





Thank you to Apraxia Kids

Acknowledge the 2021 bootcamp instructors and bootcamp participants who moved our knowledge base forward with their questions, wonderings, and breadth and depth of knowledge.

Learner Objectives:

- SLP participants will increase their knowledge of evidence based treatment practices.
- SLP participants will come away with treatment strategies to use in practice with children with speech-motor learning difficulties.
- > SLP participants will increase their understanding of common comorbid challenges.



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What is evidence based practice?

→ Clinical Expertise (internal evidence from clinical practice) "the conscientious, explicit and judicious use of current best evidence in making decisions about the core of individual patients" - state Revense (or), inverse Revensor (189, p. 7); tem Breen, 2005.

EBP = Best possible outcomes

 Based on: (Dollaghan, 2007)

- → External Scientific Evidence
- → Client Perspectives (internal evidence):

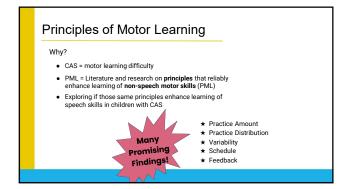


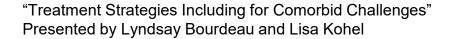
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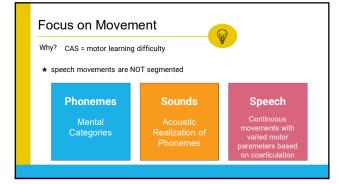
Evidence Based Practice: Treatment

Key components of motor based intervention:

- → Incorporates Principles of Motor Learning (PML)
- ightarrow Focus is on movement, not phoneme or sound
- \rightarrow Dynamic Intervention (finding the "sweet spot")
- → Practice, practice, practice
- → Target Selection







Dynamic Intervention

"FINDING THE SWEET SPOT"

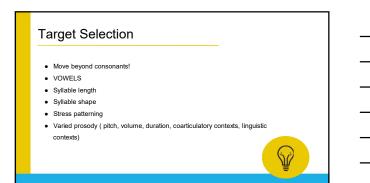
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- \rightarrow Dynamically adjust variables
- → Data as a guide
- → Thoughtful/Reflective practice

Practice, Practice, Practice

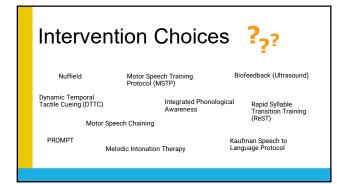
- Know the correct motor parameters
- Consider co-articulation patterns
- Engage in errorless learning as much as possible

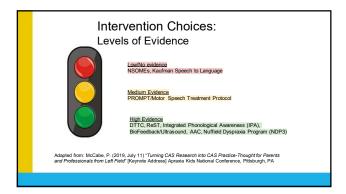


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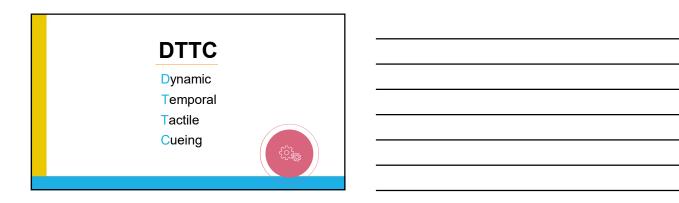


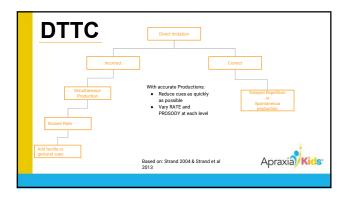


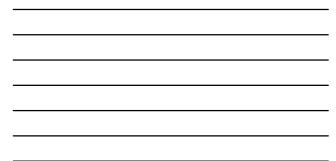
Intervention Choices

- Dynamic Temporal Tactile Cueing (DTTC)
- Rapid Syllable Transition Training (ReST)
- PROMPT









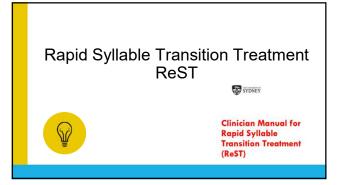
DTTC & Motor Based Elements

- Easily incorporates PML
- · Explicit focus on movement
- · Focus on coarticulation
- · Challenge point framework (finding the "sweet spot")

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- · Emphasizes accuracy
- · Targets chosen to improve movement patterns

DTTC: more information www.childapraxiatreatment.org DTTC: A treatment strategy for CAS in AJSLP (Strand, 2020) Apraxia Kids Webinar Library Apraxia Kids Article Library



ReST

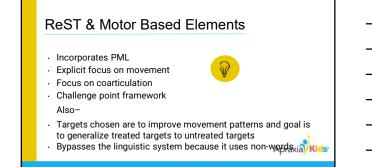
Treatment framework based on PML with a focus on lexical stress patterning

Motor-Based Approach that aims to improve accuracy of speech sounds, transitions between sounds, syllables, and stress

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Apraxia

- Applies PML
 Uses multisyllabic non-words in varying stress patterns
 Targets sounds, "beats" and smoothness





PROMPT

Prompts for Restructuring Oral Muscular Phonetic Targets

PROMPT

- Tactile-kinesthetic input for kids with speech-motor impairments
- Facial prompts are thought to provide information about place of articulation, degree of muscle contraction, coarticulation, and timing of speech movements

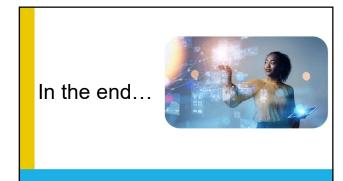
PROMPT & Motor Based Elements

- Focus is on movement vs sounds
- Hierarchy of speech motor control

PROMPT

Challenges:

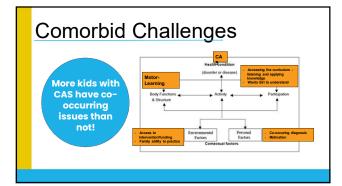
- Research
- Financial Investment
- Incorporation of PML

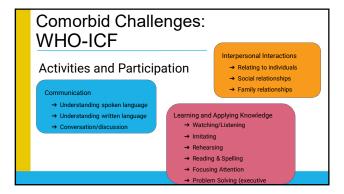


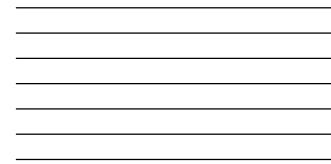
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Comorbid Challenges: Script for Learning

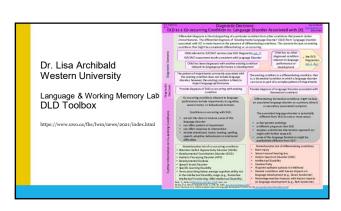
"STOP - LOOK - LISTEN - IMITATE"

1. Establish attention toward a speaker

2. Imitation Skills

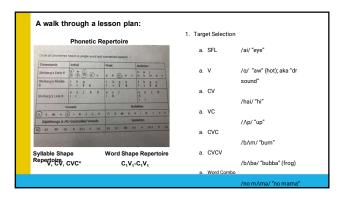
3. Revision Skills (Pukonen et al, 2010)

Developmental Language Disorder

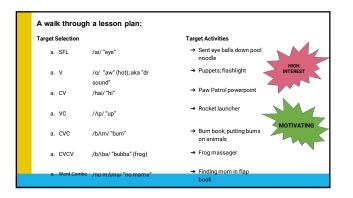


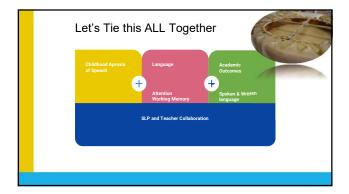


A walk through a lesson plan: General ideas: → 6-8 targets in 45 minute session → Fewer targets = more repetitions → Variety of targets → Phonemic Awareness













Lecture Series for Professionals Provided by Apraxia Kids

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