



DeepLesionBrain volumetry report

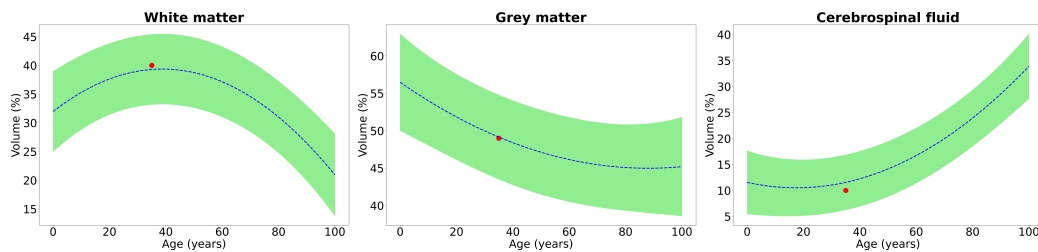
version 1.0 release 30-Jul-2021

Patient ID	Sex	Age	Report Date
job0000	Male	35	15-Oct-2021

Image information	Orientation	Scale factor	SNR
	Radiological	0.77	11.51

Tissues	Absolute vol. (cm^3)	Normalized vol. (%)
Intracranial Cavity (IC)	1424.87	100.00
White matter (including lesions)	571.52	40.11 [33.19 - 45.39]
Grey matter	699.11	49.06 [43.52 - 54.78]
Cerebrospinal fluid	154.23	10.82 [6.26 - 16.86]

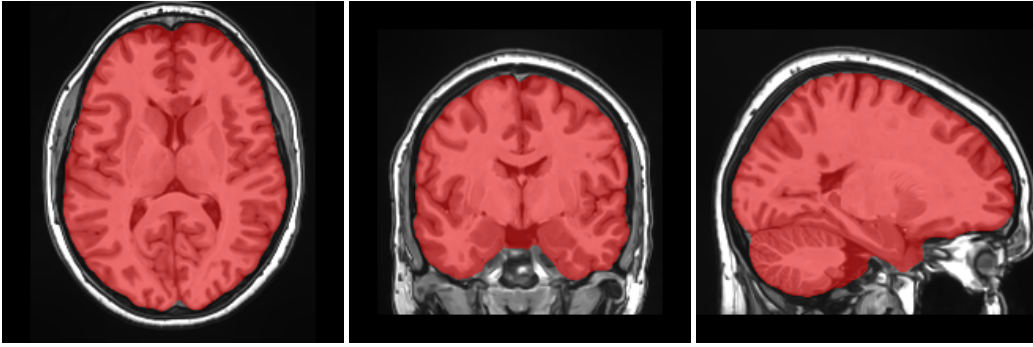
Tissue expected volumes



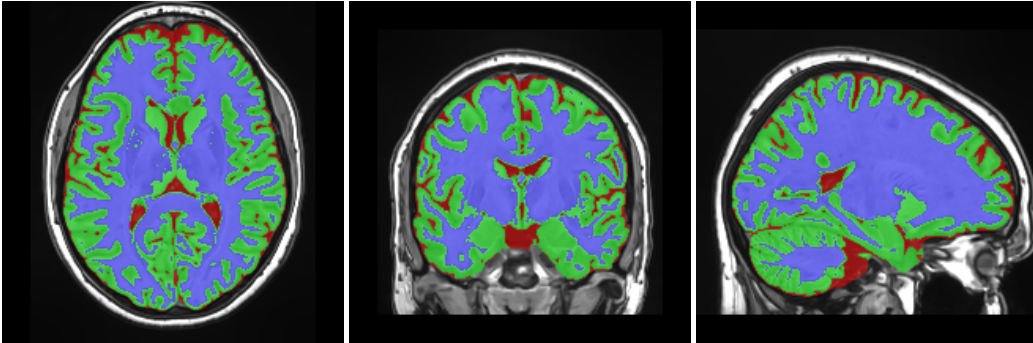
Lesions	Count	Absolute vol. (cm^3)	Normalized vol. (%)	Lesion burden
Total Lesions	55	8.2356	0.5780	1.4410
Periventricular	22	7.1187	0.4996	1.2456
Deepwhite	18	0.4561	0.0320	0.0798
Juxtacortical	13	0.4646	0.0326	0.0813
Infratentorial	2	0.1963	0.0138	0.0343
Cerebellar	2	0.1963	0.0138	0.0343
Medular	0	0.0000	0.0000	0.0000

All the volumes are presented in absolute value (measured in cm^3) and in relative value (measured in relation to the IC volume).
Values between brackets show expected limits (95%) of normalized volume in function of sex and age for each measure for reference purpose.
Position provides the x, y and z coordinates of the lesion center of mass.
Lesion burden is calculated as the lesion volume divided by the white matter volume.
All the result images are located in the MNI space (neurological orientation).

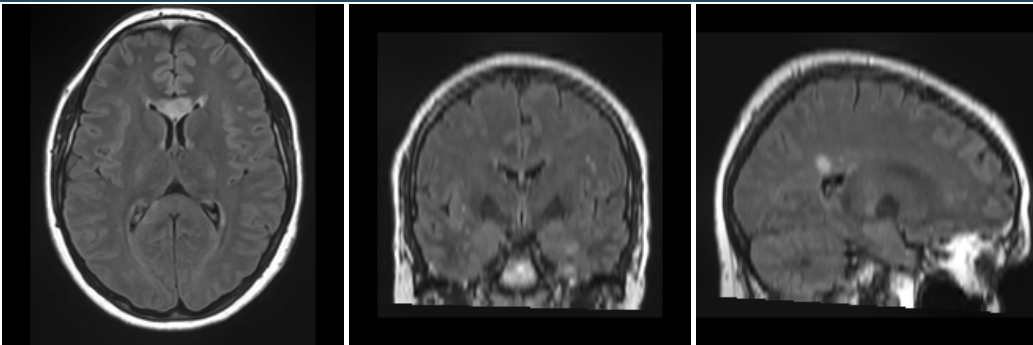
Intracranial cavity segmentation



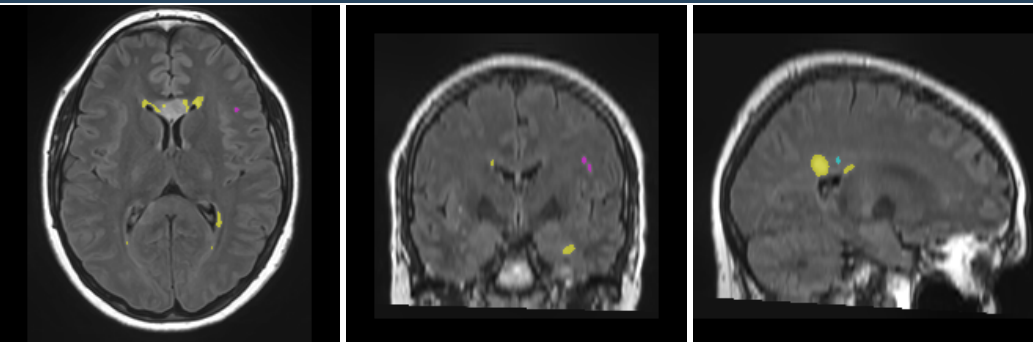
Tissue segmentation



FLAIR



Lesion segmentation



Periventricular Lesions	Absolute vol. (cm^3)	Normalized vol. (%)	Position (MNI coord.)
Lesion 1	1.5094	18.3282	(123, 78, 73)
Lesion 2	0.9199	11.1701	(67, 80, 96)
Lesion 3	0.7022	8.5265	(76, 150, 81)
Lesion 4	0.6493	7.8842	(74, 109, 101)
Lesion 5	0.6079	7.3816	(105, 153, 78)
Lesion 6	0.6056	7.3536	(128, 105, 62)
Lesion 7	0.5205	6.3204	(101, 105, 96)
Lesion 8	0.3894	4.7287	(80, 126, 98)
Lesion 9	0.3059	3.7140	(111, 82, 97)
Lesion 10	0.2568	3.1183	(48, 110, 53)
Lesion 11	0.2192	2.6622	(107, 128, 99)
Lesion 12	0.1142	1.3869	(57, 83, 72)
Lesion 13	0.1035	1.2566	(123, 120, 43)
Lesion 14	0.0744	0.9029	(110, 108, 97)
Lesion 15	0.0422	0.5120	(63, 72, 88)
Lesion 16	0.0337	0.4096	(87, 98, 89)
Lesion 17	0.0261	0.3165	(62, 65, 77)
Lesion 18	0.0238	0.2886	(77, 86, 88)
Lesion 19	0.0054	0.0652	(66, 89, 87)
Lesion 20	0.0054	0.0652	(74, 88, 92)
Lesion 21	0.0031	0.0372	(77, 91, 92)
Lesion 22	0.0008	0.0093	(68, 92, 89)

Deepwhite Lesions	Absolute vol. (cm^3)	Normalized vol. (%)	Position (MNI coord.)
Lesion 23	0.0813	0.9867	(73, 147, 101)
Lesion 24	0.0744	0.9029	(60, 114, 111)
Lesion 25	0.0652	0.7912	(68, 91, 99)
Lesion 26	0.0445	0.5399	(121, 101, 96)
Lesion 27	0.0406	0.4933	(64, 100, 95)
Lesion 28	0.0337	0.4096	(119, 155, 87)
Lesion 29	0.0261	0.3165	(66, 97, 99)
Lesion 30	0.0253	0.3072	(68, 93, 115)
Lesion 31	0.0176	0.2141	(133, 71, 104)
Lesion 32	0.0146	0.1769	(63, 103, 66)
Lesion 33	0.0092	0.1117	(112, 114, 112)
Lesion 34	0.0069	0.0838	(116, 100, 90)
Lesion 35	0.0061	0.0745	(126, 129, 43)
Lesion 36	0.0038	0.0465	(120, 83, 97)
Lesion 37	0.0023	0.0279	(59, 163, 73)
Lesion 38	0.0023	0.0279	(120, 158, 72)
Lesion 39	0.0015	0.0186	(115, 153, 68)
Lesion 40	0.0008	0.0093	(125, 160, 68)

Juxtacortical Lesions	Absolute vol. (cm^3)	Normalized vol. (%)	Position (MNI coord.)
Lesion 41	0.1234	1.4987	(52, 92, 62)
Lesion 42	0.0613	0.7447	(111, 70, 101)
Lesion 43	0.0514	0.6237	(78, 157, 116)
Lesion 44	0.0475	0.5771	(136, 117, 95)
Lesion 45	0.0437	0.5306	(107, 108, 106)
Lesion 46	0.0437	0.5306	(133, 121, 100)
Lesion 47	0.0399	0.4840	(118, 68, 83)
Lesion 48	0.0153	0.1862	(115, 70, 77)
Lesion 49	0.0146	0.1769	(132, 150, 80)
Lesion 50	0.0123	0.1489	(83, 161, 87)
Lesion 51	0.0054	0.0652	(76, 81, 74)
Lesion 52	0.0038	0.0465	(99, 157, 95)
Lesion 53	0.0023	0.0279	(51, 98, 55)

Cerebellar Lesions	Absolute vol. (cm^3)	Normalized vol. (%)	Position (MNI coord.)
Lesion 54	0.1073	1.3032	(102, 82, 36)
Lesion 55	0.0889	1.0798	(78, 81, 35)