



<p>Persel et al. (1997). The use of noncontingent reinforcement and contingent restraint to reduce physical aggression and self-injurious behaviour in a traumatically brain injured adult. <i>Brain Inj</i>, 11(10): 751-760.</p>	<p><b>RoBiNT score</b> - 12/30</p>
<p>Method / Results</p>	<p>Rehabilitation Program</p>
<p><b>Design</b></p> <ul style="list-style-type: none"> <li>• <b>Study Type:</b> SCD. ABAB design; A= structured baseline, no treatment; B=non contingent reinforcement (NCR).</li> <li>• <b>Population:</b> n=1. Male, age 40, TBI (motor vehicle accident 13 years prior to the study). Severe aggressive and behavioural problems.</li> <li>• <b>Setting:</b> Public three-bedroom apartment, operated by the rehabilitation facility.</li> </ul> <p><b>Target behaviour measure/s:</b></p> <ul style="list-style-type: none"> <li>• Recordings of self-injurious behaviour (SIB).</li> <li>• Recordings of physical aggression (PA).</li> </ul> <p><b>Primary outcome measure/s:</b></p> <ul style="list-style-type: none"> <li>• Self-injury trauma (SIT) scale.</li> </ul> <p><b>Results:</b> Visual analysis of graphed data showed PA and SIB levels decreased during intervention and remained at a relatively low level at follow-up (no statistical analysis performed).</p>	<p><b>Aim:</b> To decrease self-injurious behaviour and physical aggression.</p> <p><b>Materials:</b> None specified.</p> <p><b>Treatment Plan:</b></p> <ul style="list-style-type: none"> <li>• <b>Duration:</b> 17 weeks + 1 month follow-up.</li> <li>• <b>Procedure:</b> Data was collected using a 15-minute interval data sheet for all waking hours. Further procedure outlined below.</li> <li>• <b>Content:</b></li> <li>• <u>Structured baseline</u> sessions (A) consisted of keeping the participant engaged in productive activity and orienting him frequently throughout the day as to upcoming events. When he began escalated behaviour (e.g. exaggerated talk), he was to be calmly redirected to the current activity.</li> <li>• <u>NCR</u> (B) – attention was given on a fixed-time schedule which was not dependent on behaviour. Attention was given every 30 minutes between waking and 11am; and from then on, every hour until bedtime. Attention was a 3-minute conversation.</li> <li>• <u>Contingent restraint</u> was implemented during both A and B phases (in cases of physical aggression toward staff or another patient, or self-injurious behaviour).</li> </ul>

Note that these rehabilitation summaries reflect the current literature and the treatments are not necessarily endorsed by members of the NRED Team.