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Cochlear Implants: Challenges and Opportunities in Hearing Rehabilitation

Collection Editors:

Dr. Andrea Ciorba

Clinic of Audiology & ENT,
University of Ferrara, Ferrara,
Italy

Dr. Daniele Borsetto

Department of ENT Surgery,
Addenbrookes Hospital,
Cambridge University Hospitals
NHS Foundation Trust,
Cambridge, UK

Message from the Collection Editors

Dear Colleagues,

Cochlear implants represent nowadays a safe and reliable technique for the successful rehabilitation of profound hearing loss either in newborns with congenital deafness, or in children and adults with progressive hearing loss too severe to be treated with conventional hearing aids. Therefore, children can achieve a normal speech and language development in implantation if performed timely and rehabilitation is properly designed, allowing them to be integrated in the regular school systems.

Features of Cochlear Implants are constantly improving. On a side, this is due to Cochlear Implants technological implementations, such as wireless streaming of phone calls or music directly to the implant, or possible interactions with contralateral hearing aid. On the other side, also indications for implantation are changing, including for example patients with single-sided deafness.

This Topical Collection, we welcome papers focusing on the latest technological developments of Cochlear Implants, on indications (single sided deafness or electroacoustic stimulation), on newly surgical procedures, as well as on all the related aspects related to these devices.



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