



Target Area: Executive Functioning Deficits

<p>Honda (1999). <i>Rehabilitation of Executive Function Impairments After Stroke</i>. Topics in Stroke Rehabilitation 6(1): 15-22</p>	<p>RoBiNT score – <i>to be confirmed</i></p>
<p>Method/Results</p> <p>Design</p> <p>Y Study type: SSD. Multiple baseline across participants.</p> <p>Y Participants: n=3, age 65–73 years, 67% male, all ACoA aneurysms, impairments on executive functioning measures.</p> <p>Y Setting: Not stated.</p> <p>Primary outcome measure/s:</p> <p>Y Wisconsin card sorting test.</p> <p>Y TinkerToytest.</p> <p>Secondary outcome measure/s:</p> <p>Y Good Samaritan Hospital Center for Cognitive Rehabilitation Executive Functions Behavioral Rating Scale (BRS).</p> <p>Y Trail Making Test (TMT).</p> <p>Y Weschler Adult Intelligence Scale – Revised (WAIS–R).</p> <p>Results: 2 participants showed improvement on Tinker Toy test after PS training. General improvement overall on BRS, TMT and WAIS–R (not stats performed).</p>	<p>Rehabilitation Program</p> <p>Aim: To improve planning skills, particularly to reduce errors on tests of executive function.</p> <p>Materials: Tower of Toronto test, Raven’s progressive matrices and physical therapy video.</p> <p>Treatment Plan:</p> <p>Y Duration: 18 weeks (44 hours).</p> <p>Y Procedure: 2 sessions per week (1 hour; Self-instructional and problem solving) or 2 sessions per day–5 days/week (20 minutes; physical set changing).</p> <p>Y Content:</p> <ul style="list-style-type: none"> – Used three main methods: <ol style="list-style-type: none"> 1. Self-instructional (SI) procedure. 2. Problems solving (PS) training. 3. Physical set changing (PSC) exercise. – The three training methods were given sequentially to the participants for 6 week periods: <ol style="list-style-type: none"> 1. Participant 1 – SI (6 weeks) → PS (6 weeks) → PSC (6 weeks). 2. Participant 2 – PS → PSC → SI. 3. Participant 3 – PSC → SI → PS. – <i>SI procedure</i> – using the Tower of Toronto participants must say out loud their plan/strategy before and during the task training (this gradually fades out in 3 steps). – <i>PS training</i> – used ravens standard progressive matrices. 5 stages: <ol style="list-style-type: none"> 1. Analyse the problem. 2. Solve by parity of reasoning. 3. Verbally describe their solution. 4. Evaluate solution. 5. Retry (if needed). – <i>PSC Exercises</i> – participants followed exercise video tape.