

Managing Challenging Behaviors in Brain Injury

Rene' Mills, M.S., CCC-SLP, CBIST 7/24/24



Learning Objectives

- 1) Be able identify at least 3 types of maladaptive behaviors observed in traumatic brain injury.
- 2) Describe the process of determining positive reinforcers for a patient.
- 3) Describe at least two techniques for facilitating a target skill or behavior.



Maladaptive behaviors

Aggressive/abusive behavior

Disinhibition

Irritability/low frustration tolerance

Impulsivity



Non-compliance

Verbal Aggression

Lack of initiation/apathy

Disruptive behavior (yelling, spitting, cursing)



Lack of personal hygiene

Revised Rancho Levels of Cognitive Functioning

- I. No response
- II. Generalized response
- III. Localized response
- IV. Confused, agitated, inappropriate
- V. Confused, inappropriate, non-agitated
- VI. Confused, appropriate
- VII. Automatic appropriate
- VIII. Purposeful and appropriate-SBA
 - XI. Purposeful and appropriate-SBA on request
 - X. Purposeful, appropriate, Modified Independent Hagen, C. (1997)



Disorders of Consciousness

- Medical Management
- Environmental management
- Controlled stimulation documented by entire team
- Management of coma-emergent agitation
- Training of caregivers







Revised Rancho Levels of Cognitive Functioning

- I. No response
- II. Generalized response
- III. Localized response
- IV. Confused, agitated, inappropriate
- V. Confused, inappropriate, non-agitated
- VI. Confused, appropriate
- VII. Automatic appropriate
- VIII. Purposeful and appropriate-SBA
 - XI. Purposeful and appropriate-SBA on request
 - X. Purposeful, appropriate, Modified Independent Hagen, C. (1997)



Level IV Rancho

- Confused, agitated, inappropriate
- May have hallucinatory states
- Post-traumatic amnesia (absent short-term memory)
- Alert and heightened state of activity
- May exhibit aggressive behavior
- Verbalizations may be incoherent or inappropriate



Level V Rancho

- Confused, inappropriate, non-agitated
- May wander randomly or with a vague intent of going home
- Not oriented to person, place, or time
- Can converse on a social, automatic level for brief periods
- Severely impaired recent memory, confusion of past and present
- Unable to learn new information



Level VI Rancho

- Confused, appropriate
- Inconsistently oriented to person, time, and place
- Attends to highly familiar tasks in non-distracting environment for 30 min with moderate redirection
- Remote recall better than recent recall
- Unaware of deficits and safety risks
- Consistently follows simple directives



Level VII Rancho

- Automatic appropriate
- Consistently oriented to person and place. Moderate assist for orientation to time
- Demonstrates carry-over of new learning
- Unable to think about consequences of decisions or actions
- Unaware of other's needs and feelings
- Unable to recognize inappropriate social interaction behavior

All behavior is "LAWFUL"

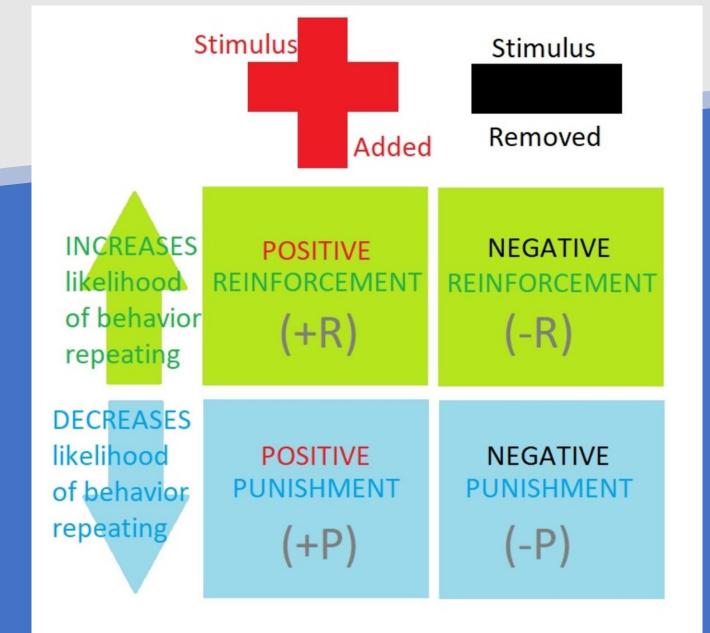


Rule governed

Receive something desired

Escape from something unpleasant







ABC's of behavior

- Antecedent
- Behavior
- Consequence



Extinction

- *Actively ignoring a problem behavior
- *Usually rooted in attention seeking
- *Extinction burst phenomenon







How to identify positive reinforcers

- 1. Ask the patient directly, if possible
- 2. Talk to family members about the patient's preferences
- 3. Observe the patient during down time



The Art of Setting Limits

- Explain which behavior is inappropriate
- Explain WHY the behavior is inappropriate
- Give reasonable choices with consequences
- Allow time
- Be prepared to enforce your consequences





Empathic Listening

- Non judgmental
- Uses restatements to clarify "What I hear you saying is..."
- Give your undivided attention
- Listen for underlying messages
- Allow silence. This allows the person time to reflect on what they have said.

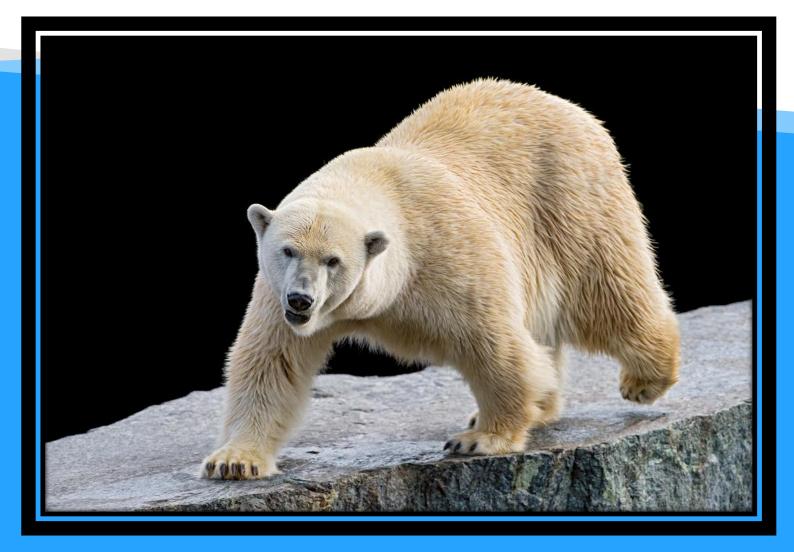


Case studies

1. 15 year old with TBI bites, non-verbal, refuses oral care

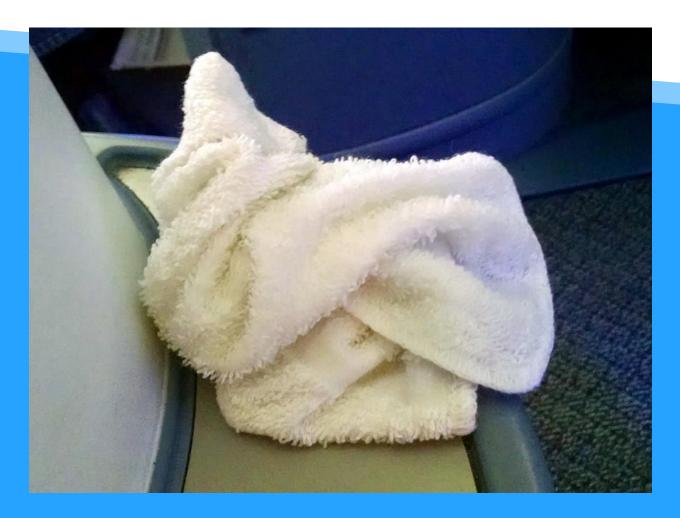
 2. 65 year old with TBI that hoards, paranoid, anger that escalates quickly







15 year-old, non-compliant, non-oral and non-verbal





65 year-old with TBI, hoarding, paranoia, low frustration tolerance

Jonn's Room Checklist
Floor cleaned-no boxes or shoes in
walk area.
Urinal emptied.
No more than 2 glasses from
cafeteria or paper cups in room.
No butter or food drawer.
No towels on floor.
Dirty clothes put in hamper.
Signature
Staff Signature
Date



General Behavioral Guidelines



- Always state desired behavior in the positive
- Use a calm voice with neutral facial expression, watch your body language
- Remember the Q-tip principle: Quit taking it personally!
- When an escalation occurs, have ONE person be the main communicator with the patient. Avoid having multiple people talking to the patient at once.
- Don't engage in arguments or power plays.
- Know your patient, have access to things they enjoy to use as a positive reinforcer: music, pictures, a favorite TV show or activity



General Behavioral Guidelines Cont'd

- Never correct a patient in front of others. DO praise them in front of other team members
- Restless patients need to be able to walk out their frustration in a safe environment that is not overstimulating.
- Allow the patient choices (limited equal choices) to involve them in decision making. It gives them some feeling of self control over what is happening to them.
- Use a neutral stance when interacting with someone who is known to be physically aggressive.



Resources

- Model Systems Knowledge Translation Center: https://msktc.org/TB
- Brain Injury-Behavior Management for Lifelong Success and Happiness. Ari Reindeau MS, BCBA, CBIS: https://www.youtube.com/watch?v=3Aa5W_RLmDU
- Crisis Prevention Institute: https://www.crisisprevention.com/blog/general/how-to-set-limits/
- Crisis Prevention Institute: https://www.crisisprevention.com/blog/general/7-tips-for-empathic-listening/
- Center for Outcome Measurement in Brain Injury (COMBI)
 - Overt Behavior Scale, Agitated Behavior Scale
- Essential Brain Injury Guide (EBIG 5), Academy of Certified Brain Injury Specialists, BIAA.



Agitated Behavior Scale

AGITATED BEHAVIOR SCALE

Patient	Period of Observation:
Observ. Environ	a.m. From:p.m//
	a.m.
Rater/Disc	To:
At the end of the observation period inde each item was present and, if so, to what Use the following numerical values and	degree: slight, moderate or extreme.
the conduct of other, contextual may redirect spontaneously, or a does not disrupt appropriate bel 3 = present to a moderate degree: th an agitated to an appropriate bel 4 = present to an extreme degree: the	chavior is present but does not prevent ly appropriate behavior. (The individual the continuation of the agitated behavior havior.) e individual needs to be redirected from havior, but benefits from such cueing. e individual is not able to engage in interference of the agitated behavior,
DO NOT LEAVE BLANKS.	
Short attention span, easy distriction. Impulsive, impatient, low tole. Uncooperative, resistant to car. Violent and or threatening vio. Explosive and/or unpredictab. Rocking, rubbing, moaning or. Pulling at tubes, restraints, etc.	rance for pain or frustration. re, demanding. lence toward people or property. le anger. other self-stimulating behavior.
Wandering from treatment are Restlessness, pacing, excessive Repetitive behaviors, motor a	eas. e movement.
Rapid, loud or excessive talking	nd/or verbal. ag.
Sudden changes of mood. Seasily initiated or excessive countries. 14. Self-abusiveness, physical and	

