

## **Abstract**

### **Prosodicons: Adaptable Icons For Improving Prosody Through Literacy**

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Prosodic impairment is a characteristic of motor speech disorders that can affect a multitude of clinical populations. Current prosodic intervention programs are scarce, with limited findings on efficacy and lacking in adequate and appropriate visual models. To address this shortcoming, we designed “Prosodicons”, an adaptable tool that enables clinicians to implement the use of prosodic cues in therapy and utilize children’s residual abilities to modulate prosody.

“Prosodicons” consists of a set of reusable, child-friendly stickers that represent different levels of key prosodic features and were designed to be implemented into literacy tasks to create functional therapy targets. The set includes all domains of prosody (pitch, loudness, duration, stress, rate, phrasing, and discourse). A usability study is underway to assess learnability and ease of use of Prosodicons with a group of twelve typically developing children aged 7-8 with no motor speech impairment. Participants will be assessed before and after a six week intervention period to examine changes in prosodic modulation with and without visual cues. Our presentation will include a demonstration of Prosodicons and discussion of the findings of the benchmark study and implications for children with motor speech disorders.