Parametric cochlear implant map adjustment by implant recipients.

Gepubliceerd: 12-09-2005 Laatst bijgewerkt: 18-08-2022

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.

Ethische beoordeling	Positief advies
Status	Werving tijdelijk gestopt
Type aandoening	-
Onderzoekstype	Interventie onderzoek

Samenvatting

ID

NL-OMON23285

Bron
NTR

Verkorte titel
PCIMAR

Onderzoeksproduct en/of interventie

Uitkomstmaten

Primaire uitkomstmaten

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

Toelichting onderzoek

Achtergrond van het onderzoek

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.

Doel van het onderzoek

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.

Onderzoeksopzet

N/A

Onderzoeksproduct en/of interventie

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.

Contactpersonen

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Deelname eisen

Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

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

Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

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

Onderzoeksopzet

Opzet

Type:	Interventie onderzoek
Onderzoeksmodel:	Anders
Toewijzing:	N.v.t. / één studie arm
Blindering:	Open / niet geblindeerd
Controle:	Geneesmiddel

Deelname

Nederland

Status:	Werving tijdelijk gestopt
(Verwachte) startdatum:	18-12-2003
Aantal proefpersonen:	20
Type:	Verwachte startdatum

Ethische beoordeling

Positief advies

Datum:	12-09-2005
Soort:	Eerste indiening

Registraties

Opgevolgd door onderstaande (mogelijk meer actuele) registratie

Geen registraties gevonden.

Andere (mogelijk minder actuele) registraties in dit register

Geen registraties gevonden.

In overige registers

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

Resultaten

Samenvatting resultaten
N/A