B-ORL Congress

Room 1

Friday 17 December 2021

08h25 Opening of the B-ORL Congress
  *Marie-Paule Thill & Thomas Somers*

**Session: Cochlear Implants: Cochlear electrode insertion: be guided**

Moderator (onsite): *Guillaume Gersdorff*
Moderator (video link): *Jean-Marc Gerard*

08h30 Mapping electrodes in cochlea (video link)
  *Aaron Collins (Engineer)*

09h45 Electrode insertion planification (video link)
  *Sudanthi Wijewickrema (Engineer)*

09h00 Intraoperative Eochg monitoring (video link)
  *Christo Bester (Neuroscientist)*

09h15 Guiding surgeon’s hands (video link)
  *Jean-Marc Gerard*

09h30 Discussion

09h45 Keynote Lecture:
  *Bach's cello suites, inner hair cells and Menière's disease*
  *Paul Govaerts*

10h30 Coffee Break

**Session: Noise Exposure:**

Moderators: Nicolas Verhaeert & Marie-Paule Thill

11h00 Occupational diseases in the military: emphasis on ear and hearing disorders
  *Jean-Baptiste Watelet*

11h20 From Woodstock to Pukkelpop, or 40 dB in 40 years!
  *Daniel Leon (sound engineer)*
12h00  Tinnitus: an update on multidisciplinary treatments
         Nicolas Verhaert

12h20  Questions and discussion

12h30  Lunch

**Session: Pharyngolaryngeal reflux**

Moderators: Jérôme Lechien & Chloé Katoer

14h00  Effectiveness of Mediterranean plant-based diet on laryngopaharyngeal reflux.
         Craig H. Zalvan (video link)

Diet, lifestyle and psychosocial distress: which role in the onset and exacerbation of LPR-related symptoms? A proposal of an integrated and interdisciplinary screening protocol
         Barillari Maria (video link)

Is diet sufficient as LPR treatment?
         Jérôme Lechien

General discussion

15h30  Coffee Break

(ethics & economy)

**Session: E-Health & digitalization: a curse or a blessing for the ENT specialist?**

Moderators: Mieke Moerman & Benoîte Millet

16h00  Introduction
         Benoîte Millet

16h10  Keynote Lecture: Integrated healthcare: the importance of connecting to create value
         Pascal Verdonck (Vice president Belgian & European Association of Hospital Managers)

**Panel Session: Integrated healthcare: the importance of connecting to create value**

16h40  Multidisciplinary what & why? – Care sets & value sets
         Anne Nerenhausen (project leader INAMI/RIZIV)

16h55  Safe handling of personal data, specifically for voice recordings and video material
         Julie Hantson (lawyer & legal expert digital health and mHealth)
17h10  The proof of the pudding is in the eating
   Tom David Van Meel (COO at Vlaams & Neutraal health insurance fund)

17h25  Discussion

17h50  B-laryphon brainstorm session: your opportunity
   Open for all members and all other interested colleagues

18h10  Closing

Room 1

Saturday 18 December 2021

Session: Pediatric session:
ENT and pneumology collaboration in the management of airway disease

Moderators: Cavel Oren & Greet Hens

08h30  Chronic cough seen from above and from below
   When does the pneumologist refer to an ENT in cases of asthma
   Special considerations in T21
   An Boudewyns & Stijn Verhulst

09h10  The management of TE fistula and tracheal stenosis
   Medical education and research:
   simulation based difficult airway course for trainees
   Oren Cavel & Nicolas Lefevre

09h50  Sinus and ear involvement in complex pulmonary disease - DCP and CF
   The role of pneumologist/ENT in the diagnosis of DCP and CF
   Indications for sinus surgery in pulmonary diseases
   Laura Van Gerven & François Vermeulen or Mieke Boon

   The airway of the premature child
   Greet Hens & Anne Debeer

10h30  Coffee Break
11h00 – 13h00: Parallel programme in extra rooms 1° floor

BAO coaching group

Coaching attitudes in communication for medical doctors: how to improve communication at work, how to be more resilient in difficult working conditions

Group 1: French
Group 2: Dutch

13h00 Lunch

Session: B-Facial

Moderators: Frank Declau & Clotilde de Dorlodot

14h00 Cleft surgery
  Greet Hens

14h20: Update on facial reanimation
  Faris Callum

14h40 Microtia surgery
  Greet Hens

15h00 Diagnosis and nonsurgical management NMSC
  Kevin Gmelig

15h20 How I got started as an ENT facial plastic reconstructive surgeon
  Gert Jeunen

15h40 Complex nose reconstruction
  Faris Callum

16h00 Closure of the B-ORL congress
  Marie-Paule Thill & Thomas Somers
Room 2

Friday 17 December 2021

08h25 Opening of the B-ORL Congress
*Marie-Paule Thill & Thomas Somers*

**Session: Head and neck oncology:**

Moderators: *Frans Indesteege & Sandra Schmitz*

08h30 Essentials in imaging in head-and neck oncology
*Inge Indesteege*

09h00 Role of immunotherapy in head-and neck oncology
*Jean-Pascal Machiels*

09h25 Laser and robot on the treatment of head and neck oncology
*Vincent VanderPoorten & Jeroen Meulemans*

10h15 Discussion

10h30 Coffee Break

**Session Rhinology:**

Moderators: Philippe Eloy & Thibault Van Zele

11h00 Thick snot or stiff cilia: how I drain it
*Anne-Lise Poirrier*

11h15 ENT management of Osler Rendu disease
*Sandrine Machiels*

11h30 Ossifying fibroma
*Philippe Eloy*

11h45 Management of sinunasal malignancy
*Thibaut Van Zele*

12h00 Suprasellar lesions
*Laura Van Gerven*

12h15 Questions and discussion

12h30 Lunch
Report 2021 of the Society: Endoscopic Ear Surgery:

Moderators: Sandrine Machiels, Nicolas Mardyla, Stéphane Ayache, Stephan Vlamynck

President: Nicolas Mardyla

14h00  Introduction  
Nicolas Mardyla

History of EES  
Jean-Marc Thomassin

Base of EES  
Patrick Levie

Endoscope and microscope indivisible  
Anaïs Grégoire & Jean-Philippe Van Damme

How to begin? Tympanoplasty step by step  
Jolien Euben

When endoscopes help the microscope in cholesteatoma surgery  
Camille Levie

Transcanal endoscopic ear surgery for cholesteatoma  
Stéphane Ayache

Transcanal endoscopic ear surgery for otosclerosis  
Stéphane Ayache

Endoscope-assisted lateral skull base micro-surgery  
Thomas Somers

Fully endoscopic approach for vestibular schwannoma  
Mihaela Horoi

Complications during EES  
Jacques Vilain

Cochlear implant  
Vedat Topsakal

Conclusions  
Sandrine Machiels

Discussion

16h00  Coffee Break
Session: Vestibulogy

Moderators: Marc Vander Ghinst & Elke Loos

16u30 Diagnosing bilateral hypofunction
   *Ulla Duquesne*

17h00 Idiopathic bilateral vestibulopathy
   *Michel Toupet*

17h30 Vestibular Implants
   *Vincent Van Rompaey*

18h00 closing room 2

Room 2

Saturday 18 December 2021

Session: Anosmia and COVID

Moderators: Serge Lebon & (Bob Lerut)

08h30 Olfaction, anosmia and COVID
   *Serge Le Bon*

08h50 Mechanism of COVID 19 induced olfactory dysfunction
   *Laura Van Gerven*

09h10 Assessment of olfactory function: certainties, uncertainties and pitfalls
   *Thomas Hummel* (Video link)

09h40 Management of olfactory dysfunction
   *Caroline Huart*

10h00 “Being able to enjoy food again”, the benefit of a chefs gastro-engineering for covid patients
   *Lobke van den Wijngaert*

10h20 Round of questions
   *Bob Lerut*

10h30 Coffee Break
11h00 Keynote Lecture: The future of healthcare turns delightful
   Koen Kas

12:00 Questions

11h00 – 13h00: Parallel programme in extra rooms 1st floor

BAO coaching group (ethics & economy)

Coaching attitudes in communication for medical Doctors: how to improve communication at work, how to be more resilient in difficult working conditions

   Group 1: French
   Group 2: Dutch

12h30 Lunch

Session: New Tools

Moderator: Thomas Somers

14h00 Piezosurgery: a new device in ENT surgery
   Mihaela Horoi

14h10 The use of the exoscope in lateral skull base surgery
   Tony van Havenbergh & Thomas Somers

14h20 Robotol - Video presentation
   Yann Nguyen

Session Sleep Apnea: What new in diagnosis and treatment of sleep-disordered breathing

Moderators: Tom Vauterin & Philippe Rombaux

14h30 Assessment of mandibular movement monitoring with machine learning analysis for the diagnosis of obstructive sleep apnea
   Jean-Benoit Martinot

15h00 Personalized and precision medicine in dental sleep medicine: role of technology and digital workflow solutions
Shouresh Charkhandeh

15h30 Hypoglossal nerve stimulation therapy for obstructive sleep apnea: current state and future directions
  Olivier Vanderveken

16h00 Closure of the B-ORL Congress (room 1)
  Marie-Paule Thill & Thomas Somers
NVA & B-Audio Congress
Room 3

Audiology evolutions/progress since 1950

Joint organization of the audiology societies of The Netherlands (NVA, 70 years) and Belgium (B-Audio, 10 years), in collaboration with the Belgian ENT-society (B-ORL)

Friday 17 December 2021

Session: From 1950 till now

Moderators: Martijn Toll (Rotterdam) & Jan Wouters (Leuven)

09h30 Intro and highlight a number of aspects
Martijn Toll (Rotterdam)

09h35 History and future of speech intelligibility tests
Cas Smits (Amsterdam)

10h00 Evolutions in middle ear and bone conduction hearing implants
Ad Snik (Nijmegen)

10h25 The venerable Cross-Check Principle rejuvenated in the era of modern objective auditory evaluation techniques
Paul Deltenre (Brussels)

10h50 Coffee Break

Session: Oral Contributions I: Speech tests, Auditory Cortex

Moderators: Martin Stollman (Maastricht) & Axelle Calcus (Brussels)

11h20 Speech perception in modulated noise is associated with the ability to perceive time-compressed speech
Robin Gransier, Astrid van Wieringen, Jan Wouters (Leuven)

11h32 The usability of TTS systems for creating audiological speech material
Sigrid Polspoel, Sophia E. Kramer, Bas Van Dijk, Cas Smits (Amsterdam)

11h44 Objectively measuring speech understanding in normal-hearing and hearing-impaired children
Tilde Van Hirtum, Ben Somers, Tom Francart (Leuven)

11h56 Topographical representation of sound frequency and amplitude modulation rate in the auditory cortex
Shahin Safazade, Marc Thioux, Gijs Hoskam, Remco Renken, Dave Langers, Pim van Dijk (Groningen)

12h08 Development of attentive tracking of sound sources
Elena Benocci, Manon Frayssinet, Axelle Calculs (Brussels)

12h20 Gray matter changes associated with hyperacusis
Punitkumar Makani, Marc Thioux, Kris Boyen, Elouise Koops, Sonja Pyott, Pim van Dijk (Groningen)

12h32 Children cortical processing of hierarchical linguistic structures in cocktail-party situation
Maxime Niesen, Mathieu Bourguignon, Julie Bertels, Marc Vandergheinst, Vincent Wens, Sergio Hassid, Serge Goldman, Xavier De Tiege (Brussels)

12h44 Global data on ear and hearing screening in people with an intellectual disability
Melina Willems, Frederic Acke, Gerlant van Berlaer, Leen Maes, Laura Leyssens, Beth Lannon, Bjoern Koehler, Luc Marks (Gent)

13h00 Lunch

14h00 - 14h30: Poster discussion I

Session: Vestibular screening and rehabilitation

Moderators: Leen Maes (Gent) & Josine Widdershoven (Maastricht)

14h30 The impact of a vestibular dysfunction on the development of children and the importance of early vestibular screening
Leen Maes (Gent), Josine Widdershoven, Skadi van der Meer (Maastricht)

15h10 The vestibular implant: towards a clinical device
Bernd Vermorken (Maastricht)

15h30 Coffee Break

Session: Now and then: Looking into the future

Moderators: Rudolf Kuhweide (Brugge) & Rob Drullman (Amersfoort)

16h00 Regeneration and biology in the inner ear
Brigitte Malgrange (Liège)

16h25 Future applications of art int technology for hearing devices
Bert de Vries (Eindhoven)
16h50  **Individualized and self-adjusting hearing devices, running speech and intelligibility and closed loop fitting**  
*Tom Francart* (Leuven)

17h15  **Panel discussion: "Now and then: Looking into the future"**  
**Moderator:** Martin Stollman

**Panel members:** Naima Deggouj (Brussel), Wouter Dreschler (Amsterdam), Jan Wouters (Leuven), Ad Snik (Nijmegen), Pim Van Dijk (Groningen), Inge Dhooge (Gent)

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**NVA & B-Audio special event**

19h00  **Dinner**

*NVA lustrum evening*  
**Moderator:** Bas Franck

20h45  **Book presentation: ”Horen, een mysterie”**  
*Reinier Plomp*

21h00  **Platinum Lecture: Waarom luisteren mensen naar muziek? Waarom moet het zo luid?**  
**intro:** Bas Franck  
*Tom ter Bogt* (Utrecht)

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**Saturday 18 December 2021**

### Session: Practicalities in hearing care

**Moderators:** Mark Laureyns (Antwerp) & Louise Straatman (Utrecht)

09h00  **Intro to start the day**  
*Jan Wouters* (Leuven)

09h05  **Round Table: Leaving a Lasting Impression: protocol & guidelines for audiologists and ENTs when impression material penetrates the middle ear**  
*Jerome Waterval* (Maastricht) & *Tom Crins* (Hasselt)

09h55  **COSI Hearing Care: Evaluation of the use of COSI after 7 years implementation in the Belgian Hearing Care Reimbursement system, effectively setting goals**  
*Paul Van Doren* (Antwerp - Brussels)

10h20  **Coffee Break**
Session: Oral contributions II: Audiology in practice, Vestibular Tests

Moderators: Allart Knoop (Rotterdam) & Astrid van Wieringen (Leuven)

10h50  Exploring neural entrainment to musical rhythms in cochlear implant users: a frequency-tagging approach
F. Rosenzweig, C. Lenoir, C. Huart, N. Deggouj, S. Nozaradan (UCL)

11h02  Language-Independent Hearing Screening: Towards an optimal screening protocol at school-entry
Elien Van den Borre, Sam Denys, Astrid van Wieringen, Jan Wouters (Leuven)

11h14  NAL-NL2 prescriptive targets for bone conduction devices with an adaptation to device constraints in the low frequencies
Martijn Toll, Gertjan Dingemanse (Rotterdam)

11h26  Sound localization with bilateral bone conduction devices
Coosje J Caspers, Arno M Janssen, M J H Agterberg, Cor W R J Cremers, Myrthe K S Hol, Arjan J Bosman (Nijmegen)

11h38  Loudness perception in hearing aid rehabilitation
Maarten van Beurden, Monique Boymans, Mirjam van Geleuken, Dirk Oetting, Birger Kollmeier, Wouter A. Dreschler (Amsterdam)

11h50  Vestibular Infant Screening (VIS)-Flanders: sensitivity and refinement of the vestibular screening protocol for hearing-impaired children in Flanders
Sarie Martens, Ingeborg Dhooge, Cleo Dhoondt, Marieke Sucaet, Saartje Vanaudenaerde, Lotte Rombaut, Leen Maes (Gent)

12h14  A 5-year prospective study of vestibular loss in children with congenital cytomegalovirus infection
C. Dhondt, L. Maes, S. Martens, S. Vanaudenaerde, L. Rombaut, H. Van Hoecke, E. De Leenheer, Ingeborg Dhooge (Gent)

12h15  General Assembly B-Audio

12h30 - 13h00: Poster discussion II

13h00  Lunch

Session: Oral contributions III: Audiology in its broadest sense: Varia

Moderators: Allart Knoop (Rotterdam) & Astrid van Wieringen (Leuven)
14h00 Cochlear synaptopathy in the ageing population
H. Van Der Biest, H. Keppler, I. Dhooge, S. Keshishzadeh, S. Verhulst (Gent)

14h12 Cochlin deficiency protects against noise-induced hearing loss in aged mice
Dorien Verdoodt, Noa Peeleman, Krystyna Szewczyk, Guy Van Camp, Peter Ponsaerts, Vincent Van Rompaey (Antwerp)

14h24 Cognition within audiological practice: the knowledge, awareness, and experience of audiologists
Kestens Katrien, Degeest Sofie, Keppler Hannah (Gent)

Session: New avenues/possibilities in hearing care
Moderators: Patrick Verheyden (Brussels) & Patrick Brienesse Amsterdam

14h40 The Burnout Assessment Tool (BAT), and the possible relation between disabilities, hearing loss and burnout
Steffie Desart (Mechelen)

15h00 Study on the relation of hearing loss, hearing care and pre-burn-out signals and overall functionality
Mark Laureyns (Antwerp)

15h20 Challenges in Vocational Audiology: for listeners with impaired hearing in the working place and for audiology as well
Theo Goverts (Amsterdam)

15h40 Efficacy of audiological rehabilitation: a RCT trial in persons with hearing instruments
Astrid van Wieringen (Leuven)

16h00 Closing
Jan Wouters (Leuven)

Posters NVA & B-Audio

P1: 2BALANCE: Cognitive-motor dual-tasking in persons with vestibular dysfunction
Maya Danneels, Ruth Van Hecke, Laura Leyssens, Dirk Cambier, Raymond van de Berg, Vincent Van Rompaey & Leen Maes (Gent)

P2: Speech envelope enhancement as an intervention for dyslexia: the impact on neural tracking of rise times
Shauni Van Herck, Femke Vanden Bempt, Maria Economou, Jolijn Vanderauwera, Toivo Glatz, Maaike Vandermosten, Pol Ghesquière & Jan Wouters (Leuven)

P3: Auditory skills of children with single-sided deafness and a cochlear implant
Tine Arras, Birgit Philips, Christian Desloovere, Jan Wouters, Astrid van Wieringen (Leuven)
P4: A case-controlled study: cognitive performances in vestibular-impaired school-aged children
Ruth Van Hecke, Frederik JA Deconinck, Ingeborg Dhooge, Hilde Van Waeselde, Jan Wiersema, Leen Maes (Gent)

P5: Bone versus air conduction: Intracochlear OCT vibrometry and psychoacoustic testing
Lore Kerkhofs, Anastasiya Starovoyt, Tristan Putzeys, Nicolas Verhaert (Leuven)

P6: Adapting AVATAR to research audio-visual integration in children
Lyan Porto, Jan Wouters, Astrid van Wieringen (Leuven)

P7: Neural generators underlying binaural integration in normal hearing children
Silvana Huertas-Penen, Robin Gransier, Jan Wouters, Astrid van Wieringen (Leuven)

P8: Assessing the clinical value of objective and patient-reported audio-vestibular outcome measures in the risk estimation of systemic cobalt toxicity for patients with a metal-on-metal hip implant
L. LeyssensL, Bart Vinck, C. Van Der Straeten, Ingeborg Dhooge, FL Wuyts, PV Winnock de Grave, F. Bataillie, J. Van Melkebeek, K. De Smet, R. Van Hecke, M. Danneels, I. Maes (Gent)

P9: Resource allocation in a posture-listening dual-task for normal-hearing young and middle-aged adults
Mira Van Wilderode, Nathan Van Humbeeck, Ralf Krampe, Astrid van Wieringen (Leuven)

P10: Evaluating the revised work rehabilitation questionnaire in cochlear implant users

P11: Investigating the utility of auditory steady-state responses for the objective determination of threshold-levels for clinical stimulation settings
Elise Verwaerde, Robin Gransier, Jan Wouters (Leuven)

P12: Evolution of speech perception performance after cochlear implantation and its relation to rehabilitation intensity
Lieselot Van Deun, Ann Dierckx, Ellen Boon, Sara Magits, Sam Denys, Christian Desloovere, Nicolas Verhaert (Leuven)

P13: Cortical auditory evoked potentials and their relevance to cognitive impairment: a scoping review
Hanne Gommeren, Joyce Bosmansa, Emilie Cardon, Griet Mertens, Patrick Cras, Sebastiaan Engelborghs, Angelique Van Ombergen, Annick Gille, Marc Lammers, Vincent Van Rompaey (Antwerp)

P14: Communicating emotion: Vocal production of linguistic and emotional prosody in children with cochlear implants, hearing aids, and normal hearing
Tjeerd J. de Jong, Marieke Hakkesteegt, Marc P. van der Schroeff, Jantien L. Vroegop (Rotterdam)

P15: Translation and validation of the hearing environments and reflection on quality of life
(HEAR-QL) Questionnaire for preschool children in Dutch
C. Batthyany, M. van der Schroeff, J. Vroegop (Rotterdam)

P16: Determinants of hearing-specific quality of life in children and adolescents with hearing aids or cochlear implants
C. Batthyany, M. van der Schroeff, J. Vroegop (Rotterdam)

P17: The clinical follow up of psychosocial difficulties in children with hearing loss: one year of patient reports
Tjeerd J. de Jong, Marc P. van der Schroeff, Jantien L. Vroegop (Rotterdam)

P18: Improving hearing device fitting with virtual reality
Maartje M. E. Hendrikse, André Goedegebure (Rotterdam)

P19: Survival of LGR5 positive supporting cells following ototoxic trauma in the adult mouse cochlea
Natalia Smith-Cortinez, Rana Yadak, Ferry G.J. Hendriksen, Eefje Sanders, Dyan Ramekers, Robert J. Stokroos, Huib Versnel, Louise V. Straatman (Utrecht)

Posters of Audiology students

P20: Het effect van aandachtswisselingen en sprekerpositie op auditieve aandachtsdetectie
Sofie Keysers (KU Leuven)

P21: Evaluation of children’s listening and processing skills, een oudervragenlijst voor kinderen met taal- en verwerkingsproblemen (Voortzetting van de normering voor Vlaamse kinderen)
Liesbeth Vander Velde (KU Leuven)

Anja Taevernier, Mylène Van Elslander (UGent)

P23: Is een vestibulaire stoornis een risicofactor voor het verhoogd valrisico bij personen met de ziekte van Parkinson.
Helena De Jongh (UGent)

P24: Het effect van het auditief-cognitief functioneren op het hoortoestelvoordeel.
Louise Van Goylen (UGent)

P25: État des lieux des pratiques de l’audiologie clinique et prothétique en Belgique francophone
Odile Henrion (Haute Ecole de Léonard de Vinci, Brussels)

P26: L’Efficacité de la neuromodulation electrique transcrânienne (HD t-DCS) dans le traitement des acouphènes
Quentin Sabiron (Haute Ecole de Léonard de Vinci, Brussels)

P27: Occupational noise induced hearing loss : Gedragsverandering als preventiestrategie
Laura Courtens (Arteveldehogeschool, Gent)

P28  Nieuwe genetische inzichten binnen audiologie
Yoni Janssens (Arteveldehogeschool, Gent)

P29: Evaluation of a new self-test version of the acceptable noise level (ANL) test
Hanne Deconinck (Thomas More Antwerpen)

P30: The impact of environmental factors of the ICF on tinnitus: a systematic review
Lineke Smit (Thomas More Antwerpen)

P31: The Thomas More CVC lists for speech self-test audiometry in noise: response time to self-sampling as a measure of listening effort
Valerie Van Genechten (Thomas More Antwerpen)

P32: Onderzoek naar het gebruik van gehoorbescherming bij (semi)professionele muzikanten in de lichte muziek in Vlaanderen & Brussel
Tibor Pokuta (HOGent)

P33: Use of the ABR and speech-in-noise test as a diagnostic tool for Hidden Hearing Loss - a review
Sarah Buysschaert en Lisa Catteuw (VIVES Brugge)

P34: Relevance of ocular vestibular evoked myogenic potentials in patients with BPPV - a review
Hélène Van Neste (VIVES Brugge)