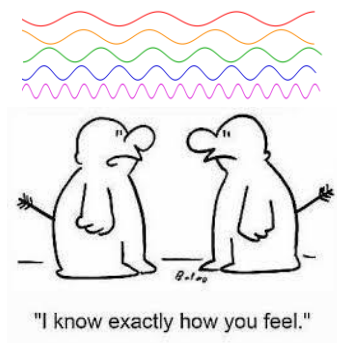


# Interbrain Electroencephalography (EEG) Signal Synchronization among Non-verbal Children/Youth with Severe Disabilities, their Parents, and Music Therapists



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**Do you want to help us learn more about brainwaves synchrony in non-verbal children/youth and their parents and non-verbal children/youth and their therapists??**

### What is this study about:

We would like to measure brainwaves synchrony with Electroencephalography (EEG) between child with nonverbal severe disabilities, their primary caregivers, and music therapist during music therapy sessions and storytelling sessions. The result of this study may help us to understand how youth with non-verbal CP build empathy and communicate their needs with their caregivers and therapists. We want to invite you and your child to be one of the families who tries it.

### Who can participate?

We are looking for

- Child/youth
  - Non-verbal Severe Disabilities
  - The Gross Motor Function Classification System (GMFCS) level IV and V
  - Age from 8 to 18 years old
  - Cannot have Epilepsy
- Parent (primary caregiver)
  - Have a child who meets the above criteria
  - No known history of neurological or psychological illness

### What's involved?

- 4 music therapy sessions and 4 storytelling sessions (approximately 25 minutes per session)
- EEG measurement and Video recording for all sessions

### Potential Benefits?

- The result of study may help children/youth to communicate their needs, and may help caregivers/therapist develop more appropriate strategies for communicating with non-verbal CP

Participants will receive \$10 of appreciation and \$5 for parking fee to thank them for their time.