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HIPS Volumetry Report

Patient ID	Sex	Age	Report Date
job216989t1	Male	81	05-Jun-2020

Image Information

Orientation ¹	neurological
Scale factor	0.92
Total intracranial volume (cm ³)	1602.23

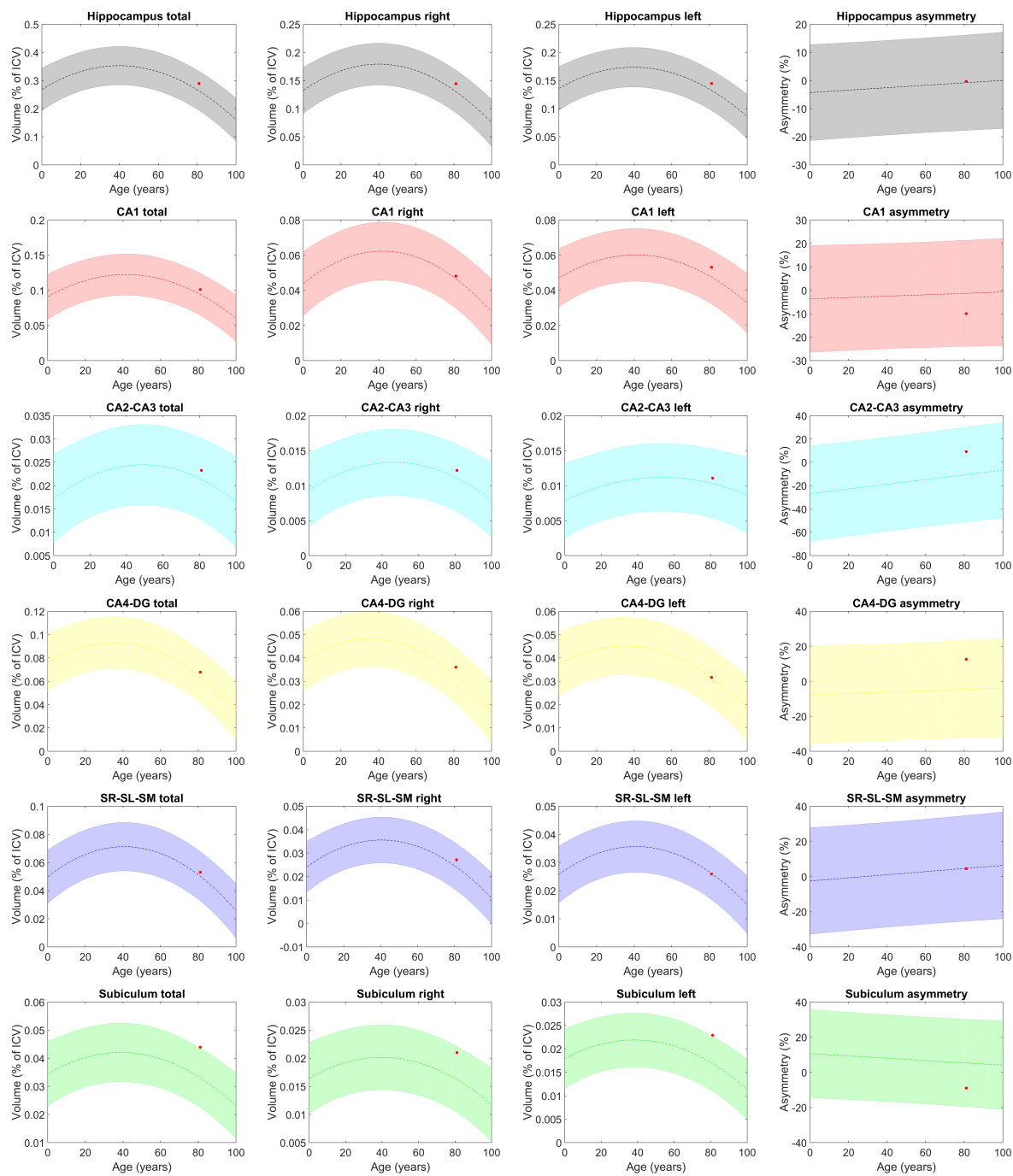
Segmentation protocol: Winterburn²

Volumes ³	Total (cm ³ /%)	Right (cm ³ /%)	Left (cm ³ /%)	Asym.(%) ⁴
<i>Hippocampus</i>	4.64 (0.2898) [0.20 - 0.34]	2.32 (0.1447) [0.09 - 0.17]	2.32 (0.1451) [0.10 - 0.17]	-0.2326 [-17.76 - 16.11]
<i>CA1</i>	1.62 (0.1014) [0.07 - 0.13]	0.77 (0.0482) [0.03 - 0.06]	0.85 (0.0532) [0.03 - 0.06]	-9.9052 [-23.94 - 21.31]
<i>CA2-CA3</i>	0.37 (0.0233) [0.01 - 0.03]	0.20 (0.0122) [0.01 - 0.02]	0.18 (0.0111) [0.01 - 0.02]	9.3596 [-51.38 - 29.78]
<i>CA4-DG</i>	1.09 (0.0679) [0.04 - 0.09]	0.58 (0.0361) [0.02 - 0.05]	0.51 (0.0318) [0.02 - 0.04]	12.7417 [-32.51 - 23.24]
<i>SR-SL-SM</i>	0.85 (0.0533) [0.03 - 0.07]	0.44 (0.0272) [0.01 - 0.03]	0.42 (0.0260) [0.02 - 0.04]	4.5510 [-25.44 - 34.64]
<i>Subiculum</i>	0.70 (0.0440) [0.02 - 0.04]	0.34 (0.0210) [0.01 - 0.02]	0.37 (0.0230) [0.01 - 0.02]	-8.8374 [-19.52 - 30.26]

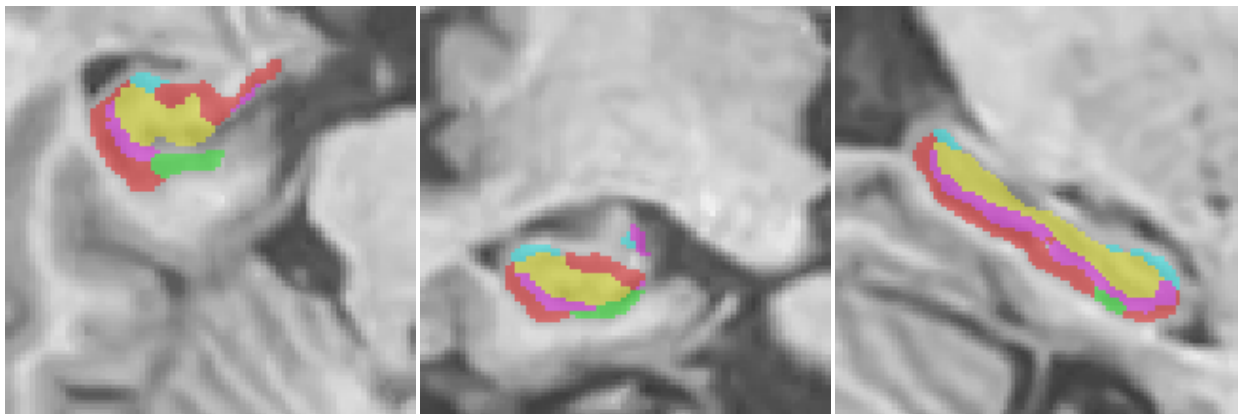
Intracranial cavity extraction



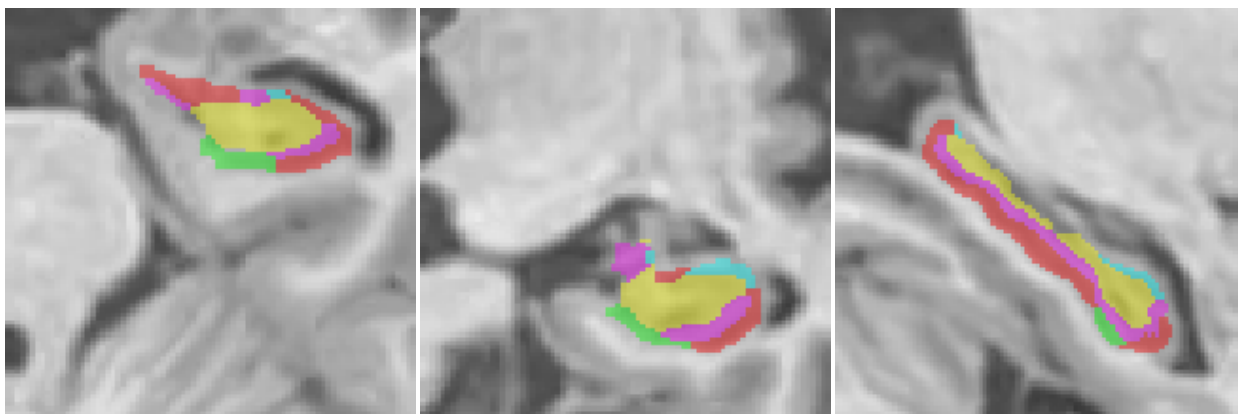
Expected volumes



Left hippocampus



Right hippocampus



¹Result images located in the MNI space (neurological orientation).

²For details 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.

³All the volumes are presented in absolute value (measured in cm^3) and in relative value (measured in relation to the ICV).

⁴The Asymmetry Index is calculated as the difference between right and left volumes divided by their mean (in percent).