

## **Summary**

**(M06P)**

### **Multimedia Computer-Assisted Assessment and Auditory Training for Cochlear Implant Users**

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Auditory training with cochlear implants is successful when it is intensive. However, few clients or clinicians are able to participate in one-on-one, daily, structured listening drills needed to gain maximum performance. Laptop, computer-assisted, auditory training programs can fulfill this need if they employ a theoretically-based, perceptual rationale. After two years of planning, and two years of development, NTID's C-KATS Beta Version program will be described and demonstrated. This program complete consonant and vowel feature assessment and adaptively provides Katz phonetic synthesis auditory training protocols. Katz approach is designed to not only improve feature discrimination, but to improve word recognition fluency by improvement of sequential memory processing for phonemes. Multiple prerecorded speakers as well as clinician-produced quick auditory and visual training stimuli can be used for visual or auditory+visual training as well.