



<p>Slifer et al. (1993). Behaviour analysis and intervention during hospitalization for brain trauma rehabilitation. <i>Arch Phys Med Rehab</i>, 74(8): 810-817.</p>	<p>RoBiNT score - 8/30</p>
<p>Method / Results</p>	<p>Rehabilitation Program</p>
<p>Design</p> <ul style="list-style-type: none"> • Study Type: SCD. Multiple baseline across participants. • Population: <ul style="list-style-type: none"> ○ Participant 1: male, age 10 years, intractable seizures leading to right hemispherectomy, 36 days post-surgery, Wechsler Full Scale Intelligence Quotient (FSIQ) 59. ○ Participant 2: male, age 10 years, TBI, Glasgow Coma Scale (GCS) score 8, 32 days post-trauma, FSIQ 75. ○ Participant 3: male, age 15 years, TBI, GCS score 14, 12 days post-trauma, FSIQ 64. ○ Participant 4: female, age 16 years, TBI, GCS score 3, 106 days post-trauma, FSIQ <40. • Setting: Inpatient paediatric neurorehabilitation unit. <p>Target behaviour measure/s:</p> <ul style="list-style-type: none"> • Verbal agitation (e.g. yelling, shouting, crying). • Physical aggression (e.g. hitting, kicking, scratching). • Physical disruption / destruction of property (e.g. throwing, striking, damaging hospital equipment or belongings of self or others). • Noncompliance (refusal to cooperate with medical treatment or attend and participate in therapy). <p>Primary outcome measure/s:</p> <ul style="list-style-type: none"> • No other standardised measure. <p>Results: Graphed data provided, but no statistical analysis conducted. There was an increase in compliance with medical and rehabilitation programs, especially for Participants 2 and 3 (virtually 100%), but not Participant 1 whose response was variable. Participant 4 showed a partial reduction in disruptive behaviours.</p>	<p>Aim: To decrease aggression and noncompliance in adolescents with ABI, using differential reinforcement of appropriate behaviour (DRA).</p> <p>Materials: Nil required.</p> <p>Treatment Plan:</p> <ul style="list-style-type: none"> • Duration: Length of therapy approximately 4 weeks for Participants 1-3; 4 months for Participant 4. • Procedure: Total contact time not specified. No therapy sessions per se; rather behaviours observed at ward level. Individual staff members provided with record forms to document all instances of a) following rules and b) disruptive behaviours. • Content: Uses DRA. Staff trained in the procedures, using didactic teaching sessions with examples, modelling, and observed in their implementation of corrective feedback. Components included: <ul style="list-style-type: none"> • Positive reinforcement of cooperative attendance and socially appropriate behaviour with immediate verbal praise and contingent access to preferred activities at midpoint (15 minutes) and end (30 minutes) of therapy. • Ignoring disruptive or inappropriate behaviour and withholding all social interaction other than interrupting behaviour and prompting appropriate alternative. • Response cost implemented for disruption, aggression or noncompliance after a warning (loss of preferred activity or token saved to have access to preferred activities).

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