# TOOLS FOR IMPLEMENTING RESEARCH-ORIENTED

## SINGLE SUBJECT DESIGNS IN EVERY-DAY CLINICAL SETTINGS

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#### BACKGROUND

There is a limited scope of research-proven treatment methods that have received a certain "threshold of research evidence", in order to be considered as being "empirically validated" ([1], p. 61)

#### AIM

 To provide practical tools by which a research-oriented and evidence-based intervention design can be embedded in everyday clinical settings

How can I

implement this

into

my day-to-day

clinical setting???

Universita.

To systematically collect empirical support for specific intervention methods and materials

#### **PROCEDURE** for evaluating therapies <sup>[2,3]</sup>

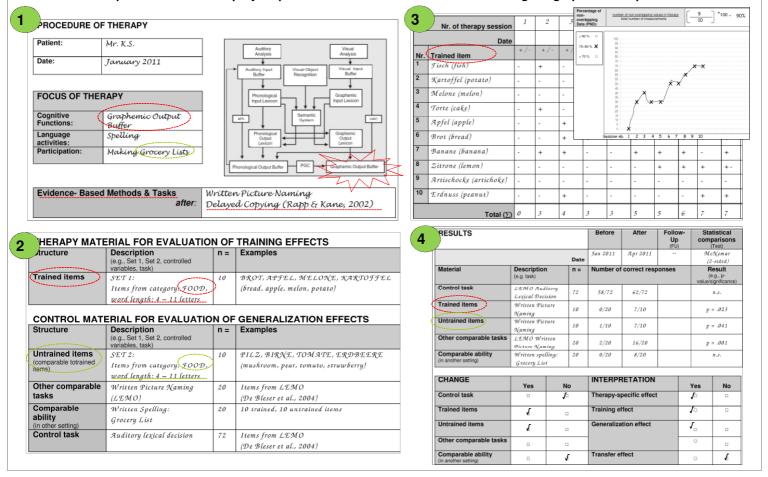
- Use same assessments before and after therapy  $\rightarrow$  testing skills to be treated.
- Perform more than one assessment before therapy → testing stability of pre-treatment behavior
- Use a **control task** before and after therapy  $\rightarrow$  testing skills not being affected by the treatment
- Divide assessed items in comparable subsets → Set 1: "to-be-treated" items, Set 2: "control" items
- Evaluate the results objectively after therapy → compare pre-/post testing statistically

TREATMENT PROTOCOLS<sup>[4]</sup> (regularily used within supervised internship, BSc Patholinguistics, Potsdam University) Templates for developing, conducting and evaluating an evidence-based treatment

- (1) Therapeutic methods (goals, task and method, scoring)
- (2) Predicted outcome (based on empirical evidence)
- (3) Structure of material (treated/untreated items, control task,
- related/unrelated tasks for measuring generalization)

(4) Course of therapy (quantitative and qualitative analyses) (5) Evaluation of results (preparing data for statistical analyses) (6) Main overview of results (item-specific treatment effects, generalization to untreated items/tasks)

EXAMPLE: Templates used for a step-by-step documentation of a remediation focusing the graphemic output buffer



### **CONCLUSION: TREATMENT PROTOCOLS**

REFERENCES

- · Very useful guideline for the step-wise evaluation of a language intervention
- Easy handling of monitoring the process of intervention and the documentation of the results
- Necessary for replicating and extending empirically validated treatments based on empirically supported materials

ITSCHEMENCE [1] Schlosser, R.W., & Sigaloos, J. (2008). Identifying 'evidence-based practice' versus 'empirically supported treatment'. Evidence-Based Communication Assessment and Intervention, 2, 61 – 62. [2] Franklin, S.E. (1997). Designing single case treatment studies for aphasic patients. Neuropsychological Rehabilitation 7, 401–418. [3] Nickels, L. (2002). Therapy for naming disorders: Revisiting, revising, and reviewing. Aphasichogy, 16, 305-800. [4] Stade, N., & Schröder, A. (2009). Kognitiv oreiniente Sprachtherapie. Methoden und Material II's Aphase, Dyselsev and Dyserganie. Muchane: Elsevier, Urban & Fischer. De Bleser, R., et al. (2004). Lexitor modeliberianties. The Enzelatidiagnostic bet Aphasis, Dyselsev and Dyserganie. Michae: Lexitor Urban & Fischer. De Bleser, R., et al. (2004). Lexitor modeliberianties. The Enzelatidiagnostic bet Aphasis, Dyselsev and Dyserganie. Michae: Lexitor Urban & Fischer. CONTACT