

Supplementary materials

eTable 1. Correlation between GLB and vascular risk factor, WMHs and grey matter atrophy in cognitively normal controls

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1. GLB	-																					
<i>Demographics</i>																						
2. Age	-.30	-																				
3. Gender	.00	-.07	-																			
4. Education	.07	.18	-.06	-																		
5. MoCa	.24	-.25	-.16	.03	-																	
<i>WMH volumes (controlling for age, gender, education and moca)</i>																						
6. Periventricular	-.12	.64**	-.11	.16	-.38*	-																
7. Right Frontal	-.08	.57**	-.02	-.04	-.37*	.78**	-															
8. Left Frontal	-.10	.63**	-.10	.08	-.35	.89**	.93**	-														
9. Right Temporal	-.03	.48*	-.01	.14	-.31	.84**	.62**	.62**	-													
10. Left Temporal	-.09	.42*	.06	.10	-.31	.81**	.66**	.61**	.96**	-												
11. Right Parietal	-.02	.37*	.00	.10	-.28	.82**	.56**	.56**	.93**	.95**	-											
12. Left Parietal	-.08	.44*	.03	.11	-.31	.88**	.72**	.72**	.93**	.97**	.95**	-										
13. Right Occipital	-.05	.42*	-.22	.03	-.30	.73**	.44*	.52**	.69**	.63**	.71**	.62**	-									
14. Left Occipital	-.00	.40*	-.23	.00	-.16	.67**	.49*	.47**	.78**	.69**	.72**	.65**	.81**	-								
<i>Grey matter volumes (controlling for age, gender, education and moca)</i>																						
15. Right Frontal	.39*	-.36	-.65**	.19	.12	-.10	-.09	-.08	-.06	-.10	-.03	-.11	.13	.10	-							
16. Left Frontal	.39*	-.27	-.66**	.18	.18	-.12	-.11	-.08	-.13	-.17	-.09	-.16	.06	.04	.96**	-						
17. Right Medial Temporal	.30	-.26	-.70**	.22	.16	-.09	-.18	-.11	-.07	-.11	-.03	-.10	.10	.071	.88**	.88**	-					

18. Left Medial Temporal	.32	-.35*	-.67**	.13	.13	-.18	-.21	-.18	-.12	-.16	-.11	-.17	.00	-.00	.83**	.83**	.94**	-				
19. Right Parietal	.51** †	-.18	-.53**	.15	.19	.05	-.04	.05	.06	.00	.08	.06	.11	.21	.74**	.76**	.78**	.71**	-			
20. Left Parietal	.51** †	-.26	-.56**	.14	.22	.09	-.06	.04	.05	.02	.14	.10	.16	.19	.73**	.74**	.76**	.70**	.91**	-		
21. Right Occipital	.27	-.24	-.70**	.19	.17	-.19	-.17	-.11	-.25	-.29	-.25	-.27	-.00	-.07	.77**	.81**	.80**	.83**	.61**	.59**	-	
22. Left Occipital	.25	-.23	-.49**	.22	.08	-.23	-.12	-.10	-.23	-.25	-.27	-.26	-.07	-.07	.71**	.71**	.71**	.70**	.55**	.44**	.88**	-

Note: * = $p < .05$, ** = $p < .01$, *** = $p < .00$, † = significant after adjusting for multiple comparisons

eTable 2. Correlation between GLB and vascular risk factor, WMHs and grey matter atrophy in patients with mild AD

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1. GLB	-																					
<i>Demographics</i>																						
2. Age	.13	-																				
3. Gender	-.19	-.05	-																			
4. Education	-.15	-.11	-.17																			
5. MoCa	-.27*	-.20	-.07	.38**	-																	
<i>WMH volumes (controlling for age, gender, education and moca)</i>																						
6. Periventricular	.09	.34**	.11	-.03	-.03	-																
7. Right Frontal	.04	.14	.13	-.00	-.01	.90**	-															
8. Left Frontal	.05	.24*	.12	-.03	-.04	.94**	.94**	-														
9. Right Temporal	-.07	-.08	.15	.11	.12	.64**	.81**	.69**	-													
10. Left Temporal	-.08	-.05	.18	.14	.14	.69**	.84**	.73**	.98**	-												
11. Right Parietal	.08	.19	.13	.05	.09	.89**	.82**	.79**	.73**	.77**	-											
12. Left Parietal	.07	.31**	.15	.01	.01	.95**	.84**	.88**	.58**	.66**	.91**	-										
13. Right Occipital	-.04	-.07	.07	.04	.07	.62**	.74**	.64**	.96**	.94**	.70**	.54**	-									
14. Left Occipital	.07	.11	.06	-.03	-.01	.86**	.90**	.86**	.79**	.82**	.83**	.80**	.82**	-								
<i>Grey matter volumes (controlling for age, gender, education and moca)</i>																						
15. Right Frontal	-.08	-.48**	-.10	.04	.24*	-.12	-.04	-.00	-.00	-.03	-.08	-.11	-.02	-.00	-							
16. Left Frontal	-.06	-.47**	-.11	.03	.27*	-.10	-.02	.02	-.02	-.04	-.08	-.09	-.03	-.00	.97**	-						
17. Right Medial Temporal	-.17*	-.48**	-.08	-.00	.38**	-.12	-.10	-.08	-.07	-.08	-.03	-.10	-.08	-.05	.79**	.77**	-					
18. Left Medial Temporal	-.17*	-.47**	-.11	.04	.41**	-.15	-.13	-.11	-.08	-.11	-.07	-.13	-.10	-.11	.81**	.82**	.944*	-				
19. Right Parietal	-.08	-.30**	.03	.04	.35**	-.11	-.10	-.08	-.03	-.06	.02	-.08	-.02	-.01	.78**	.74**	.73**	.72**	-			
20. Left Parietal	-.02	-.20	.05	-.02	.25*	-.06	-.04	.00	-.06	-.09	-.03	-.06	-.052	.00	.77**	.77**	.65**	.66**	.89**	-		
21. Right Occipital	-.09	-.43**	-.11	.06	.24*	-.37**	-.31**	-.29*	-.21	-.25*	-.32**	-.37**	-.19	-.27*	.76**	.73**	.73**	.74**	.77**	.76**	-	
22. Left Occipital	-.14	-.41**	-.05	.03	.26*	-.35**	-.25*	-.25*	-.12	-.17	-.29*	-.36**	-.10	-.19	.76**	.75**	.68**	.71**	.73**	.75**	.89**	-

Note: * = p<.05, ** = p<.01, *** = p<.00, † = significant after adjusting for multiple comparison