**Supplementary Table 2: Mixed effects linear regression analyses1 showing treatment response in gender separate analyses depending on pre-treatment white blood cell (WBC) count.**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Baseline | | | Estimated change per week | | | Difference compared to WBC 4.5-10 | |
|  | **WBC<4.5** | **WBC 4.5-10** | **WBC≥10** | **WBC<4.5** | **WBC 4.5-10** | **WBC≥10** | **WBC<4.5** | **WBC≥10** |
|  | Mean ±SD | Mean ±SD | Mean ±SD | β (95%-CI) | β (95%-CI) | β (95%-CI) | p-value | p-value |
| Women (from Bipolar CHOICE) | | | | | | | | |
| CGI-BP overall | 4.2±0.7 | 4.5 ±0.9 | 4.6 ±0.8 | -0.051 (-0.088; -0.013) | -0.050 (-0.060; -0.039) | -0.490 (-0.073; -0.024) | 0.80 | 0.41 |
| CGI-BP depression | 4.0±1.2 | 4.0±1.3 | 4.4±1.1 | -0.063 (-0.104; -0.023) | -0.046 (-0.057; -0.035) | -0.045 (-0.071; -0.020) | 0.57 | 0.23 |
| CGI-BP mania | 2.9±1.3 | 2.9±1.3 | 3.4±1.2 | -0.034 (-0.071; 0.002) | -0.029 (-0.039; -0.020) | -0.040 (-0.062; -0.017) | 0.43 | 0.18 |
| Men (from Bipolar CHOICE) | | | | | | | | |
| CGI-BP overall | 4.3±0.6 | 4.5±0.8 | 4.4±0.7 | -0.045 (-0.073; -0.017) | -0.049 (-0.057; -0.041) | -0.050 (-0.075; -0.023) | 0.36 | 0.56 |
| CGI-BP depression | 4.3±1.0 | 4.2±1.0 | 4.3±0.9 | -0.047 (-0.076; -0.018) | -0.049 (-0.057; -0.040) | -0.045 (-0.073; -0.017) | 0.66 | 0.48 |
| CGI-BP mania | 3.1±1.1 | 3.0±1.3 | 3.0±1.2 | -0.039 (-0.063; -0.016) | -0.028 (-0.035; -0.020) | -0.041 (-0.066; -0.017) | 0.70 | 0.92 |
| Women (from LiTMUS) | | | | | | | | |
| CGI-BP overall | 4.3±0.5 | 4.1±0.9 | 5±0.8 | -0.050 (-0.085; -0.014) | -0.047 (-0.059; -0.035) | -0.022 (-0.064; 0.021) | 0.62 | 0.025 |
| CGI-BP depression | 3.9±0.9 | 3.5±1.3 | 4.6±1.1 | -0.033 (-0.069; 0.002) | -0.034 (-0.047; -0.021) | -0.032 (-0.083; 0.018) | 0.60 | 0.40 |
| CGI-BP mania | 3.0±1.6 | 2.8±1.3 | 3.1±1.4 | -0.033 (-0.068; 0.002) | -0.030 (-0.041; -0.020) | 0.004 (-0.035; 0.042) | 0.42 | 0.009 |
| Men (from LiTMUS) | | | | | | | | |
| CGI-BP overall | 4.2±0.9 | 4.3±0.9 | 4.2±0.8 | -0.044 (-0.068; -0.019) | -0.037 (-0.047; -0.026) | -0.058 (-0.081; -0.034) | 0.50 | 0.76 |
| CGI-BP depression | 3.8±1.2 | 3.9±1.3 | 3.8±1.1 | -0.035 (-0.064; -0.007) | -0.025 (-0.036; -0.013) | -0.046 (-0.072; -0.021) | 0.81 | 0.85 |
| CGI-BP mania | 2.9±1.0 | 2.8±1.3 | 2.9±1.4 | -0.034 (-0.043; -0.024) | -0.035 (-0.054; -0.016) | -0.063 (-0.085; -0.041) | 0.72 | 0.83 |

Abbreviations: β: Regression coefficient; 95%-CI: 95% Confidence Interval; SD: Standard deviation; CGI-BP = Clinical Global Impression Scale for Bipolar Disorder.

The analyses for each gender in each separate study were adjusted for multiple testing, i.e. p=0.05/6=0.0083.

1 All analyses were adjusted for: age, gender, body mass index (BMI), current smoking, and baseline CGI severity.