

(Functional) Magnetic Resonance Imaging of the brain in patients with tinnitus.

No registrations found.

Ethical review	Positive opinion
Status	Recruitment stopped
Health condition type	-
Study type	Observational non invasive

Summary

ID

NL-OMON20580

Source

NTR

Brief title

UMSAT

Health condition

Tinnitus, fMRI, 7T, subcortical, auditory
oorsuizen, fMRI, 7T, subcorticaal, auditief

Sponsors and support

Primary sponsor: Maastricht University Medical Center

Source(s) of monetary or material Support: SWOL (Stichting Wetenschappelijk Onderzoek Limburg)

Intervention

Outcome measures

Primary outcome

The main study endpoint will be the tonotopic map in auditory brainstem structures including

the cochlear nucleus complex up to the inferior colliculus.

Secondary outcome

1. fMRI activity in auditory brainstem structures;
2. Structural (volumetric) measurements in auditory brainstem structures.

Study description

Background summary

The present study is a pilot study in ultra-high field fMRI of subcortical auditory structures in patients with tinnitus.

Study objective

The underlying mechanism of tinnitus is tonotopic reorganisation of subcortical auditory areas.

Study design

N/A

Intervention

N/A

Contacts

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Eligibility criteria

Inclusion criteria

The main inclusion criterion of the tinnitus group is pure tone-, unilateral-, chronic- and subjective tinnitus which is longer present than 6 months. Age \geq 18 years.

Exclusion criteria

Exclusion criteria are: Fletcher Index $>$ 50 dB HL for both ears, difference in average hearing threshold of more than 10 dB between left and right ear, hyperacusis, phonophobia, misophonia, neurological-, neurosurgical- and psychiatric history, use of dopaminergic drugs since this medication greatly influence the fMRI scans, current treatment of tinnitus and implanted devices or other metal objects that are not suitable for MRI.

Study design

Design

Study type: Observational non invasive

Intervention model: Parallel

Allocation: Non controlled trial

Control: N/A , unknown

Recruitment

NL

Recruitment status: Recruitment stopped

Start date (anticipated): 01-09-2013

Enrollment: 14

Type: Actual

Ethics review

Positive opinion

Date: 23-04-2013

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	NL3797
NTR-old	NTR3970
Other	NL44760.068.13 : 44760 ABR
ISRCTN	ISRCTN wordt niet meer aangevraagd

Study results