



<p>Treadwell and Page (1996). Functional analysis: Identifying the environmental determinants of severe behaviour disorders. <i>J Head Trauma Rehabil</i>, 11(1):62-74.</p>	<p>RoBiNT score - 13/30</p>
<p>Method / Results</p>	<p>Rehabilitation Program</p>
<p>Design</p> <ul style="list-style-type: none"> • Study Type: SCD. Functional analysis and AB design (A – baseline, B – intervention). • Population: n=1, male, age 37, diagnosed with severe TBI (motor vehicle accident 13 years prior to his admission), seizure disorder and behaviour disorder. • Setting: Inpatient unit. <p>Target behaviour measure/s:</p> <ul style="list-style-type: none"> • Increasing compliance and decreasing maladaptive behaviour as operationally defined: <ul style="list-style-type: none"> • Self-injury: forceful contact between open palm and cheek. • Aggression: forceful contact between closed fist or foot and another person's body. • Spitting: spittle landing within 1 foot of another person. • Banging furniture: forceful contact between closed fist and furniture. • Overturning furniture: object being turned on its side or overturned. • Throwing objects: objects landed greater than 1 foot from another person. • Compliance: independent compliance to instruction within 10 seconds. <p>Primary outcome measure/s:</p> <ul style="list-style-type: none"> • No other standardised measure. <p>Results: Graphs showed treatment was effective in increasing compliance and decreasing maladaptive behaviours. Generalisation was observed to daily living activities and vocational program. No statistical analysis was conducted.</p>	<p>Aim: To increase frequency of prosocial and communication responses and decrease maladaptive responses by using functional analysis to determine environmental variables maintaining maladaptive responses.</p> <p>Materials: Mop, bucket, clothing, dinnerware and towels (for demand tasks).</p> <p>Treatment Plan:</p> <ul style="list-style-type: none"> • Duration: Unclear from report. • Procedure: Sessions conducted morning and afternoon, 5 days a week. Session length was 10 minutes, and 8-12 sessions were conducted in a day. • Content: • Functional analysis conducted, with four approximations of environmental conditions: 1) social attention, 2) access to tangible rewards, 3) escape from demands, and 4) recreation. Results showed behaviour was maintained by escape and treatment was implemented taking this into account. • 3 elements from functional analysis used in treatment: <ol style="list-style-type: none"> 1. Guided compliance: <ol style="list-style-type: none"> a. Verbal instructions provided at first prompt. b. Gestural paired with verbal instruction if compliance not observed within 5 seconds. c. Physical prompting with verbal instructions if compliance not observed within next 5 seconds. d. Praise was given following independent compliance. 2. Behaviour momentum: 2 relatively easy instructions that resulted in high compliance were followed by 1 difficult demand to increase probability of being compliant with difficult demand. 3. Extinction: Ignoring maladaptive behaviour and continuing with learning trial.