**Supplementary Table**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **STable 1. Comparison of demographic characteristics, clinical symptoms, physical performance, and cognitive function between high- and low-functioning groups according to GAF score** | | | | |
| Attribute | GAF  (n=30) | GAF<  (n=30) | *t* | *p* |
| Age (years) | 39.6 (11.3) | 38.2 (8.9) | 0.547 | .586 |
| Years of education | 13.9 (3.2) | 14.2 (2.7) | -0.347 | .730 |
| Age at onset (years) | 24.1 (8.3) | 24.2 (7.6) | -0.016 | .987 |
| Duration of illness (years) | 15.8 (10.6) | 13.6 (9.8) | 0.850 | .399 |
| No. of hospital admissions | 5.9 (14.6) | 3.2 (3.1) | 0.981 | .331 |
| PDD:DDD ratio | 2.0 (0.9) | 2.3 (1.1) | -1.305 | .197 |
| Total cholesterol (mg/dl) | 196.3 (44.1) | 173.9 (51.9) | 1.708 | .094 |
| BMI (kg/m2) | 28.6 (5.6) | 26.1 (4.3) | 1.869 | .067 |
| BPRS, total | 38.2 (16.0) | 47.0 (14.8) | -2.074 | .043 |
| BDI | 17.1 (12.3) | 18.2 (9.5) | -0.387 | .701 |
| SAI | 43.2 (9.2) | 48.4 (9.0) | -2.123 | .038 |
| TAI | 46.5 (11.0) | 51.2 (9.0) | -1.705 | .094 |
| Stroop CW RL | 2080.2 (1235.0) | 1991.3 (1069.7) | 0.281 | .780 |
| Stroop CW CR (%) | 81.0 (27.4) | 75.8 (27.4) | 0.703 | .485 |
| Sternberg WM RL | 2481.5 (1901.9) | 2674.1 (1727.0) | -0.387 | .700 |
| Sternberg WM CR (%) | 63.4 (22.3) | 62.2 (19.4) | 0.207 | .837 |
| Step test (index) | 103.3 (16.2) | 107.0 (13.7) | -0.876 | .385 |
| STS test (s) | 3.1 (0.8) | 3.1 (0.8) | -0.242 | .810 |
| Values are mean (standard deviation). t, t-test.  GAF, Global Assessment of Functioning; DDD, defined daily dose; PDD, prescribed daily dose; BMI, Body mass index; BPRS, Brief Psychiatric Rating Scale; BDI, Beck Depression Inventory; SAI, State Anxiety Inventory; TAI, Trait Anxiety Inventory; CW, Color-word condition; RL, response latency; CR, correct rate; WM, working memory task; STS, supine-to-standing | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **STable 2. Association between neurocognitive function and demographic characteristics, clinical symptoms, and physical performance in high-functioning (GAF) patients with schizophrenia (N=30)** | | | | | |
|  | Stroop CW RL | Stroop CW CR | Sternberg WM RL | Sternberg WM CR |
| Age | .458\* | -.441\* | .483\*\* | -.325 |
| Sex | -.211 | -.431\* | -.225 | .099 |
| Age at onset | .255 | .089 | -.050 | -.129 |
| Duration of illness | .265 | -.493\*\* | .519\*\* | -.327 |
| No. of hospital admissions | -.140 | -.435\* | .081 | -.080 |
| Years of education | -.018 | .192 | -.153 | -.059 |
| PDD:DDD ratio | .173 | .028 | -.077 | -.106 |
| Total cholesterol | -.163 | -.083 | -.011 | -.100 |
| BMI | -.105 | -.328 | .031 | -.088 |
| BPRS, total | .072 | .105 | .077 | -.022 |
| BDI | .394\* | -.025 | .390\* | -.466\* |
| SAI | .164 | -.027 | .197 | -.057 |
| TAI | .225 | -.072 | .248 | -.233 |
| Step test (index) | .444\* | -.025 | .462\* | -.067 |
| STS test (s) | .089 | -.353 | .252 | -.406\* |
| GAF, Global Assessment of Functioning; CW, color-word condition; RL, response latency; CR, correct rate; WM, working memory task; DDD, defined daily dose; PDD, prescribed daily dose; BMI, body mass index; BPRS, Brief Psychiatric Rating Scale; BDI, Beck Depression Inventory; SAI, State Anxiety Inventory; TAI, Trait Anxiety Inventory; STS, supine-to-standing.  Pearson’s correlation coefficients:  \*\* Correlation is significant at the 0.01 level (two-tailed).  \* Correlation is significant at the 0.05 level (two-tailed). | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **STable 3. Association between neurocognitive function and demographic characteristics, clinical symptoms, and physical performance in low-functioning (GAF) patients with schizophrenia (N=30)** | | | | | |
|  | Stroop CW RL | Stroop CW CR | Sternberg WM RL | Sternberg WM CR |
| Age | .260 | -.302 | .197 | -.261 |
| Sex | -.224 | .230 | -.108 | -.143 |
| Age at onset | .305 | -.113 | .113 | -.133 |
| Duration of illness | .012 | -.462\* | .026 | -.032 |
| No. of hospital admissions | .189 | -.136 | -.046 | -.103 |
| Years of education | -.044 | .002 | .122 | -.225 |
| PDD:DDD ratio | .168 | .133 | .397\* | .065 |
| Total cholesterol | -.332 | .185 | .075 | -.014 |
| BMI | .050 | -.234 | .026 | .035 |
| BPRS, total | -.117 | .418\* | .152 | .141 |
| BDI | -.009 | -.147 | .236 | .209 |
| SAI | -.020 | -.214 | -.020 | .281 |
| TAI | -.096 | -.140 | -.066 | .320 |
| Step test (index) | .263 | -.086 | .104 | -.143 |
| STS test (s) | .240 | -.688\*\* | .163 | -.355 |
| GAF, Global Assessment of Functioning; CW, color-word condition; RL, response latency; CR, correct rate; WM, working memory task; DDD, defined daily dose; PDD, prescribed daily dose; BMI, body mass index; BPRS, Brief Psychiatric Rating Scale; BDI, Beck Depression Inventory; SAI, State Anxiety Inventory; TAI, Trait Anxiety Inventory; STS, supine-to-standing.  Pearson’s correlation coefficients:  \*\* Correlation is significant at the 0.01 level (two-tailed).  \* Correlation is significant at the 0.05 level (two-tailed). | | | | |