

Influences that musical activities by acoustic musical instrument bring to Cochlear Implant Recipients. ; Feeling the articulation of music.

MATSUMOTO Yuji¹⁾ , MARUYAMA Noriko¹, ASATO Keichro¹⁾ , MORI Misaki ¹⁾ , SHIROMA Masae ²⁾

1)Senzoku Gakuen College of Music, 2)International University of Health and Welfare

【Introduction】

Most majority of the Cochlear Implant Recipients (CIs) are content of carrying communication in quiet but have difficulty listening in noisy environment. And, it's difficult for them to enjoy listening music because they have difficulty recognizing musical notes. As a result, many of the CI's tend to keep themselves apart from music. The further they keep themselves from music, more difficult it becomes for them to involve with music.

Our team have kept musical activities with CIs for more than ten years so they could enjoy music in some ways. Through those activities, we found that the recognition tasks involved with pitch or harmonies were tough for them, but we also discovered that having themselves playing musical instruments made them really willing to listen to music, not necessarily percept pitch, harmonies or melodies. They can play acoustic instruments, feel the emotions out of music through the activities.

【Objects】

Introducing our musical activities aiming to have CI's feel the articulation of music. We have held music concerts with CIs annually for the last ten years, so our activities should be introduced.

【Methods】

- ①Using acoustic musical instruments and have the CI's play following therapists.
Assess the below in the range from 1 to 10, how well they could imitate the therapist.
1) Rhythms 2) Dynamics 3) Breath 4) Intonation
- ②Have musical activities according to their abilities measured above.
- ③Using acoustic instruments, and feel the music articulation that is conducted by the others, to perform the tunes ensemble. The state of the capability to take in articulation was investigated.
- ④Practice playing musical instruments considering their skills observed above.

⑤Conducting the same tasks above with normal hearing participants and compare with CI's.

【Results and Discussion】

We surmise that these musical activities would help them improve their perception among the musical feelings.

Once they start to begin to improve on these abilities, they should start to feel some kind of satisfaction while listening to music. The CI's could feel the musical emotions - they don't have to give it up.