

deCibel



Vedrørende bineural cochlear implantation

Decibel mener;

- at alle børn skal tilbydes bineural implantation i forbindelse med den første operation
- at CI-centrene skal lave en individuel vurdering af muligheden for bagudrettet implantation for de børn, der allerede er implanteret på det ene øre. Dette skal ske i samarbejde med forældrene.

deCibel er forældreforeningen for familier til børn med cochlear implantat (CI). Foreningen har ca. 190 medlemsfamilier. Læs mere på www.decibel.dk.

I 1993 fik det første barn et cochlear implantat indsat.
Over 300 børn er implanteret på landets CI-centre.

I dag tilbydes alle døvfødte børn at blive cochlear implanteret på et øre. Børn, der bliver døve som følge af meningitis og Morbus Usher børn, bliver tilbudt operation på begge ører.

I Sverige og Norge er bineural (dobbeltsidet) implantation standard!
I Norge siden 2004. Rikshospitalet, overlæge Steen Harris.
I Sverige siden 2003, Karolinska Universitetssjukhuset, overlæge Eva Karlforp.
Både Norge og Sverige tilbyder også bagudrettet implantation.

Undersøgelser:

Vedlagt litteraturliste med undersøgelser om emnet.
Se desuden www.pubmed.com.

Summary fra tysk undersøgelse. Der indgår 38 børn i undersøgelsen og den er dermed en af de største undersøgelser med bineuralt implanterede børn.

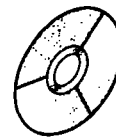
Presented at the 10th Symposium on Cochlear Implants In Children

Author(s): J.Mueller, S.Brill, F.Schon, and J.Helms

Title: Bilateral cochlear Implants

Summary: "Since 1996, 107 patients have been implanted bilaterally. Numerous patients participated in different studies to compare speech reception and sound localisation abilities in bilateral and unilateral Implants. We concluded that users of bilateral cochlear Implants benefit from all effects that are known from normal hearing subjects: head shadow effect, squelch effect and bilateral summation. Psychophysical tests show that bilateral cochlear implant users have access to Interaural time and level differences. Our data in bilateral Implants children show bilateral implantation improves children's communication behaviours, especially in complex listening situations. Children examined with a speech test in quiet as well as noise scored significantly higher under the bilateral condition compared to the better hearing single ear. Integration of the second implanted side and use of binaural Information was found to be easier and faster in children with a short lag between implants."

Organization: University of Wuerzburg
e-mail: joachim.m@mail.uni-wuerzburg.de



Litteraturliste:

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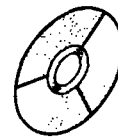
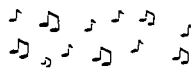
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