

Critical Review: What are the spatial and non-

Selection Criteria

Studies selected for inclusion in this critical review were required to examine the effects of bilateral implantation on the head shadow, squelch, and binaural summation effects using challenging speech-perception tasks, speech recognition in the presence of different noise sources, and music perception tasks. Participants in the studies were adults with sensorineural hearing impairment or who were postlingually deafened. There were no restrictions on the demographics of the subjects or the outcome measures.

Data Collection

A review of the literature yielded four peer-reviewed

Within Groups Repeated Measures

Wackym, Runge-Samuels, Firszt, Alkaf, and Burg (2007) investigated testing conditions that would result in a binaural benefit in seven adult cochlear implant recipients. They used tests that presented word and sentence stimuli

on speech perception is inferred from a positive SRT

