

# Virtual meeting

## 21<sup>st</sup> International Symposium on Recent Advances in Otitis Media

### 11-12 June 2021

## Friday 11 June

### 2:00PM INTRODUCTION AND WELCOME

Mood Bhutta and Matt Bemment

### 2:05PM THE HISTORY OF MEETINGS AND THE SOCIETY

Diego Preciado

### 2:15PM KEYNOTE TALK ONE

Keynote speakers: Tal Marom and Matthew Smith - 'Otitis media and the COVID-19 pandemic'

Chaired by Diego Preciado

### 2:45PM PARALLEL SESSION 1A EPIDEMIOLOGY

Chaired by Ann Hermansson

**Francois Angoulvant:** Decrease of pediatric emergency visits, bronchiolitis, common cold, and acute otitis media during national lockdown

**Anke Leichtle:** Immunodeficiency exacerbating chronic otitis media disease: a protective strategy of TNF in inflammation and apoptosis

**Tal Marom:** Near-sequential pneumococcal conjugated vaccines (PCV-7/PCV-13) decreased acute Otitis Media burden: a population-based study in Israeli children

**Ravinder Kaur:** COVID-19 pandemic impact on reduction in acute Otitis Media and other respiratory infectious diseases in children

**Maria José Herrera:** Evaluation of the occurrence of pediatric acute otitis media during the COVID-19 pandemic in Chile.

**Ayala Klein:** Are children scheduled for ventilation tubes insertion surgery overweight? A cohort study of Israeli children

### PARALLEL SESSION 1B PATHOGEN BIOLOGY

Chaired by Lea-Ann Kirkham and Kevin Mason

**Alistair Harrison:** Influence of tryptophan biosynthesis on the formation of intracellular bacterial communities by nontypeable *Haemophilus influenzae*

**Preeti Garai:** The ModA phasevarion regulates adherence of non-typeable *Haemophilus influenzae* to host airway epithelium in a tissue-specific manner

**Nadeem Habashi:** Biofilm topographic distribution on the surface of tympanostomy tubes: An ex vivo descriptive study and analysis

**Jemima Beissbarth:** Pneumococcal serotype carriage in Aboriginal children with and without acute otitis media (AOM) across four vaccine eras

**Seweryn Bialasiewicz:** Microbial networks in Australian Aboriginal and Torres Strait Islander children vary by ear and nose health status

**Sarah Humphries:** Systematic review analysing the role of the biofilm in the pathogenesis of Otitis Media with effusion

### 3:55PM BREAK



**4:10PM SPONSOR TALK ONE**

PhotoniCare – Diego Preciado. Chaired by Regie Santos-Cortez

**4:15PM KEYNOTE TALK TWO**

Keynote speaker: Colin Bingle – 'The middle ear epithelium and OM: lessons from the airways?' Chaired by Regie Santos-Cortez

**4:45PM PARALLEL SESSION 2A DIAGNOSIS**

Chaired by Preben Homoe and Randy Bly

**Tuuli Vuorisalo:** Are pain-related symptoms associated with the development of acute otitis media in young preverbal children?

**Matthew Crowson:** Machine learning for accurate intraoperative pediatric middle ear effusion diagnosis: an opportunity to decrease diagnostic error

**Amanda Leach:** Does otoscopy and tympanometry predict hearing loss in Aboriginal children 12 to 36 months of age?

**Cuneyt M. Alper:** Assessment of Eustachian Tube Dysfunction (ETD) Endotypes – an algorithm for decision making for managing ETD phenotypes in the general clinical practice

**Amanda Leach:** In remote Aboriginal communities, training Ear Health Facilitators increases otoscopy, tympanometry and hearScreen data collection

**PARALLEL SESSION 2B HOST BIOLOGY**

Chaired by Ken Brockman and Jian Dong Li

**Scott Hirsch:** Impact of otitis media types on host immune function and subsequent risk of developing COVID-19

**Kaleigh Stabenau:** Comparative RNA Sequencing and Pathways Analyses of Middle Ear Epithelia from Patients with Otitis Media

**Arwa Kurabi:** Understanding the development and function of the human immune system during otitis media using 'Humanized' mice

**Amanda Leach:** Head-to-head and combined pneumococcal conjugate vaccine (PCV) schedules: secondary immunogenicity outcomes to 7 months of age

**Michael Pichichero:** Pneumonia, Sinusitis, Influenza, Viral Upper and Other Respiratory Illnesses in Acute Otitis Media Prone Children

**Aviad Sapir:** Impact of the 13-valent pneumococcal conjugate vaccine (PCV13) on acute mastoiditis in children

**5:55PM SPONSOR TALK TWO**

DNA Genotek – Alex Lavigne. Chaired by Mood Bhutta

**6:00PM KEYNOTE TALK THREE**

Keynote speaker: Isaac Macharia – 'Chronic suppurative otitis media in low resource settings: challenges and possible solutions' Chaired by Mood Bhutta

**6:30PM CLOSE DAY ONE**

# Saturday 12 June

**11:30AM WELCOME**

Mood Bhutta

**11:35AM KEYNOTE TALK FOUR**

Keynote speaker: Chris Brennan-Jones – 'Non-surgical management of chronic suppurative otitis media (CSOM): A suite of Cochrane reviews' Chaired by Mood Bhutta

**12:10PM PARALLEL SESSION 3A TREATMENT**

Chaired by Paolo Marchisio and Tal Marom

**Allen Ryan:** The mechanism of active transport across the intact tympanic membrane : functional and structural properties

**Gayatri Sharma:** Cationic Nanoparticle Platforms Enhance trans-Tympanic Membrane Drug Delivery for the treatment of Otitis Media

**Jacob Pitaro:** Antibiotics Prescription Policy for Acute Otitis Media: Do We Follow the Guidelines? A cohort of Israeli children

**Miriam Teixeira:** Comparisons of Nasal and Ear Pressure Curves Obtained by Different Politzer Devices and Unconventional Maneuvers

**PARALLEL SESSION 3B SERVICE DEVELOPMENT**

Chaired by Chris Waterworth and Hasantha Gunasekera

**Amanda Leach:** Over 70% Australian Aboriginal infants meet criteria for specialist services by 7 months of age

**Amanda Leach:** An OMapp for the 2020 Otitis Media Guidelines for high- and low-risk Aboriginal and Torres Strait Islander children

**Jiunn-Yih Su:** An evaluation of the cascade of care for the ear health of Aboriginal children in remote Australia, 2014–2018

**Caroline Paul:** A Novel Tool for Teaching Acute Otitis Media (AOM) in Clinical Settings: Development and Evaluation of an Education AOM Website

**Tamsin Holland Brown:** Managing glue ear remotely during the Covid pandemic when services were reduced or closed



**1:00PM BREAK**

**1:15PM PARALLEL SESSION 4A TREATMENT 2**

Chaired by Sharon Tamir and Marcos Goycoolea

**Cuneyt M. Alper:** Tensor Tenopexy during Furlow Palatoplasty results in poorer otologic outcomes – A Randomized Blinded Controlled Clinical Trial

**Aviad Sapir:** The clinical course of children undergoing mastoidectomy due to complicated mastoiditis. A follow-up of complicated mastoiditis

**Richard Rosenfeld:** Otolaryngologist's attitudes towards in-office pediatric tympanostomy tube placement without general anesthesia: insights to facilitate ongoing discussion and innovation

**Dilhara Karunaratne:** Myringoplasty Outcomes from a 5 Year Single Surgeon Experience and Important Adoptable Surgical Technical Aspects

**PARALLEL SESSION 4B PATIENT PERSPECTIVES**

Chaired by Tania Sih

**Paula A. Tähtinen:** Parental experiences and opinions regarding the management of acute otitis media in 2006 and 2019

**Lucia C. Pérez Herrera:** Associated factors, health-related quality of life, and reported costs of chronic otitis media in adults in a middle-income country

**Ana Otoyá Tono:** Validation of a Spanish version of the health-related quality of life (HRQoL) measure for Chronic Otitis Media (COMQ-12)

**Penelope Abbott:** Randomised clinical trial research within Aboriginal and Torres Strait Islander primary health services: value, ethics and sustainability

**2:00PM PLATINUM SPONSOR TALK**

AventaMed – Keith Jansen. Chaired by Joe Kerschner

**2:15PM KEYNOTE TALK FIVE**

Keynote speakers: Mood Bhutta and Munir Kureshi – 'Epidemiology and types of otitis media in farm and companion animal species'  
Chaired by Joe Kerschner

**2:45PM 2023 CONFERENCE**

Joe Kerschner

**2:55PM LOOKING FORWARD**

Mood Bhutta

**3:00PM CONFERENCE END**

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