**Supplemental Table S4. Association of plasma 25(OH)D with cognitive outcomes evaluated 13 y later (n=1009)– with adjustment for diabetes- and vascular health- related factors**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Primary education only** | | | **Secondary education** | | | **Higher education** | | |
|  | **(n=230)** | | | **(n=262)** | | | **(n=517)** | | |
|  | *β* | *95% CI* | *p* | *β* | *95% CI* | *p* | *β* | *95% CI* | *p* |
| **Verbal memory\*** | -0.06 | -0.18; 0.06 | 0.32 | -0.01 | -0.12; 0.10 | 0.87 | 0.03 | -0.06; 0.12 | 0.51 |
| **Short-term /working memory\*** | 0.13 | 0.01; 0.24 | **0.03** | 0.09 | -0.01; 0.20 | 0.09 | -0.06 | -0.16; 0.03 | 0.17 |
| **Composite score†** | 0.05 | -0.07; 0.16 | 0.41 | 0.05 | -0.06; 0.16 | 0.36 | -0.02 | -0.10; 0.07 | 0.68 |
| **RI-48ǂ** | 0.02 | -0.11; 0.15 | 0.76 | -0.05 | -0.16; 0.05 | 0.33 | 0.05 | -0.04; 0.14 | 0.27 |
| **Semantic fluency** | -0.04 | -0.16; 0.07 | 0.44 | -0.02 | -0.14; 0.09 | 0.73 | -0.02 | -0.11; 0.07 | 0.66 |
| **Phonemic fluency** | -0.05 | -0.17; 0.08 | 0.45 | 0.12 | 0.02; 0.23 | **0.02** | 0.02 | -0.08; 0.11 | 0.74 |
| **Trail-making test**§ | -0.02 | -0.15; 0.11 | 0.81 | 0.00 | -0.10; 0.10 | 0.97 | -0.01 | -0.10; 0.08 | 0.81 |
| **Forward digit span** | 0.10 | -0.02; 0.22 | 0.09 | 0.08 | -0.03; 0.20 | 0.16 | -0.02 | -0.11; 0.07 | 0.66 |
| **Backward digit span** | 0.17 | 0.05; 0.29 | **0.005** | 0.07 | -0.04; 0.17 | 0.21 | -0.08 | -0.18; 0.01 | 0.08 |

The presented values were adjusted for history of diabetes, history of hypertension, and cardiovascular events during follow-up (Model 3, linear regression analysis).

\*Factors derived from principal component analysis. The ‘verbal memory’- factor was strongly correlated with the semantic and phonemic fluency tests and the RI-48; the ‘short-term /working memory’ - factor was strongly correlated with the forward and backward digit span.

**†**Mean of all standardized cognitive test scores.

**ǂ**Rappel indicé–48 items (cued-recall test–48 items).

§Number-letter switching task ofthe Delis–Kaplan Executive Function System version.