

Supplementary Data

Mediterranean Diet, Inflammatory and Metabolic Biomarkers, and Risk of Alzheimer's Disease

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Supplementary Table 1

Distribution of Baseline Composite Cognitive Score by Tertiles of hsCRP, fasting insulin and adiponectin levels

	Tertile	N	Mean Cognitive Score (\pm SD)	P*	Adjusted P*, ⁺
hsCRP	Lowest	406	0.32 (\pm 0.56)	0.01	0.06
	Middle	407	0.32 (\pm 0.54)		
	Highest	406	0.22 (\pm 0.55)		
Insulin	Lowest	448	0.36 (\pm 0.53)	0.001	0.09
	Middle	355	0.28 (\pm 0.54)		
	Highest	400	0.22 (\pm 0.59)		
Adiponectin	Lowest	406	0.18 (\pm 0.56)	< 0.001	0.61
	Middle	406	0.31 (\pm 0.54)		
	Highest	406	0.38 (\pm 0.55)		

*P value for trend from regression models with tertiles of the biomarkers treated as an ordinal independent variable.

⁺ Adjusted for age, gender, education, and race.

Supplementary Table 2

Association of Baseline Composite Cognitive Score with Mediterranean Diet Score, Adjusted for hsCRP, insulin and Adiponectin*

Model ⁺	β	$\Delta\beta\%$	p
original model	0.0131	N/A	0.05
Model 1 (original model + hsCRP)	0.0123	6.5%	0.07
Model 2 (original model + insulin)	0.0131	0.1%	0.05
Model 3 (original model + adiponectin)	0.0130	0.7%	0.05
Model 4 (original model + insulin + adiponectin)	0.0129	1.2%	0.05
Model 5 (original model + all biomarkers)	0.0122	7.1%	0.07

*All models limit to 1202 subjects without missing values on hsCRP, fasting insulin or adiponectin.

⁺ Original model: MeDi score entered as a continuous variable, adjusted for age, gender, education and race.

Model 1, 2, and 3: same as the original model, with additional adjustment for hsCRP, fasting insulin, and adiponectin level, respectively. Model 4: same as the original model, with additional adjustment for fasting insulin and adiponectin levels. Model 5: same as the original model, with additional simultaneous adjustment for hsCRP, fasting insulin and adiponectin levels.

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