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AN OVERVIEW
OF BEHAVIORAL TREATMENT
IN LIGHT OF COGNITIVE IMPAIRMENT

ORAL PRESENTATION AND
ALL SLIDES © KAROL 2016



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OF SLIDES/HANDOUTS

THANK YOU








SKILL BUILDING TREATMENT

TECHNIQUE

TEACH ALTERNATIVE BEHAVIORS

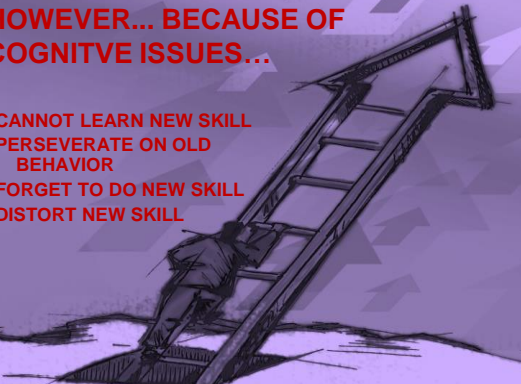


THEORY

MORE EFFECTIVE BEHAVIOR WILL REPLACE OLD INEFFECTIVE BEHAVIOR

HOWEVER... BECAUSE OF COGNITIVE ISSUES...

CANNOT LEARN NEW SKILL
PERSEVERATE ON OLD BEHAVIOR
FORGET TO DO NEW SKILL
DISTORT NEW SKILL



THEORY BEHIND CONTINGENCIES

TECHNIQUE

MANIPULATE CONSEQUENCES

THEORY

BEHAVIOR CHANGES IN RESPONSE TO CONSEQUENCES

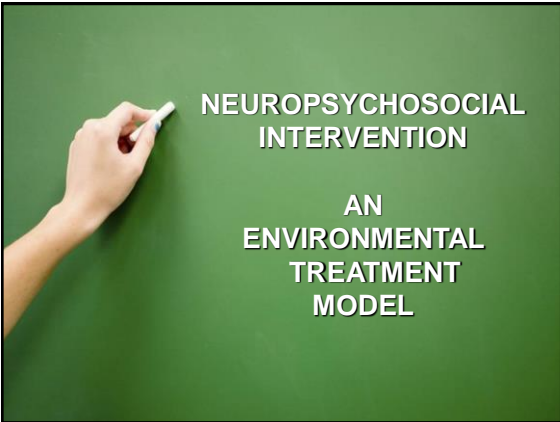


**DIFFICULTIES AS APPLIED TO
COGNITIVE IMPAIRMENT**



ISSUES
FORGET BEHAVIOR
FORGET CONSEQUENCES
REBEL AGAINST
CONSEQUENCES
CONSEQUENCES TOO WEAK
DO NOT ACT IN OWN BEST
INTEREST

**NEUROPSYCHOSOCIAL
INTERVENTION**



**AN
ENVIRONMENTAL
TREATMENT
MODEL**

NEUROPSYCHOSOCIAL INTERVENTION



**DO NOT TRY TO CHANGE PERSON TO FIT WORLD
CHANGE ENVIRONMENT (OTHER PEOPLE AND PHYSICAL WORLD) TO FIT THE PERSON**

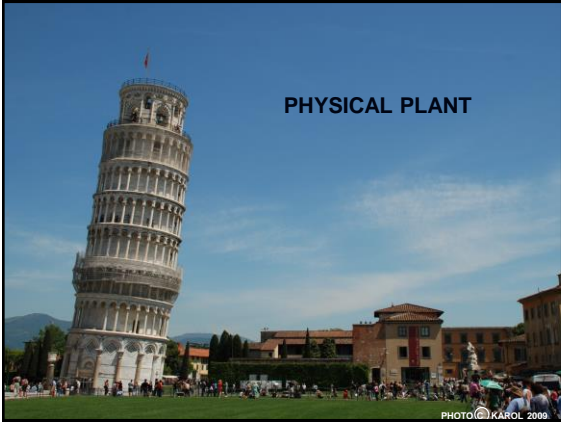
PHENOMENOLOGY OF DYSCONTROL
 – KAROL

EMOTIONS	PHYSICAL STATUS
GRIEF	PAIN
FEAR	EXERCISE
SOCIAL	LIMITS
UPBRINGING	COGNITIVE PROBLEMS
VALUES	MEMORY
SEXUAL	COMMUNICATION
SCHEDULING	EXECUTIVE
PRIVACY	FUNCTIONS

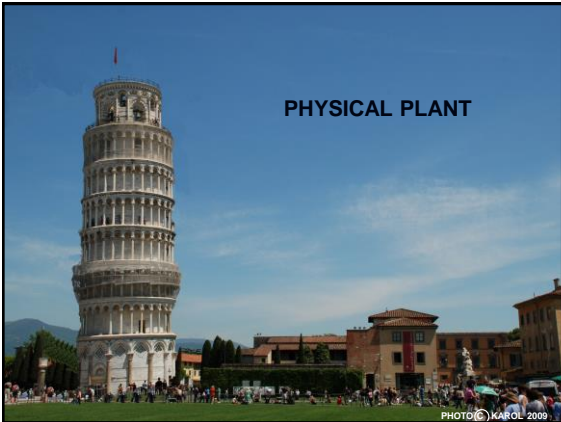
GROK

STRANGER IN A STRANGE LAND
 ROBERT A. HEINLEIN

CREATING THE NEUROPSYCHOSOCIAL ENVIRONMENT



PHYSICAL PLANT



PHYSICAL PLANT

IMPACT OF STAFF BEHAVIOR ON BEHAVIOR OF PEOPLE WITH BRAIN INJURY

Some believe that **95%** of maladaptive behaviors in treatment after brain injury can be accounted for by staff behavior !!!!



Applied Behavior Management and Acquired Brain Injury: Approaches and Assessment
Yody BB, Schaub, C, Conway, J, Peters, S, Strauss, D, Heisinger, S
Journal of Head Trauma Rehabilitation
August 2000, Volume 15, Issue 4, p. 1041-1060

**NEUROPSYCHOSOCIAL
ENVIRONMENT**




**STAFF ARE THE TREATMENT
MUST RUN THE SCRIPT
ACCURATELY
ADAPT TO THE NEEDS OF THE
PERSON**

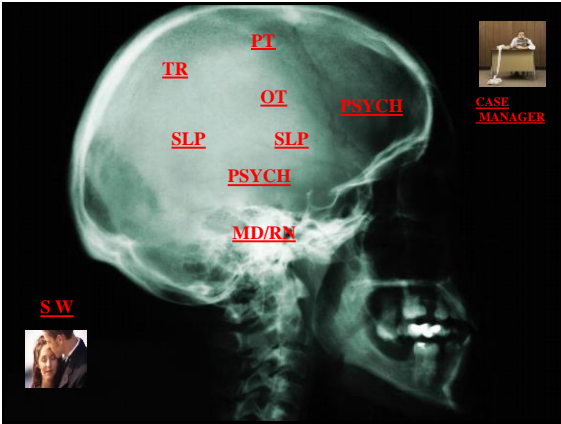
Care Plans

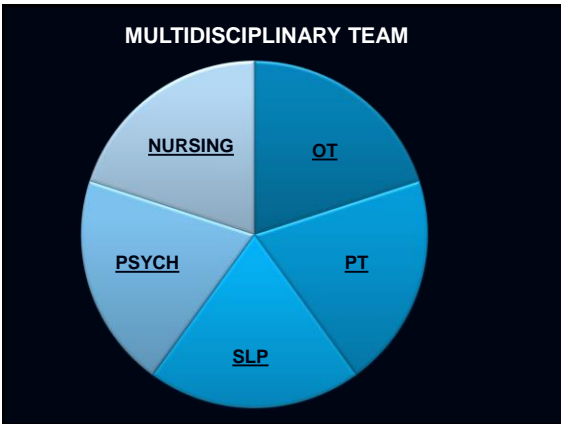


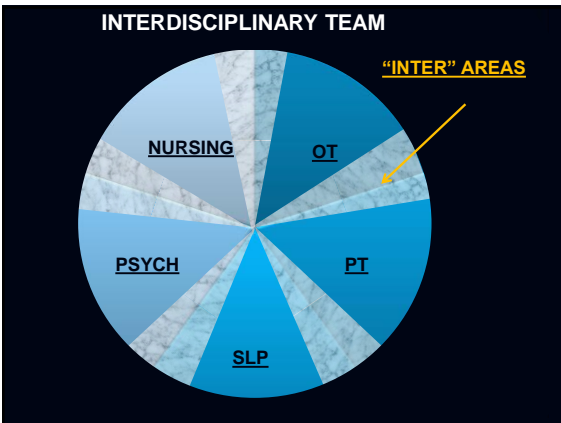
**FOCUS ON STAFF
NOT "PERSON
WILL...."**

OCCUPATIONAL THERAPY:	MOTOR STRIP ARMS
PHYSICAL THERAPY:	MOTOR STRIP LEGS
SPEECH PATHOLOGY:	BROCA / WERNICKE
PSYCHOLOGY:	FRONTAL/LIMBIC/TEMPORAL
NURSE/PHYSICIAN	BRAIN STEM
RECREATIONAL THERAPY:	PARIETAL
SOCIAL WORK:	BRAIN OF THE FAMILY
CASE MANAGER:	BRAIN OF INSURER



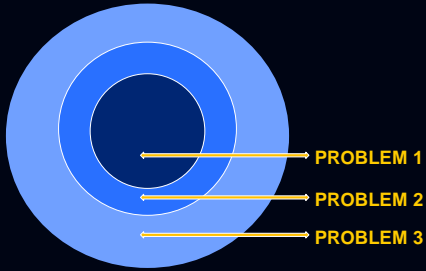






TRANSDISCIPLINARY TEAM

KAROL



EVERYONE
COMES TO
ROUNDS



SHOULD NOT DO SOMETHING
SHOULD NOT ACT THAT WAY
SHOULD NOT GET AWAY WITH
SOMETHING

STAFF EXPECTATIONS

SHOULD NOT DO SOMETHING → INSIGHT

SHOULD NOT ACT THAT WAY

SHOULD NOT GET AWAY WITH SOMETHING

STAFF EXPECTATIONS

SHOULD NOT DO SOMETHING → INSIGHT

SHOULD NOT ACT THAT WAY → SKILLS

SHOULD NOT GET AWAY WITH SOMETHING

STAFF EXPECTATIONS

SHOULD NOT DO SOMETHING → INSIGHT

SHOULD NOT ACT THAT WAY → SKILLS

SHOULD NOT GET AWAY WITH SOMETHING → CONTINGENCIES

STAFF EXPECTATIONS

“I believe in being an innovator.”
-Walt Disney

Karol, R.L. (2003).

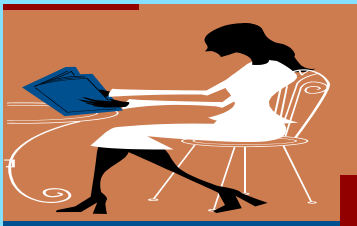
Neuropsychosocial Intervention: The practical Treatment of Severe Behavioral Dyscontrol after Acquired Brain Injury.

www.crcpress.com



Karol, R.L. (2013).

Principles of Behavioral Analysis and Treatment. In N.D. Zasler, D.I. Katz, & Zafonte, R.D. (Eds.) Brain Injury Medicine (2nd Edition). www.demosmedical.com



Karol, R.L. (Scheduled for 2016).

**Behavior Plan Workbook: How to
Conceptualize and Treat Behaviors
after Brain Injury.**
Lash and Associates Publishing



Karol, R.L.

**Team models in neurorehabilitation:
structure, function, and culture change**
Neurorehabilitation 34 (2014) 655–669





QUESTIONS