Metabolic syndrome and cognitive deficits in the Greek cohort of Epirus Health Study, Neurological Sciences, Koutsonida M, Koskeridis F, Markozannes G, Kanellopoulou A, Mousas A, Ntotsikas E, Ioannidis P, Aretouli E and Tsilidis KK; Department of Epidemiology and Biostatistics, School of Public Health, Imperial College London, London, United Kingdom, k.tsilidis@imperial.ac.uk (KKT)

Online Resource 8. Associations between presence of metabolic syndrome (MetS) based on International Diabetes Federation (IDF) criteria and scores of computer-based neuropsychological tests (N=155).

| Cognitive function scores | MetS based on IDF criteria | | | |
| | Model 1 [a] | | Model 2 [b] | |
	Beta	95% CI	Beta	95% CI
Posner cueing				
Total correct	-1.49	-6.22, 3.23	-0.40	-5.25, 4.45
Mean reaction time - valid trials	0.00	-0.06, 0.05	0.01	-0.05, 0.07
Mean reaction time - invalid trials	-0.01	-0.07, 0.05	0.00	-0.06, 0.06
Emotional word recognition				
Total correct	-1.05	-3.87, 1.76	-0.96	-3.85, 1.93
True positive	0.43	-1.10, 1.96	0.66	-0.86, 2.19
True negative	-1.48	-3.33, 0.37	-1.63	-3.53, 0.28
Corsi block-tapping				
Forward	-0.10	-0.94, 0.74	-0.01	-0.88, 0.86
Backward	-0.12	-0.99, 0.75	-0.15	-1.05, 0.75
Stroop				
Total correct	-8.74*	-14.45, -3.03	-8.37*	-14.17, -2.57
Mean reaction time - congruent trials	-0.02	-0.11, 0.06	-0.03	-0.11, 0.06
Mean reaction time - incongruent trials	0.04	-0.07, 0.14	0.04	-0.07, 0.15

Abbreviation: CI, confidence interval.

* significant at p<0.05

[a] Adjusted for age (continuous), sex, education (primary and secondary school, high school, higher education), cardiovascular disease (absence or presence of stroke or ischemic heart disease or heart failure or other heart disease diagnosis), alcohol consumption (never, less than once/month, 1-3 times/month, 1-2 times/week, almost every day), physical activity (continuous) and follow-up period (continuous). [b] Adjusted for age (continuous), sex, education (primary and secondary school, high school, higher education), cardiovascular disease (absence or presence of stroke or ischemic heart disease or heart failure or other heart disease diagnosis), alcohol consumption (never, less than once/month, 1-3 times/month, 1-2 times/week, almost every day) and physical activity (continuous).