Effect of early intervention for permanent childhood hearing impairment on outcome at secondary school age

Submission date	Recruitment status No longer recruiting	Prospectively registered		
22/03/2011		☐ Protocol		
Registration date	Overall study status	Statistical analysis plan		
24/03/2011	Completed	[X] Results		
Last Edited	Condition category	Individual participant data		
12/04/2018	Ear, Nose and Throat			

Plain English summary of protocol

Not provided at time of registration

Contact information

Type(s)

Scientific

Contact name

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Additional identifiers

Protocol serial number 9804

Study information

Scientific Title

Effect of early intervention for permanent childhood hearing impairment on outcome at secondary school age: a non-randomised observational study

Acronym

Hearing Outcomes in Teenagers

Study objectives

A follow up study of teenagers with hearing impairment and a comparison group of normally hearing teenagers, who participated in the first phase of this research in 2002-2004. This study will explore the impact of screening for hearing impairment at birth, and early confirmation of hearing impairment, on speech, language, behavioural, social and educational outcomes in the teenagers with hearing impairment.

Ethics approval required

Old ethics approval format

Ethics approval(s)

Southampton and South West Hampshire REC (A),14th September, ref: 201010/H0502/71

Study design

Non-randomised observational study

Primary study design

Observational

Study type(s)

Prevention

Health condition(s) or problem(s) studied

Permanent childhood hearing impairment

Interventions

The participants will complete questionnaires and standardised tests assessing their receptive and expressive language, reading comprehension and accuracy, non-verbal intelligence, quality of life, health, everyday behaviour, and theory of mind. This will be supplemented by information from their parents regarding their adaptive behaviour, quality of life, health, everyday behaviour, speech, economic costs and demographic factors. A subset of participants will also provide information on their social functioning through a semi-structured interview. Outcomes on these measures for early- and late-identified deaf teenagers will be compared, and data from the previous phase of this research will be used to look at speech, language and literacy outcomes longitudinally.

Intervention Type

Other

Phase

Not Applicable

Primary outcome(s)

Reading comprehension-Single testing session

Key secondary outcome(s))

Questionnaires and standardised tests to assess:

- 1. Receptive and expressive language
- 2. Quality of life, health, everyday behaviour and theory of mind

Completion date

01/08/2012

Eligibility

Key inclusion criteria

- 1. Male & Female, upper age limit 18 years, lower age limit 13 years
- 2. One of the children with bilateral permanent childhood hearing impairment (PCHI) > 40 dB in the 1992-1997, Wessex and Greater London birth cohort of 157,000 that was previously invited to take part in the Hearing Outcomes Project
- 3. One of the comparison group of children with normal hearing from the same birth cohort who were previously invited to take part in the Hearing Outcomes Project

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Child

Lower age limit

13 years

Upper age limit

18 years

Sex

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Key exclusion criteria

- 1. Severe, active illness precluding participation in this project
- 2. A known post-natal cause of the PCHI (e.g. meningitis)

Date of first enrolment

01/02/2011

Date of final enrolment

01/08/2012

Locations

Countries of recruitment

United Kingdom

England

Study participating centre Mailpoint 806 Southampton United Kingdom SO16 6YD

Sponsor information

Organisation

Southampton University Hospitals NHS Trust (UK)

ROR

https://ror.org/0485axj58

Funder(s)

Funder type

Research council

Funder Name

Wellcome Trust (UK) (grant ref:no:089251/Z/09/Z)

Alternative Name(s)

Funding Body Type

Private sector organisation

Funding Body Subtype

International organizations

Location

United Kingdom

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summaryNot provided at time of registration

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Results article	results	01/01/2016		Yes	No
Results article	results	24/02/2018		Yes	No
HRA research summary			28/06/2023		No
Participant information sheet	Participant information sheet	11/11/2025	11/11/2025	No	Yes