

Minimal Incision Cochlear Implantation in Congenital Abnormality: A Case Report

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Abstract : Introduction: Many children with congenital malformation of inner ear have undergone cochlear implant (CI) surgery. The results for cochlear implant surgery in these children are very encouraging and provide a ray of hope for these patients. Objective: The main objective of this presentation is to prove that even in Mondini's deformity Minimal incision cochlear implantation improves cosmesis, reduces post-operative infection and earliest switch on of device. Methods: We report a case of two-year-old child suffering from Mondini's deformity who underwent CI with minimal incision cochlear implantation (MICI). MICI has been developed with the aims of reducing the impact of surgery on the patient without any preoperative shaving of hairs. Results: Patient after surgery with MICI showed better looking postauricular scar, low post-operative morbidity in comparison to conventional wider access approach and hence earliest switch on of device (1st post operative day). Conclusion: We are of opinion that MICI is safe and successful in Mondini's deformity.

Keywords : CI, Cochlear Implant, MICI, Minimal Incision Cochlear Implantation, HL, Hearing Loss, HRCT, High Resolution Computer Tomography, MRI, Magnetic resonance imaging, SCI, Standard cochlear implantation

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