

**Endoscope-assisted cochlear implantation: A case report with a focus on history and comparison of different surgical techniques**

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Cochlear implant (CI) is a surgically implanted neuroprosthesis. The electrodes are directly inserted into scala tympani for patients with sensorineural hearing loss to bypass the usual acoustic stimulation to stimulate the auditory nerve directly. In the effort to avoid mastoidectomy and to embrace minimally invasive surgery, multiple alternative surgical techniques for CI have been described over the years, with endoscope-assisted implantation as one of the latest advancements. Dr. Muaaz Tarabichi, an otorhinolaryngologist in Dubai, popularised endoscope-assisted ear surgery. He published his first paper in 1997, which described the use of endoscopes in managing middle ear cholesteatoma. Currently, rigid endoscope-guided middle ear surgery has gained popularity for cholesteatoma removal and other middle ear surgeries such as stapes surgery, myringoplasty, tympanoplasty, and even cochlear implantation. This paper aims to discuss endoscope-assisted cochlear implantation techniques and discuss their advantages and drawbacks. We describe a case of a 7-year-old boy with post-lingual profound sensorineural deafness who underwent endoscope assisted CI in our centre.

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