

Solutions to the Inner Ear Problems

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Abstract

The research related to hearing loss has caused a major advance in understanding the mechanisms that govern the development, function and response to injury and aging of the inner ear. The purpose of this paper is to describe the solutions to the problems existing in the inner ear hearing aids, as well as technological advances in research to overcome this problem and develop new more effective hearing implants.

The audio system, is an integral part of the communication system of the human being. In society, oral communication is predominant and an individual with hearing loss can become isolated from it. Technological advances, as well as molecular genetics, have caused a great impact on the study of hearing, their diseases and their treatments. These advances provide a more accurate diagnosis, early intervention and consequently result in better treatments. It can be said, that better understanding of the genetic foundations of the auditory system will enable the development of new therapies for diseases, new implants will more effective and of better quality and even the repair of genetic defects will be possible.

Keywords: Hearing loss; inner ear; hearing problems; technological advances; hearing implants.
