

	Tau + MCI (N = 17)	Tau - MCI (N = 67)	<i>P</i> value
Demographics			
Female, n(%)	10 (58.82%)	25 (37.31%)	0.17
ApoEε4 (+/+), n(%)	13 (76.47%)	25 (37.31%)	< 0.01*
Years of education	16.18 ± 2.04	16.52 ± 2.46	0.555
Age	69.95 ± 6.38	72.39 ± 8.23	0.196
Neurocognitive measures			
ADAS-Cog13	21.33 ± 7.33	12.78 ± 4.54	< 0.01*
ADNI-EF	0.04 ± 0.97	0.67 ± 0.85	0.022*
ADNI-MEM	-0.02 ± 0.68	0.46 ± 0.53	0.014*
CDRSB	1.91 ± 1.15	1.32 ± 0.99	0.064
EcogPtTotal	1.86 ± 0.6	1.89 ± 0.67	0.862
FAQ	5.35 ± 4.05	2.73 ± 4.19	0.026*
MMSE	26.29 ± 2.76	28.31 ± 1.49	<0.01*
MoCA	21.41 ± 4.15	23.82 ± 2.77	0.035*
RAVLT_forgetting	2.94 ± 8.22	5.01 ± 2.56	0.319
RAVLT_immediate	32.24 ± 11.73	38.73 ± 9.79	0.047*
RAVLT_learning	3.18 ± 2.72	4.96 ± 2.49	0.022*
RAVLT_perc_forgetting	41.67 ± 117.44	54.68 ± 27.91	0.656
MRI imaging			
Volumes of right hippocampus	3413.16 ± 574.3	3813.59 ± 539.46	0.016*

Volumes of left hippocampus	3301.26 ± 493.59	3692.61 ± 499.71	< 0.01*
Volumes of right entorhinal	1863.41 ± 489.95	2015.79 ± 429.14	0.253
Surface area of right entorhinal	399.18 ± 63.34	389.91 ± 64.94	0.597
Thickness average of right entorhinal	3.2 ± 0.42	3.55 ± 0.46	< 0.01*
Cortical thickness standard deviation of right entorhinal	0.85 ± 0.12	0.76 ± 0.15	0.011*
Volumes of left entorhinal	1848.35 ± 481.33	1984.63 ± 386.67	0.291
Surface area of left entorhinal	431.47 ± 69.67	427.31 ± 75.54	0.831
Thickness average of left entorhinal	3.08 ± 0.41	3.44 ± 0.49	< 0.01*
Cortical thickness standard deviation of left entorhinal	0.85 ± 0.1	0.78 ± 0.16	0.04*
Volumes of right temporal pole	2394.53 ± 520.8	2445.18 ± 421.45	0.714
Surface area of right temporal pole	436.94 ± 60.9	439.76 ± 56.2	0.864
Thickness average of right temporal pole	3.52 ± 0.4	3.73 ± 0.35	0.065
Cortical thickness standard deviation of right temporal pole	0.72 ± 0.12	0.65 ± 0.13	0.054
Volumes of left temporal pole	2416.59 ± 461.17	2382.09 ± 403.11	0.78
Surface area of left temporal pole	437.35 ± 45.27	450.49 ± 48.65	0.302
Thickness average of left temporal pole	3.52 ± 0.39	3.61 ± 0.38	0.441
Cortical thickness standard deviation of left temporal pole	0.73 ± 0.13	0.69 ± 0.13	0.385
Volumes of right middle temporal	9813.18 ± 1402.46	10968.33 ± 1441.05	< 0.01*
Surface area of right middle temporal	3003.41 ± 314.64	3217.97 ± 387.28	0.023*
Thickness average of right middle temporal	2.71 ± 0.21	2.86 ± 0.16	0.013*
Cortical thickness standard deviation of right middle	0.64 ± 0.08	0.63 ± 0.08	0.902

temporal

Volumes of left middle temporal	9271.59 ± 1264	10186.39 ± 1678.58	0.019*
Surface area of left middle temporal	2725.76 ± 255.89	2967.78 ± 407.44	< 0.01*
Thickness average of left middle temporal	2.74 ± 0.2	2.82 ± 0.19	0.178
Cortical thickness standard deviation of left middle	0.66 ± 0.08	0.64 ± 0.06	0.305

temporal

Volumes of right inferior temporal	9337.82 ± 1352.36	9985.61 ± 1631.95	0.102
Surface area of right inferior temporal	2882.59 ± 309.52	2970.4 ± 430.01	0.345
Thickness average of right inferior temporal	2.74 ± 0.22	2.86 ± 0.14	0.035*
Cortical thickness standard deviation of right inferior	0.72 ± 0.1	0.7 ± 0.08	0.361

temporal

Volumes of left inferior temporal	9233.24 ± 1396.84	10845.87 ± 1708.87	< 0.01*
Surface area of left inferior temporal	2885.94 ± 319.66	3189.78 ± 461.88	< 0.01*
Thickness average of left inferior temporal	2.7 ± 0.2	2.86 ± 0.15	< 0.01*
Cortical thickness standard deviation of left inferior	0.7 ± 0.06	0.7 ± 0.07	0.862

temporal

Volumes of right fusiform	9157.94 ± 1924.29	9413.93 ± 1338.54	0.61
Surface area of right fusiform	2830.71 ± 362	2893.49 ± 346.35	0.526
Thickness average of right fusiform	2.78 ± 0.32	2.84 ± 0.17	0.477
Cortical thickness standard deviation of right fusiform	0.7 ± 0.06	0.69 ± 0.08	0.662
Volumes of left fusiform	9300.18 ± 1567.96	9525.82 ± 1363.52	0.592
Surface area of left fusiform	2929.53 ± 314.50	2928.16 ± 341.1	0.988

Thickness average of left fusiform	2.71 ± 0.27	2.84 ± 0.17	0.076
Cortical thickness standard deviation of left fusiform	0.68 ± 0.07	0.69 ± 0.09	0.81

Results are mean ± (SD). *P* value assessed using two-tailed Student *t* test for each variable except female and ApoEε4, where chi-square (χ^2) test was performed. **P* value statistically significant.

Abbreviations: MCI mild cognitive impairment, ApoE Apolipoprotein E, ADAS-Cog13 Alzheimer's Disease Assessment Scale-Cognitive Subscale 13, ADNI-EF ADNI-Executive function summary score, ADNI-MEM ADNI-Memory summary score, CDRSB the CDR Sum of Boxes, FAQ Functional Assessment Questionnaire, MMSE Mini-Mental State Examination, MoCA Montreal Cognitive Assessment, RAVLT the Rey Auditory Verbal Learning Test