volBrain.upv.es

HIPS Volumetry Report

Patient ID	Sex	Age	Report Date
job217322t1	Male	80	06-Jun-2020

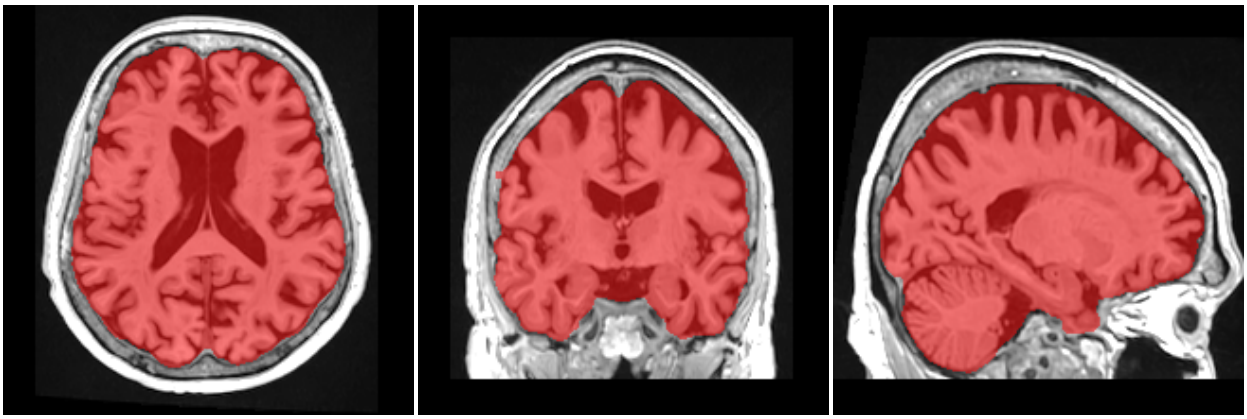
Image Information

Orientation[1]	neurological
Scale factor	0.81
Total intracranial volume (cm^3)	1489.62

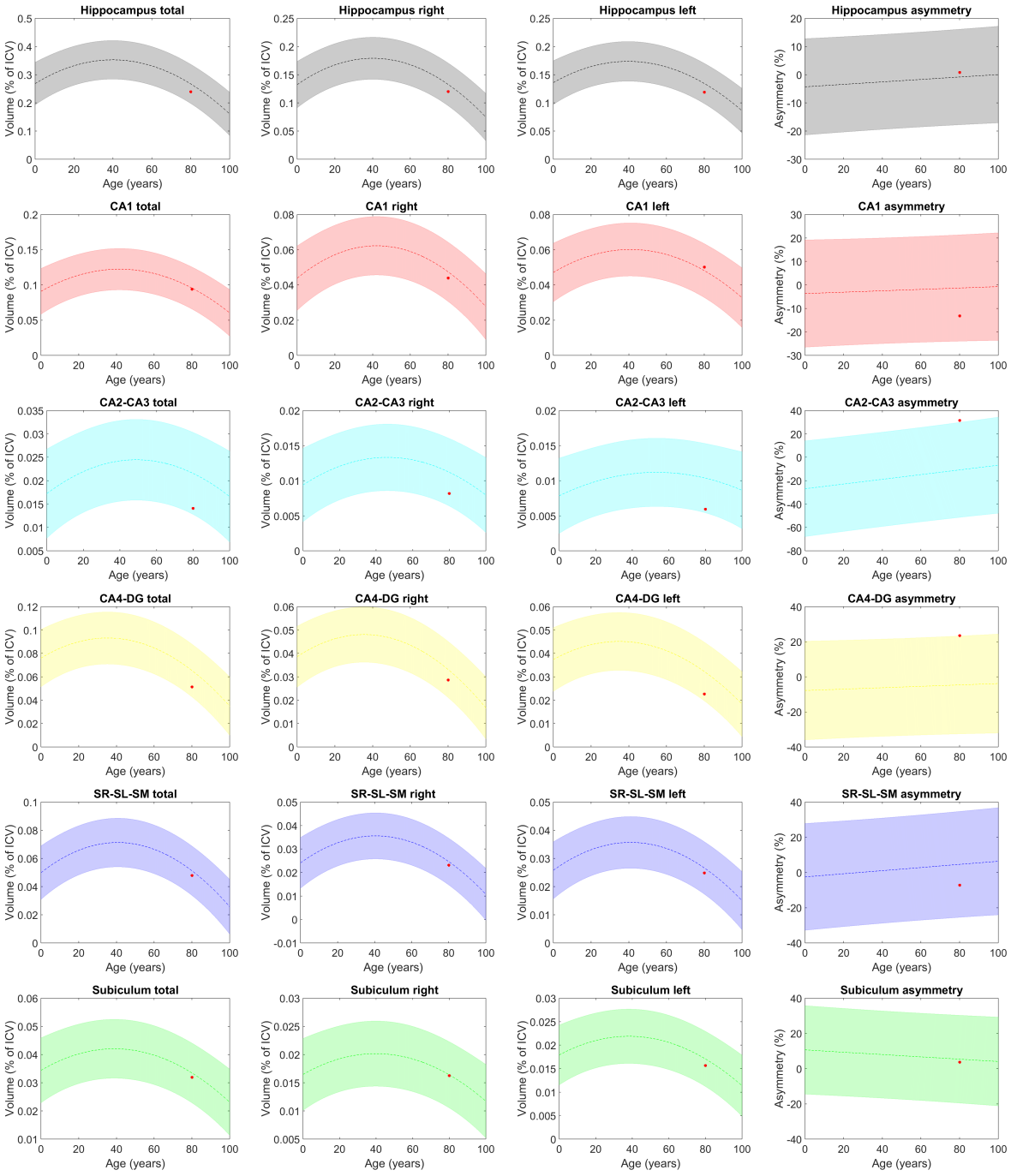
Segmentation protocol: Winterburn[2]

Volumes[3]	**Total** (cm^3/%)	**Right** (cm^3/%)	**Left** (cm^3/%)	**Asym.(%)**[4]
Hippocampus	3.57 (0.2397)	1.79 (0.1203)	1.78 (0.1193)	0.8233
	[0.20 - 0.34]	[0.10 - 0.17]	[0.10 - 0.17]	[-17.80 - 16.06]
CA1	1.40 (0.0941)	0.65 (0.0440)	0.75 (0.0502)	-13.1425
	[0.07 - 0.13]	[0.03 - 0.06]	[0.03 - 0.06]	[-23.96 - 21.27]
CA2-CA3	0.21 (0.0141)	0.12 (0.0082)	0.09 (0.0059)	31.6803
	[0.01 - 0.03]	[0.01 - 0.02]	[0.01 - 0.02]	[-51.56 - 29.56]
CA4-DG	0.77 (0.0514)	0.43 (0.0287)	0.34 (0.0227)	23.4516
	[0.04 - 0.09]	[0.02 - 0.05]	[0.02 - 0.05]	[-32.53 - 23.19]
SR-SL-SM	0.72 (0.0481)	0.35 (0.0232)	0.37 (0.0249)	-7.0508
	[0.03 - 0.07]	[0.02 - 0.04]	[0.02 - 0.04]	[-25.52 - 34.54]
Subiculum	0.48 (0.0320)	0.24 (0.0163)	0.23 (0.0157)	3.7479
	[0.02 - 0.04]	[0.01 - 0.02]	[0.01 - 0.02]	[-19.44 - 30.31]

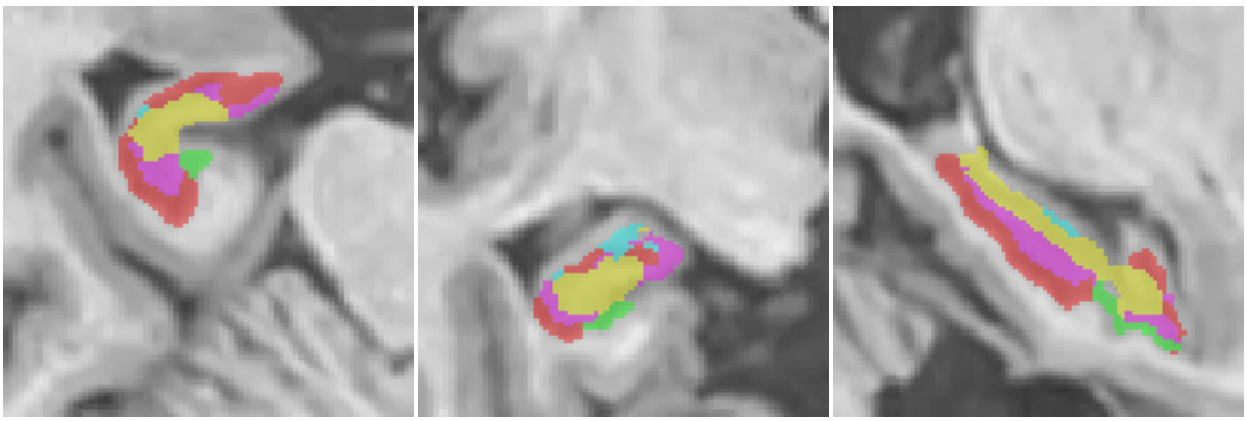
Intracranial cavity extraction



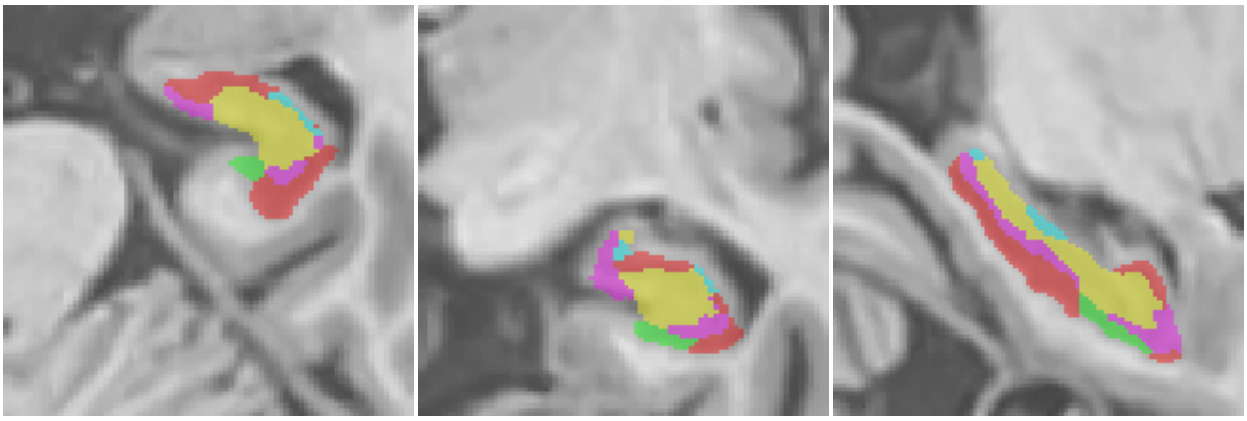
Expected volumes



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).*