Special Issue

Innovations in Cochlear Implant Surgery

Message from the Guest Editors

Cochlear implants represent a transformative innovation in the field of auditory prosthetics, offering profound benefits to individuals with severe-to-profound hearing loss. This Special Issue explores recent advancements in cochlear implant surgery, focusing on innovations aimed at enhancing auditory performance and improving user experience. Key developments include electrode array designs optimizing neural stimulation, hearing preservation techniques, drug-eluding electrodes, intraoperative electrophysiological monitoring during implant surgery, and minimal invasive surgery. Moreover, innovations in surgical techniques and rehabilitation strategies have contributed to improved outcomes and expanded access to cochlear implants worldwide. This Special Issue highlights how ongoing research and technological advancements continue to redefine the capabilities and outcomes of cochlear implants, promising a future of even greater inclusivity and efficacy for individuals with hearing impairment.

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