

Tilmelding af Foredrag

Foredragets titel

Cochlear implantation in Branchiootorenal syndrome – case report and review of the literature

Forfatter(e)

L. Tian (1), N. West (1), P. Cayé-Thomasen (1,2)

Afdeling/praksis

1. Department of Otorhinolaryngology Head & Neck Surgery and Audiology, Rigshospitalet, University Hospital of Copenhagen, Copenhagen Ø, Denmark,
2. Faculty of Health and Medical Sciences, University Hospital of Copenhagen, Copenhagen Ø, Denmark

Uddannelsesniveau

L. Tian: MD

N. West: MD, PhD

P. Cayé-Thomasen: MD, DMSc

Introduktion

Management of Branchiootorenal syndrome (BOR) remains largely symptomatic. The most common consequence of BOR is hearing loss, where conventional hearing aids provide limited benefit. Cochlear implants (CI) for BOR-associated hearing loss is an emerging treatment. Literature on adult cases remain limited.

This paper is the first to present an adult BOR patient case receiving bilateral CI, including pre- and postoperative objective and subjective hearing outcomes. An overview of reported cases of CI in BOR/BO patients is given.

Materiale/metode

A review of the case patient's medical charts from initial visit at our tertiary center to latest follow-up was conducted. A search of the Medline database resulted in four papers on cochlear implantation in BOR/ BO patients, forming the basis of a literature review on this topic.

Resultater

Excellent hearing outcomes were achieved after bilateral CI despite the patient's inner ear malformation.

Diskussion

The case patient's outcomes were, remarkably, comparable to results reported for unselected adult, non- syndromic CI-recipients with normal inner ear anatomy.

BOR patients experiencing insufficient benefit from conventional hearing aids should be considered for cochlear implantation.

Forfatters fulde navn

Luchen Tian, Niels West, Per Cayé-Thomasen

Forfatters email

tian.mimimimi@gmail.com