volBrain.upv.es

HIPS Volumetry Report

Patient ID	Sex	Age	Report Date
job217486t1	Male	85	07-Jun-2020

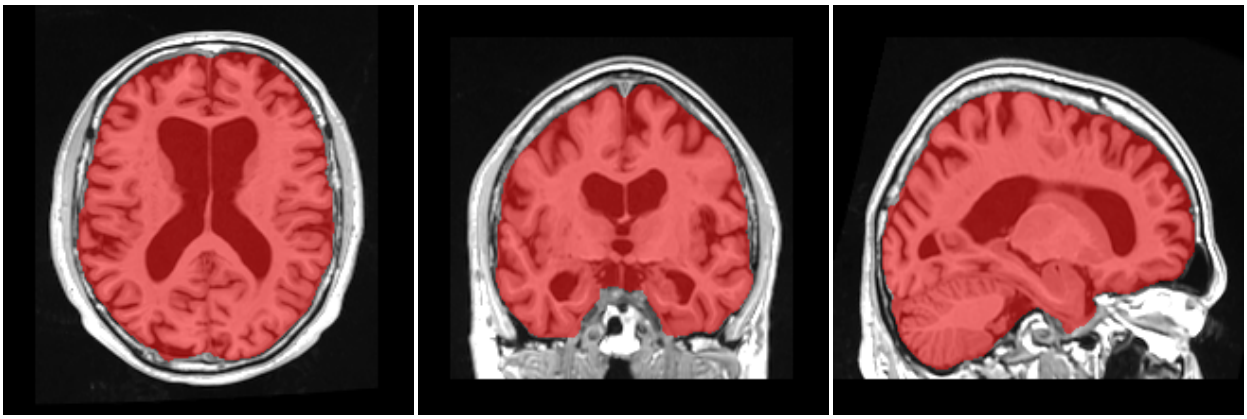
Image Information

Orientation[1]	neurological
Scale factor	0.87
Total intracranial volume (cm^3)	1522.23

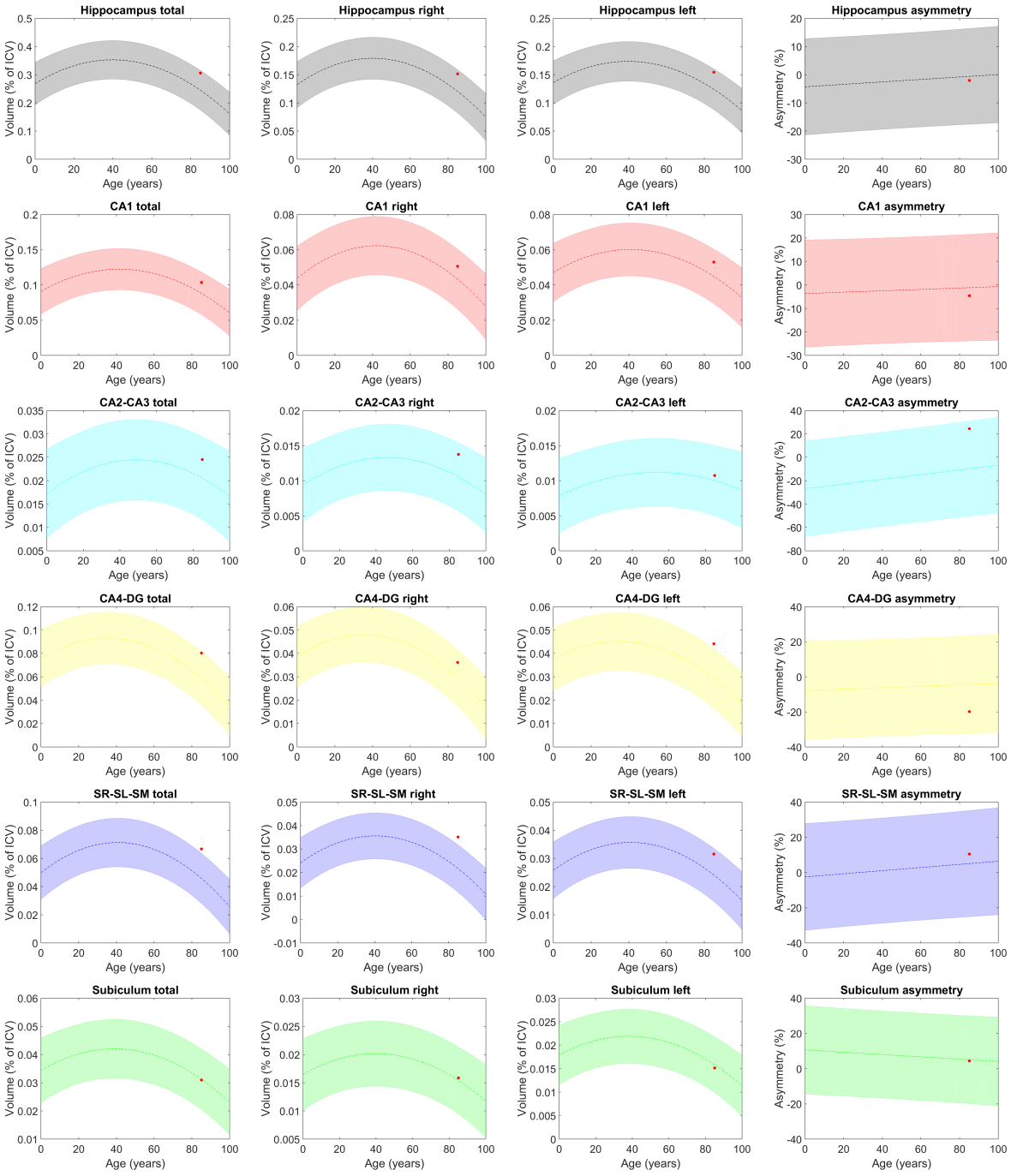
Segmentation protocol: Winterburn[2]

Volumes[3]	**Total** (cm^3/%)	**Right** (cm^3/%)	**Left** (cm^3/%)	**Asym.(%)**[4]
Hippocampus	4.67 (0.3065)	2.31 (0.1517)	2.36 (0.1548)	-2.0097
	[0.18 - 0.32]	[0.08 - 0.16]	[0.09 - 0.16]	[-17.62 - 16.32]
CA1	1.58 (0.1037)	0.77 (0.0507)	0.81 (0.0531)	-4.5668
	[0.06 - 0.12]	[0.03 - 0.06]	[0.03 - 0.06]	[-23.87 - 21.48]
CA2-CA3	0.37 (0.0245)	0.21 (0.0138)	0.16 (0.0108)	24.5101
	[0.01 - 0.03]	[0.01 - 0.02]	[0.01 - 0.02]	[-50.65 - 30.66]
CA4-DG	1.22 (0.0804)	0.55 (0.0362)	0.67 (0.0442)	-19.7983
	[0.04 - 0.08]	[0.02 - 0.04]	[0.02 - 0.04]	[-32.40 - 23.45]
SR-SL-SM	1.02 (0.0667)	0.53 (0.0351)	0.48 (0.0316)	10.6056
	[0.03 - 0.06]	[0.01 - 0.03]	[0.02 - 0.03]	[-25.15 - 35.05]
Subiculum	0.47 (0.0310)	0.24 (0.0159)	0.23 (0.0152)	4.5349
	[0.02 - 0.04]	[0.01 - 0.02]	[0.01 - 0.02]	[-19.83 - 30.04]

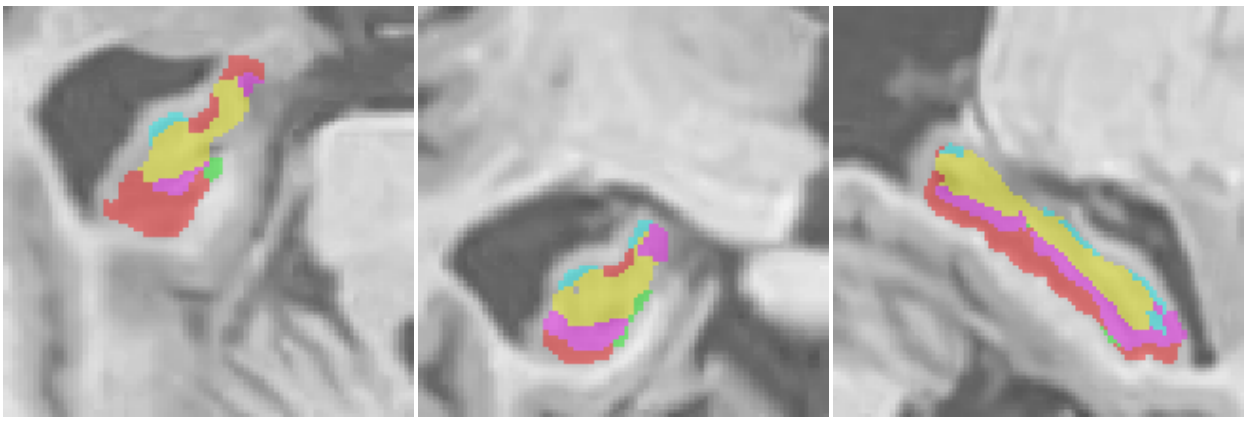
Intracranial cavity extraction



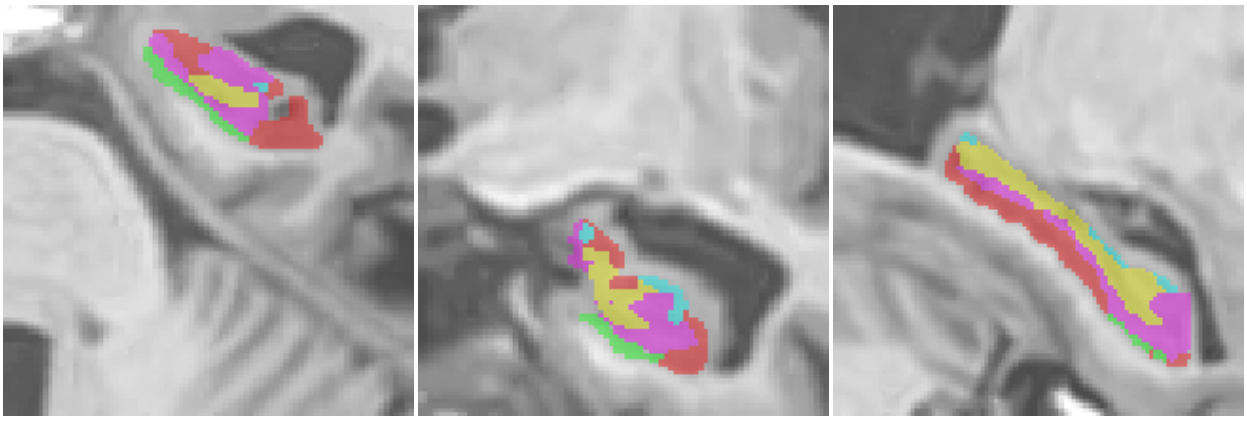
Expected volumes



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).*