

Title: Assessment and Treatment of CAS: Emphasis on Dynamic Temporal and Tactile Cueing (DTTC) therapy for children with Severe CAS

Abstract: Day one of this two-day workshop provides a brief review of CAS, including the neurologic mechanisms involved and how the disorder fits into a simple model of speech production. The afternoon emphasizes assessment tasks, especially dynamic assessment for children suspected to have childhood apraxia of speech (CAS). Susanne Rex will present *Using dynamic assessment and speech features in the diagnostic procedure of CAS, Including a workshop from video examples*. Day 2 focuses on treatment, with an emphasis on DTTC. Because principles of motor learning are incorporated in DTTC and many other recent treatment approaches, they are introduced and discussed in the context of ongoing decision-making during intervention. Modeling of the treatment, video examples and participant practice will provide different ways of becoming familiar with the method.

Day 1:

8:30-9:00: Check in

9:00 - 10:30 Brief review of CAS, including the neurologic mechanisms involved

10:30-10:45 Break

10:45-12:30 Brief review of both discriminative and non-discriminative characteristics (Susanne will go into this in more detail in the afternoon)
Differentiating ataxic dysarthria
Videos of children showing differences in children with phonologic impairment and dysarthria, as well as children with different levels of severity of CAS
Fitting these diagnostic labels into models of speech production as a way to explain the levels of impairment to parents

12:30-13:15 lunch break

13:15-15:00 Susanne Rex: *Using dynamic assessment and speech features in the diagnostic procedure of CAS,*

15:00-15:15 Break

15:15- 17:00 Susanne Rex: *A workshop from video examples.*

Day 2

9:00-10:30 Treatment of CAS

How to engage the child in motor learning

Principles of Motor Learning

Additional general comments on how to treat CAS

10:30-10:45 Break

10:45-12:30 Treatment Planning

Explaining CAS to parents

Introduction to DTTC

12:30-13:15 lunch break

13:15-15:00 DTTC Hierarchy

Video examples of DTTC

Practice in DTTC

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5:00-15:15 Break

15:15- 17:00 Clinical decision making in treatment planning for DTTC