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COCHLEAR IMPLANT IN CHILDREN: HEARING AND SPEECH DEVELOPMENT

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To allow hearing is the first aim of cochlear implant but the most desired result by the family and society is oral communication. As soon as hearing is reestablished language development must initiate, but it is not that simple. There is a number of factors such as time of diagnose of deafness, age at implantation, interval between diagnose and cochlear implant surgery, family participation, rehabilitation, individual characteristics (prematurity, Intensive care unit, genetics, other comorbidities) that will determine the speed and quality of language acquisition. A good pre implant evaluation to detect this factors and to help the family to understand the outcomes and the close evaluation of post implant development, having instruments to measure this results comparing the children with itself can optimize treatment planning and enhance performance.

Recent Publications

1. Vassoler TM, Bergonse G. da F, Meira Junior S, Bevilacqua MC, Costa Filho OA (2008) Cochlear implant and large vestibular aqueduct syndrome in children. *Braz J Otorhinolaryngol.* 74(2):260-4.
2. Vassoler TM, Cordeiro ML. (2015) Brazilian adaptation of the Functioning after Pediatric Cochlear Implantation (FAPCI): comparison between normal hearing and cochlear implanted children. *J Pediatr* 91(2):160-7.
3. Ribas, A., Claudia M. M., Cardoso, S., Almeida, G., Riesemberg, R., Ataide, A., Pereira, R., Vassoler, T. M. F. (2017) Implante coclear e qualidade de vida: estudo com

pais e familiares de crianças surdas. *Distúrb Comun*, 29(3): 588-595.

4. Ribas, A., Claudia M. M., Mendes, T., Riesemberg, R., Ataide, A., Pereira, R., Vassoler, T. M. F. (2017) Handling the Naida CI Q70 speech sound processor in pediatric service in the south of Brazil. In: *European Symposium in Paediatric Cochlear implantation (ESPCI)*, 13th, 2017, Lisboa Portugal
5. Ribas, A., Claudia M. M., Mendes, T., Riesemberg, R., Ataide, A., Pereira, R., Vassoler, T. (2017) Objective measures in children users of advanced bionics cochlear implant: Results of a Pediatric service in south Brazil. In: *European Symposium in Paediatric Cochlear implantation (ESPCI)*, 13th, 2017, Lisboa Portugal
6. Claudia M. M., Ribas, A., Mendes, T., Guarinello, A. C., Rosa, M. R. D., Ataide, A., Pereira, R., Vassoler, T. (2017) Escala Brasileira de Desenvolvimento auditivo e de Linguagem (EDAL-1): Curva de Normalidade em Crianças Normo-ouvintes de 0 a 24 meses (in Portuguese). *Arquivos Inter. Otorrinolaringol.* Submitted for publication.

Biography

Trissia Maria Farah Vassoler Otolologist and Paediatric Otorhinolaryngologist, work with cochlear implantations since 2004, and have been studying since then ways to make a better planning of hearing and speech development treatment.

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