

Speech Sound Disorders (SSD) in Children: Classification and Treatment Guidelines

Date: 19.-20.8.2024

Location: Finland, Joensuu

Presenter: Aravind Namasivayam, Ph.D., Reg. CASLPO, S-LP (C)

Expected Learning Outcomes

By the end of this training, trainees will:

- Describe speech sound vs speech motor development.
- Understand recent changes to SSD classification systems.
- Describe methods for the assessment of pediatric SSDs.
- Describe components of an effective treatment session.
- Describe techniques to maximize treatment effectiveness.

Workshop program

Day 1

08:30–09:15 Coffee and Registration

09:15–10:15 **Module 1: Speech Sound vs Speech Motor Development.** This section will provide a brief overview of speech sound development and how it differs from speech motor development.

10:15–11:15 **Module 2: Relationship between Language, Phonology and Synergies.** Interactions between language, phonology and speech motor synergies and implications for speech sound disorders.

11:15–11:30 BREAK

11:30–12:30 **Module 3: Speech Sound Disorder (SSD) Classification Systems.** Overview of Dodd's psycholinguistic & Shriberg's SDCS model. Disorder features, changes to SSD classification system and current issues.

12:30–13:30 LUNCH

13:30–14:45 **Module 4: SSD Classification Systems: Assessments.** The section will cover topics relating to current clinical and research assessment procedures, tests and checklists used to identify subgroups of children with speech sound disorders.

14:45–15:15 BREAK, Coffee

15:15–16:45 **Module 5: Practical Assessment of SSD subtypes.** Hands-on training in small groups. Participants will learn assessment procedures and classification subtyping using case-studies and clinical videos.

16:45–17:00 Wrap-up of the day 1

Day 2

08:30–09:00 Coffee

09:00–11:00 **Module 6: Intervention approaches.** Overview of different interventions for different disorder subtypes. Broad distinction between input and output-oriented approaches with video examples. Focus on alignment between pathophysiology and intervention theory.

11:00–11:15 BREAK

11:15–12:30 **Module 7: Integrating traditional & non-linear approaches.** Learn about a hybrid approach that integrates the traditional interventions with non-linear hierarchical structure. View errors as compensations and how to create facilitatory contexts. Embed speech motor goals into language-cognition-social-emotional domains.

12:30–13:30 LUNCH

13:30–14:30 **Module 8: Practical Integration: Non-linear approach.** Hands-on training in small groups. Participants will learn to identify error patterns and develop intervention goals and strategies.

14:30–15:15 **Module 9: Intervention Efficiency.** Principles of Treatment, Care pathways, Key terms related to Dose parameters (e.g. Dose frequency, Cumulative intervention intensity) and dose calculations. How to maximize effectiveness of SSD treatment. Use of treatment fidelity measures.

15:15–15:45 BREAK, Coffee

15:45–16:45 **Module 10: Intervention Efficiency.** Alternatives to sound norms Ability, stability, stimulability and sequence strategy. Focus on applying principles of motor learning.

16:45–17:00 Wrap-up of the day 2