

Julie-Anne M. Coyne  
M.Cl.Sc. AUD Candidate  
University of Western Ontario: School of Communication Sciences and Disorders

This critical review examines literature that has addressed the question: Are there successful predictors of cochlear implant outcomes in children with auditory neuropathy spectrum disorder (ANSD)? Through a search of the current literature, four studies were included for critical analysis. Study designs included one nonrandomized retrospective cohort study, one nonrandomized longitudinal cohort study, one nonrandomized between groups retrospective study and one case study. Three different potential predictors of cochlear implant success were investigated amongst the studies: Magnetic Resonance Imaging (MRI), Electrocochleography (ECochG) and Genetic mutations (-zIBRGst







ANSD can have a variety of origins i.e. congenital,