

**Supplementary Table 1:** Correlation between retinal thickness and volume and level of MMSE score.

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Correlations			MMSE		MMSE	
Spearman's rho			Patients		Control	
	Age	Correlation Coefficient	-0.149		0.296	0.276
		Sig. (2-tailed)	0.255		0.406	0.238
		N	60		10	20
E	EMM5. central subfield thickness	Correlation Coefficient	-0.05		0.205	-0.064
		Sig. (2-tailed)	0.703		0.523	0.79
		N	60		12	20
F	EMM5. inner superior quadrant	Correlation Coefficient	-0.162		0.821	0.776
		Sig. (2-tailed)	0.216		0.001	0
		N	60		12	20
G	EMM5 inner nasal quadrant	Correlation Coefficient	-0.104		0.768	0.593
		Sig. (2-tailed)	0.428		0.004	0.006
		N	60		12	20
H	EMM5 inner inferior quadrant	Correlation Coefficient	-0.119		0.666	0.529
		Sig. (2-tailed)	0.365		0.018	0.017
		N	60		12	20,000
I	EMM5 inner temporal quadrant	Correlation Coefficient	-0.183		0.821	0.731
		Sig. (2-tailed)	0.161		0.001	0
		N	60		12	20

J	EMM5 outer superior quadrant	Correlation Coefficient	-0.172		0.825	0.685
		Sig. (2-tailed)	0.19		0.001	0.001
		N	60		12	20
K	EMM5 outer nasal quadrant	Correlation Coefficient	-0.156		0.205	-0.046
		Sig. (2-tailed)	0.233		0.523	0.849
		N	60		12	20
L	EMM5 outer inferior quadrant	Correlation Coefficient	-0.222		0.258	-0.138
		Sig. (2-tailed)	0.088		0.418	0.563
		N	60		12	20
M	EMM5 outer temporal quadrant	Correlation Coefficient	-0.173		0.819	0.738
		Sig. (2-tailed)	0.185		0.001	0
		N	60		12	20
N	EMM5 foveal volume	Correlation Coefficient	0.024		0.206	0.082
		Sig. (2-tailed)	0.854		0.521	0.73
		N	60		12	20
O	EMM5 parafoveal volume temporal	Correlation Coefficient	-0.124		0.672	0.494
		Sig. (2-tailed)	0.347		0.017	0.027
		N	60		12	20
P	EMM5 parafoveal volume superior	Correlation Coefficient	-0.16		0.821	0.576
		Sig. (2-tailed)	0.222		0.001	0.008
		N	60		12	20

Q	EMM5 parafoveal volume nasal	Correlation Coefficient	-0.112		0.768	0.72
		Sig. (2-tailed)	0.392		0.004	0
		N	60		12	20
R	EMM5 parafoveal volume inferior	Correlation Coefficient	-0.123		0.666	0.647
		Sig. (2-tailed)	0.348		0.018	0.002
		N	60		12	20
S	EMM5 perifoveal volume temporal	Correlation Coefficient	-0.202		0.819	0.829
		Sig. (2-tailed)	0.122		0.001	0
		N	60		12	20
T	EMM5 perifoveal volume superior	Correlation Coefficient	-0.197		0.821	0.684
		Sig. (2-tailed)	0.131		0.001	0.001
		N	60		12	20
U	EMM5 perifoveal volume nasal	Correlation Coefficient	-0.15		0.205	-0.082
		Sig. (2-tailed)	0.251		0.522	0.731
		N	60		12	20
V	EMM5 perifoveal volume inferior	Correlation Coefficient	-0.177		0.231	-0.064
		Sig. (2-tailed)	0.176		0.47	0.789
		N	60		12	20
W	RNFL overall	Correlation Coefficient	0.061		0.513	0.631
		Sig. (2-tailed)	0.644		0.088	0.003
		N	60		12	20

X	RNFL temporal	Correlation Coefficient	-0.005		0.717	0.683
		Sig. (2-tailed)	0.97		0.009	0.001
		N	60		12	20,000
Y	RNFL superior	Correlation Coefficient	0.112		-0.205	-0.118
		Sig. (2-tailed)	0.394		0.523	0.619
		N	60		12	20
Z	RNFL nasal	Correlation Coefficient	0.009		0.103	0.248
		Sig. (2-tailed)	0.943		0.751	0.292
		N	60		12	20
AA	RNFL inferior	Correlation Coefficient	0.02		0.256	0.146
		Sig. (2-tailed)	0.877		0.422	0.539
		N	60		12	20
AB	GCC average	Correlation Coefficient	-0.124		0.819	0.701
		Sig. (2-tailed)	0.344		0.001	0.001
		N	60		12	20
AC	GCC superior	Correlation Coefficient	-0.238		0.819	0.774
		Sig. (2-tailed)	0.067		0.001	0
		N	60		12	20
AD	GCC inferior	Correlation Coefficient	-0.069		0.563	0.419
		Sig. (2-tailed)	0.602		0.056	0.066
		N	60		12	20

AE	GCC FVL%	Correlation Coefficient	-0.02		-0.307	-0.201
		Sig. (2-tailed)	0.878		0.331	0.396
		N	60		12	20
AF	GCC GVL%	Correlation Coefficient	0.17		-0.768	-0.72
		Sig. (2-tailed)	0.197		0.004	0
		N	59		12	20