Parametric cochlear implant map adjustment by implant recipients.

No registrations found.

Ethical review	Positive opinion
Status	Suspended
Health condition type	-
Study type	Interventional

Summary

ID

NL-OMON23285

Source
NTR

Brief title
PCIMAR

Intervention

Outcome measures

Primary outcome

Speech perception scores after recipients tried to optimize their own maps in combination with subjective questionnaire and log of button presses.

Secondary outcome

N/A

Study description

Background summary

In 20 adult cochlear implant recipients we measure speech perfomance using the parametric fitting procedure and the recipient's own adjustment in a newly designed speech processor and compare it with the parametric fitting without adjustments.

Study objective

Speech understanding with a speech processor fitted using the parametric fitting procedure and the recipient's own fine-tuning is as good as with a conventional fitting. The parametric fitting is more patient friendly and less time-consuming.

Study design

N/A

Intervention

Temporary use of a newly designed speech processor. Twenty cochlear implant patients receive an experimental speech processor, with which they can manually adjust the parameters 'shift' and 'tilt' of the C levels.
For the first 3 weeks they get an ECAP-based fitting in the new processor, without the possibility to make adjustments.
Speech perception tests are performed with the conventional and the ECAP-based fitting.
The last 3 weeks patients can adjust their fitting. This period is followed by speech perception tests with the non-adjusted and the adjusted ECAP-based fitting.

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Eligibility criteria

Inclusion criteria

Adult cochlear implant (Nucleus 24R) receivers with 3-9 months experience with their implant.

Exclusion criteria

Inability to comply with the study follow-up, failure to obtain written consent, speech understanding too poor to perform the speech perception tests.

Study design

Design

Study type:	Interventional
Intervention model:	Other
Allocation:	Non controlled trial
Masking:	Open (masking not used)
Control:	Active

Recruitment

NL

Recruitment status:	Suspended
Start date (anticipated):	18-12-2003
Enrollment:	20
Type:	Anticipated

Ethics review

Positive opinion

Date:	12-09-2005

Application type: First submission

Study registrations

Followed up by the following (possibly more current) registration

No registrations found.

Other (possibly less up-to-date) registrations in this register

No registrations found.

In other registers

Register	ID
NTR-new	NL452
NTR-old	NTR492
Other	: N/A
ISRCTN	ISRCTN wordt niet meer aagevraagd

Study results

Summary results
N/A