



Australian Otitis Media Conference, OMOZ 2012

2nd - 4th of May 2012. The Esplanade Hotel, Fremantle, Western Australia

Day 1: 2nd May 2012: 8.30-17.35

Registration/tea/coffee

8.30-9.30 registration

Opening 9.30-10.30am

- Welcome to country –Elder Ingrid Cumming (custodian and traditional owner of Whadjuk Nyungar country)
- Welcome to the conference, about OMOZ, housekeeping – Dr Ruth Thornton
- Justin Mohamed, Chairperson of NACCHO, perspective on otitis media and its management
- The importance of having a broad understanding of otitis media at all stages, risk factors, prevention, problems encountered, downstream effects and for everyone becoming an advocate - Senator Rachel Siewert
- Otitis media – a multi-factorial disease requiring a multi-faceted approach-Associate Professor Amanda Leach

10.30-11am Morning tea

Session 1: 11am – 1pm

Bacterial infections and their impact on otitis media development, treatment and outcomes

Invited speaker and Chairperson: Professor Jennelle Kyd – Microbial infection and otitis media

1. *IN VITRO* MODELLING OF HOST-MICROBE DYNAMICS INVOLVED IN BIOFILM FORMATION BY *STREPTOCOCCUS PNEUMONIAE* AND NONTYPEABLE *HAEMOPHILUS INFLUENZAE*
Ajay Krishnamurthy, Jennelle Kyd
2. *ALLOIOCOCCUS OTITIDIS*: A NEGLECTED PATHOGEN IN OTITIS MEDIA
Christopher Ashhurst-Smith, Sharron T Hall, Christine J Burns, John Stuart, Caroline Blackwell
3. USING QPCR ESTIMATES OF BACTERIAL LOAD IN OM RESEARCH TO BETTER UNDERSTAND PATHOGENESIS AND THE IMPACT OF INTERVENTIONS
Heidi Smith-Vaughan, Robyn Marsh, Michael Binks, Mirjam Kaestli, Peter S Morris, Amanda J Leach
4. CONCORDANCE BETWEEN NASOPHARYNGEAL CULTURES AND PATHOGENS IN EAR DISCHARGE AND LOWER AIRWAY SPECIMENS FROM INDIGENOUS CHILDREN IN THE NORTHERN TERRITORY OF AUSTRALIA
Kim M Hare, Allen C Cheng, Heidi Smith-Vaughan, Anne C Chang, Peter S Morris, Amanda J Leach
5. PILOT MICROBIOMIC ANALYSIS OF POLYMICROBIAL ACUTE OTITIS MEDIA WITH PERFORATION IN INDIGENOUS AUSTRALIAN CHILDREN
Robyn Marsh, Mirjam Kaestli, Linda Ward, Michael Binks, Peter Christensen, Peter Morris, Amanda Leach, Heidi Smith-Vaughan
6. THE IMPACT OF *HAEMOPHILUS HAEMOLYTICUS* ON NONTYPEABLE *HAEMOPHILUS INFLUENZAE* DIAGNOSIS AND DISEASE
Janessa Pickering, Amy Prosser, Lea-Ann Kirkham, Peter Richmond

Discussion

12.50 -1pm - Allan Cripps – Bid for 9th Extraordinary Symposium on Recent Advances in Otitis Media in 2017

Lunch 1-2pm

Session 2: 2-3.20pm

Current, new, and future vaccines and other interventions: how are these likely to impact on otitis media?

***Invited speaker and Chair** – Professor Peter Richmond – overview of current vaccines, their role in otitis media and quick update on progress of new vaccines*

1. ACUTE OTITIS MEDIA WITH PERFORATION (AOMWIP) AND CHRONIC SUPPURATIVE OTITIS MEDIA (CSOM) IN AUSTRALIAN INDIGENOUS CHILDREN
Amanda J Leach, Christine Wigger, Peter Morris
2. THE EFFECT OF THE PROBIOTIC, *STREPTOCOCCUS SALIVARIUS*, ON THE ADHESION OF *STREPTOCOCCUS PNEUMONIAE* TO RESPIRATORY EPITHELIAL CELLS *IN VITRO*
Mary John, Zheng Quan Toh, Paul V Licciardi, Eileen M Dunne, Catherine Satzke, Odilia Wijburg, Roy M Robins-Browne, Stephen O' Leary
3. PNEUMOCOCCAL AND *H. INFLUENZAE* PROTEIN IGG AND IGA ARE PRESENT IN SERUM AND THE MIDDLE EAR EFFUSION OF CHILDREN WITH A HISTORY OF RECURRENT ACUTE OTITIS MEDIA
Karli J Corscadden, Lea-Ann S Kirkham, Ruth B Thornton, Shyan Vijayasekaran, Harvey L Coates, Peter C Richmond, Selma P Wiertsema
4. NASOPHARYNGEAL PNEUMOCOCCAL CARRIAGE SURVEILLANCE: WHAT ARE THE INFLUENCES ON SEROTYPE HIERARCHY?
Amanda J Leach, Christine Wigger, Gabrielle McCallum, Heidi Smith-Vaughan, Kim Hare, Peter Morris

Discussion

Afternoon tea –3.20-3.50pm

Session 3: 3.50 -5.20pm

Immune responses to otitis media pathogens and disease outcome, and genetic predisposition to otitis media

***Invited speaker and Chair** – Professor Allan Cripps – Immunology of the middle ear*

1. REGULATION OF THE IMMUNE SYSTEM IN THE NASOPHARYNX
Jennelle Kyd, Ajay Krishnamurthy, Jessica Browne, Maree Stocks, John McGrath
2. NASOPHARYNGEAL BACTERIAL CARRIAGE EARLY IN LIFE MODULATES MUCOSAL IMMUNITY IN CHILDREN

Allan W Cripps, Stefano Occhipinti, Peter Jacoby, Deborah Lehmann, Su-Mon Kyaw-Myint, Jennelle M Kyd, Jacinta Bowman, Tom V Riley

3. IGA FACILITATES SECONDARY PNEUMOCOCCAL OTITIS MEDIA

Kirsty R Short, Patrick C Reading, Dimitri A Diavatopoulos, Odilia L Wijburg

4. UNDERSTANDING AND PREVENTING TRANSMISSION OF *STREPTOCOCCUS PNEUMONIAE*

Kirsty R Short, Dimitri A Diavatopoulos, Patrick C Reading, Odilia L Wijburg

5. GENOME-WIDE ASSOCIATION STUDY REVEALS NOVEL CANDIDATES FOR OTITIS MEDIA SUSCEPTIBILITY IN A WESTERN AUSTRALIAN POPULATION

Marie S Rye, Craig E Pennell, Shyan Vijayasekaran, Harvey L Coates, Jenefer M Blackwell, Sarra E Jamieson

Discussion

5.25-5.35pm – Summary and final words

5.35pm – Close

Day 2: 3rd of May 2012: 9.00-16:45

Session 1: 9-10.20am

Clinical trials in otitis media research – The what, where, why and how of trials happening and what does this mean for future treatments

Invited speaker and Chair – Assoc Prof Peter Morris – Overview of clinical trials and the role they play in otitis media research

1. THE IMPACT OF SWIMMING ON CHRONIC SUPPURATIVE OTITIS MEDIA (CSOM): A RANDOMISED, CONTROLLED TRIAL
Anna Stephen, Peter Morris, Amanda Leach, Louise Boyle, Kim Hare, Joseph McDonald, Vanya Hampton, Christine Wigger
2. USING PNEUMOCOCCAL VACCINES PREVENAR13 AND SYNFLORIX IN COMBINATION FOR MAXIMUM PROTECTION FROM EAR INFECTIONS: UPDATE ON THE FIRST MONTHS OF THE PREV-IX_COMBO RANDOMISED CONTROLLED TRIAL
Tracy Grierson, N. Birt, Z. Hayes, N. Wienert, V. Hampton, C. Gage-Pearson, Ruth Lennox, Jemima Beissbarth, Amanda J. Leach
3. THE KANEMARU TISSUE ENGINEERED TYMPANIC MEMBRANE
Harvey Coates
4. DISSOLVING THE GLUE IN GLUE EAR: ASSESSMENT OF THE USE OF DORNASE ALFA AS AN ADJUNCT THERAPY TO VENTILATION TUBE INSERTION
Ruth B Thornton, Selma P Wiertsema, Lea-Ann S Kirkham, Shyan Vijayasekaran, Harvey L Coates, Peter C Richmond

Discussion

10.20-10.50am Morning tea

Session 2: 10.50am -12.15pm

Surveillance and epidemiology of otitis media. Prevalence, risk factors, treatment and prevention

Invited speakers and Chairs –

Associate Professor Deborah Lehmann – Epidemiology and risk factors

Dr Hasantha Gunasekera – Treatments and prevention

1. NASOPHARYNGEAL CARRIAGE SURVEILLANCE - A CORRELATE OF HEALTH OUTCOMES IN MONITORING HOUSING AND HYGIENE PROGRAMS IN REMOTE AUSTRALIA
Amanda J Leach, Heidi Smith-Vaughan, Kim Hare, Ross Bailie, Peter Morris, Jonathan Carapetis

2. EAR INFECTIONS ATTITUDE RESEARCH (EAR) – LISTENING TO PARENTS ON MIDDLE EAR INFECTION
Harvey Coates
3. OTITIS MEDIA IN ABORIGINAL AND TORRES STRAIT ISLANDER CHILDREN IN REMOTE QUEENSLAND: ANALYSIS OF SCREENING DATA 2006-11
Kyle B Turner
4. NACCHO EAR AND HEARING HEALTH WORKFORCE PROJECT FOR ABORIGINAL AND TORRES STRAIT ISLANDER HEALTH WORKERS
Tricia Elarde and Janine Engelhardt

Discussion

12.20-12.30 USING THE OMOZ WEBSITE TO MAXIMISE ITS EFFECTIVENESS

Heidi Smith-Vaughan, Janessa Pickering

12.30-1.30pm - Lunch

Session 3: 1.30-3.10pm

Research transference into health services – comprehensive primary health care service delivery and initiatives such as community ear and hearing health promotion campaigns, equipment training schemes, partnerships with ear health specialists

1. IMPROVING EAR HEALTH SERVICES FOR INDIGENOUS AUSTRALIANS - CURRENT AUSTRALIAN GOVERNMENT INITIATIVES
Rajan Martin
2. CHRONIC OTITIS MEDIA AND HEARING LOSS – A MANUAL FOR AUDIOLOGICAL PRACTICE WITH ABORIGINAL AND TORRES STRAIT ISLANDER AUSTRALIANS
Amarjit Anand, Paul Hickey
3. PINA PALYA, PINA KULILKU (GOOD EARS, GOOD LEARNING) – A HEALTH PROMOTION PROGRAM IN THE GOLDFIELDS OF WESTERN AUSTRALIA
Ruth Monck, Lorraine Sholson, Kirsten Alpers, Anne Mahony, Christine Jeffries-Stokes, Annette Stokes, Bradley Gilchrist, Dawn Gilchrist, Francis Lannigan, Deborah Lehmann
4. PINA PALYA, PINA KULILKU (GOOD EARS, GOOD LEARNING) - IMPLEMENTATION OF AN EAR HEALTH PROGRAM IN A PRIMARY HEALTH CARE SETTING IN THE GOLDFIELDS
Doreen Champion, Kylie Hart, Susan Hurst, Leslie Ann Conway

5. THE AUSTRALIAN INDIGENOUS EARINFONET: SHARING INFORMATION ABOUT INDIGENOUS EAR HEALTH AND HEARING

Jane Burns

6. OTITIS MEDIA IN ABORIGINAL AND TORRES STRAIT ISLANDER CHILDREN IN WESTERN AUSTRALIA: ANALYSES OF RECENT DATA OF THE TSH MOBILE EAR CLINIC PROGRAM

Paul Higginbotham, Lara Shur

Discussion

Afternoon tea 3.10-3.40pm

Session 4: 3.40-4.45pm

Evidence-based clinical practice – feedback from current clinical programs, new otitis media guidelines and training programs for Aboriginal Health Workers, primary health care workers and other associated Aboriginal health workforce professionals

Invited speaker and Chair – Harvey Coates

1. NORTHERN TERRITORY INTEGRATED EAR AND HEARING HEALTHCARE SERVICE DELIVERY MODEL

Kathy Currie

2. ACUTE OTITIS MEDIA AND THE NEW DOCTOR'S DILEMMA: SHOULD YOU PLAN TO SEE THE CHILD AGAIN?

Peter S Morris, Amanda J Leach

3. EAR INFECTION AND ITS ASSOCIATED RISK FACTORS, CO-MORBIDITY, AND HEALTH SERVICE USE IN AUSTRALIAN CHILDREN

Vasontara Yiengprugsawan, Anthony Hogan

Discussion

4.45-4.55pm – Summary and final words

4.55pm – Close

6.30pm - Social event at the Maritime Museum, Victoria Quay, Fremantle

Day 3: 4th May 2012: 9.00-16:35

Session 1: 9.00 – 10.40am

Social and educational determinants and impacts of otitis media on families through the early, school and adult years

Chair: *Kathy Currie*

1. THE WELLBEING OF CHILDREN WITH EAR INFECTION – A CROSS-SECTIONAL STUDY.
Anthony Hogan, Damien Howard, Vasoontara Yienprugsawan
2. MEETING EDUCATIONAL NEEDS FOR STUDENTS WITH HEARING IMPAIRMENT
Bridget Greensill, Christine Wright, Karen Gangemi
3. EAR INFECTION AND SUBSEQUENT HEARING IMPAIRMENT: FINDINGS FROM PROSPECTIVE LONGITUDINAL STUDY OF AUSTRALIAN CHILDREN
Vasoontara Yienprugsawan, Anthony Hogan
4. AUSTRALIAN HEARING'S ROLE IN BREAKING THE CYCLE OF EAR DISEASE AND REDUCING THE IMPACT OF HEARING LOSS IN ABORIGINAL AND TORRES STRAIT ISLANDER COMMUNITIES
Sally Regan, Samantha Harkus
5. BEHAVIOURAL INDICATORS OF EAR DISEASE/CONDUCTIVE HEARING LOSS AMONG INDIGENOUS CHILDREN IN CHILDCARE
Damien Howard, Lyn Fasoli
6. THE USE OF THE NATIONAL RELAY SERVICE BY INDIGENOUS COMMUNITIES ON THE CONTINUUM BETWEEN TREATMENT AND IMPROVED HEALTH AND SOCIAL OUTCOMES.
Annabel Vasquez

Discussion

10.40–11.10am Morning tea

Session 2: 11.10-12.35pm

How do we go about improving hearing health for all children?

Chair: *Samantha Harkus*

1. STRATEGIC APPROACH TO IMPROVING EAR HEALTH FOR ABORIGINAL PEOPLE AND TORRES STRAIT ISLANDERS IN VICTORIA
Lisa Briggs, Jimi Peters
2. FIGHTING DISEASE WITH FRUIT
Raymond Jones

3. OTITIS MEDIA—AN URBAN GPS EXPERIENCE OVER 30+ YEARS
Renée Shilkin
4. NORTHERN TERRITORY DEPARTMENT OF HEALTH – HEARING INFORMATION MANAGEMENT SYSTEM (HHIMS)
Kathy Currie
5. EAR HEALTH RESOURCE DEVELOPMENT WITH ABORIGINAL COMMUNITY
Sammi Fatnowna

Discussion

12.35-1.35pm Lunch

Session 3: 1.35-2.35pm

Advocacy for hearing health – keeping it on the political agenda and moving ear health forward.

***Chairs:** Kathy Currie and Glenn Pearson*

- 1) A “HOW TO GUIDE” ON ENGAGING GOVERNMENT AND INFLUENCING PUBLIC POLICY DEVELOPMENT
Jodie Janson
- 2) A FAIRER HEARING: KEEPING EAR HEALTH AND HEARING ISSUES ON THE POLITICAL AGENDA
Anthony Hogan
- 3) THE IMPORTANCE OF ADVOCACY FOR EAR HEALTH, AN INSIDE THE PARLIAMENT PERSPECTIVE AND THE AUSTRALIAN COLLABORATION FOR HEARING AND EDUCATION
Senator Rachel Siewert

2.35-3.35pm Panel - (Members to be confirmed)

Session 4: 3.35 onwards

- Setting the priorities for research and advocacy
- Plans/bids for the next OMOZ to be held 2014

Afternoon tea and drinks following