

# Anne Davies



# AUDIOLOGY



# COURSES

The **4<sup>th</sup>**

## Paediatric Hearing Aids: A Refresher Course

An Introduction / Update on Clinical Skills for Paediatric Habilitation

Tuesday 16<sup>th</sup> - Thursday 18<sup>th</sup> April 2024

## Course Programme



## Tuesday 16<sup>th</sup> April 2024

from 8.30	<b>Arrival and Coffee</b>
9.00	Welcome and Introduction
9.15	Family Centred Care
10.00	Difference between Adults and Children
10.35	Introduction to Prescription Formulae
11.00	<b>Break</b>
11.15	Introduction to RECD / REAR Theory
12.20	Real-world RECD, including video and quiz
12.45	<b>Lunch</b>
1.45	Strategies for Testing
2.20	Hearing Aid Provision with Limited Threshold Information
3.10	<b>Break</b>
3.25	Evaluation of Hearing Aids using Speech Testing
4.15	Automatic Verification of Paediatric Fittings with TargetMatch
4.45	Discussion & Questions
5.00	<b>End of Day One</b>
6.00	<b>Evening meal, in the hotel restaurant</b>

## Wednesday 17<sup>th</sup> April 2024

8.45	<b>Coffee</b>
9.00	Outcome Measures / Questionnaires
10.05	Remote Microphones and Wireless Accessories
10.50	<b>Break</b>
11.05	Roger™ System
11.40	Communicating with Parents, Children and Young People
12.30	<b>Lunch</b>
1.30	Introduction to Complex Cases
2.20	Issues after Fitting
3.10	<b>Break</b>
3.25	Multi-Disciplinary Teams
3.55	Transition Services
4.40	Discussion & Questions
5.00	<b>End of Day Two</b>
	<b>No evening meal provided, please make your own arrangements</b>

## Thursday 18<sup>th</sup> April 2024

9.00	<b>Coffee</b>
9.15	<b>WORKSHOP</b> (Phonak & Roger, Oticon & EduMic, GN Hearing, Natus, Interacoustics & WS Audiology)
12.30	<b>Lunch</b>
1.30	Planning the Hearing Aid Fitting & Review
3.05	Closing Plenary Session
3.40	<b>End of Course</b>



## Course Content

### Family Centred Care

The principles of family centred care, how to implement these principles into giving a diagnosis of hearing loss to a family, and building a systemic whole person approach to assessment and treatment.

### Difference between Adults and Children

What makes them different and how does that apply to the child, family and ultimately their hearing aids?

### Introduction to Prescription Formulae

A brief history of how the NAL and DSL teams derive their formulae, and discussions around proprietary fitting rules.

### Introduction to RECD / REAR Theory

The selection of appropriate parameters in the prescriptive rule and fitting software and the individualisation of the approach through the use of measures such as the Real Ear to Coupler Difference (RECD).

### Real-World RECD

Tips and troubleshooting RECD in the clinic.

### Strategies for Testing

How to get the most from a testing session to ensure the best possible hearing aid set-up.

### Hearing Aid Provision with Limited Threshold Information

Practical considerations when there may be limited or incomplete threshold information. The availability and uncertainty of Auditory Brainstem Response and Behavioural Audiometry thresholds and guidance on how they should be employed.

### Evaluation of Hearing Aids using Speech Testing

Introducing resources to use as validation tools for monitoring and assessment of functional outcomes of your fittings.

### Automatic Verification of Paediatric Fittings with TargetMatch

TargetMatch is an automated evidence-based alternative to probe microphone measurements developed by Phonak and Natus, which results in more accurate matching to target and greater test-retest reliability.

### Outcome Measures / Questionnaires

An introduction to the range of outcome measures used to assess hearing aid benefit in children with a particular focus on questionnaires. Including why and when we use these and how these might guide hearing aid management along with some case examples to work through and group activities.

### Remote Microphones and Wireless Accessories

A brief introduction to which devices are out there and when to fit them.

### Roger™ System

An introduction to Phonak's Roger™ technology and an overview of the connectivity options.

### Communicating with Parents, Children and Young People

Communication skills scenarios and explanation particularly related to hearing aid fitting and reviews. This will include discussion on individual management plans. Group work using case studies and examples.

### Introduction to Complex Cases

The principles of Speech Mapping, atypical hearing dysfunctions, and guidance on red flagging cases needing referral.

### Issues after Fitting

Addressing the needs of children wearing and managing hearing devices following fitting, including maintenance and earpieces; understanding the issues for older children around compliance and helping them in dealing with this. Case studies included.

### Multi-Disciplinary Teams

How best outcomes are shaped by Multidisciplinary teams in paediatric hearing care, the current practice and role of Education teams, and the importance of communication between hearing care professionals.

### Transition Services

Transitioning from the paediatric to the adult service can be a daunting proposition - how can we make this as smooth a process as possible for our patients.

### Planning the Hearing Aid Fitting & Review

Why we plan the session. Examples of case studies and planning for hearing aid fitting and reviews, and specific considerations for children.

## Course Faculty

### Georgie Swainson

Clinical Scientist,  
Sheffield Children's Hospital NHS FT, Sheffield

### Dr Greg Nassar

Consultant Clinical Scientist  
Head of Audiology Services  
Trafford Hospitals,  
Manchester University NHS FT, Manchester

### Nicole da Rocha

Speech Therapist and Audiologist  
Customer Engagement Specialist UK & IE  
Advanced Bionics AG

### Kathryn Woolley

Head of Audiology (retired),  
Bolton

### Kathryn Lewis

Head of Audiology,  
Withington Community Hospital,  
Manchester University NHS FT, Manchester

### Ed Brown

Consultant Clinical Scientist  
Head of Audiology (retired)  
Sunderland

### Graham Hilton

Director of Audiology,  
Phonak UK

### Tony Murphy CEng MIET

Wireless Communications Specialist,  
Phonak UK

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