

Poster Program

Posters will be displayed in the Ballroom (Mesa Grande) side A/B/C through Friday afternoon. Please visit and show support to our wonderful presenters! Presenters, please set up your board according to your assigned number below.

Access to Care In Low-Resource Environments

1) Telehealth-enabled bone conduction device programming for children living in rural communities - Presented by: Annie Wang

Bone Conduction Hearing Science

4) Higher frequencies advantage improved subjective evaluation of the new transcutaneous partially implantable bone conduction hearing system Osia - Presented by: Elsaeid Alieldin

5) Cross-talk Cancellation in Bilateral Bone Anchored Hearing Aids - Presented by: Ryan Barnsley 🏆

6) Experience and satisfaction on hearing performance with Ponto sound processors - real-world data from the IOI-HA questionnaire - Presented by: Nicole Amichetti

7) Evaluation of the Ponto BHX bone anchored hearing system in a pediatric population with atresia and congenital hearing loss (12-month follow-up) - Presented by: Maria Åberg Håkansson

8) Ponto implantation in a male patient with single sided deafness who underwent resection of relapsing cholesteatoma after receiving lateral petrosectomy. - Presented by: Isabella Guggenberger

9) Evaluation of a sound processor for an active transcutaneous system - Presented by: Ann-Charlotte Persson

10) Preoperative use of Otoplan Software for Bonebridge Surgery in difficult anatomical conditions - Presented by: Adrian Piec

Binaural Hearing

2) Bone-anchored hearing aids used bilaterally: scope review - Presented by: Gabriela Fireman Martines Dias

3) Bilateral percutaneous bone-anchored hearing aid: preliminary results - Presented by: Valdéia Vieira de Oliveira

Bone Conduction Hearing Science - Continued

11) Impact of Head Support Conditions on Bone Conduction: A Finite Element Study - Presented by: Jongwoo Lim

12) Etiological, audiological profile and the effect of using bone-anchored hearing instruments - Presented by: Gabriela Fireman Martines Dias

13) Social profile and quality of life of bone conduction hearing devices users - Presented by: Valdéia Vieira de Oliveira

Evaluation, Fitting and Verification

14) The importance of precise diagnostics and a collaborative multi-disciplinary approach in determining best implantable solution and outcome for complex cases. - Presented by: Meghan Brady

15) Development and Validation of an Improved Skull Simulator for Bone Anchored Hearing Device Frequency Response Measurement - Presented by: Martin Johansson

16) Clinical Cost Analysis between Transcutaneous and Percutaneous Bone Conduction Devices - Presented by: Tjerk W. Aukema

17) Verification/validation options when working with children with bone conduction hearing devices - Presented by: Catherine Moyer

18) Development of the ADHEAR Skull Simulator Adapter - Presented by: Jonas Lochner

19) Why to use specific audiological protocol for evaluating Bone anchored hearing device? - Presented by: Isabela Jardim

20) Hearing in noise test in Piezoelectric bone hearing device users: A case study - Presented by: Isabela Jardim

21) Verification of Cochlear Bone Anchored Hearing Devices (BAHD) with the use of the Skull Simulator - Presented by: Randi Tepper

22) Need to Change Reference Equivalent Threshold Force Levels (RETFLs) in the American and International Audiometer Standards: Evidence of the False Air-bone Gaps - Presented by: Suzannah Boyle 🏆

22) Technical Background of the Vibrogram In-Situ Measurement for the Active Bone Conduction Implant BONEBRIDGE - Presented by: Hamidreza Mojallal Boyle

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Future Directions

24) Implant safety at 7 T magnetic resonance imaging - Presented by: Guy Fierens

25) Comparing Modeling Approaches in Cost-Effectiveness Modeling of Bone Conduction Implants (BCIs): Longitudinal Cohort Analysis vs. Microsimulation? - Presented by: Klaas Kieseewetter

26) Challenges and opportunities to optimize the course of craniofacial implant surgery. - Presented by: Magdalena Błaszczuk

27) A comparison of commercially-available non-clinical bone conduction personal listening devices. - Presented by: Nik Stanokovic

Measuring Hearing Outcomes

28) Prediction of speech understanding with the transcutaneous partially implantable bone conduction hearing system Osia® - Presented by: Susan Arndt

29) High frequency gain and maximum output effects on speech recognition in bone conduction hearing devices: Blinded study - Presented by: Byanka Cagnacci

30) Impact of delayed Access to hearing rehabilitation surgery with Cochlear Implantation in the COVID era - Presented by: Neil Killick

Evaluation, Fitting and Verification

31) Audiological and patient reported outcomes from 3 years of bone-anchored hearing system fittings. - Presented by: Ian Cahill

32) Self-Rated Benefits of Auditory Performance after Bonebridge Implantation in Patients with Conductive or Mixed Hearing Loss, or Single-Sided Deafness- Presented by: Piotr Skarzynski

33) Hearing Rehabilitation in COM cases: what is your choice?- Presented by: Rafael Jaramillo

34) Investigating hearing with Ponto 4®, a bone anchored hearing solution. - Presented by: Chris Ladefoged Jacobsen

35) Comparison between Baha® 5 and the new Baha 6 Max sound processors: initial results among Baha Attract users - Presented by: Zsofia Bere

36) Transcutaneous Bone Conduction Device Outcomes in Patients with Mixed Hearing Loss - Presented by: Ghazal Daher

Middle Ear Devices

37) Speech perception and hearing effort using the new SAMBA 2 active middle ear implant audio processor - Presented by: Torsten Rahne

38) Forward and backward stimulation of the cochlea and its effect on sound transmission using a floating mass transducer - Presented by: David Stauske

39) Long term audiological results and coupling efficiency of a middle ear implant coupled to the round window- Presented by: Nicole Knölke

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New Technologies

40) Technical Background of the Vibrogram In-Situ Measurement for the Active Bone Conduction Implant BONEBRIDGE - Presented by: Hamidreza Mojallal Boyle

41) Implantation of two generations of Bonebridge after mastoid obliteration with bioactive glass S53P4 - Presented by: Piotr Skarzynski

42) Bone tissue response of laser ablated BAHS implant: long-term in vivo study in sheep cranial bone. - Presented by: Martin L. Johansson

43) MRI compatibility for a novel active transcutaneous bone conduction implant system. - Presented by: Martin L Johansson

Pediatrics

44) Percutaneous Bone-Anchored Hearing Implant Surgery: Do Syndromic Children Have More Adverse Peri-operative Outcomes - Presented by: Marco Bianchi

45) Single-stage Bone-Anchored Hearing Implant Surgery in Children: the Preliminary Results of a Prospective, High-Powered Controlled Trial - Presented by: Emma M. Teunissen

46) The Outcome of Bone-Anchored Hearing Aid (BAHA) on Children with Different Aetiologies - Presented by: Ying Guo

Pediatrics Continued

47) From diagnosis to softband to implantable device: The New York Eye and Ear pediatric atresia/microtia protocol. - Presented by: Sophie Werk

48) Influence of primary language on bone conduction hearing device compliance among pediatric patients- Presented by: Flor Jasmin Torres

49) Clinical Protocol of Bone-Anchored Hearing Devices in Children: Brazilian Reality - Presented by: Valdéia Vieira de Oliveira

50) Hearing performance and soft tissue outcomes of minimally invasive Ponto surgery associated to the local anesthesia in children and teenagers with unilateral craniofacial malformation. - Presented by: Andrea Caruso

Surgical Outcomes and Considerations

51) Bone conduction hearing device selection strategy in combined surgery with auricular reconstruction and auditory implantation - our experience - Presented by: Ghazal Daher

52) Metal artefact reduction sequences for a piezoelectric bone conduction implant using a realistic head phantom in MRI - Presented by: Guy Fierens

53) Bone-anchored hearing implants - our outcomes with different devices - Presented by: Mark Praetorius

54) Mastoid Bone Thickness Assessment in Children and Adults: Consequences for Placement and Pre-Operative Planning of a Novel Bone Conduction Implant - Presented by: Torsten Rahne

55) A Retrospective Audit of Complications in Bone Anchored Hearing Aids (BAHA) - Presented by: Sophie McCreadie

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Surgical Outcomes & Considerations

56) Characterization of staphylococcal clinical isolates obtained from the bone-anchored hearing system and relation to clinical outcome - Presented by: Marsel Ganeyev 🏆

57) Simultaneous Bilateral Bone Bridge Implantation in a Two-Year-Old Child with Atresia of the External Auditory canal: A Case Report - Presented by: Thomas Mayr

58) Evaluation of surgery and the audiological and quality of life benefits of an active bone conduction hearing implant Osia® 2 - Presented by: Wojciech Gawęcki

59) Long-term results of the linear incision technique with tissue reduction versus tissue preservation for inserting bone-anchored hearing implants. The ongoing optimization in bone implant surgery. - Presented by: Jantine Lindeboom

60) Health economic cost analysis for the bone anchored hearing system, comparison between the Minimally Invasive Ponto Surgery and the Linear Incision Technique with Tissue Preservation - Presented by: Robert Stokroos

61) Bone anchored hearing device: Postoperative considerations and outcomes of a Brazilian medical public service. - Presented by: Isabela Jardim

62) A comparative study of audiological outcomes and compliance between the Osia system and other bone conduction hearing implants. - Presented by: Byung Yoon Choi