**S1 Table.** Relationship of diffusion measures with demographic, clinical, vascular and structural variables

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **FA** | **MD** | **AD** | **RD** | **FAt** | **MDt** | **ADt** | **RDt** | **Free water** |
| Age b | 0.107 a | 0.014 | 0.117 | -0.001 | 0.034 | 0.061 | 0.014 | 0.001 | -0.067 |
|  | *0.504* | *0.466* | *0.209* | *0.849* | *0.668* | *0.512* | *0.551* | *0.838* | *0.501* |
| MMSE b | 0.175 | 0.196 | 0.166 | 0.006 | 0.191 | 0.201 | 0.178 | -0.053 | -0.183 |
|  | *0.832* | *0.200* | *0.100* | *0.158* | *0.393* | *0.102* | *0.108* | *0.838* | *0.101* |
| CES-D b | 0.136 | 0.031 | 0.127 | -0.076 | 0.142 | 0.077 | 0.201 | -0.058 | -0.164 |
|  | *0.099* | *0.458* | *0.154* | *0.402* | *0.145* | *0.379* | *0.180* | *0.226* | *0.112* |
| BMI b | -0.172 | -0.027 | -0.103 | 0.153 | -0.208 | -0.034 | -0.212 | -0.085 | -0.213 |
|  | *0.379* | *0.827* | *0.649* | *0.486* | *0.099* | *0.828* | *0.346* | *0.250* | *0.096* |
| Gender c | 521 | 460 | 467 | 471 | 448 | 521 | 469 | 462 | 442 |
|  | *0.807* | *0.213* | *0.301* | *0.472* | *0.348* | *0.733* | *0.297* | *0.527* | *0.172* |
| Education level c | 484 | 469 | 516 | 490 | 492 | 442 | 530 | 479 | 520 |
|  | *0.354* | *0.789* | *0.816* | *0.582* | *0.823* | *0.401* | *0.712* | *0.504* | *0.509* |
| Diabetes c | 49 | 63 | 101 | 42 | 52 | 67 | 95 | 39 | 67 |
|  | *0.125* | *0.442* | *0.478* | *0.113* | *0.232* | *0.369* | *0.724* | *0.157* | *0.635* |
| Hypertension c | 255 | 46 | 260 | 257 | 262 | 47 | 259 | 258 | 49 |
|  | *0.698* | *0.176* | *0.346* | *0.352* | *0.691* | *0.224* | *0.356* | *0.562* | *0.232* |
| BMI, Body Mass Index; CES-D, Center for Epidemiologic Studies-Depression scale; IST, Isaac Set Test; WMH, White Matter Hyperintensity a Values are 𝜌 or U and *p-value* |
| b Spearman correlation, 𝜌 (rho) |  |  |  |  |  |  |  |
| c Mann–Whitney U-tests, U  |  |  |  |  |  |  |  |