|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Cognitively Intact (N=49) | | | | | | |
|  |  | CV Risk | Total LA | PV LA | Deep LA | IC LA |
| Executive Function | Pearson r | -0.028 | 0.157 | 0.11 | 0.115 | 0.12 |
| p-value | 0.846 | 0.282 | 0.45 | 0.431 | 0.41 |
| Processing Speed | Pearson r | -0.021 | 0.053 | 0.069 | 0.061 | -0.066 |
| p-value | 0.886 | 0.717 | 0.639 | 0.678 | 0.651 |
| Verbal Memory | Pearson r | -0.057 | 0.058 | 0.103 | -0.053 | 0.121 |
| p-value | 0.697 | 0.691 | 0.483 | 0.718 | 0.406 |
| Language | Pearson r | -0.238 | -0.048 | -0.105 | 0.024 | 0.136 |
| p-value | 0.099 | 0.743 | 0.474 | 0.871 | 0.351 |
| Working Memory | Pearson r | -0.1 | -0.135 | -0.048 | -0.086 | -0.086 |
| p-value | 0.495 | 0.355 | 0.742 | 0.559 | 0.555 |
|  |  |  |  |  |  |  |
| Mild Cognitive Impairment (N=18) | | | | | | |
|  |  | CV Risk | Total LA | PV LA | Deep LA | IC LA |
| Executive Function | Pearson r | -0.301 | 0.222 | 0.224 | 0.171 | 0.101 |
| p-value | 0.224 | 0.375 | 0.371 | 0.497 | 0.691 |
| Processing Speed | Pearson r | -0.052 | -0.04 | 0.031 | 0.013 | -0.121 |
| p-value | 0.837 | 0.874 | 0.903 | 0.958 | 0.632 |
| Verbal Memory | Pearson r | -0.122 | -0.03 | -0.002 | -0.27 | -0.136 |
| p-value | 0.631 | 0.907 | 0.995 | 0.279 | 0.591 |
| Language | Pearson r | -0.454 | -0.082 | -0.113 | -0.13 | -0.12 |
| p-value | 0.058 | 0.746 | 0.656 | 0.608 | 0.636 |
| Working Memory | Pearson r | -0.119 | 0.145 | 0.163 | 0.053 | 0.057 |
| p-value | 0.637 | 0.567 | 0.517 | 0.833 | 0.822 |

Supplemental Table 3. Depicts the correlations between cognitive composite scores, CV risk and LA. LA= leukoaraiosis; CV= cardiovascular.