volBrain.upv.es

HIPS Volumetry Report

Patient ID	Sex	Age	Report Date
job217316t1	Male	79	06-Jun-2020

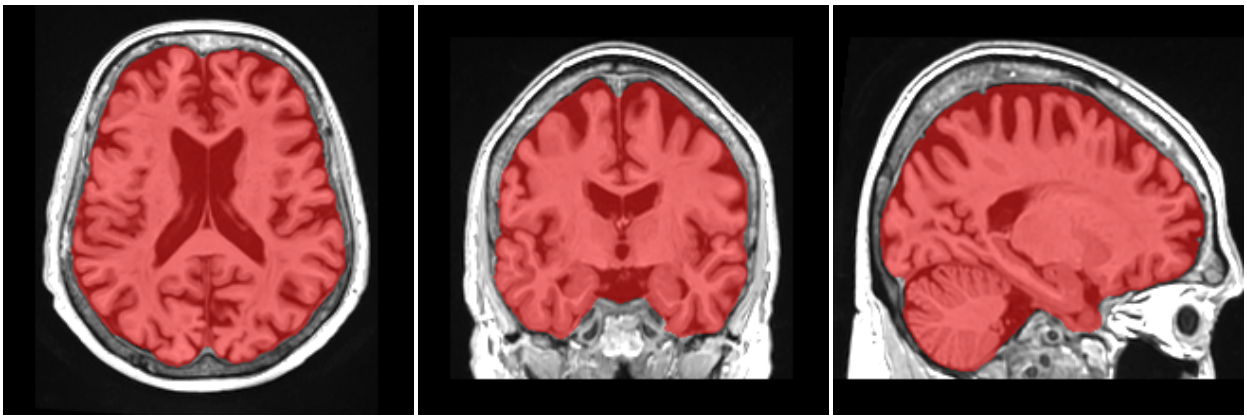
Image Information

Orientation[1]	neurological
Scale factor	0.82
Total intracranial volume (cm^3)	1491.28

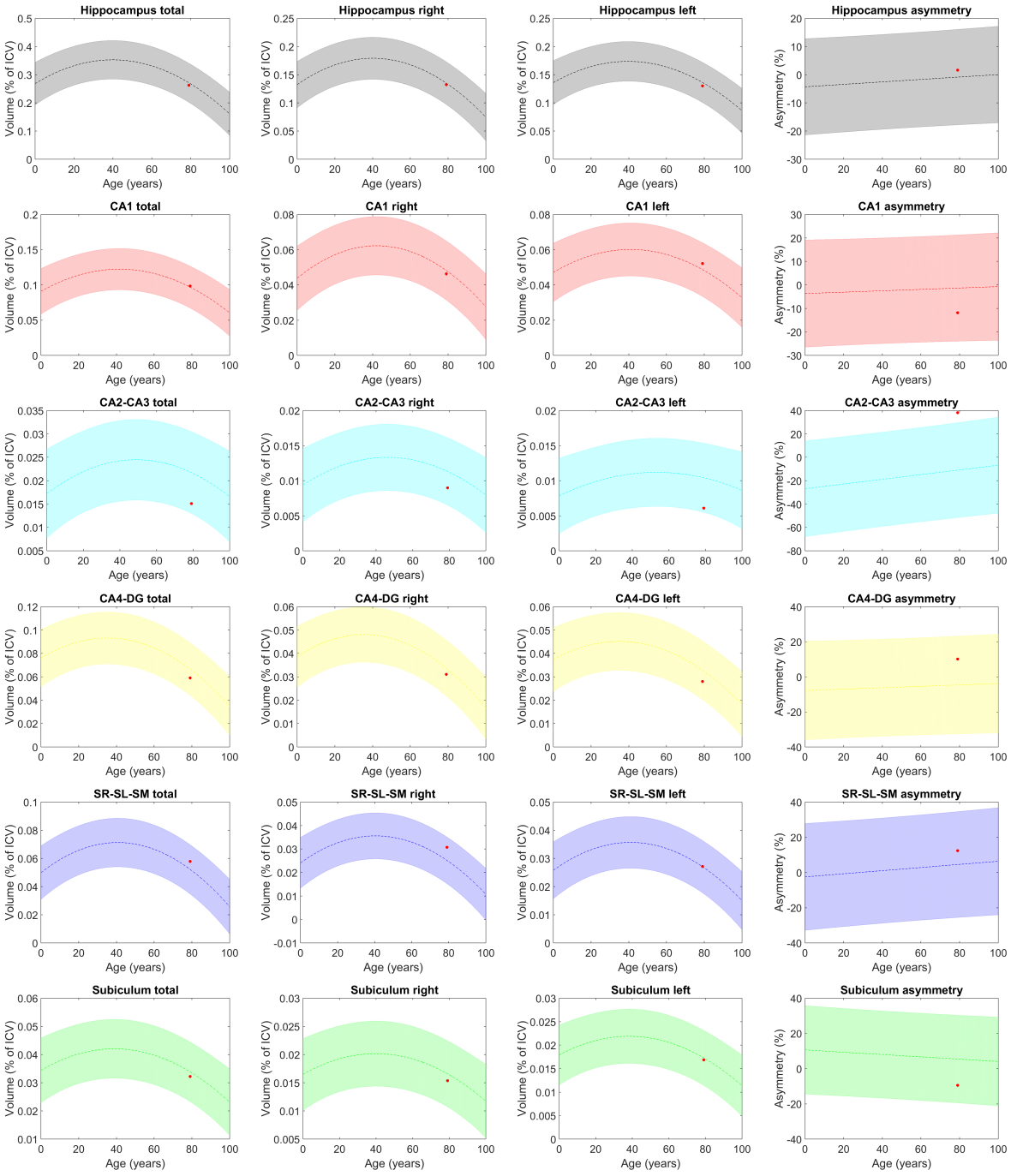
Segmentation protocol: Winterburn[2]

Volumes[3]	**Total** (cm^3/%)	**Right** (cm^3/%)	**Left** (cm^3/%)	**Asym.(%)**[4]
Hippocampus	3.92 (0.2632)	1.98 (0.1327)	1.95 (0.1305)	1.6679
	[0.21 - 0.34]	[0.10 - 0.17]	[0.10 - 0.17]	[-17.83 - 16.01]
CA1	1.47 (0.0987)	0.69 (0.0464)	0.78 (0.0522)	-11.7892
	[0.07 - 0.13]	[0.03 - 0.07]	[0.03 - 0.06]	[-23.98 - 21.23]
CA2-CA3	0.23 (0.0151)	0.13 (0.0090)	0.09 (0.0061)	38.2593
	[0.01 - 0.03]	[0.01 - 0.02]	[0.01 - 0.02]	[-51.75 - 29.34]
CA4-DG	0.88 (0.0591)	0.46 (0.0311)	0.42 (0.0281)	10.2308
	[0.05 - 0.09]	[0.02 - 0.05]	[0.02 - 0.05]	[-32.56 - 23.14]
SR-SL-SM	0.86 (0.0580)	0.46 (0.0308)	0.41 (0.0272)	12.4187
	[0.04 - 0.07]	[0.02 - 0.04]	[0.02 - 0.04]	[-25.59 - 34.44]
Subiculum	0.48 (0.0323)	0.23 (0.0154)	0.25 (0.0169)	-9.3537
	[0.02 - 0.04]	[0.01 - 0.02]	[0.01 - 0.02]	[-19.37 - 30.37]

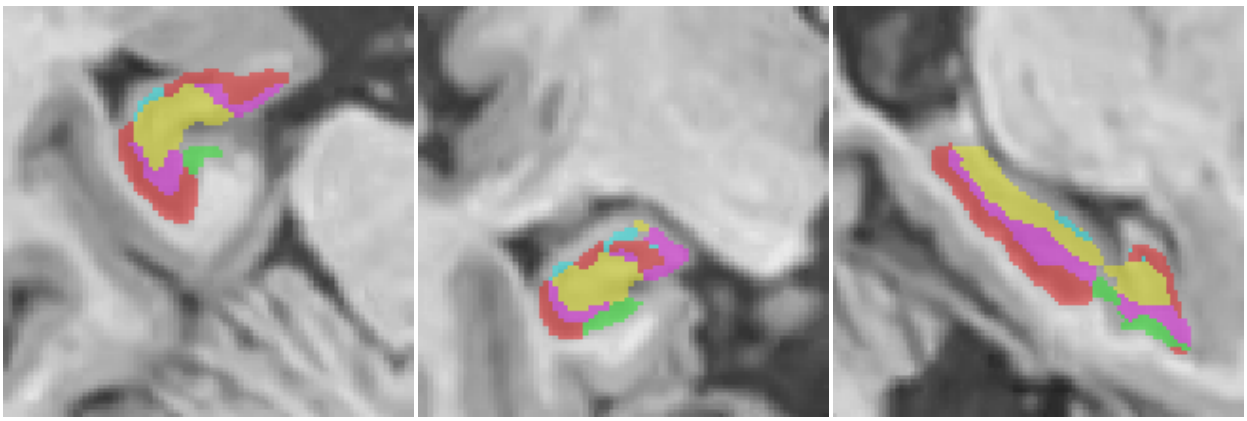
Intracranial cavity extraction



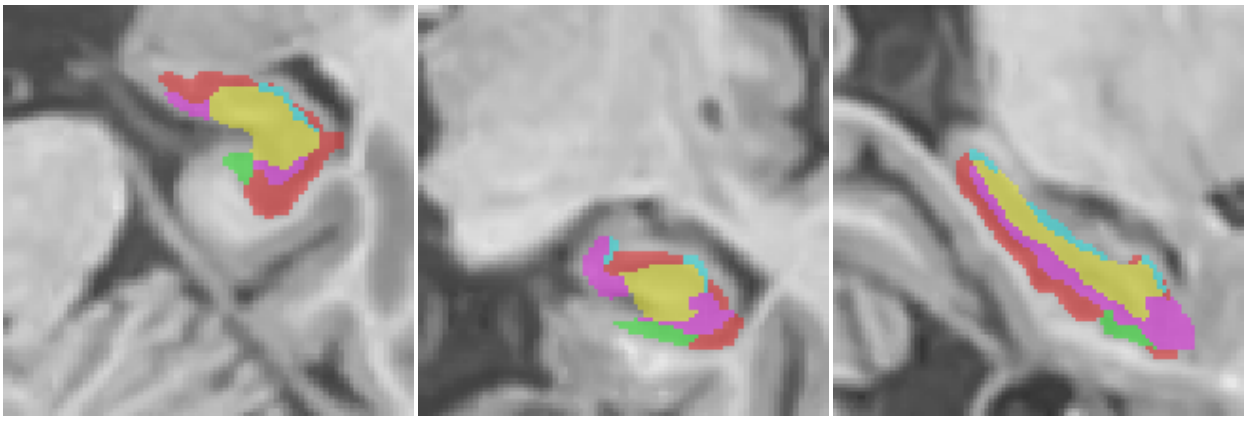
Expected volumes



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).*