volBrain.upv.es

HIPS Volumetry Report

Patient ID	Sex	Age	Report Date
job217495t1	Male	87	07-Jun-2020

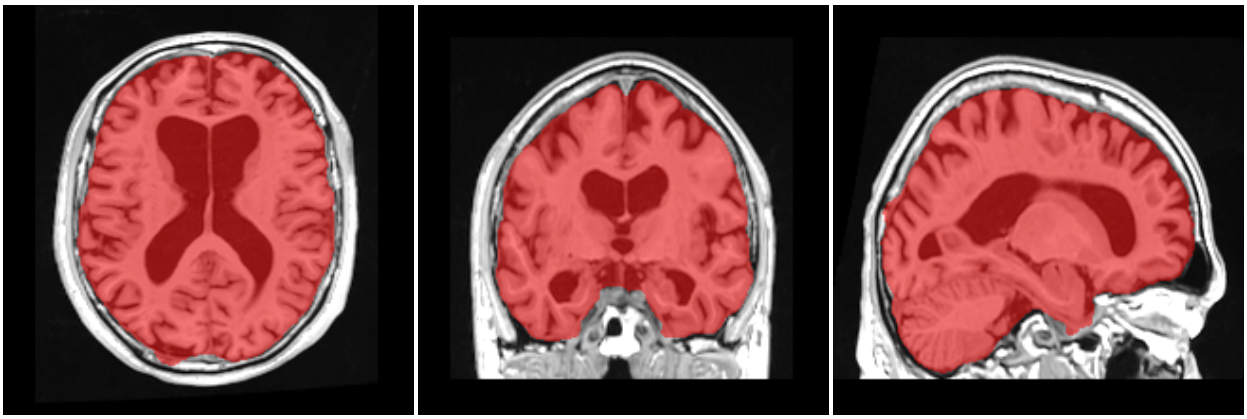
Image Information

Orientation[1]	neurological
Scale factor	0.85
Total intracranial volume (cm^3)	1500.94

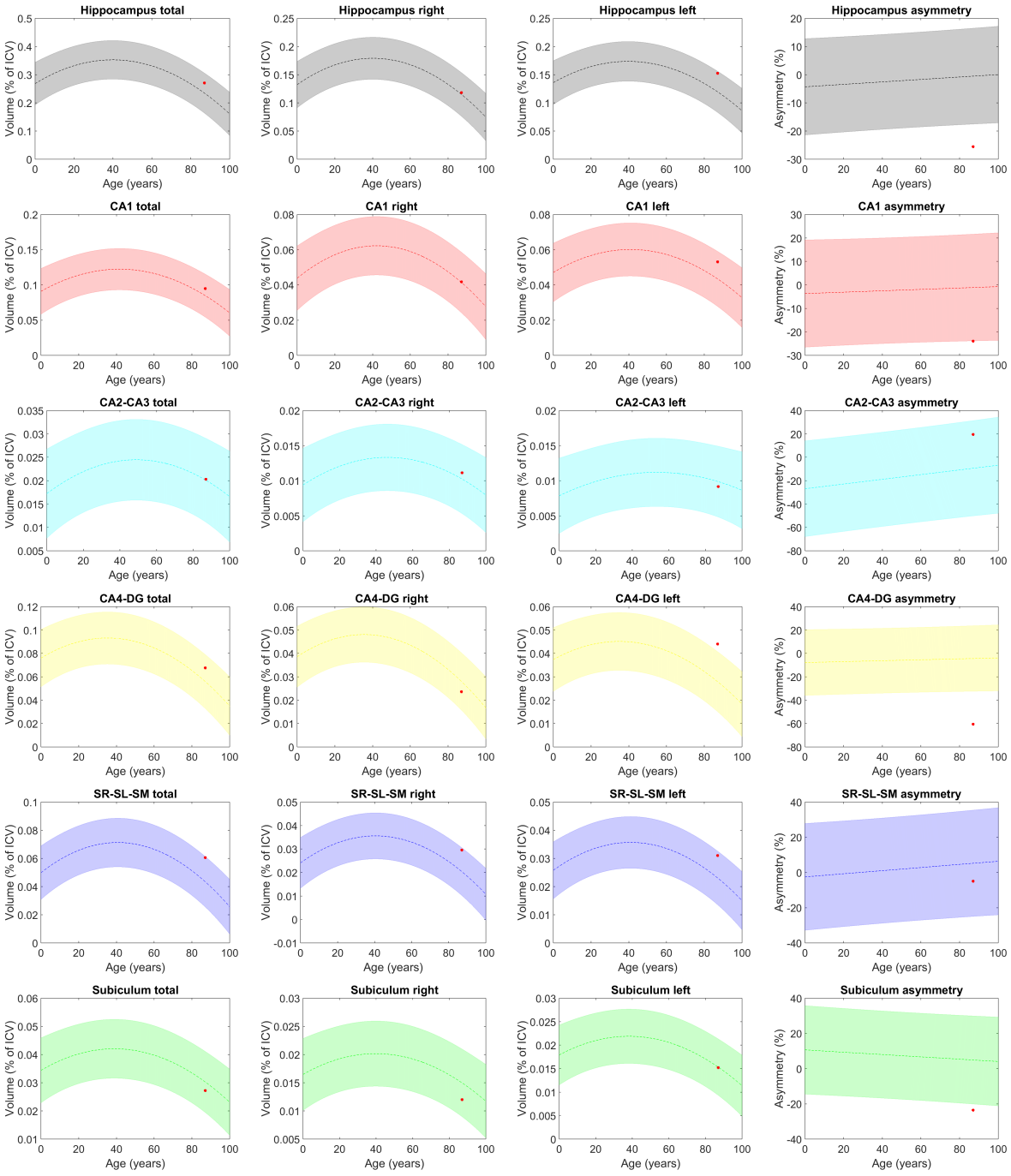
Segmentation protocol: Winterburn[2]

Volumes[3]	**Total** (cm^3/%)	**Right** (cm^3/%)	**Left** (cm^3/%)	**Asym.(%)**[4]
Hippocampus	4.07 (0.2712)	1.78 (0.1184)	2.29 (0.1529)	-25.4542
	[0.17 - 0.31]	[0.08 - 0.16]	[0.09 - 0.16]	[-17.55 - 16.42]
CA1	1.43 (0.0951)	0.63 (0.0419)	0.80 (0.0532)	-23.8919
	[0.06 - 0.12]	[0.03 - 0.06]	[0.03 - 0.06]	[-23.83 - 21.56]
CA2-CA3	0.31 (0.0203)	0.17 (0.0112)	0.14 (0.0092)	19.5207
	[0.01 - 0.03]	[0.01 - 0.02]	[0.00 - 0.01]	[-50.29 - 31.11]
CA4-DG	1.02 (0.0678)	0.36 (0.0237)	0.66 (0.0441)	-60.3499
	[0.03 - 0.08]	[0.02 - 0.04]	[0.02 - 0.04]	[-32.35 - 23.56]
SR-SL-SM	0.91 (0.0607)	0.44 (0.0296)	0.47 (0.0311)	-4.8815
	[0.03 - 0.06]	[0.01 - 0.03]	[0.01 - 0.03]	[-25.00 - 35.26]
Subiculum	0.41 (0.0273)	0.18 (0.0120)	0.23 (0.0152)	-23.4868
	[0.02 - 0.04]	[0.01 - 0.02]	[0.01 - 0.02]	[-19.99 - 29.94]

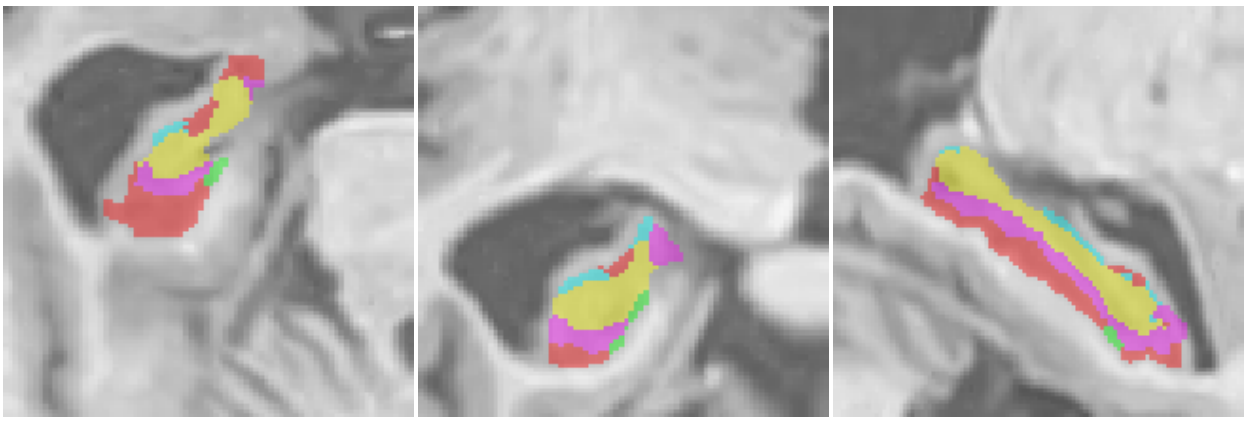
Intracranial cavity extraction



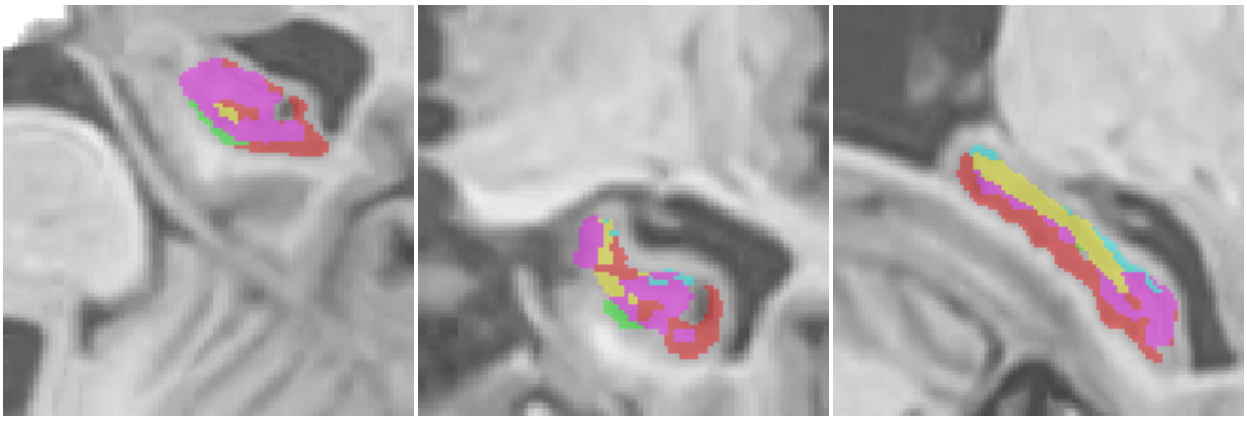
Expected volumes



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).*