Supplementary material

**Supplementary Table 1** Linear regression with interaction between sex and fatigue severity on neurocognitive outcome

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **N** | **Standardized beta** | **Unstandardized beta** | **SE** | ***P*** |
| **List A trial 1, CVLT-II** | 51 |  |  |  | 0.47 |
| Sex |  | -.11 | -.22 | .88 | 0.80 |
| FSS |  | -.24 | -.16 | .14 | 0.24 |
| Sex\*FSS |  | .03 | .02 | .20 | 0.94 |
| **Commissions, CPT-3** | 51 |  |  |  | 0.22 |
| Sex |  | -.21 | -4.63 | 9.55 | 0.63 |
| FSS |  | -.36 | -2.73 | 1.48 | 0.07 |
| Sex\*FSS |  | .25 | 1.22 | 2.16 | 0.57 |
| **Switching vs combined, TMT** | 51 |  |  |  | 0.07 |
| Sex |  | -.21 | -.97 | 1.94 | 0.62 |
| FSS |  | .25 | .39 | .30 | 0.20 |
| Sex\*FSS |  | -.04 | -.04 | .45 | 0.93 |
| **Color naming, CWIT** | 51 |  |  |  | 0.51 |
| Sex |  | -.52 | -2.79 | 2.41 | 0.25 |
| FSS |  | -.28 | -.52 | .37 | 0.17 |
| Sex\*FSS centered |  | .59 | .71 | .54 | 0.20 |
| **GEC, BRIEF** | 53 |  |  |  | 0.002\*\* |
| Sex |  | .28 | 5.64 | 8.03 | 0.49 |
| FSS |  | .58 | 4.16 | 1.22 | 0.001\*\* |
| Sex\*FSS |  | -.25 | -1.13 | 1.80 | 0.53 |
| **MI, BRIEF** | 53 |  |  |  | 0.01\* |
| Sex |  | .30 | 6.27 | 8.78 | 0.48 |
| FSS |  | .52 | 3.89 | 1.34 | 0.005\* |
| Sex\* FSS |  | -.31 | -1.48 | 1.97 | 0.46 |

For Sex: male was coded as 1, female as 0. Fatigue Severity scale (FSS) is not centered.

**Supplementary Table 2:** comparison of participants and eligible non-participants.

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| **Variables** | **Participants (*N*=53)** | **Eligible Non-Participants****(*N*=84)** | **Group difference****(*p*)**a |
|  | *M (SD)* | *M (SD)* |  |
| Age at diagnosisb | 12.00 | 5.00 | 0.006 |
| Age at investigationc | 23.00 | 21.00 | 0.001 |
| Years from diagnosis | 13.98 | 14.39 | 0.53 |
| *Sex* | *N* (%) | *N* (%) | 0.52 |
| Female | 27 (51) | 38 (45) |  |
| Male | 26 (49) | 46 (55) |  |

aIndependent sample t-test or Mann-Whitney U test for continuous data, Chi square test of homogeneity for categorical data. *M* = mean, *SD* = standard deviation. b,cMedian is reported for age at diagnosis and investigation. Age at diagnosis and time from diagnosis are not reported for eligible non-participants treated at St Olavs Hospital.