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| **eTable 4** Partial correlations between loge sNfL concentrations and immune cell subpopulations in RRMS patients on different treatments at baseline | | | | | | |
|  | Interferon (n=29) | Glatiramer acetate (n=26) | Teriflunomide (n=14) | Dimethyl fumarate (n=31) | Fingolimod (n=26) | Natalizumab (n=21) |
|  | **rp/p** | **rp/p** | **rp/p** | **rp/p** | **rp/p** | **rp/p** |
| Total CD3+ | 0.136/ 0.500 | (-)0.150/0.483 | 0.192/0.550 | 0.103/0.595 | 0.229/0.283 | (-)0.375/0.114 |
| CD3+CD4+ | 0.220/0.270 | 0.047/0.827 | 0.204/0.524 | 0.187/0.333 | 0.362/0.082 | (-)0.072/0.771 |
| CD3+CD4+CD25+CD127- (CD4+T-reg) | 0.002/0.994 | (-)0.133/0.534 | **0.611/0.035** | 0.067/0.732 | (-)0.225/0.291 | 0.221/0.362 |
| CD3+CD8+ | (-)0.160/0.426 | (-)0.280/0.184 | 0.101/0.754 | (-)0.138/0.474 | 0.010/0.963 | (-)0.363/0.127 |
| CD3+CD8+CD28-CD127- (CD8+T-reg) | **(-)0.418/0.030** | (-)0.148/0.490 | (-)0.444/0.148 | 0.214/0.264 | (-)0.186/0.384 | (-)0.109/0.658 |
| CD3+CD4+CCR6-CD161-CXCR3+ (Th1) | (-)0.060/0.766 | 0.057/0.793 | 0.460/0.132 | (-)0.076/0.696 | **0.419/0.041** | (-)0.114/0.641 |
| CD3+CD4+CCR6+CD161+CXCR3-CCR4+ (Th17) | 0.062/0.760 | 0.211/0.321 | 0.113/0.727 | (-)0.193/0.315 | 0.163/0.446 | 0.102/0.678 |
| CD3+CD4+CCR6+CD161+CxCR3highCCR4low (Th1/Th17) | 0.102/0.613 | 0.024/0.910 | 0.230/0.472 | (-)0.133/0.492 | (-)0.076/0.724 | (-)0.267/0.269 |
| Total CD19+ | (-)0.081/0.689 | (-)0.027/0.900 | (-)0.175/0.586 | 0.074/0.703 | 0.034/0.874 | 0.051/0.835 |
| CD19+CD24highCD38low (B-memory) | (-)0.271/0.172 | (-)0.012/0.955 | (-)0.485/0.110 | (-)0.023/0.905 | 0.211/0.322 | (-)0.180/0.460 |
| CD19+CD24lowCD38low (B-mature) | 0.089/0.661 | (-)0.136/0.526 | 0.419/0.175 | 0.015/0.940 | (-)0.002/0.991 | 0.418/0.075 |
| CD19+CD24highCD38high (B-reg) | 0.068/0.738 | (-)0.061/0.775 | 0.520/0.083 | (-)0.165/0.393 | 0.022/0.919 | 0.190/0.436 |
| CD19+CD24-CD38high (plasma B-cells) | 0.189/0.344 | 0.166/0.439 | (-)0.067/0.837 | (-)0.097/0.616 | (-)0.209/0.326 | (-)0.027/0.913 |
| CD16+CD56low (CD56 dim NK cells) | **(-)0.431/0.025** | 0.006/0.978 | (-)0.311/0.325 | (-)0.167/0.386 | 0.149/0.487 | 0.284/0.239 |
| CD16+CD56high (CD56 bright NK cells) | 0.040/0.844 | 0.115/0.593 | (-)0.027/0.934 | (-)0.023/0.905 | (-)0.021/0.924 | (-)0.241/0.321 |
| Abbreviations: RRMS = relapsing remitting MS; sNfL= serum neurofilament light chain; rp = partial correlation coefficient; The rp’es are corrected for age and gender. Significant p-values are shown in bold together with the corresponding rp. None of the p-values survived multiple testing. | | | | | | |