**Supplemental Table C.** Effects on on serum glucose concentration (in mmol/L) of the antipsychotics olanzapine, quetiapine or risperidone alone, and effect of add-on treatment with selective serotonin reuptake inhibitors (SSRIs), in 1301 patients with bipolar disorder or schizophrenia. Linear regression analyses were performed with the antipsychotic, the SSRI, and their interaction as covariates. Regression coefficient B for the antipsychotic alone and for the additional effect of the SSRI for a person who uses the antipsychotic, 95% confidence intervals (CI) and p-values are shown. Statistically significant values are displayed in bold.

|  |  |  |
| --- | --- | --- |
|  | **Defined daily dosage of druga** | **Serum concentration of drugb** |
|  | **Unadjusted values** | **Adjusted valuesc** | **Unadjusted values** | **Adjusted valuesc** |
|  | **B** | **CI** | **p-value** | **B** | **CI** | **p-value** | **B** | **CI** | **p-value** | **B** | **CI** | **p-value** |
| Olanzapine  | -0.02 | -0.12 to 0.08 | 0.655 | -0.02 | -0.12 to 0.08 | 0.685 | 0.04 | -0.17 to 0.25 | 0.681 | 0.02 | -0.20 to 0.23 | 0.884 |
| SSRI add-ond | **0.26** | **0.12 to 0.41** | **<0.001** | **0.25** | **0.09 to 0.41** | **0.002** | 0.34 | -0.43 to 1.11 | 0.392 | 0.45 | -0.60 to 1.51  | 0.401 |
| Quetiapine | 0.07 | -0.05 to 0.20 | 0.260 | 0.07 | -0.05 to 0.20 | 0.251 | 0.20 | -0.03 to 0.43 | 0.094 | 0.17 | -0.06 to 0.40 | 0.151 |
| SSRI add-ond | -0.07 | -0.21 to 0.07 | 0.324 | -0.13 | -0.28 to 0.01 | 0.067 | -0.23 | -0.53 to 0.08 | 0.146 | -0.24 | -0.56 to 0.08 | 0.143 |
| Risperidone | -0.19 | -0.52 to 0.13 | 0.237 | 0.21 | -0.07 to 0.48 | 0.147 | 0.07 | -0.25 to 0.39 | 0.652 | -0.09 | -0.24 to 0.41 | 0.598 |
| SSRI add-ond  | -0.23 | -0.53 to 0.08 | 0.145 | **-0.32** | **-0.62 to -0.02** | **0.038** | -0.28 | -1.06 to 0.51 | 0.487 | -0.48 | -1.26 to 0.30 | 0.224 |

a The calculated effect is that represented by a daily dose of 10 mg olanzapine, 400 mg quetiapine, 5 mg risperidone or 2.7 mg for risperidone intramuscular depot injection, 10 mg escitalopram, 20 mg citalopram, 20 mg fluoxetine, 20 mg paroxetine or 50 mg sertraline.

b The calculated effect is that represented by a serum drug concentration in the middle of the reference interval for each drug. For details, see Material and Method section

c Adjusted for all potential confounders. For details, see Material and Method section

d Effect of adding an SSRI to the antipsychotic drug specified in the line above. The effect shown is the combined effect of the SSRI itself and the interaction between the SSRI and the specific antipsychotic drug