



**Strengthening Pathways.
Securing Futures.**

**10th Australasian
Newborn Hearing
Screening Conference**

RACV Royal Pines Resort | Gold Coast
Queensland | Australia
21 - 22 March 2019



Australasian Newborn
Hearing Screening
Committee



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INVITED SPEAKER SPONSOR - Dr Tim Moore

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Australia

2019 Exhibitors



Welcome

On behalf of the Australasian Newborn Hearing Screening Committee (ANHSC), welcome to the Gold Coast and the 10th Australasian Newborn Hearing Screening Conference.

The history of this conference is inexorably linked with the history of Newborn Hearing Screening in Australia. The first of these conferences, in Adelaide in 2001, gave rise to the National Consensus Statement on Newborn Hearing Screening which was a very significant part of the lobbying effort to introduce programs of UNHS in Australia. Since that time, the Australasian Newborn Hearing Screening Conference, as we now know it, has served to showcase best practice in newborn hearing screening and related services and has played an important role in the development of such programs across Australia and New Zealand. The ANHSC is proud that the Conference continues to play a role in ensuring that standards of coverage and standards of quality in the delivery of screening and associated services around Australasia are maintained and continuously improved.

To date, each Conference has brought together the broad spectrum of people involved in the field of newborn hearing screening from across Australia and New Zealand. In addition, key-note presenters from around the world have made great contributions. This conference is no exception. Our featured speakers at this conference continue a great tradition of eminent national and international contribution to our deliberations. We are delighted to welcome Prof. Anne Marie Tharpe from the Department of Hearing and Speech Sciences at Vanderbilt University School of Medicine in the United States, Dr Teresa Ching of the National Acoustic Laboratories in Sydney, and Dr Tim Moore from the Centre for Community Child Health at the Murdoch Children's Research Institute in Melbourne.

The staging of ten conferences of this type is a noteworthy achievement. Like each of the previous nine conferences, this meeting provides the opportunity to strive for best practice by sharing information and experiences. The Gold Coast Conference organizing team comprising Rachael Beswick, Lauren McHugh, Kim Eaton,

Suzanne Harris, and Delene Thomas deserve our thanks for their efforts in the organization of this conference. Similarly, the Program Committee comprising Zeffie Poulakis, Rachael Beswick, Ann Porter, Kirsty Gardner-Berry, Alison King, Bianca Liersch, and Samantha Everitt also deserve great credit for their development and delivery of an exciting and comprehensive conference program. Finally, our thanks go to Kate Smith, Nikia Shaw and the team at Conference Design for their efforts in ensuring the smooth and professional running of this event.

Prof. Greg Leigh, AO

Chair, Australasian Newborn Hearing Screening Committee

The Australasian Newborn Hearing Screening Committee

a Sub-Committee of Deafness Foundation

The ANHSC seeks to promote the availability and quality of programs for the early detection of permanent childhood hearing impairment, and associated intervention, for all children in Australia and New Zealand.

Specifically, the ANHSC aims:

1. To promote the establishment of high quality screening programs for the early detection of permanent childhood hearing impairment throughout Australia and New Zealand.
2. To promote accessible and appropriate assessment, both audiological and medical, for all children who are identified by those screening programs.
3. To promote the availability, accessibility and quality of immediate and ongoing intervention for all children identified with permanent hearing impairment in Australia and New Zealand.
4. To promote the availability and quality of immediate and appropriate information and support for all parents of children identified with permanent hearing impairment in Australia and New Zealand with a view to supporting their independent decision making regarding assessment and/or intervention in regard to their child's hearing.
5. To promote the establishment of a national database of permanent childhood hearing impairment, covering severity, aetiology, age of onset and manner of detection, in every state, territory or health region of Australia, for the monitoring of outcomes and epidemiology to inform research and service provision.
6. To develop and promote the adoption of appropriate models, standards and protocols for high quality early detection and intervention for permanent childhood hearing impairment.
7. To advocate for the appropriate evaluation of processes and outcomes for all the above.
8. To promote research into the delivery and outcomes of early detection and intervention for permanent childhood hearing impairment in Australia and New Zealand.

9. To facilitate discussion and sharing of experience among those concerned with early detection and intervention for permanent childhood hearing impairment in Australia and New Zealand through a variety of means, but particularly through the staging of a biennial conference.

The Committee consists of members from every state and territory in Australia, as well as representatives from New Zealand. Committee members cover a number of elements of early detection process including program administration and management, parents, audiology, paediatrics, otorhinolaryngology, habilitation, and early intervention/education (see www.newbornhearingscreening.com.au).

Australasian Newborn Hearing Screening Committee Members

Armajit Anand (NT)

Karen Liddle (QLD)

Christina Baxter (WA)

Bianca Liersch (SA)

Rachael Beswick (QLD)

Moira McLeod (NZ)

Michelle Chacksfield (TAS)

Elizabeth Peadon (NSW)

Suzie Costello (WA)

Ann Porter (NSW)

Michelle Courts (SA)

Zeffie Poulakis (Secretary) (VIC)

Fran Freeman (ACT)

Jo Quayle (VIC)

Kirsty Gardner-Berry (NSW)

Lara Shur (WA)

Alison King (VIC)

Valerie Sung (VIC)

Greg Leigh (Chair) (NSW)

General Information

Conference Venue

RACV Royal Pines Resort
Ross Street
Benowa, QLD 4217
Australia

Conference Attire

Dress for the conference and social functions is smart casual

Special Requirements

Every effort has been made to ensure delegates with special requirements are catered for.

Should you require any assistance please see us at the registration desk

Registration

Thursday 0730 -1740
Friday 0800 -1635

Exhibition Times

The exhibition area will be open to conference delegates at the following times:

Thursday 0730 -1740
Friday 0800 -1635

Internet

WiFi
SSID: RACV Conference
Password: R@CV2019

Queensland Healthy Hearing Program



Free newborn hearing screening
to all babies born in
Queensland hospitals.



Keynote Speakers

Dr. Anne Marie Tharpe PhD

Dr. Anne Marie Tharpe is Professor and Chair, Department of Hearing and Speech Sciences, Vanderbilt University School of Medicine in Nashville Tennessee.

The primary research emphasis in her laboratory has been in furthering our understanding of the developmental impact of hearing loss on young children. This work has been done by examining questions of behavioral indices of attention, environmental exploration, and academic outcomes.

More recently, work has focused on the impact of hearing technology interventions and the sleep patterns in those with hearing loss.

Dr. Tharpe has published extensively in national and international professional journals, has published numerous books and book chapters, and has presented to over 250 audiences around the world on pediatric audiology issues.

She is co-editor with Dr. Richard Seewald of *The Comprehensive Handbook of Pediatric Audiology*, 2nd edition, which was published in 2016.



Keynote Speakers

Dr. Teresa Y.C. Ching PhD

Dr Teresa Y.C. Ching, PhD is Head of Communication Sciences Department and Pediatric Hearing Impairment research at the National Acoustic Laboratories in Australia.

Her current research focuses on investigating the efficacy of early hearing aid fitting or cochlear implantation for populations of children with hearing loss and determining factors influencing outcomes; evaluation of sound detection and discrimination in infants with hearing loss or auditory neuropathy spectrum disorder using cortical measurements and parental reports; and prescription of hearing aids and electric-acoustic stimulation (bimodal fitting) for children and adults.

Teresa is leading longitudinal, population-based studies that examine the outcomes of children with bilateral or unilateral hearing loss. She has published more than 120 peer-reviewed manuscripts. She is regularly invited to deliver keynote presentations at international conferences.

Teresa serves on the editorial boards of international journals.



Her research interest and experience encompass many aspects of hearing rehabilitation for children and adults with hearing loss: bimodal hearing, electric-acoustic stimulation, cochlear implantation candidacy and outcomes, amplification requirements, speech intelligibility, psychoacoustic abilities, and evaluation methods for children.

Her current research focuses on evaluating the efficacy of early intervention for improving outcomes of children with bilateral or unilateral hearing loss.

Keynote Speakers

Dr. Tim Moore
B.A., Dip.Ed., Ph.D., M.A.P.S.

Dr Tim Moore is a Senior Research Fellow at the Centre for Community Child Health (CCCH) at the Murdoch Children's Research Institute, The Royal Children's Hospital, Melbourne.

He heads a small team with responsibility for monitoring, reviewing and synthesising research literature on a wide range of topics relating to child development, family functioning and service systems.

He has been the principal writer on numerous Centre for Community Child Health reviews, reports and policy briefs.

Tim trained as a teacher and psychologist at the University of Melbourne, subsequently completing his Doctoral studies at the University of Surrey on self esteem and self-concept in children. He has worked as an educational and developmental psychologist for over 30 years, both in Australia and England.

He has worked in a variety of settings, including managing a state-wide early childhood intervention program for hearing impaired children.

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Tim has taken a leading role nationally in the development of policy and training in the early childhood intervention field. He has been based at CCCH since 2000.

A full list of Tim's publications and presentations can be found at:

www.rch.org.au/uploadedFiles/Main/Content/ccchdev/tgm_key-work-areas-publications_2000-2018.pdf



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A floor plan diagram showing the layout of the Royal Benowa Ballroom and Foyer. The ballroom is a large blue rectangular area divided into two sections: 'MONARCH' on the left and 'MARQUIS' on the right, separated by a vertical dashed line. Below the ballroom is the 'ROYAL BENOWA FOYER', a light grey area with a curved bottom edge. The foyer contains several black dots representing lights or pillars and a staircase on the right side. The top of the diagram shows architectural details of the building's roof and structure.

ROYAL BENOWA BALLROOM

MONARCH

MARQUIS

ROYAL BENOWA FOYER

e Posters

No.	Title	Presenter
1	Is brain development with respect to auditory pathways faster in utero or outside utero?	Henrica (Irma) Van Straaten
2	Eighteen year quality assurance of newborn hearing screening in Dutch neonatal intensive care units	Henrica (Irma) Van Straaten
3	Implementation of an audiology-led paediatric clinic, combating lengthy ENT waiting times; outcomes from the Gold Coast University Hospital ENT-Allied Health Primary Contact Service.	Jennifer Eakin
4	Beyond Unilateral Hearing Loss (UHL) Diagnoses and Parental Grief	Lara Shur
5	Newborn Hearing Screening training and competencies: a dedicated and effective approach	Lara Shur
6	Can a partnership really work?	Suzie Costello
7	Keeping staff connected 700km apart	Helen Burton
8	Family Violence is a health issue: UNHS response to family violence in Victoria.	Julie Castro

Program

Thursday 21st March 2019

0730 - 0830 Registration Desk Open

Opening Session (Plenary Session 1)

Chair: Greg Leigh

Room Prince

0830 - 0845 **Welcome to Country**
Craig Williams *Descendant of Jackey-Jackey, King of Logan-Pimpama*
Conference Opening
Greg Leigh, AO

0845 - 0850 Sponsor Address - Scanmedics

0850 - 0950 **Keynote Address:**
Unilateral Hearing Loss in Children: Past, Present and Future
Anne-Marie Tharpe, PhD

0950 - 1020 Morning Tea

CONCURRENT SESSIONS 1

Aetiologies

Chair: Joanne Quale

Mild/UHL

Chair: Kirsty Gardner-Berry

Rooms Prince

Jacaranda + Karrie Webb

1020 - 1040 *A population study of exome sequencing in congenital hearing impairment.*
Lilian Downie

What does the Australian Hearing national data-base tell us about children who have received amplification for mild or unilateral hearing loss?
Alison King

1045 - 1105 *Australian guidelines on investigations for childhood hearing loss*
Valerie Sung

Audiologists perceptions and experiences of managing young children with mild hearing loss and their families: A qualitative study
Nerina Scarinci

1110 - 1130	<i>High incidence of hearing impairment in single neonatal unit</i> Tammy Brinsmead	<i>Mild Matters: Insight into the conoundrums of managing mild hearing loss</i> Jing Jing Lin
1135 - 1155	<i>What are the causes of congenital hearing loss at a population level in Queensland?</i> Karen Liddle	<i>Academic, behavioural and quality of life outcomes of children with slight to mild hearing loss: A population - based study</i> Jing Wang
1200 - 1220	<i>Lessons we have learnt from working with complex children after diagnosis of infant hearing loss.</i> Elizabeth Peadon Deepali Trackroo	<i>It's a grey area: The factors influencing audiologists' management of children with mild bilateral hearing loss</i> Patricia Van Buynder
1220 - 1320	Lunch	

CONCURRENT SESSIONS 2

Unilateral Hearing Loss Panel Presentation

Prince Room | Chair: Kirsty Gardner-Berr

1320 - 1420	<i>Emerging evidence from the Children with Unilateral Hearing Loss (CUHL) study</i> Panel Chair: Teresa Y.C. Ching, PhD	
	CMV Chair: Zeffie Poulakis	Informed decision making Chair: Valerie Green
Room	Prince	Jacaranda + Karrie Webb
1425 - 1445	<i>Can we use evidence to align congenital cytomegalovirus (CMV) infection diagnosis and management practice in infants with hearing loss across tertiary children's hospitals in NSW?</i> Elizabeth Peadon	<i>What matters to you? Person centred care when transitioning families from universal newborn hearing screening programs to audiology services.</i> Julie Castro

1450 - 1510	<i>HearS-cCMV: pilot feasibility and cost-effectiveness of targeted congenital cytomegalovirus screening</i> Valerie Sung	<i>Are practices that promote effective decision-making in clinical settings being used when parents make decisions regarding their child who is D/HH?</i> Ann Porter
1515 -1535	<i>CMV screening in Queensland four years on: lessons learnt</i> Lauren McHugh Rachael Beswick	<i>Exploring bias in decision-making – what does this mean for parents and professionals?</i> Ann Porter

1535 - 1605 Afternoon Tea

CONCURRENT SESSIONS 3

	Risk Factors	Telepractice & professionals with lived experience	Medical Workshop
	Chair: Rachael Beswick	Chair: Lia Traves	
Rooms	Prince	Jacaranda + Karrie Webb	Norfolk Room
1605 -1625	<i>The relationship between pattern of newborn hearing screening test results and infant diagnostic audiological assessment results.</i> Peter Carew	<i>“Should my family receive early intervention via telepractice or in-person?” – A pilot study of a decision aid to assist families in making this choice</i> Monique Waite	<i>Hearing it in the genes</i> Fran Maher Valerie Sung Lilian Downie Elly Lynch

CONCURRENT SESSIONS 3

1630 -1650	<p><i>Do Neonatal Hearing Screening Results and Risk Factors Predict a Hearing Loss Diagnosis? 10 Years of Evidence from a Universal Newborn Hearing Screening Program Database.</i></p> <p>Jane Fitzgibbons</p>	<p><i>Caregivers' perceived and actual levels of involvement: A comparison of telepractice and in-person early intervention settings</i></p> <p>Melissa McCarthy</p>
1655 -1715	<p><i>The relationship between permanent hearing loss risk indicators and diagnostic audiology assessment results among infants referred on a newborn hearing screen</i></p> <p>Jonathan Hall</p>	<p><i>Bringing the personal experience to the professional – What happens when those impacted by hearing loss actually run the supports and services for others.</i></p> <p>Roz Keenan Stacey Johnson Julian Scharf Ashleigh Wallach</p>
1720 - 1740	<p><i>Hearing pathways for children with a syndrome or craniofacial abnormalities: A Queensland Review.</i></p> <p>Philippa Horn</p>	

1740

Close of Day 1

1745 -1945 **Cocktail Function** Drinks and Canapes

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Friday 22nd March 2019

0800 - 0830 Registration Desk Open

Plenary Session 2

Chair: Greg Leigh

Room Prince

0830 -1000 *The first 1000 days: why they matter and what they mean for us*
Tim Moore, B.A., Dip.Ed., Ph.D., M.A.P.S.

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1000 - 1030 Morning Tea

CONCURRENT SESSIONS 4

	Audiology Chair: Rachael Beswick	Screening Chair: Lia Traves	Early Intervention Chair: Lauren McHugh
Rooms	Prince	Karrie Webb	Jacaranda
1030 - 1050	<i>Quality and improvement: How well are we doing in the diagnostic process?</i> Florecia Montes	<i>It's not me, it's the equipment... or is it? Testing perceptions using data.</i> Larissa Ralph	<i>Expressive language in a population cohort of two-year-old children with hearing loss</i> Peter Carew
1055 - 1115	<i>Testing hearing in newborns "early" – does it make a difference to audiology process and outcome?</i> Alison Jagger	<i>It ain't over until the fat lady sings!</i> Delene Thomas	<i>Partnerships provide good outcomes – Education, not for profit and Health delivering positive early intervention outcomes</i> Jen Mckee Sheridan Howell

1120 - 1140	<p><i>Is earlier always possible? A review of infants diagnosed with Unilateral ANSD</i></p> <p>Inge Kaltenbrunn</p>	<p><i>Building a resilient, engaged and united screener workforce using the Resilient organizations 13 indicator model. A proven recipe for success!</i></p> <p>Angela Deken Nicola Ellis</p>	<p><i>Development of a Minimum Data Set for a Needs Assessment Tool for Families of Children with Hearing Loss in the Transition to Early Intervention: An eDelphi study</i></p> <p>Mansoureh Nickbakht</p>
1145 - 1205	<p><i>Optimal Management of Infants and Young Children with Conductive Hearing Loss associated with Cleft Palate</i></p> <p>Kylie Bolland</p>	<p><i>"From confusion to clarity....." Establishing a newborn hearing risk factor brochure.</i></p> <p>Judith McCloskey Judith Noonan</p>	<p><i>The development of a Communication Assessment Protocol to complement the Queensland Minimum Standards of Practice.</i></p> <p>Anita Condon</p>
1210 - 1230	<p><i>Effect of age at intervention on language outcomes at age 5 years for children with mild hearing loss in the LOCHI study</i></p> <p>Teresa Ching</p>	<p><i>Which chemotherapy drugs in pregnancy matter to Hearing Screeners?</i></p> <p>Delene Thomas</p>	<p><i>National survey data analysing the barriers and gaps hearing health professionals and Deaf and hard of hearing young people and their families face when trying to access mental health services.</i></p> <p>Sophie Morson Judi Krause</p>

1230 - 1330 Lunch

CONCURRENT SESSIONS 5

	Post-Natal Hearing Loss Chair: Zeffie Poulakis	Cochlear Implant Chair: Alison King
Rooms	Prince	Jacaranda + Karrie Webb
1330 - 1350	<i>Targeted Hearing Screening in the Community – Delegation Model</i> Beth Polkinghorne	<i>Outcomes and Clinical Considerations for Paediatric and Young Adult Cochlear Implant Recipients with Single Sided Deafness</i> Emma Rushbrooke
1355 - 1415	<i>Preschool Hearing Screening – Could Otoacoustic Emission (OAE) screening provide an effective, efficient and well-tolerated alternative to Pure Tone audiometry?</i> Emma Williams	<i>Speech perception outcomes for children using cochlear implants who have a premature and/or low birth-weight history.</i> Peter Carew
1420 - 1440	<i>Identifying Hearing Loss Beyond the Newborn Period - What's Happening in Queensland</i> Stephanie Keszegi	<i>The changing profile of paediatric cochlear implantation over 26 years at the Sydney Cochlear Implant Centre – age at implant, unilateral vs bilateral, and radiological findings</i> Kirsty Gardner-Berry
1445 - 1505	<i>Detection of hearing loss beyond the newborn period: A systems approach</i> Rachael Beswick	<i>Hearing and structural preservation in paediatric cochlear implantation: considerations for future developments in hearing restoration therapies</i> Kirsty Gardner-Berry

1505-1535	Afternoon Tea
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Plenary Session 3

Chair: Greg Leigh

Room	Prince
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1540-1620	Keynote Address
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Keynote Address

What Lies Ahead for Children with Hearing Loss?

Anne-Marie Tharpe, PhD

1620-1635	Closing Address
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