References.


Grant DA & Berg EA. (1948). A behavioral analysis of degree of reinforcement and ease of shifting to new responses in a Weigl type card sorting problem.


129


Reich WP & Cutting J. (1982). Picture perception and abstract thought in schizophrenia. Psychological Medicine, 12, 91-96.


Saccuzzo DP. (1986). An information processing interpretation of theory and research in schizophrenia. In: RE Ingram (ed). Information processing approaches


APPENDIX 1.

Pilot study:
Percentile-scores of Cognitive Variables at first testing, adjusted to a normal population (n=8).
Results printed boldface are above normal medium.

<table>
<thead>
<tr>
<th>Variable</th>
<th>Percentile-Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>STROOP</td>
<td>24.3</td>
</tr>
<tr>
<td>TRAIL-B</td>
<td>29.3</td>
</tr>
<tr>
<td>MAZE-T</td>
<td>31.4</td>
</tr>
<tr>
<td>MAZE-F</td>
<td>24.3</td>
</tr>
<tr>
<td>WAIS-PA</td>
<td>51.7</td>
</tr>
<tr>
<td>GIT-VC</td>
<td>50.0</td>
</tr>
<tr>
<td>RALT-C</td>
<td>34.3</td>
</tr>
<tr>
<td>RALT-R</td>
<td>38.6</td>
</tr>
<tr>
<td>RCF-C</td>
<td>67.9</td>
</tr>
<tr>
<td>RCF-R</td>
<td>28.6</td>
</tr>
<tr>
<td>WAIS-DS</td>
<td>26.6</td>
</tr>
<tr>
<td>GIT-WF1</td>
<td>28.8</td>
</tr>
<tr>
<td>GIT-WF2</td>
<td>31.3</td>
</tr>
</tbody>
</table>
APPENDIX 2.

Pilot study:
Correlation Coefficients of the Cognitive Variables used in the Pilot-Study (n=8).

<table>
<thead>
<tr>
<th></th>
<th>STROOP</th>
<th>TRAIL-B</th>
<th>MAZES-T</th>
<th>MAZES-F</th>
<th>GIT-WF1</th>
<th>GIT-WF2</th>
<th>RALT-C</th>
<th>RALT-R</th>
<th>RCF-R</th>
<th>WAIS-DS</th>
</tr>
</thead>
<tbody>
<tr>
<td>STROOP</td>
<td>1.00</td>
<td>.79*</td>
<td>.10</td>
<td>-.33</td>
<td>.03</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TRAIL-B</td>
<td>1.00</td>
<td>.51</td>
<td>.15</td>
<td>.17</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAZES-T</td>
<td></td>
<td>1.00</td>
<td>.73</td>
<td>.11</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAZES-F</td>
<td></td>
<td></td>
<td>1.00</td>
<td>.46</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GIT-WF1</td>
<td></td>
<td></td>
<td></td>
<td>1.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GIT-WF2</td>
<td>-.37</td>
<td>-.41</td>
<td>-.18</td>
<td>.51</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RALT-C</td>
<td>.18</td>
<td>.12</td>
<td>.03</td>
<td>.83*</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RALT-R</td>
<td>.52</td>
<td>.25</td>
<td>-.29</td>
<td>.57</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RCF-R</td>
<td>.56</td>
<td>.58</td>
<td>-.26</td>
<td>.33</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WAIS-DS</td>
<td>.42</td>
<td>-.15</td>
<td>-.39</td>
<td>.24</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>.36</td>
<td>.39</td>
<td>-.04</td>
<td>.80*</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1.00</td>
<td>.85*</td>
<td>.56</td>
<td>.17</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1.00</td>
<td>1.00</td>
<td>.59</td>
<td>.15</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Significance: * = p < .01  ** = p < .001
## APPENDIX 3.

Mean Scores (and standard deviations) of Cognitive Variables used in the Pilot-Study (n=7 / T1-T2 n=9).

<table>
<thead>
<tr>
<th>Variable</th>
<th>T0</th>
<th>T1</th>
<th>T2</th>
<th>T3</th>
<th>F.U.</th>
</tr>
</thead>
<tbody>
<tr>
<td>STROOP n=7</td>
<td>24.3</td>
<td>**</td>
<td>54.3</td>
<td>50.0</td>
<td>42.9</td>
</tr>
<tr>
<td>n=9</td>
<td>(29.4)</td>
<td>(43.9)</td>
<td>(29.4)</td>
<td>(38.6)</td>
<td>(36.8)</td>
</tr>
<tr>
<td>MAZES-T n=7</td>
<td>31.4</td>
<td>(26.7)</td>
<td>28.6</td>
<td>(26.7)</td>
<td>42.9</td>
</tr>
<tr>
<td>n=9</td>
<td>24.4</td>
<td>**</td>
<td>(24.6)</td>
<td>42.2</td>
<td>(34.6)</td>
</tr>
<tr>
<td>MAZES-F n=7</td>
<td>24.3</td>
<td>(23.0)</td>
<td>21.4</td>
<td>(15.7)</td>
<td>*</td>
</tr>
<tr>
<td>n=9</td>
<td>18.9</td>
<td>*</td>
<td>(14.5)</td>
<td>38.9</td>
<td>(35.0)</td>
</tr>
<tr>
<td>GIT-WF1 n=7</td>
<td>30.0</td>
<td>(20.8)</td>
<td>31.4</td>
<td>(12.2)</td>
<td>37.1</td>
</tr>
<tr>
<td>n=9</td>
<td>28.9</td>
<td>*</td>
<td>(11.7)</td>
<td>35.6</td>
<td>(11.3)</td>
</tr>
<tr>
<td>RALT-C n=7</td>
<td>34.3</td>
<td>(28.8)</td>
<td>**</td>
<td>68.6</td>
<td>(38.5)</td>
</tr>
<tr>
<td>n=9</td>
<td>55.6</td>
<td>(42.2)</td>
<td>**</td>
<td>75.6</td>
<td>(26.0)</td>
</tr>
<tr>
<td>RCF-R n=7</td>
<td>28.6</td>
<td>(9.5)</td>
<td>35.7</td>
<td>(13.4)</td>
<td>**</td>
</tr>
<tr>
<td>n=9</td>
<td>33.3</td>
<td>**</td>
<td>(12.5)</td>
<td>61.1</td>
<td>(25.3)</td>
</tr>
<tr>
<td>WAIS-DS n=7</td>
<td>26.6</td>
<td>(14.2)</td>
<td>28.6</td>
<td>(18.0)</td>
<td>39.1</td>
</tr>
<tr>
<td>n=9</td>
<td>29.3</td>
<td>(18.1)</td>
<td>39.1</td>
<td>(29.2)</td>
<td></td>
</tr>
<tr>
<td>TOTCOG n=7</td>
<td>28.5</td>
<td>(11.3)</td>
<td>38.4</td>
<td>(12.1)</td>
<td>**</td>
</tr>
<tr>
<td>n=9</td>
<td>33.6</td>
<td>**</td>
<td>(14.3)</td>
<td>48.0</td>
<td>(18.2)</td>
</tr>
</tbody>
</table>

* = Two-Tailed-Probability < .10 (Wilcoxon Signed Ranks Test)
** = Two-Tailed-Probability < .05 (Wilcoxon Signed Ranks Test)
C.S.T. = Cognitive Skills Training
S.S.T. = Social Skills Training
F.U. = Follow Up

---

135