volBrain.upv.es

HIPS Volumetry Report

Patient ID	Sex	Age	Report Date
job217499t1	Male	89	07-Jun-2020

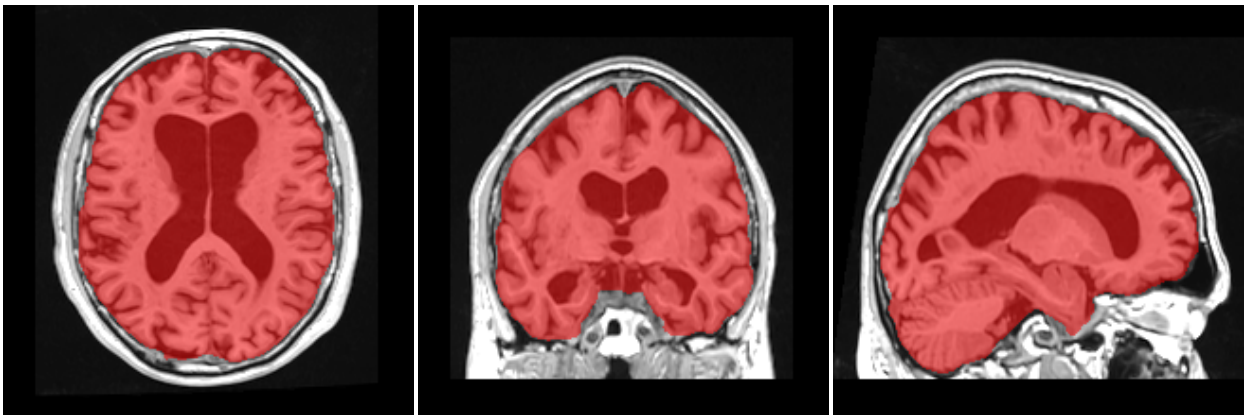
Image Information

Orientation[1]	neurological
Scale factor	0.85
Total intracranial volume (cm^3)	1524.27

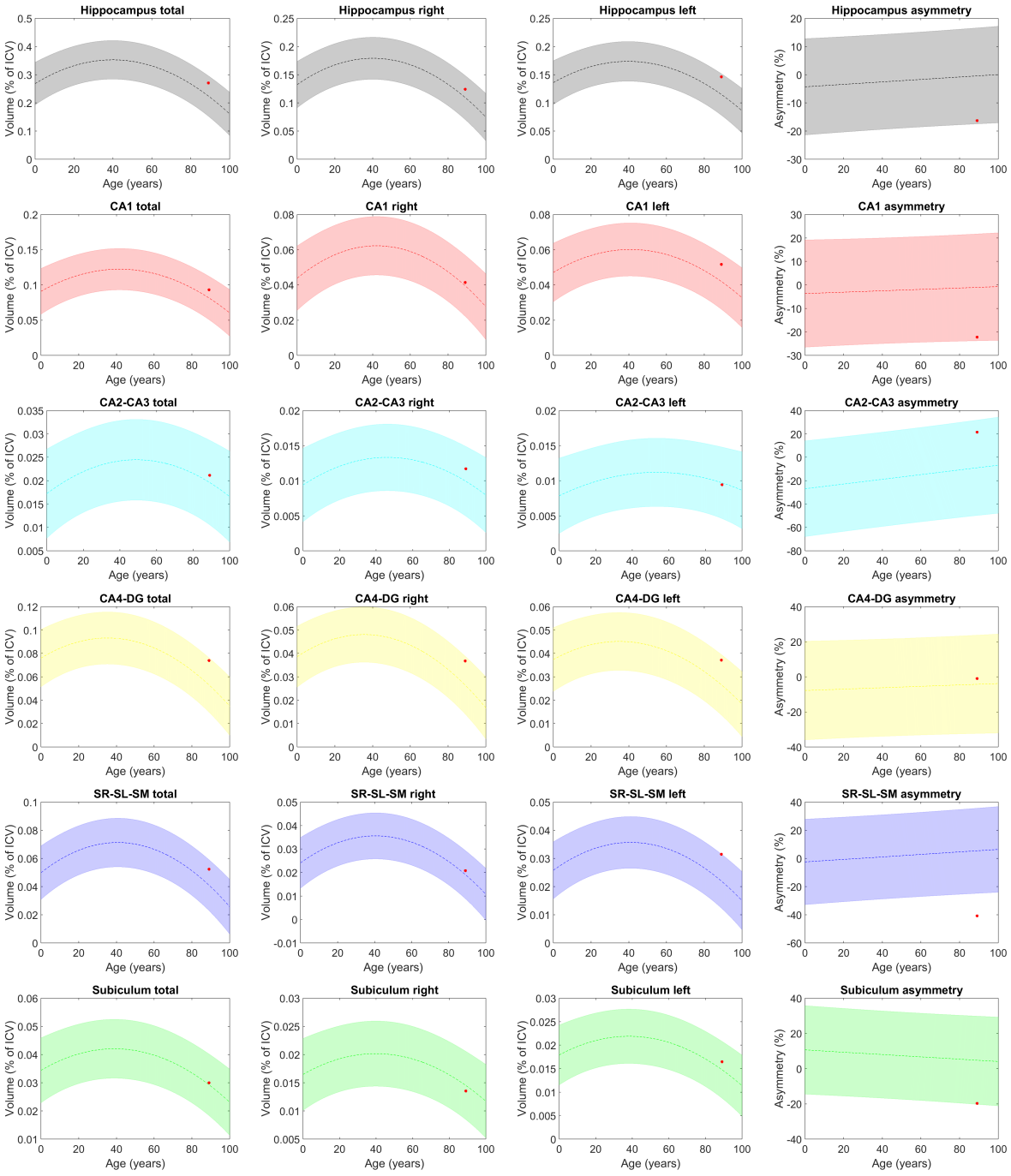
Segmentation protocol: Winterburn[2]

Volumes[3]	**Total** (cm^3/%)	**Right** (cm^3/%)	**Left** (cm^3/%)	**Asym.(%)**[4]
Hippocampus	4.13 (0.2710)	1.90 (0.1245)	2.23 (0.1465)	-16.2235
	[0.16 - 0.30]	[0.07 - 0.15]	[0.08 - 0.15]	[-17.48 - 16.53]
CA1	1.42 (0.0933)	0.63 (0.0415)	0.79 (0.0518)	-22.1322
	[0.05 - 0.11]	[0.02 - 0.06]	[0.03 - 0.06]	[-23.79 - 21.64]
CA2-CA3	0.32 (0.0212)	0.18 (0.0117)	0.14 (0.0095)	21.4144
	[0.01 - 0.03]	[0.01 - 0.02]	[0.00 - 0.01]	[-49.93 - 31.56]
CA4-DG	1.13 (0.0741)	0.56 (0.0369)	0.57 (0.0372)	-0.8877
	[0.03 - 0.08]	[0.01 - 0.04]	[0.01 - 0.04]	[-32.30 - 23.67]
SR-SL-SM	0.80 (0.0524)	0.32 (0.0209)	0.48 (0.0315)	-40.6192
	[0.02 - 0.06]	[0.01 - 0.03]	[0.01 - 0.03]	[-24.85 - 35.47]
Subiculum	0.46 (0.0301)	0.21 (0.0136)	0.25 (0.0165)	-19.6462
	[0.02 - 0.04]	[0.01 - 0.02]	[0.01 - 0.02]	[-20.15 - 29.83]

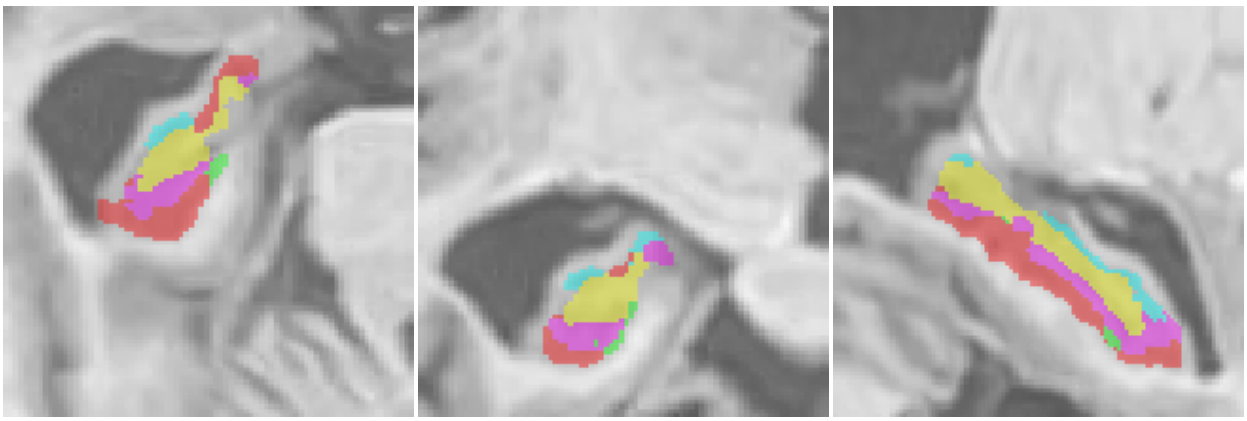
Intracranial cavity extraction



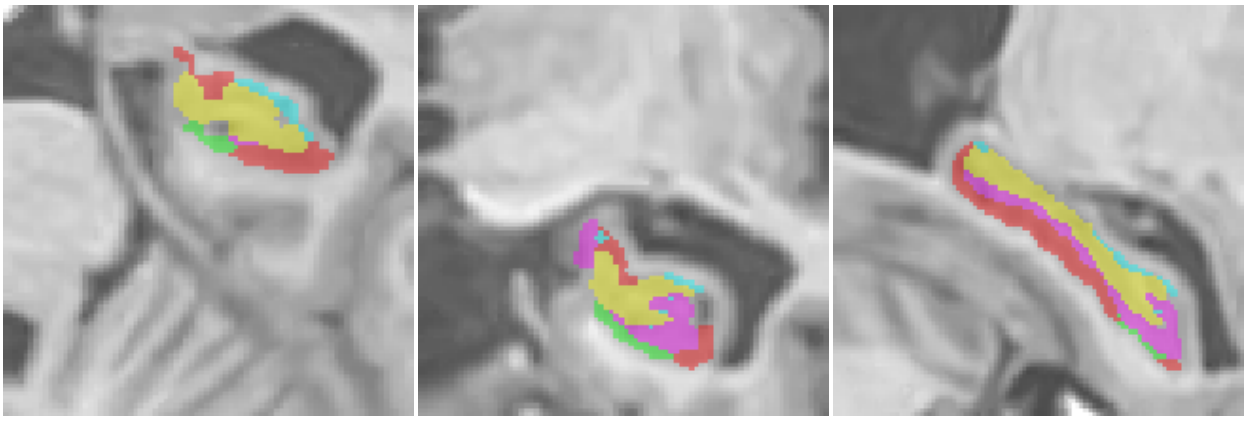
Expected volumes



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).*