**Table S1:** *Quality Scoring Grid.*

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  PAPER | TTM diagnosed using recognised tool | Report of comorbidities using validated instrument (or excluded based on valid instrument) | Report and exclusion of substance misuse using appropriate instrument | Report and / or exclusion of ICDs using appropriate instrument  | Education and / or IQ | Study reports most appropriate outcome measure(s) | Numerical report (mean, SD, n) within paper | Controls defined and screened for psychiatric disease | Were the cognitive tests clearly defined, valid, reliable, and implemented consistently across all study participants? | Total |
| Bohne et al., 2005 | 1 | 0.5 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 7.5 |
| Bohne et al., 2008 | 1 | 0.5 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 7.5 |
| Brennan et al., 2016 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 7 |
| Chamberlain et al., 2007 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 9 |
| Chamberlain et al., 2006 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0.5 | 1 | 6.5 |
| Coetzer et al., 1999 | 0.5 | 0.5 | 1 | 0 | 1 | 1 | 1 | 0.5 | 1 | 6 |
| Demirci et al., 2021 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0.5 | 7.5 |
| Grant et al., 2011 | 0.5 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0.5 | 6 |
| Flessner et al., 2016 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 6 |
| Keuthen et al., 1996 | 0.5 | 0.5 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 6 |
| Martin et al., 1993 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 0.5 | 1 | 5.5 |
| Odlaug et al., 2014 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 7 |
| Odlaug et al., 2012 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0.5 | 7.5 |
| Odlaug et al., 2013 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.5 | 8.5 |
| Peris et al., 2021 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 7 |
| Rettew et al., 1991 | 1 | 0.5 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 7.5 |
| Stanley et al., 1997 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 8 |
| Wilton et al., 2020 | 1 | 1 | 0 | 0 | 0 | 0.5 | 1 | 1 | 1 | 5.5 |

**Figure S1a: ID shifting**



**Figure S1b: ED shifting**



**Figure S2: Stop Signal**



**Figure S3: Stroop**



**Figure S4: California Verbal Learning**



**Figure S5: Wisconsin Card sorting**



**Figure S6: Money’s Road Map**



**Figure S7: Pattern recognition memory**



**Figure S8: Rey-Osterrieth Complex Figures test**



**Figure S9: Rey-Osterrieth Copy test**



**Figure S10: Spatial span**



**Figure S11: Tower of London**

