|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| T cells Type | T cells subtype | | T cells subset | AD vs Healthy | PD vs Healthy | AD vs PD |
| T lymphocytes | | Total CD4+  Total CD8+ |  |  |  |  |
| Activated T lymphocytes | | **Helper** | Early Activated (CD4+CD69+)  Late Activated (CD4+CD38+) |  |  |  |
| **Cytotoxic** | Early Activated (CD8+CD69+)  Late Activated (CD8+CD38+) |  |  |  |
| Apoptotic T lymphocytes | | **Helper** | Apoptotic (CD4+CD95+) |  |  |  |
| **Cytotoxic** | Apoptotic (CD8+CD95+) |  |  |  |
| Memory T lymphocytes | | **Helper** | Naïve (CD4+CD45RA+CD45RO-CCR7+)  Effector (CD4+CD45RA+CD45RO-CCR7-)  Memory (CD4+CD45RA-CD45RO+CCR7-)  Memory Central (CD4+CD45RA CD45RO+CCR7+) |  |  |  |
| **Cytotoxic** | Naïve (CD8+CD45RA+CD45RO-CCR7+)  Effector (CD8+CD45RA+CD45RO-CCR7-)  Memory (CD8+CD45RA-CD45RO+CCR7-)  Memory Central (CD8+CD45RA CD45RO+CCR7+) |  |  |  |
| Regulatory T cells | |  | Treg (CD4+FOXP3+)  Memory Treg (CD4+FOXP3+CD45RO+)  Activated Treg (CD4+FOXP3+CD25+)  Memory Activated Treg (CD4+FOXP3+CD45RO+CD25+) |  |  |  |

**Table 2.** Altered levels of the most representative peripheral T lymphocyte populations in patients with Alzheimer (AD) and Parkinson (PD) disease compared to healthy people and main differences between patients with Alzheimer and Parkinson disease.