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Shining Light on Hearing with Cochlear Implants: fNIRS Brain Imaging Study

Ioulia Kovelman, Silvia Bisconti, Masha Shulkin, Gregory Basura, Paul Kileny

Abstract

This session is developed by, and presenters invited by NeuroAudiology. We explored the utility of functional Near Infrared Spectroscopy (fNIRS) brain imaging method to study Cochlear Implant (CI) treatment. Adult CI recipients and healthy controls completed auditory tasks and showed significant bilateral activation in the temporal lobes. Results suggest the efficiency of fNIRS imaging for the study of CI treatment.