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Abstract

Objectives: To analyze the complications related to flap around implants after cochlear implantation, including hematoma around implants, seroma around implants, flap infection, flap necrosis and wound infection and explore the causes of such complications and corresponding medical treatments.

Methods: We performed a retrospective analysis of all deaf children to whom complications related to flap around implants occurred after undergoing cochlear implantation in our department from 2005 to 2016.

Results: Among 1500 cochlear implantation (CI) recipients by the same surgeon, 20 had hematoma around implants, 15 had hydrops around implants, among which 10 recovered 2 weeks later after drainage, antibiotics and pressure dressings in early stage, 5 didn't get better, but had flap necrosis (both had contralateral reimplantation). 4 had abscess around implants, 2 recovered 2 weeks later after drainage, irrigation with gentamicin and antibiotics, 2 had flap necrosis and both had contralateral reimplantation. 2 had flap necrosis.

Conclusions: After drainage, pressure dressings and antibiotics in early stage, hydrops around implants can be controlled effectively. If hydrops recur for more than two weeks and patients didn't get better, perhaps the hydrops have to be drained.

Keywords: Cochlear implant; Complication ; Flap-related problem;

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