

Image ID: JaAh_20190117_001 **Age:** 75 **Gender:** Female
Clinical Image ID: REMOVED
Analysis date: 2019-Jan-17 10:06:24
User name: Jamila Ahdidan

Results					
The measured total intracranial volume (mTIV) = 1980 ml.					
Hippocampal Left-Right Asymmetry Index			NR Index	Z-score	Percentile
-0.013007			0.46	0.03	51.20
Structures	Vol ml	Vol/mTIV ratio (%)	NR Index	Z-score	Percentile
Whole Brain Matter	1117.24	56.44	0.83	0.06	52.25
Gray Matter	635.44	32.10	1.53	0.10	54.14
White Matter	482.06	24.35	-0.72	-0.05	48.06
Hippocampus	7.23	0.37	-4.42	-0.30	38.23
Right Hippocampus	3.64	0.18	-4.41	-0.30	38.27
Left Hippocampus	3.59	0.18	-4.15	-0.28	38.92
Amygdala	2.36	0.12	-5.61	-0.38	35.20
Right Amygdala	1.19	0.06	-6.20	-0.42	33.73
Left Amygdala	1.18	0.06	-4.65	-0.31	37.65
Putamen	5.31	0.27	-18.48	-1.25	10.53
Right Putamen	2.82	0.14	-15.95	-1.08	14.00
Left Putamen	2.49	0.13	-20.18	-1.37	8.59
Thalamus	19.14	0.97	0.87	0.06	52.34
Right Thalamus	9.84	0.50	2.94	0.20	57.90
Left Thalamus	9.30	0.47	-1.13	-0.08	46.96
Ventral Diencephalon	11.28	0.57	3.67	0.25	59.81
Right Ventral Diencephalon	5.54	0.28	2.09	0.14	55.62
Left Ventral Diencephalon	5.75	0.29	5.09	0.35	63.50
Pallidum	3.27	0.17	-0.12	-0.01	49.68
Right Pallidum	1.68	0.08	1.96	0.13	55.29

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Structures	Vol ml	Vol/mTIV ratio (%)	NR Index	Z-score	Percentile
Left Pallidum	1.59	0.08	-2.07	-0.14	44.42
Caudate	7.82	0.39	-0.06	0.00	49.83
Right Caudate	3.73	0.19	-2.44	-0.17	43.44
Left Caudate	4.09	0.21	2.28	0.15	56.14
Brain Stem	21.24	1.07	1.93	0.13	55.20
Frontal Lobe	406.81	20.55	3.88	0.26	60.37
Right Frontal Lobe	203.60	10.28	3.89	0.26	60.39
Left Frontal Lobe	203.22	10.27	3.76	0.25	60.06
Parietal Lobe	194.97	9.85	-1.29	-0.09	46.52
Right Parietal Lobe	94.83	4.79	-4.03	-0.27	39.26
Left Parietal Lobe	100.14	5.06	1.36	0.09	53.66
Occipital Lobe	95.16	4.81	-1.34	-0.09	46.39
Right Occipital Lobe	50.68	2.56	3.32	0.22	58.90
Left Occipital Lobe	44.48	2.25	-4.78	-0.32	37.32
Temporal Lobe	222.66	11.25	2.30	0.16	56.19
Right Temporal Lobe	108.61	5.49	-0.97	-0.07	47.39
Left Temporal Lobe	114.06	5.76	5.61	0.38	64.80
Cerebellum	152.07	7.68	9.84	0.67	74.74
Right Cerebellum	75.32	3.80	8.65	0.59	72.11
Left Cerebellum	76.75	3.88	10.84	0.73	76.86
CSF (+ dura)	670.32	33.86	10.99	0.74	77.17
Lateral Ventricle	47.10	2.38	6.43	0.44	66.84
Right Lateral Ventricle	23.13	1.17	6.54	0.44	67.10
Left Lateral Ventricle	23.98	1.21	6.00	0.41	65.77

(*) NR Index = Neuroreader Index

 Colors: **orange** for volumes with a percentile lower than 25% and a percentile over 75% for all ventricles and CSF.

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Conclusion

All structures with a percentile lower than 25% and a percentile over 75% for all ventricles and CSF (orange font):

- Putamen (10.53%)
- Right Putamen (14.00%)
- Left Putamen (8.59%)

- CSF (+ dura) (77.17%)

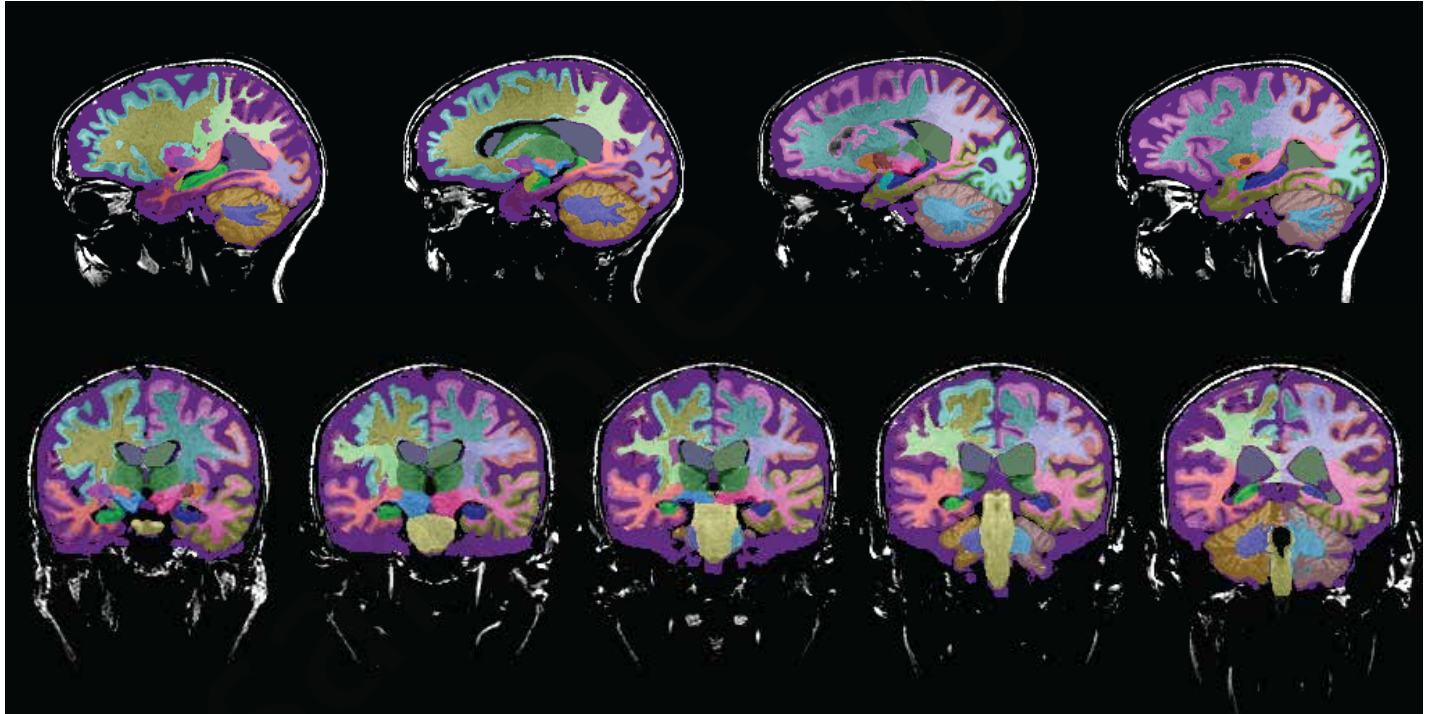


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Charts

