

Two ears are better than one

July 28 2014, by Anne Rahilly



Hearing impaired children with two implants do better. Credit: Hearing.com.au

Hearing-impaired children fitted with a second cochlear implant (CI) early in life, have significantly better outcomes in aspects of their communication and learning.

A five-year research study from the University of Melbourne shows that bilateral [cochlear](#) implantation resulted in improved language, social development, and academic outcomes for children.

Lead researcher, Dr Julia Sarant from the Department of Audiology and Speech Pathology said there are improved learning outcomes as well as, community cost benefits and greatly improved quality of life for hearing-impaired children.

"Children in this study with bilateral CIs developed vocabulary and spoken language significantly faster than children with only one CI. This has enormous implications for their long-term future," she said.

Severe-profound congenital hearing loss is a significant cost to society. In 2005, specialised education cost on average \$25,000 per child, loss of productivity cost \$6.7 billion, and social security benefits were paid to approximately 129,000 individuals who were unemployed due to hearing loss.

The study was conducted across Victoria, NSW, Qld, SA, and New Zealand, involving cochlear implant clinics and early intervention centres with over 160 children.

Recently, the NZ Health Department recommended a change of the current federal funding policy in favour of having all hearing-impaired [children](#) under the age of six years fitted with bilateral implants.

"I was asked to consult with policy makers in NZ and I am pleased they have noted these findings and made the appropriate changes," said Dr Sarant.

Provided by University of Melbourne

Citation: Two ears are better than one (2014, July 28) retrieved 11 May 2024 from <https://medicalxpress.com/news/2014-07-ears.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.