



**Service Priorities and Programmes**  
**Electronic Presentations**

**Convention ID:** 424

**Submitting author:** Dr Pui Yee LO

**Post title:** Resident Specialist, Queen Elizabeth Hospital, KCC

**An overview of cochlear implant in 17 years**

*Dr PY Lo Dr HC Yu Mr Eddie Wong*  
*ENT*

**Keywords:**

cochlear implant  
overview

**Introduction**

The advent of cochlear implant marks a big step in otology. With the implementation of universal newborn hearing screening program in Hong Kong, profound hearing loss in children above 1 year old can be treated early with significant benefit. Besides, recent techniques have made cochlear implant feasible in patients with abnormal cochleae and chronic infected ears. Advocate of bilateral cochlear implant also allows children have near normal language development

**Objectives**

1) to review cochlear implant cases since 1996 2) to discuss complicated surgery in cochlear implant 3) to introduce recent guideline for selection potential candidates for cochlear implantation

**Methodology**

The cases of cochlear implant were reviewed retrospectively. The patient's age ranged from 12 months to 80 years old with profound hearing loss. Most of the cases received post-operative evaluation including speech recognition score. Subjects were classified into normal and abnormal cochleae. Moreover, complicated cases are discussed in details.

**Result**

Around 300 patients received cochlear implants since 1996. 98% had normal cochleae and 2% had abnormal one. Most of the patients had uneventful surgery and got satisfactory performance post-operatively.