

Wednesday September 6, 2023

start	end	Atrium
13:00	19:00	Registration
13:00	17:00	Exhibitors
13:00	17:00	Poster Setup
17:00	19:00	Welcome Reception and Poster Session Welcome from Conference Hosts

Thursday, September 7, 2023
Theme: Evolution

start	end	Ballroom																																																
7:00	→ 8:30	Cochlear Corp Breakfast Symposium																																																
8:30	→ 9:00	Welcoming and Opening Remarks for Scientific Day #1 Conference Co-Chairs Stephen Cass and Hillary Snapp																																																
9:00	→ 9:45	Keynote Lecture: Evolutionary Adaptations towards Bone Conductions Hearing Prof. Matthew J Mason, SFHEA, FRSB, FAcadMED Professor of Comparative Physiology University of Cambridge, Department of Physiology, Development and Neuroscience Moderator: Stephen Cass																																																
9:45	→ 10:00	AM Coffee Break - Exhibits / Posters @ Atrium																																																
10:00	→ 12:00	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Surgical Outcomes and Considerations</th> <th style="width: 25%;">Bone Conduction Hearing Science 1</th> <th style="width: 25%;">Audiological Outcomes</th> <th style="width: 25%;">Industry</th> </tr> </thead> <tbody> <tr> <td>Mesa Verde</td> <td>Ballroom</td> <td>Highlands Amphitheatre</td> <td>Wind River</td> </tr> <tr> <td>Moderator: Piotr Skarzynski</td> <td>Moderator: Christof Roosli</td> <td>Moderator: Chrisanda Sanchez</td> <td></td> </tr> <tr> <td>10:00 10:10 Evaluation of implant stability and audiological benefit of the Ponto BHX bone anchored hearing system following a one-stage surgical implantation procedure in a pediatric population. Anirvan Banerjee</td> <td>Middle Ear Optical Coherence Tomography (ME-OCT). 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11:30	11:40	Age-related changes in temporoparietal bone material properties influence stability of bone-anchored hearing implants Aren Bezdjian	<p style="text-align: center;">Panel Bone Conduction Blast. What we need to know about Bone Conduction Hearing</p> <p style="text-align: center;">Chair: Christof Roosli Jacqueline Cummine, Nicole Jiam, Stefan Stenfelt</p>	Active Transcutaneous Bone Conduction Implant in Children: Objective and Subjective Benefits Katarzyna Cywka	
11:40	11:50	An examination of microbiological and structural interactions between implants and tissues in a cohort of extracted bone-anchored hearing implants Marsel Ganeyev (Student Investigator Award)		Objective measurement of audibility for patients with bone conduction devices using a new skin microphone. Ann-charlotte Persson	
11:50	12:00	OSIA*2 in conductive and mixed hearing loss: experience in a large number of patients. Francisco Gonzalez Eslait		Auditory and Speech Performance in Patients following Cochlear™ Osia® System and Transcutaneous Baha® Implantation Mohamed Ibrahim Grada	

Lunch - Networking / Exhibits / Posters
Atrium

12:00 → 13:00

start end
13:00 → 14:40

		Plenary Session: Binaural Hearing		Industry
		Ballroom		Wind River
		Moderator: Myrthe Hol		
13:00	13:30	Leveling up spatial hearing: For a couple of ears, it's time Andrew Brown, PhD Associate Professor Director, SPHSC PhD Program University of Washington		Cochlear Corp Workshop
13:30	13:40	Functional benefits of bilateral bone anchored hearing devices (BAHD) for children and adults with conductive and mixed hearing losses René Gifford		
13:40	13:50	Sound Localization with Bilateral Bone Conduction Devices Myrthe Hol		
13:50	14:00	Neural correlates of selective attention in adults with a simulated conductive hearing loss wearing BAHS Marcus Holmberg		
14:00	14:10	Inter-aural separation during hearing by bilateral bone conduction stimulation Stefan Stenfelt		
14:10	14:20	Superior sound localisation with bilateral middle ear implants Martijn Agterberg		
14:20	14:40	Panel Binaural Blast: What we need to know about Binaural Hearing Chair: Myrthe Hol Hillary Snapp, Daniel Tollin, René Gifford		

PM Coffee Break - Exhibits / Posters

14:40 → 15:00

start end
15:00 → 17:00

		Surgical Outcomes and Considerations 2	Verification and Outcome Measures	Bone Conduction Hearing Science 2	Industry
		Mesa Verde	Ballroom	Highlands Amphitheatre	Wind River
		Moderator: Luis Lassaletta	Moderator: Bill Hodgetts	Moderator: Astrid Magele	
15:00	15:10	Evaluation of osseointegration of percutaneous bone anchored hearing implants as a function of surgical technique Arnaud Deveze	How To Reduce Random Error (Noise) and Systematic Error (Bias) in Our Bone Conduction Fittings Bill Hodgetts	Assessing the Accuracy of Preclinical Evaluation Techniques for Bone Conduction Devices Irina Wils (Student Investigator Award)	Cochlear Corp Workshop
15:10	15:20	Long-term follow-up of a wide diameter bone anchored hearing implant: 10-year experience on stability, survival and tolerability of an implant loaded at 3 weeks post-surgery Myrthe Hol		RETFL for active transcutaneous devices – beware of the A/B effect Marcus Holmberg	
15:20	15:30	Petrosectomy and bone conduction implant, an alternative for early auditory rehabilitation in patients with COM Rafael Jaramillo		Static and dynamic computational modeling and analysis of the bone-implant interface of the bone-anchored hearing implant-abutment system Boyuu Pan	

15:30	15:40	Surgical site comparison of two active implantable transcutaneous bone conduction hearing aid generations Benjamin Loader	A New Method to Determine Maximum Output of a Transcutaneous Active Bone Conduction Implant Mohammad Ghoncheh (Early Career Award)	Speech in noise with bilateral active bone conduction implant for conductive and mixed hearing loss Andrea Canale	MED-EL Workshop
15:40	15:50	Long-term Clinical Outcomes of Percutaneous Implants for Bone Conduction Devices: Prospective Five Year Evaluation of Different Implant Designs and Surgical Techniques Myrthe Hol	Assessing listening effort and speech intelligibility in users of bone- anchored hearing systems. William Brassington	Comfort and safety of a novel device for attaching bone-anchored hearing aid processors Jonathan Reid	
15:50	16:00	Removal of Prior Generation BAHAs and Staged Implantation with Active Transcutaneous Devices: Surgical Outcomes and Approach to Management Neil Patel	Auditory Conduction Equal-Loudness (ACE): A review of auditory equal-loudness methods. Rafael Patrick	Temporal bone 3D motion and intracochlear pressure under bone conduction: a hybrid FEM and experimental study Ivo Dobrev	
16:00	16:10	Outcomes and experience of a new one-step drill system (MONO) for bone anchored hearing procedures – results from a multicentre study of 51 patients Harry Powell	Predicting In-Situ Bone Conduction Device Thresholds from Audiometric Thresholds Marlene Bagatto	In-vivo investigation of the Skull Bone Sound Waves under Bone Conduction Christof Roosli	
16:10	16:20	Tissue classification following bone anchored hearing implant surgery: A machine learning approach to monitoring skin response Jacqueline Cummine	Head Simulator 2 - the development of a novel bone conduction measurement interface Henrik Fyrlund	Influence of the head boundary conditions on the skull bone motion under bone conduction Ivo Dobrev	
16:20	16:30	Early surgical and audiologic outcomes of the Osia, transcutaneous bone conduction hearing device in a paediatric cohort Sunil Sharma	Assesing our Ability to Meet the DSL-BCD v1.1 Targets for Percutaneous Bone-Conduction Users: A Retrospective Review of our Last 100 Fittings Alex Gascon	Basilar membrane and organ of Corti vibration in guinea pigs measured with OCT during bone conduction stimulation Stefan Stenfelt	
16:30	16:40	Our Experience After A Decade Of Combining Hearing Implants With Autologous Auricular Reconstruction Alex Bennett	In the dynamic properties of the non-invasive bone-conduction device ADHEAR™ Michael Lauxmann	Investigation of bone conduction efficiency at various positions Alexander du Puits	
16:40	16:50	Cortical measurement of the temporal bone with computed tomography in children from 2 to 4 years old in Mexico National Rehabilitation Institute as a planning method for active transcutaneous bone conduction hearing aids placement. Ivan Schobert	Safety of Bonebridge - Comparison of patient-relevant events Burkard Schwab	Pilot Study of Patients who do or could Utilize a Bone Anchored Hearing Implant (BAHI): Preliminary Review of Cognition & Hearing Performance Marsadi Layne Parliament (Early Career Award)	
16:50	17:00	Innovations to implanting the OSIA® 2 bone conduction hearing aid: new incision and flexible placement Jose Agustin Caraballo	Electroacoustic evaluation of the bone conduction transducer B250 for vestibular and hearing diagnostics in comparison with Radioear B71 and B81 Karl-Johan Fredén Jansson	Sound lateralization under bilateral bone conducted stimulus by a virtual acoustical system Liu-Jie Ren	

Adjourn

Friday, September 8, 2023

Theme: Sharing

Ballroom

start end

7:00 → 8:30

8:30 → 8:45

MED-EL Breakfast Symposium

Remarks for Scientific Day #2

8:45 → 10:45

Plenary Session:Pediatrics

Ballroom

Moderator: Ann Louise McDermott

Industry

Wind River

8:45 9:15

Cortical Neuroplasticity in Pediatric Hearing Loss: Clinical Implications

Anu Sharma , PhD

Professor
Associate Chair
University of Colorado, Boulder

9:15 9:25

Implantation of the second generation of the Bonebridge in children under 5 years

Kerstin Willenborg

9:25 9:35

Advancement of patient care in a pediatric microtia and aural atresia multidisciplinary clinic

Kirsten Adkisson

9:35 9:45

Subjective Fatigue in Children with Unaided and Aided Unilateral Hearing Loss

Myrthe Hol

9:45	9:55	Osia*2 Implantation in Age < 12 Years Lauren Pinzas
9:55	10:05	BONEBRIDGE Implantation in Pediatric Patients Age 11 Years and Younger: Is It Safe and Effective? Kaitlyn Brooks
10:05	10:15	Clinical Consensus Document for Fitting Non-Surgical Transcutaneous Bone Conduction Hearing Devices to Children Laurie Mauro
10:15	10:45	Panel Little Ears: Early intervention Best Practices in Bone Conduction Hearing Chair: Hillary Snapp Megan Hedman, Chrisanda Sanchez, Laura Mauro, Anu Sharma

10:45 → 11:00

AM Coffee Break - Exhibits / Posters @ Atrium

start end

11:00 → 12:30

	Pediatrics 2	SSD	Surgical Outcomes and Considerations 3	Industry
	Mesa Verde	Ballroom	Highlands Amphitheatre	Wind River
	Moderator: Sharon Cushing	Moderator: Renee Banakis Hartl	Moderator: Jack Wazen	
11:00	11:10	Osia Implantation in the Paediatric Population: Surgical approach and bespoke surgical planning Hanneke Bruijnzeel	Cochlear implants for single sided deafness: Improved sound-localization performance without processing of binaural cues Martijn Agterberg	Medical and device related adverse events in Osia* 2 Jose Agustin Caraballo
11:10	11:20	Candidacy and surgical considerations in the application of Osia2* in large cohort of children as young as 5 years of age. Sharon Cushing	Sound Localization in Active Transcutaneous Bone Conduction Implant Users with Single-Sided Deafness Madison Epperson (Student Investigator Award)	Feasibility of a novel, one-stage, drill system for bone-anchored hearing implants Martin L Johansson
11:20	11:30	Auditory Outcomes and Safety Assessment of Bonebridge Implantation in Patients with Bilateral Microtia Aged 5 Years and Younger Qiu Yinyi	OSIA in Single-Side Deafness: Surgical and audiological outcomes Jose Eduardo Guzman	Alternative Skin Incision for Baha Attract System: Personal Experience Maciej Wróbel
11:30	11:40	Pediatric Limited Usable Hearing Unilaterally (LUHU): A scoping review of treatment and management considerations Christine Brown	Guidelines for deciding between cochlear implantation and bone anchored devices for adults with significant hearing in one ear Claire Iseli	A comparative study of chronic pain between the new Osia system, percutaneous Bone-anchored hearing aids and Cochlear implants. Mridul Rana (Early Career Award)
11:40	11:50	The Safety and Audiologic Benefit of Replacing Sophono Bone Conduction Hearing Devices with Bonebridge or Osia in Pediatric Patients Anastasia Kolousek	Performance in Speech Discrimination in Noise in Patients with Unilateral Profound Hearing Loss Users of an Active Piezoelectric Bone Conduction Auditory Prosthesis Francisco Gonzalez Eslait	Preliminary Investigations on MRI-induced artifacts from the Osia 2 System Adam Perenyi
11:50	12:00	Initial experience with the Cochlear Osia*2 osseointegrated implant to treat conductive hearing loss in children Mark Felton	Data Driven Device Selection for SSD Barbie Bell , Cory Portnuff	Evaluating risk factors and comorbidities associated with OSIA2 implantation Pavel Kipnis
12:00	12:10	OSIA - Implant placement depending on age group in children Bere Zsofia		Ten years and 228 surgeries later; we suggest that minimally invasive surgery for bone anchored hearing implants is here to stay. Miguel Angelo Hyppolito
12:10	12:20	The Transition from Abutment to Active Transcutaneous Bone Conduction Hearing Devices In Pediatric Patients Kaitlyn Brooks (Student Investigator Award)		Magnetic Resonance Imaging Artifact Associated with Transcutaneous Bone Conduction Implants: Cholesteatoma and Vestibular Schwannoma Surveillance Ashley Nassiri
12:20	12:30	Management of Single Sided Deafness in a Pediatric Population Annemarie Wollet		Performance outcomes with laser-ablated BHX implants for bone-anchored hearing procedures – 3-month data from a multi centre study of 50 patients Rupan Banga

MED-EL Workshop #2

12:30 → 13:30

Lunch - Networking / Exhibits / Posters
Atrium

start end

13:30 → 15:00

	Pediatrics 3	Middle Ear	Audiological and Surgical Considerations	Industry
	Mesa Verda	Ballroom	Highlands Amphitheatre	Wind River
	Moderator: Sarah Gitomer	Moderator: Hannes Maier	Moderator: Peter Monksfield	

13:30	13:40	Paediatric Percutaneous Bone Anchored Hearing Aid Implant Failures: Comparing the Experience of a Tertiary Center with a Systematic Review of the Literature and Meta-Analysis. Callum Shields	What can we learn for bone conduction devices from active middle ear implants? The role of maximum output and necessary dynamic range Hannes Maier	Active bone conduction device implantation: OSIA® under local anesthesia and sedation Jose Agustin Caraballo	Cochlear Corp Workshop #2
13:40	13:50	The outcome of children after OSIA-2 Implantation: safety, auditory outcome, and quality of life Faisal Zawawi	Is age a limitation for middle ear and bone conduction implants? Hearing and quality of life outcomes Luis Lassaletta	Effectiveness and stability of audiological, functional and surgical outcomes after implantation of an active bone conduction device Piotr Skarzynski	
13:50	14:00	Best Practices and Clinical Experience in Children with Bone Conduction Hearing Devices (BCHDs) Erin Holman	Hearing rehabilitation and microbial shift after middle ear surgery with Vibrant Soundbridge in patients with chronic otitis media Karl-Ludwig Bruchhage	A Retrospective Cost Analysis of Soft Tissue Complications of Percutaneous Bone Anchored Hearing Aids (BAHA) – A Series of 137 Consecutive Patients Neil Killick	
14:00	14:10	A comparative study between audiological and speech outcomes of a non-implantable wearing options for BAHA in pediatric population Mohamed Garrada	Intraoperative Estimation of the Coupling Efficiency of Active Middle Ear Implant for Different Types of Couplers Using Frequency-Specific Auditory Steady-State Responses Mario Cebulla	Hearing performance of the Osia®2 System in patients with microtia-atresia Rafael Jaramillo	
14:10	14:20	Demography of the Cochlear™ Osia® 2 System pediatric study: diversity in clinical trials Catherine Moyer	Comparison of Auditory Brainstem Response (ABR) and Electrocochleography (ECoChG) Measurements for Evaluating Coupling Efficiency in Active Middle Ear Implants Tom Gawliczek	Bilateral Osia® Bone Conduction Device: Evaluation of hearing performance in noise Leonardo Ordoñez	
14:20	14:30	Mapping the standard of care and health outcomes in patients with chronic otitis media Susan Arndt	Hearing improving surgery or middle ear implant? Lifetime costs of the Vibrant Soundbridge (VSB) compared to alternative treatment options Markus Krohn (Early Career Award)	Bone conduction threshold measurements in patients with bone conduction devices – a comparison of available methods Maciej Wróbel	
14:30	14:40	Active bone conduction device programming trends in pediatric patients with conductive hearing loss: A single center experience Melissa Tribble		Skull Simulator: Verification of prescribed force levels by the DSL-BC rule in percutaneous bone anchored hearing devices users. Gabriela Fireman Martines Dias (Early Career Award)	
14:40	14:50	Adhesive Bone Conduction Device Long Term Result and Subjective Benefit in Children with Aural Atresia Mario Zernotti		10 years' experience with the Bonebridge: the old and new generation in comparison BCI601 and BCI602 Astrid Magele	
14:50	15:00	Datalogging in a Cohort of Children Receiving Osia2® Sharon Cushing		Long-term follow-up of the Bone Conduction Implant Ssabine Reinfeldt	

start end
15:15 → 15:45

OSSEO Award Lecture

Ballroom

Moderator: Hillary Snapp

Improving the evidence base of audiological indication ranges from pre-clinical and clinical measurements
Hannes Maier, PhD
Professor of Experimental Otolology
Hannover Medical School

Adjourn

17:00
18:00 → 22:00

Bus to Denver Museum

Boots & Bling Banquet
Denver Art Museum

Saturday, September 9, 2023
Theme: Giving Back

start end
7:00 → 8:30
8:30 → 8:45
8:45 → 10:45

Ballroom

Oticon Medical Breakfast Symposium

Remarks for Scientific Day #3

OSSEO 2025 Announcement

Plenary Session: Frugal Technology

Ballroom

Moderator: Fred Telischi

8:45 9:30

An Ultra-Low-Cost Hearing Aid for Age-Related Hearing Loss and Other Frugal Inventions.

Saad Bhamia, PhD

Assistant Professor
Georgia Tech

9:30 10:30

Panel
Expanding Global Access to Bone Conduction Implant Technology: Unmet need, cost-effectiveness and clinical practice

James Saunders, Patricia Castellanos, Carolina Der

10:30 → 11:30

Ballroom

Advocacy Brunch

Moderator: Hillary Snapp

Microtia & Atresia - Ally's Journey & Advocacy through Ear Community
Melissa Tumblin

start end
11:30 → 13:20

Quality of Life/ Access to Care	New Technologies	Atresia	Industry
Mesa Verde	Ballroom	Highlands Amphitheatre	Wind River
Moderator: Stephen Cass	Moderator: Aaron Remenschneider	Moderator: Alex Bennett	
11:30 11:40 Does Social Deprivation Affect Uptake of Auditory Implantation in Eastern Scotland? Patrick Spielmann	Preclinical output performance evaluation of the novel active transcutaneous bone conduction implant Sentio Hannes Maier	The Costs of Unaddressed Hearing Loss in Chilean Children with Bilateral Microtia and External Auditory Canal Atresia and Cost Effectiveness of Different Treatment Interventions Klaas Kiesewetter	
11:40 11:50 Job satisfaction and quality of life in adult users of bone conduction hearing devices pre- and post-implantation: a 1-year follow-up study Håkan Hua	Sentio the new transcutaneous bone conduction hearing implant from Oticon Medical: The UK surgical experience and early clinical results Peter Monksfield	Audiological and plastic rehabilitation of atresia patients Anke Leichte	
11:50 12:00 Bone anchored hearing aids (BAHA): Life changing surgery. A quality-of-life (QoL) study reporting the impact of BAHA surgery on patient's general, physical, psychological, and social wellbeing. Rachael Collins	Shielding of the B250 transducer to reduce the artifact in auditory brainstem response investigations Karl-Johan Fredén Jansson	Audiological performance and subjective satisfaction between surgical and non-surgical bone conduction hearing aids in patients with aural atresia. Mario Emilio Zernotti	
12:00 12:10 From Percutaneous to Transcutaneous: Hearing Outcomes and Quality of Life in transitions between Bone Conduction Implant. Leonardo Ordoñez	Is hearing through bone conduction headsets bone conduction? Stefan Stenfelt	An Adhesive Bone Conduction Hearing Aid for Mandarin-Speaking Children with Unilateral Congenital Aural Atresia Shouqin Zhao	
12:10 12:20 Long-term speech perception and quality of life outcomes in adults with the active transcutaneous osseointegrated bone-conduction implant system Osia Thomas Wesarg	Evaluating and optimizing the performance and design of a new bone conduction device. Patrik Westerkull	Microtia and Atresia in Latin America Luis Serrano	
12:20 12:30 Exploring the Influence of Price Anchoring and Emphasis Framing on Willingness to Purchase Hearing Aids Craig St. Jean	Liminal Spaces – A multimodal immersive auditory experience Rafael Patrick	ADHEAR versus passive bone conduction implants in children with aural atresia Javier Gavilan	
12:30 12:40 Need for Action: The Costs of unaddressed Hearing Loss in Brazilian Children and Cost-Effectiveness of Interventions Michael Urban	First Clinical Experience from a Novel Active Transcutaneous Bone Conduction Implant System Tjerk Aukema	Parent & Patient Perspectives about Intervention Options for Microtia Atresia Chrisanda Sanchez	
12:40 12:50 Assessment of Clinical Performance, Audiological Outcomes, and Quality of Life with the Oticon Minimally Invasive Ponto Surgery (MIPS) Jack Wazen	Relieving Vertigo with Bone-Conducted Vibration: Preliminary Results from Clinical Trials Didier Depireux	More than just ears: Psychology's contribution to microtia teams Deborah Mood	
12:50 13:00 The Birmingham 'high-throughput' system for local anaesthetic percutaneous bone-anchored hearing implantations Rupan Banga	<p>Panel</p> <p>What next for Bone Conduction Technologies?</p> <p>Chair: Aaron Remenschneider Susan Arndt, Patrik Westerkull, Stefan Stenfelt</p>	Agensis of external auditory canal and aural atresia in children with complex anatomy: Active transcutaneous bone conduction implants or not implantable devises? Surgical considerations and quality of life impact. Carolina Der	
13:00 13:10 Cost-Utility of Bone Conduction Implants for Conductive or Mixed Hearing Loss or Single-Sided Deafness: A Decision Analysis Klaas Kiesewetter		Audiometric patterns and progression among children with congenital aural atresia or external auditory canal stenosis Brandon Abell	
13:10 13:20 The Healthy Hearing Ears Initiative COM Research Platform: A new online research tool for gathering data on patients with chronic otitis media related hearing loss Myrthe Hol		How we do it: Simultaneous Bilateral Osia implantation in children with microtia Alex Bennett	

13:30 → 13:45

Ballroom

Last Remarks and Fond Farewells till we meet again