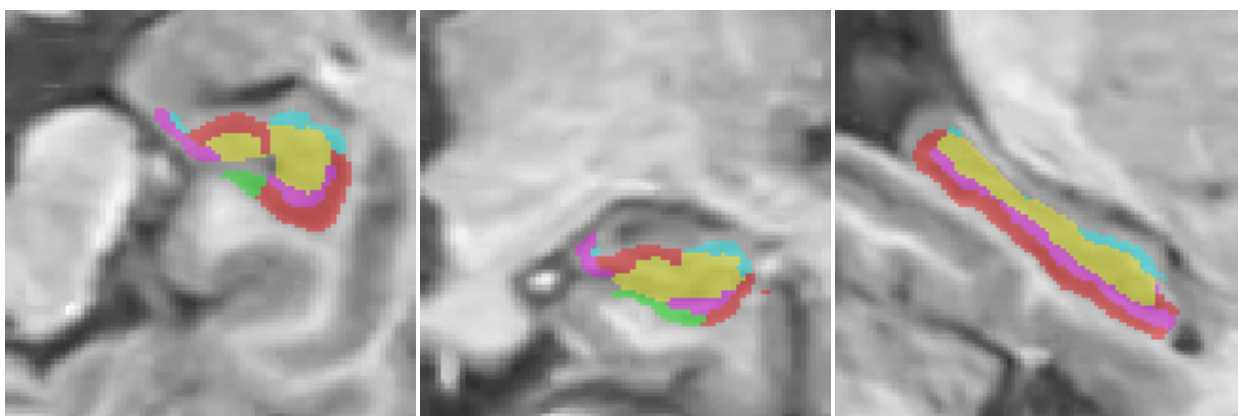
Expected volumes



Left hippocampus



Right hippocampus



¹Result images located in the MNI space (neurological orientation).

²For details 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.

³All the volumes are presented in absolute value (measured in cm^3) and in relative value (measured in relation to the ICV).

⁴The Asymmetry Index is calculated as the difference between right and left volumes divided by their mean (in percent).