

Title: Articulatory characteristics of stuttering

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A growing consideration of developmental stuttering from a motoric perspective highlights the importance of illuminating the articulatory mechanism of stuttering. Most previous articulatory studies of stuttering have focused on the perceptually fluent speech of people who stutter. Yet, to better understand what causes moments of stuttering, it is necessary to probe the articulatory behaviors during stuttered speech.

The current study examines movements of speech articulators during both fluent and stuttered speech of people who stutter. We will use a state-of-art vocal tract imaging tool: real-time structural magnetic resonance imaging (rtMRI). rtMRI is a safe and non-invasive tool to record videos of the movements of the vocal tract. Participants will be asked to produce speech inside the MRI scanner. Each scanning session will last for about 1 hour and participants will be compensated \$30 per hour of their participation.

This study will help identify the cause of stuttering dysfluencies at specific stages and processes of speech production. Examining the articulation of people who stutter has the potential to impact our scientific understanding of developmental stuttering and ultimately inform strategies for remediation.

The study will take place in Los Angeles, CA. Yijing Lu at yijinglu@usc.edu serves as the point of contact for more information about the study, including information regarding participation.