



7TH MALAYSIAN AUDIOLOGY SCIENTIFIC CONFERENCE

**BUILDING STRONG FOUNDATIONS:
THE EVOLUTION OF EVIDENCE-BASED
PRACTICE IN AUDIOLOGY**

17TH - 18TH MAY 2025

**ST. GILES WEMBLEY HOTEL
PENANG**

ORGANISED BY:



COLLABORATORS:



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<https://mansa.org.my/masco-2025/>





About MASCO 2025

The 7th Malaysian Audiology Scientific Conference (MASCO) 2025 focused on **"Building Strong Foundations: The Evolution of Evidence-Based Practice in Audiology."**

MASCO 2025 is your platform to:

- Explore the latest in audiology: Discuss current issues, new interventions, and cutting-edge technology.
- Collaborate across disciplines: Strengthen partnerships with other healthcare professionals for better patient care.
- Stay updated on advancements: Examine the newest developments in audiology and related fields.
- Advance knowledge through research: Discover impactful studies by Malaysian audiologists and professionals.
- Shape the future of audiology: Discuss the potential and direction of the field in Malaysia.

Join us as we work together to build a stronger, more innovative, and collaborative future for audiology in Malaysia at MASCO 2025!



TABLE OF CONTENTS

Contents	Page
Message from the Deputy Director General of Health (Medical) Ministry of Health Malaysia	6
Message from the Advisor of MASCO 2025	8
Message from the Chairman of MASCO 2025	10
Organising Committee	12
Programme Outline	18
Keynote, Plenary and Speakers & Lecture Highlights	24
Forum Speakers & Lecture Highlights	36
Oral Presentations (Research Spotlight)	44
Poster Presentations	48
3-Minute Pitching	54
Acknowledgement for Sponsorship	58
Conference Venue Layout	60



**MESSAGE FROM
THE DEPUTY DIRECTOR
GENERAL OF HEALTH
(MEDICAL)
MINISTRY OF HEALTH
MALAYSIA**

Assalamualaikum & Salam Malaysia Madani.



Alhamdulillah, I would like to express my deepest appreciation to all parties involved in organizing the 2025 MALAYSIAN AUDIOLOGY SCIENTIFIC CONFERENCE, which is being held from 17th to 18th May 2025 at St. Giles Wembley Hotel, Penang. This conference is an important step in further strengthening the field of audiology in our country and providing a platform for professionals to share knowledge and experience.

As the Deputy Director General of Health (Medical) MOH, I highly value this initiative to enhance the quality of hearing care in Malaysia. Hearing loss is a global issue that not only affects individuals but also has a broader impact on society. Therefore, we must ensure hearing care continues to receive the attention it deserves, with a holistic and continuous approach.

This conference provides an opportunity for participants to update their knowledge in the field of audiology, particularly in the latest developments regarding hearing aid technology, treatment of hearing disorders, and strategies for the prevention of hearing loss. I hope that the knowledge shared throughout this conference will be applied in daily practice and benefit the communities in need.

In closing, I would like to extend my sincere thanks to all the speakers, panellists, and participants who have contributed to this event. I wish for the conference to run smoothly and achieve its intended objectives.

DATO' INDERA DR. NOR AZIMI BINTI YUNUS
Deputy Director General of Health (Medical)
Ministry of Health of Malaysia



MESSAGE FROM THE ADVISOR OF MASCO 2025



Assalamualaikum warahmatullahi wabarakatuh, Salam Sejahtera, and a Very Warm Welcome to All Esteemed Speakers, Presenters, Participants, Sponsors, and MASCO Committee Members.

On behalf of the Malaysian National Society of Audiology (MANSA), it is my great pleasure to warmly welcome you to the 7th Malaysian Audiology Scientific Conference (MASCO), held on the vibrant and culturally rich island of Penang. We are delighted to host you on the 17th and 18th of May 2025, as we come together to explore this year's theme: "Building Strong Foundations: The Evolution of Evidence-Based Practice in Audiology."

This conference is a powerful reflection of our shared commitment to advancing the field of audiology in Malaysia. The thoughtfully curated programme highlights the ever-evolving landscape of hearing and related care and is designed to foster meaningful knowledge exchange, collaboration, and innovation. Your participation signifies a deep dedication to enhancing the quality and effectiveness of audiological services within our communities.

As clinical practices and technologies continue to advance at an unprecedented pace, the relevance and importance of evidence-based practice have never been greater. I encourage you to immerse yourselves fully—engage in thought-provoking sessions, share your experiences, ask questions, and build lasting connections with fellow professionals. Together, we are shaping the future of audiology.

To our distinguished speakers and presenters, we are truly grateful for your time and contributions. Your expertise will no doubt spark new ideas and elevate our understanding of patient care. A heartfelt thank you also goes to our sponsors—your invaluable support has played a vital role in bringing this conference to life.

To the dedicated MASCO Executive Committee—thank you for your unwavering commitment and hard work in making this event a reality. Your efforts continue to uphold MASCO as a vital platform for professional growth and development within our audiology community.

Let us seize this opportunity to learn, grow, and fortify the foundations of our practice. May this conference inspire all of us to continue the journey of lifelong learning and excellence. I wish you a productive, enriching experience and hope your time in Penang Island is both rewarding and memorable.

Thank you, and welcome once again to MASCO 2025.

Warm regards,
ASSOCIATE PROF. DR. NOR HANIZA BINTI ABDUL WAHAT
President, Malaysian National Society of Audiology (MANSA)
Advisor, 7th Malaysian Audiology Scientific Conference (MASCO)



MESSAGE FROM THE CHAIRMAN OF MASCO 2025



Bismillahirrahmanirrahim.

Dear Participants, Speakers, Presenters, Sponsors, and Esteemed Colleagues,

A warm welcome to the 7th MASCO in historical Penang! As Chairman of MASCO 2025, I'm pleased to welcome you to this significant conference exploring "Building Strong Foundations: The Evolution of Evidence-based Practice in Audiology."

This conference results from the collective passion and dedication of many individuals, all united by a shared goal: to advance the field of audiology in Malaysia. We have designed a comprehensive program addressing the latest developments in hearing and vestibular assessment and management, ensuring you leave with valuable insights and practical knowledge. The theme of this year's conference reflects the critical importance of evidence-based practice in our profession. As audiologists, we are committed to providing the highest standard of care, which requires a continuous pursuit of knowledge and a rigorous evaluation of clinical practices. We encourage you to actively participate in the oral and poster presentations, engage with our expert speakers, and explore the latest technologies showcased by our sponsors.

Your contributions to our esteemed speakers and presenters are the heart of this conference. Your expertise and research will inspire us to strive for excellence in our practice. We are also profoundly grateful to our sponsors for their generous support, enabling us to create a meaningful dialogue and professional development platform.

To all participants, I urge you to take full advantage of this opportunity to network, learn, and collaborate. The connections you make here will undoubtedly enrich your professional journey. Pursuing knowledge is an ongoing endeavour, and conferences like MASCO are vital in fostering a culture of continuous learning.

Finally, I extend my heartfelt thanks to the organising committee and all those who have worked tirelessly to make this conference successful. Your dedication and hard work have made this event possible.

We hope you have an enriching experience in Penang. May this conference inspire you to build strong foundations in your practice and contribute to the advancement of audiology in Malaysia.

Sincerely,

DR. MOHD FADZIL NOR BIN RASHID

Chairman, 7th Malaysian Audiology Scientific Conference (MASCO)



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PROGRAMME OUTLINE

Day 1: 17th May 2025 (Saturday)

0800 Registration Day 1

0830 Keynote 1
Bridging the Gap from Research to Practice: Way Forward to Raise Audiology Profession
Speaker: Assoc. Prof. Krisna Lertsukprasert
President of Asia Pacific Society of Speech, Language and Hearing & President of Thai Speech-Language and Hearing Association

0915 Plenary 1
Auditory Hallucinations: An Audiological Perspective and Insights from Malaysian Research
Speaker: Assoc. Prof. Dr. Noor Alaudin bin Abdul Wahab
Universiti Kebangsaan Malaysia

Opening Ceremony
Opening Speech & Officiation by YBhg Dato' Indera Dr. Nor Azimi binti Yunus, Deputy Director General of Health (Medical), Ministry of Health Malaysia

0945

- Arrival of YBhg Dato' Indera Dr. Nor Azimi binti Yunus
- Negaraku Song
- Opening Speech by Emcee
- Welcome Speech by MASCO Advisor
- Speech by MASCO Chairman
- Speech & Officiation by YBhg Dato' Indera Dr. Nor Azimi binti Yunus
- Gimmick Presentation
- Presentation of the Plaque to YBhg Dato' Indera Dr. Nor Azimi binti Yunus
- Photo Taking Session
- Booth Visit (All VIPs)

1030 Break / Poster viewing

Day 1 (continued): 17th May 2025 (Saturday)

1045	<u>Plenary 2</u> Evidence-Based Assessment and Management Strategies for Auditory Processing Disorder (APD) in Children Speaker: Assoc Prof. Krisna Lertsukprasert President of Asia Pacific Society of Speech, Language and Hearing & President of Thai Speech-Language and Hearing Association
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1115	<u>Diamond Sponsor Talk 1</u> GSI AMTAS: Automated Audiometry for Clinical Practice Speaker: Ms. Ayu Madiha binti Hanafi Audiologist, MKS Medic Sdn Bhd
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1130	<u>Plenary 3</u> Auditory Evoked Potentials Roles for Interventions in Children with Autism Spectrum Disorder Speaker: Prof. Dr. Ahmad Aidil Arafat bin Dzulkarnain International Islamic University Malaysia
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1200	3-minutes pitching
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1245	Lunch Break
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1400	Research Spotlight Session 1
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1600	Tea Break
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1615	Summary of Day 1 Sessions
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1630	AGM MANSA & Hi-Tea
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1800	End of Day 1
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Day 2 : 18th May 2025 (Sunday)

0800 Registration Day 2

0830 Keynote 2
Overcoming Barriers in Translational Audiology Practice: Innovative Strategies
Speaker: Dr. Siobhán Brennan
Manchester Centre for Audiology and Deafness, University of Manchester & Chair of the British Society of Audiology

0915 Plenary 4
Bridging Electrophysiology and Sound Therapy: A Perspective on Tinnitus Suppression
Speaker: Dr. Wan Najibah binti Wan Mohamad
Universiti Sains Malaysia

0945 Break / Poster viewing

1015 Plenary 5
Evidence-Based Strategies for Evaluating and Managing Hearing Loss in Children from Audiological and Educational Perspectives.
Speaker: Dr. Siobhán Brennan
Manchester Centre for Audiology and Deafness, University of Manchester & Chair of the British Society of Audiology

1045 Diamond Sponsor Talk 2
Evidence based objective balance assessments in the Audiology Clinic
Speaker: Mr Saravanan a/I Selanduray
International Clinical Market Development Manager, Natus Medical Incorporated

1100 Research Spotlight Session 2

1230 Lunch break / Hotel Check Out

Day 2 (continued) : 18th May 2025 (Sunday)

- 1400 Plenary 6
Recent Advances in Bimodal Hearing Technology
Speaker: Dr. Ajimsha KM
Head, Advanced Bionics Southeast Asia
-

Forum

Measuring Impact: Assessing the Effectiveness of Evidence-Based Intervention for Paediatric Patients in Clinical Setting

Moderator:

Assoc. Prof. Dr. Nor Haniza binti Abdul Wahat
Assistant Dean of Entrepreneurship & Innovation
Center for Rehabilitation and Special Needs Studies (IcaRehab)
Faculty of Health Sciences
Universiti Kebangsaan Malaysia

- 1430 Panellists:
1. Dr. Siobhán Brennan
Manchester Centre for Audiology and Deafness, University of Manchester & Chair of the British Society of Audiology
 2. Dr. Nur Azyani binti Amri
Head of Audiology Profession, Ministry of Health Malaysia
 3. Ms. Darleena binti Abdul Aziz
Senior Audiologist, Prince Court Medical Centre
Council Member (Audiology) of Malaysian Audiology Health Professions Council (MAHPC) (2023-2026)
-

- 1630 Tea break
-

- 1645 Summary of Day 2 Sessions
-

- 1700 Award & Closing Ceremony
-

- 1730 End of Day 2
-

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KEYNOTE AND PLENARY SPEAKERS & LECTURE HIGHLIGHTS



ASSOC. PROF. KRISNA LERTSUKPRASERT

President of Asia Pacific Society of Speech-Language and Hearing (APSSLH) (2024-2025) & President of Thai Speech-Language and Hearing Association (2022-2026)

Assoc. Prof. Krisna Lertsukprasert is an Associate Professor in Audiology, President of Asia Pacific Society of Speech-Language and Hearing (APSSLH) (2024-2025), President of Thai Speech-Language and Hearing Association (1997-2012) and (2022-2026). She started working as an audiologist at Khon Kaen University (1980-2000), then moved to Mahidol University (2000-2020). She has been Program director of Master of Sciences in Communication Sciences and Disorders, Mahidol University (2005-2013), Chief of the Board of Committee of Licensure for Communication Disorders professional practice of Thailand (2007-2010), a former Head Department of Communication Sciences and Disorders, Faculty of Medicine Ramathibodi Hospital, Mahidol University (2015-2019). She is currently The Chairperson of the sub-committee for national licensure registration in communication disorders.

Recognition award included Distinguished Lecturer (2012), Dean's innovation award (2013) and best presentation award (2015). Her expertise includes hearing evaluation in adults and children, hearing devices (hearing aids and cochlear implant) and aural rehabilitation.



KEYNOTE 1:

BRIDGING THE GAP FROM RESEARCH TO PRACTICE: WAY FORWARD TO RAISE AUDIOLOGY PROFESSION

Speaker: Assoc. Prof. Krisna Lertsukprasert

Despite ongoing advancements in audiology research, integrating these findings into clinical practice remains a challenge. Many evidence-based innovations fail to reach everyday patient care due to barriers such as limited accessibility, time constraints, and resistance to change. Practical strategies for narrowing this gap focus on effective knowledge translation, clinician-researcher collaboration, and structured implementation frameworks. Case studies will demonstrate how evidence-based practice (EBP) improves patient outcomes and strengthens professional standards. Every attendee has an active role in upholding and advancing the profession by embracing research-driven practice. Bridging the gap is not the responsibility of a few—it requires collective effort from all of us. Let's close the gap and shape the future of audiology together!

PLENARY 2:

EVIDENCE-BASED ASSESSMENT AND MANAGEMENT STRATEGIES FOR AUDITORY PROCESSING DISORDER (APD) IN CHILDREN

Speaker: Assoc. Prof. Krisna Lertsukprasert

This lecture provides a practical approach to the assessment and management of APD in children, focusing on clinically validated tools and strategies. Participants will gain insights into the effective behavioral and electrophysiological assessments, including auditory evoked potentials, to identify auditory processing deficits. At present, there is a technique that utilizes Artificial Intelligence (AI), known as Machine Learning Analysis, to assist clinicians to diagnose APD in children. The lecture also covers intervention strategies, including; Auditory training programs, Environmental modifications and Individualized therapy plans. A key component that cannot be overlooked is interdisciplinary collaboration among audiologists, speech-language pathologists, and educators, which is essential for ensuring a comprehensive evaluation and the implementation of targeted, effective interventions for children with APD.



DR. SIOBHÁN BRENNAN

**Manchester Centre for Audiology and Deafness (ManCAD),
School of Health Sciences**

**University of Manchester & Chair of the British Society of
Audiology (BSA)**

Dr. Siobhán earned an Engineering degree in Music Technology from the University of York in 1997. She then completed a Clinical Competency programme, which included a Master's degree in Audiology at the University of Manchester in 1998. In 2004, she obtained a PhD in auditory electrophysiology from the University of Sheffield while working clinically in newborn hearing diagnostics. Following this, Dr. Siobhán worked as a clinical scientist in audiology at Sheffield Teaching Hospitals in the UK (2008-present). More recently, she has also been a lecturer in audiology at the Manchester Centre for Audiology and Deafness (ManCAD) at the University of Manchester (2015-present).

Dr. Siobhán has a particular interest in developing practice guidance. She also provides peer review for the Let the Children Hear charity, which supports paediatric audiology services in Uganda. Her clinical, educational, and research specialisms include audiological care for people with cognitive needs and auditory diagnostics.

These roles have led to her involvement with several special interest groups. She is a member of the European Federation of Audiology Societies Working Group on Intellectual Disabilities and the British Society of Audiology Cognition Special Interest Group. She is also part of the NHS England National Paediatric Hearing Services Improvement Programme Clinical Reference Group. Currently, she serves as Chair of the British Society of Audiology.



KEYNOTE 2:

OVERCOMING BARRIERS IN TRANSLATIONAL AUDIOLOGY PRACTICE: INNOVATIVE STRATEGIES

Speaker: Dr. Siobhán Brennan

Despite the remarkable growth of audiological research, significant barriers hinder the integration of innovative solutions into routine clinical practice. In this keynote session, challenges that often hinder this integration will be explored and innovative approaches will be highlighted to empower clinicians to adopt research-driven methodologies. The session will also present case studies exemplifying successful translational strategies, illustrating how tailored solutions can address region-specific challenges. This discourse aims to inspire audiologists and stakeholders to advocate for evidence-based practices, fostering an evolution that strengthens the future of the profession, ensuring that evidence-based findings effectively inform patient care

PLENARY 5:

EVIDENCE-BASED STRATEGIES FOR EVALUATING AND MANAGING HEARING LOSS IN CHILDREN FROM AUDIOLOGICAL AND EDUCATIONAL PERSPECTIVES

Speaker: Dr. Siobhán Brennan

Early intervention is a cornerstone of effective audiological care, laying the groundwork for optimal auditory and cognitive outcomes across the lifespan. This plenary session will explore the critical role of early detection, intervention, and rehabilitation in paediatric populations and their broader implications in school and community settings. Considering both children with developmental delays and children without, the speaker will highlight evidence-based strategies for evaluating and managing hearing loss in children that integrate audiological and educational perspectives. Focusing on practical tools for audiologists, the session will delve into interventions designed to address the unique challenges of early hearing loss, including its impact on language acquisition, academic performance, and social development. This session aims to empower audiologists to strengthen their practices by leveraging research-driven strategies, ultimately fostering improved outcomes and a strong foundation for lifelong auditory health.



ASSOC. PROF. DR. NOOR ALAUDIN BIN ABDUL WAHAB

Center for Rehabilitation and Special Needs Studies (ICaRehab)

Faculty of Health Sciences

Universiti Kebangsaan Malaysia

Assoc. Prof. Dr. Noor Alaudin bin Abdul Wahab was born in Batu Pahat, Johor, Malaysia, on November 16, 1972, to Hj Abdul Wahab Yusof and Hjh Napsiah Ibrahim. He is currently an Associate Professor at the Center for Rehabilitation and Special Needs Studies (ICaRehab), Faculty of Health Sciences, Universiti Kebangsaan Malaysia. His journey in audiology began with a Bachelor of Audiology (Hons) from Universiti Kebangsaan Malaysia in 1999, after which he started his academic career as a tutor in the Department of Audiology & Speech Sciences. He furthered his studies in the United States, earning a Master's degree in Communicative Disorders (Audiology) from the University of Wisconsin-Madison (2000–2003). Motivated by a deep interest in the intersection of neuroscience and audiology, he completed his PhD in Neuroaudiology at Universiti Sains Malaysia in 2018.

Dr. Noor Alaudin's research explores auditory processing, with a particular focus on individuals with schizophrenia who experience auditory hallucinations. By investigating the neuroaudiological mechanisms underlying these phenomena, his work aims to bridge the gap between auditory science and mental health. His research team has developed the Alternate Auditory Attention (ALAUDIN) tasks integrated with contralateral suppression of otoacoustic emissions (CSOAE), which have shown significant differences in auditory processing between schizophrenia patients with auditory hallucinations and healthy subjects. His studies have also highlighted abnormalities in binaural interaction, efferent auditory pathways, and hearing-in-noise performance in schizophrenia patients.

Beyond research, he actively fosters collaboration in neuroaudiology. He is the Head of the Special Interest Group – Neuroaudiology, which facilitates research collaborations between HEARS-UKM, Hospital Canselor Tuanku Muhriz (HCTM), and the Audiology Program at Universiti Sains Malaysia (USM). In 2023, he joined the Early Career Hallucination Research (ECHR) group, part of the International Consortium on Hallucination Research (ICHR), further contributing to global advancements in auditory hallucination research.

Looking ahead, he is expanding his research by collaborating with experts in diagnostic imaging to deepen the understanding of neurophysiological changes in auditory hallucinations. He also envisions a future where audiologists play a vital role in assessing individuals with auditory hallucinations, recognizing the auditory system's contributions to these experiences and integrating audiological perspectives into multidisciplinary mental health care. His long-term goal is to strengthen interdisciplinary research and translate scientific findings into clinical applications, ultimately improving both audiological and mental health practices.

PLENARY 1:

AUDITORY HALLUCINATIONS: AN AUDIOLOGICAL PERSPECTIVE AND INSIGHTS FROM MALAYSIAN RESEARCH

Speaker: Assoc. Prof. Dr. Noor Alaudin bin Abdul Wahab

Auditory hallucinations (AH) have traditionally been viewed as a psychiatric phenomenon, yet emerging evidence suggests that underlying auditory dysfunctions may contribute to their manifestation. This plenary session will explore auditory hallucinations from an audiological standpoint, emphasizing what audiologists should know about this complex phenomenon. Over the past 15 years, the Malaysian research team has investigated the auditory mechanisms underlying AH in schizophrenia, employing a range of neuro-audiological assessments. Our early studies identified abnormalities in binaural auditory processing, including reduced binaural interaction components in auditory brainstem responses (ABR) and hyperactivity of efferent auditory pathways. We further demonstrated that individuals with schizophrenia exhibit difficulties in hearing in noise, a deficit potentially linked to auditory hallucinations. Building upon these findings, our research introduced the Alternate Auditory Attention tasks combined with otoacoustic emissions (OAE) to evaluate cochlear outer hair cell suppression. This novel approach has revealed findings, providing insight into the auditory system's role in hallucination genesis. This session will highlight key audiological findings, discuss their clinical implications, and address how audiologists can contribute to the assessment and management of patients with AH. As the field of audiology evolves, understanding the interplay between auditory processing and hallucinations may open new avenues for interdisciplinary collaboration in mental health and hearing sciences.



PROF. DR. AHMAD AIDIL ARAFAT BIN DZULKARNAIN
Department of Audiology and Speech-Language Pathology
Kulliyyah of Allied Health Sciences
International Islamic University Malaysia

Prof. Dr. Ahmad Aidil Arafat bin Dzulkarnain is a distinguished leader in audiology and allied health sciences in Malaysia. He obtained his Bachelor of Audiology (Hons) from Universiti Kebangsaan Malaysia (UKM) in 2003 and a Ph.D. in Audiology from the University of Queensland, Australia, in 2008. His doctoral research focused on enhancing the efficiency of universal newborn hearing screening. Prof. Aidil joined the International Islamic University Malaysia (IIUM) in 2003 as a pioneering member of the Kulliyyah of Allied Health Sciences. In 2021, he became the first individual with an audiology academic background in Malaysia to achieve a professorship. Throughout his career, he has held key leadership roles, including Dean of the Kulliyyah of Allied Health Sciences and Head of the Department of Audiology and Speech-Language Pathology.

A renowned researcher in auditory neurophysiology, Prof. Aidil specializes in auditory evoked potentials (AEP), developing innovative methodologies to improve AEP testing efficiency. His groundbreaking work includes utilizing AEP as an outcome measure for emotional regulation interventions in children with autism spectrum disorder (ASD) through an adaptive robotics platform.

Prof. Aidil has secured over RM 2 million in research funding, authored more than 200 papers, and serves on the editorial boards of several international journals. He is also a subject matter expert in AEP and has contributed as a board member, panelist, or advisor to numerous international and local agencies. In recognition of his outstanding contributions, he was awarded the "Most Promising Academic (Health Sciences)" by IIUM in 2020.

Prof. Aidil continues to make significant strides in audiology, inspiring advancements in research, education, and clinical practice.



PLENARY 3:

AUDITORY EVOKED POTENTIALS ROLES FOR INTERVENTIONS IN CHILDREN WITH AUTISM SPECTRUM DISORDER (ASD)

SPEAKER: Prof. Dr. Ahmad Aidil Arafat bin Dzulkarnain

Individuals with ASD often face sensory processing challenges, including auditory sensory gating deficits. These deficits can contribute to mental health issues such as anxiety, which in turn may lead to poor emotional regulation. This lecture will be divided into four main aspects. The first aspect of the plenary lecture will discuss the relationship between auditory sensory gating deficits and emotional regulation. The second aspect will explore strategies to address poor emotional regulation, highlighting the use of sound therapy combined with working memory training. This combination of techniques aims to (i) regulate brain function to intervene in auditory sensory gating deficits and (ii) enhance inhibitory control, leading to improved emotional regulation in individuals with ASD. The third aspect of the lecture will further examine the use of Auditory Evoked Potential (AEP) to assess the effectiveness of sound and working memory therapy interventions. This section will highlight potential changes in the auditory system following these interventions, alongside perceptual measure scale assessments. The fourth aspect of the lecture will explore future applications of AEP, particularly the use of the Auditory Brainstem Response (ABR) test, in predicting the likelihood of newborns developing ASD. The optimal combination of interventions identified in this lecture will lead to a further discussion of the stochastic resonance principle. By the end of the lecture, it is hoped that audiologists will continue to provide expertise in sound therapy and AEP to support various aspects of their clients' central auditory nervous system challenges.



DR. WAN NAJIBAH BINTI WAN MOHAMAD
Audiology Programme
School of Health Sciences
Universiti Sains Malaysia

Dr. Wan Najibah binti Wan Mohamad is a senior lecturer and clinical audiologist at the School of Health Sciences, Universiti Sains Malaysia, Malaysia. Prior to joining the university, she worked as a clinical audiologist at a private hospital.

Her educational background started after completing a bachelor's degree in audiology from Universiti Kebangsaan Malaysia. She then gained her master's degree in clinical audiology from the University of Flinders, Australia, and PhD (tinnitus) from the University of Nottingham, United Kingdom. Specializing in auditory neuroscience, she has been actively involved in many research projects, particularly tinnitus studies. As a lecturer, she teaches many academic courses covering both fundamental and clinical aspects of audiology. She is also involved in the supervision of various research projects at undergraduate and postgraduate levels. Along with her clinical practice as an audiologist, she has been extensively involved in clinical teaching for adult and pediatric clinics. Recently, she completed the John Hopkins Cochlear Centre for Hearing and Public Health Fellows Program in Aging, Hearing and Public Health (2022).



PLENARY 4:

BRIDGING ELECTROPHYSIOLOGY AND SOUND THERAPY: A PERSPECTIVE ON TINNITUS SUPPRESSION

Speaker: Dr. Wan Najibah binti Wan Mohamad

Tinnitus (ringing in the ears) remains unclear in pathophysiology, and there is no single definitive treatment. While sound therapy, particularly broadband noise (BBN), is widely used for tinnitus management, its effectiveness varies among individuals. Understanding the physiological of tinnitus suppression is crucial for optimizing tinnitus interventions. Electrophysiological measures, such as auditory brainstem response (ABR), provide an objective means to explore the neural mechanisms underlying tinnitus and its suppression. This presentation will explore the intersection of neurophysiology and sound therapy, emphasizing how ABR can be utilized to study tinnitus suppression. BBN and narrowband noise centred at the tinnitus frequency will be discussed as a potential for tinnitus management. The findings from this research may improve clinical decision-making and guide the development of more effective sound-based interventions for tinnitus patients.



DR. AJIMSHA KM

Head, Advanced Bionics Southeast Asia

Dr. Ajimsha KM is an accomplished audiology professional with over 18 years of experience in cochlear implant technology, hearing aid fitting, and electrophysiological measures. He has a strong background in international business management, project leadership, and strategic operations. As the Head of Advanced Bionics Southeast Asia, he is responsible for overseeing all operations and management in the region. His main areas of interest include business management, objective measures with cochlear implants, speech perception, and psychophysics.

PLENARY 6:

RECENT ADVANCES IN BIMODAL HEARING TECHNOLOGY

Speaker: Dr. Ajimsha KM

Recent advancements transformed the way cochlear implants (CIs) and hearing aids (HAs) work together. Traditionally, these devices functioned separately, leading to mismatched sound processing. However, the recent technical advances have revolutionized this approach by integrating CIs and HAs for seamless synchronization. Special fitting formulas which optimize gain and frequency settings, ensuring a balanced auditory experience. Meanwhile, streaming technology enhances spatial hearing and speech clarity by enabling real-time communication between the devices. This integration mimics natural hearing, providing significant benefits in noisy environments, improved speech perception, and enhanced music appreciation.



FORUM SPEAKERS AND LECTURE HIGHLIGHTS



ASSOC. PROF. DR. NOR HANIZA BINTI ABDUL WAHAT

**Assistant Dean of Entrepreneurship & Innovation
Center for Rehabilitation and Special Needs Studies
(ICaRehab)
Faculty of Health Sciences, Universiti Kebangsaan Malaysia**

Dr. Nor Haniza Abdul Wahat is an Associate Professor and a distinguished audiologist specializing in vestibular diagnostics and management across paediatric and adult populations. She earned her Master of Science in Audiology from the University of Southampton, UK, in 2003 and her Ph.D. in Vestibular Diagnosis from The University of Western Australia in 2011. She further refined her expertise through a fellowship in Vestibular Clinical Diagnostics at the University of Sydney and a paediatric vestibular research attachment in France.

A leading advocate for vestibular audiology in Malaysia, Dr. Haniza was instrumental in establishing the Vestibular and Balance Lab at the Faculty of Health Sciences, Universiti Kebangsaan Malaysia (UKM) in 2011. Her research focuses on vestibular and balance disorders in both children and adults, with a strong commitment to improving outcomes for the deaf community.

As a faculty member at UKM, she is dedicated to education, actively teaching and mentoring undergraduate and postgraduate students, with a particular emphasis on vestibular audiology. In addition to her academic and research roles, Dr. Haniza serves as the Assistant Dean for Entrepreneurship and Innovation, a portfolio that aligns with her passion for advancing audiology practices through innovation and interdisciplinary collaboration.

Currently serving as the President (2023–2025) of the Malaysian National Society of Audiologists (MANSA), Dr. Haniza is committed to advancing the field of audiology in Malaysia, fostering professional development, and improving patient care through innovation and collaboration.



DR. NUR AZYANI BINTI AMRI

**Head of Audiology Profession
Ministry of Health Malaysia**

Dr. Nur Azyani bt Amri is a clinical audiologist in Hospital Raja Permaisuri Bainun, Ipoh with 22 years experience and is currently the Head of the Audiology Profession in Ministry of Health Malaysia. She completed her PhD in Speech and Hearing in University Kebangsaan Malaysia (2022), obtained her Master in Clinical Audiology in University of Melbourne (2010) and graduated from Universiti Kebangsaan Malaysia with Bachelor in Audiology (Hons) (2002). Her PhD research was on paediatric amplification with the focus on the evidence-based practice using probe microphone measurement to optimise the hearing aid fittings in children.

Dr. Nur Azyani Amri is the core committee member for the Ministry of Health Universal Newborn Hearing Screening Committee and the Ministry of Health National Implant Cochlea Committee. She is also the core committee for the Quality Life Care for the Disabled Person and the member of the boards of assessor for Malaysian Qualifications Agency (MQA) for Audiology programme.

Dr. Nur Azyani aims to elevate the audiology services in Ministry of Health by strengthening the universal newborn hearing screening programmes throughout Malaysia, to improve the quality of the diagnostic hearing services and ensuring the audiology services is accessible to the community by introducing the audiology services in primary care centre.



DARLEENA BINTI ABDUL AZIZ

Senior Audiologist, Prince Court Medical Centre, Kuala Lumpur & Council Member (Audiology) of Malaysian Allied Health Professions Council (MAHPC) (2023-2026)

Ms Darleena is among the first audiology graduates from the National University of Malaysia who began her career in 1999 as a Clinical Audiologist at UKM Hospital. Transitioning to the private sector, she pioneered comprehensive audiology services in private hospitals, introducing newborn hearing screening in 2001. She later gained expertise in hearing aid fitting and auditory rehabilitation through roles at a Hearing Aid Centre and as a trainer with a Hearing Aid Manufacturer, where she collaborated with the Malaysian Society of Occupational Safety and Health (MSOSH) on audiometry workshops.

Since joining Prince Court Medical Centre in 2008, Ms Darleena has expanded her focus to vestibular and balance assessments for adults and children, as well as establishing Auditory Processing Disorder services. She has received advanced training in Paediatric Vestibular Assessment at Robert Debré Hospital, Paris and Vertiguard Posturography at Charité University, Berlin.

A former President of the Malaysian National Society of Audiologists (MANSA), she has contributed to shaping Audiology legislation and professional standards, including serving on the Allied Health Act Audiology Committee since 2008. Currently, she is a Council Member (Audiology) for the Malaysian Audiology Health Professions Council (2023-2026).

FORUM:

MEASURING IMPACT: ASSESSING THE EFFECTIVENESS OF EVIDENCE-BASED INTERVENTIONS IN CLINICAL SETTINGS FOR PEDIATRIC PATIENTS IN MALAYSIA

Moderator:

Assoc. Prof. Dr. Nor Haniza binti Abdul Wahat

Panellists:

1. Dr. Siobhán Brennan

**Manchester Centre for Audiology and Deafness,
University of Manchester & Chair of the British Society of Audiology**

2. Dr. Nur Azyani binti Amri

Head of Audiology Profession, Ministry of Health Malaysia

3. Ms. Darleena binti Abdul Aziz

Senior Audiologist, Prince Court Medical Centre

This forum will explore the effectiveness of evidence-based interventions in pediatric audiology, focusing on the need for standardized outcome measures. Panellists will discuss current challenges in evaluating intervention success, emphasizing the importance of consistent, reliable assessment tools.

The discussion aims to set the basis of a clinical guideline that provides clear recommendations for measuring outcomes in clinical practice, ultimately enhancing the quality of care for children with hearing impairments.



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ORAL PRESENTATIONS (RESEARCH SPOTLIGHT)

No	Presenters	Title	Authors
1	Sarah Rahmat	Profiling the Malaysian Audiology Workforce: The First Comprehensive Workforce Survey	Sarah Rahmat, Nurul Huda Bani, Wan Syafira Ishak, Nadiah Abd Aziz, Siti Suriani Che Hussin, Akmaliza Ali, Wan Najibah Wan Mohamad, Nurul Syarida Mohd Sakeri, Patrick Tan Han Guan, Faizzudin Mohamad
2	Afiq Ikmal Sahak	The Effect of Ear Canal Acoustic Modifications toward Ear Canal Response with B81 Transducer	Afiq Ikmal bin Sahak, Nurul Syarida Mohd Sakeri, Saiful Adli Jamaluddin, Yahia F. Hussein Al-Hadeethi, Muhammad Hosni Zainal Abidin
3	Rosninda Abdullah	Tuning the Brain: Reliability of Acoustic and Electrical Cortical Auditory Evoked Potentials in Paediatric CI Recipients	Rosninda Abdullah, Noor Alaudin Abdul Wahab, Nashrah Maamor, Nik Adilah Nik Othman, Mohd Normani Zakaria
4	Chong Foong Yen	Challenges and Needs of Audiologists and Audiology Students in Conducting Mandarin Speech Perception Tests For Chinese Pediatric Population in Malaysia	Foong Yen Chong, Yan Jin Goh, Kah Kei Mak, Cila Umat, Bee See Goh
5	Nor Hidayah bt Mohammed Hatta	Investigating the Validation, Reliability and Usability of Automated Method for Testing Auditory Sensitivity (AMTAS) with Malay Instructional Video in Non-Clinical Settings: A Preliminary Study	Nor Hidayah Mohammed Hatta, Mohd Fadzil Nor Rashid, Mohd Normani Zakaria, Wan Najibah Wan Mahamad, Hasrul Hosshan

No	Presenters	Title	Authors
6	Siti Ladyia	Absolute Hearing Thresholds for Modified Musical Stimuli at 500Hz, 1000Hz, and 4000Hz: Implications for Paediatric Audiology	Sitti Ladyia Binti Mohd Salleh, Anisa Visram, Keskaew Chamruay, Elif Yilmaz, Michael Stone
7	Lim Tang Zhi	Psychometric Profiles in Developing Cochlear Implants Parents Support Scale: Content Validity Analysis	Tang Zhi Lim, Cila Umat, Bee See Goh, Pei-Hua Chen, Chun Hong Gan
8	Nur Fatihah Ainun Hamzah	Challenges Faced by Parents in Going through Their Child's Hearing Loss Intervention Journey: A Qualitative Analysis	Nur Fatihah Ainun Hamzah, Cila Umat, Deepashini Harithasan, Goh Bee See
9	Mohd Zulkarnain bin Azali	The Sensitivity and Specificity of Speech Perception in Echo and Noise Test (SPENT) in Assessing Children with Suspected Auditory Processing Disorder (APD)	Mohd Zulkarnain Azali, Mohd Normani Zakaria, Nashrah Maamor, Mohd Fadzil Nor Rashid, Maziah Romli and Siti Suriani Che Hussin
10	Saiful Adli bin Jamaluddin	The Effects of Prochlorperazine On Video Head Impulse And Cervical Vestibular Evoked Myogenic Potential Test Outcomes - A Randomized Double-Blind Placebo-Controlled Trial	Saiful Adli Bin Jamaluddin, Yahia F. Hussein Al-Hadeethi, Nurul Syarida Mohd Sakeri, Ahmad Amiruddin Wan Hassan, Nurlin Ali Hanafiah, Muhammad Afif Haikal Bin Mohd Haidi

No	Presenters	Title	Authors
11	Nurul Syarida binti Mohd Sakeri	Vitamin D as a Supplementary Treatment for Recurrent Benign Paroxysmal Positional Vertigo (BPPV): A Scoping Review	Abang Muhammad Diniy Abang Madehan, Saiful Adli Jamaluddin, Nurul Syarida Mohd Sakeri
12	Wan Suhailah Bt Wan Husain	Translation and Culturally Validation English Language Version Of Tinnitus Hearing Survey (THS) To Malay Language	Wan Suhailah Wan Husain, Wan Najibah Wan Mohamad, Mohd Normani Zakaria, Alia Nadiha Alias, Fatin Syakirah Harun, Zarina Zaharim, Fathiah Abdullah, Ahmad Faiz Mohd Salleh, Asyah Hafiza Mohamad Nor Anual
13	Nur 'Azzah Zakaria	Evaluation of the Simplified Malay Matrix Sentence Test in Malay Native Speakers Aged 6 and Above	Nur 'Azzah Zakaria, Saiful Adli Jamaluddin, Wan Ahmad Wan Aslynn, Greg A. O'Beirne ² , Nur Amiera Ariff and Izyan Syazwani Dzulkarnain
14	Faizzudin bin Mohamad	Optimizing Hearing Aid Fitting Formulas for Adults with Unilateral Hearing Loss: A Systematic Review	Faizzudin Mohamad, Afzarini Hasnita Ismail, Ahmad Aidil Arafat Dzulkarnain



POSTER PRESENTATIONS

No	Representatives	Title	Authors
1	Rafidah Hassan Mydin	Integrating Islamic Teachings into Counseling Practices for Preventing Noise-Induced Hearing Loss	Rafidah Hassan Mydin
2	Shafifarisha Adlina Noor Zulkifli	Adaptation, Face Validation and Reliability of The Malay Version Telehealth Usability Questionnaire (MyTUQ) Among Malay Hearing Aid Users	Nurul Anis Hussin, Peremikah Arumugam, Shafifarisha Adlina Noor Zulkifli, Wan Najibah Wan Mohamad, Aw Cheu Lih, Chong Foong Yen, Quar Tian Kar, Mohd Fadzil Nor Rashid
3	Mohd Chandra Kusuma Firmansyah Edham	Validation and Reliability of The Malay Version Device-Oriented Subjective Outcome (DOSO) Scale: A Preliminary Study	Mohd Chandra Kusuma Firmansyah Edham, Wan Mohamad Asyraf Wan Aziz, Mohd Fadzil Nor Rashid, Chong Foong Yen, Akmaliza Ali, Quar Tian Kar
4	Sumayyah Abdul Malek	Cholesterol granuloma in extensive cholesteatoma complicated with otogenic brain abscess in the modern era: A case report	Sumayyah Abdul Malek, Nur Ameerah Zulkornain, Noraimi Khamalrudin, Nor Haniza Abdul Wahat, Wan Nur Hanim Mohd Yusof, Asma Abdullah
5	Sarah Rahmat	The Hidden Conductive Truth Behind Apparent Sensorineural Loss: A Case Series of Pseudo-Sensorineural Hearing Loss	Sarah Rahmat, Amirul Asyraf Bin Jamaludin, Nabiehah binti Shamsaidi, Muhammad Rizal Bin Marsudin

No	Representatives	Title	Authors
6	Wan Madihah W. Embong	Agreement Between CAEP, ABR, and Audiometric Thresholds Using LS-Chirp in Normal-Hearing Adults: A Pilot Study	Wan Madihah W. Embong, Sarah Rahmat, Ahmad Aidil Arafat Dzulkarnain
7	Amnah Mohamad Noor	Auditory Brainstem Response to Narrow Band Level Specific CEChirp in Infants	Amnah Mohamad Noor, Ahmad Aidil Arafat Dzulkarnain, Saiful Adli Jamaluddin, Sarah Rahmat
8	Nur Adilla Mustafa	The Test-Retest Reliability of Ocular Vestibular Evoked Myogenic Potential (oVEMP) elicited by 500 Hz Tone Burst and Narrowband CE-Chirp Stimuli: Which One is Better?	Nur Adilla Mustafa, Rosdan Salim, Jeyasakthy Saniasaiya, Mohd Normani Zakaria
9	Afzarini Hasnita Ismail	The Malay Version of Abbreviated Profile of Hearing Aid Benefit (MAL-APHAB) Questionnaire: A Translation and Cultural Adaptation Pilot Study	Afzarini Hasnita Ismail, Noor Syarmilla Mahmood, Fathiah Ahmad Fuad, Nurul Syarida Mohd Sakeri, Fathin 'Izzaty Azmy
10	Roshila Bujang	Cochlear Dead Regions in Patients with Hearing Loss and Existing Hearing Aid Users: A Case Study	Roshila Bujang, Mohd Riduan Che Abdullah

No	Representatives	Title	Authors
11	Nurul Aisyah Mohd Reduzan	Reliability of the Skull Vibration-Induced Nystagmus Test (SVINT) in Healthy Malay Adults	Nurul Aisyah Mohd Reduzan, Nor Haniza Abdul Wahat, Asma Abdullah, Rosdan Salim, Georges Dumas, Mohd Khairil Azahar Jamaludin
12	Nur Syafiqah Mohd Noor	Balancing Life in Individual with Persistent Postural Perceptual Disorder (PPPD): A Case Study in Audiology Perspective	Nur Syafiqah Mohd Noor, Muzlihah Mamat, Almahera Abidin
13	Almahera Abidin	Desensitization of Loudness Discomfort towards people with cerebellar stroke: A Case Study	Almahera Abidin, Muzlihah binti Mamat
14	Nur Dini Izzati Khairol Anur	Exploring the Feasibility of Adapted Home-Based Vestibular Rehabilitation Therapy for Primary School-Age Children in Malaysia: A Preliminary Investigation	Nur Dini Izzati Khairol Anur, Nor Haniza Abdul Wahat, Nor Asfarina Zauddin, Vivian Sheereen anak Rantai
15	Norasuzi Abd. Halim	An Online Survey of Audiologist's Awareness and Practice of Auditory Processing in Ministry of Health Malaysia	Merlinda W. Bernard, Nurulhusna Mohd Nor, Norasuzi Abd. Halim, Fathiah binti Abdullah, Noor Izyani binti Othman

No	Representatives	Title	Authors
16	Revathy a/p Sevasankaran	Understanding the Barriers and Facilitators to Parental Involvement in Home-Based Aural Habilitation for Children with Hearing Impairment in Malaysia	Nurul Huda Bani, Nurul Ayu Najwa Binti Mohd Zubir, Nurul Aini Bani, Mas Diana Samsudin, Revathy a/p Sevasankaran, Mohd Azmarul A Aziz
17	Siti Hajar Suhaimi	Reducing Waiting Times for Hearing Screenings and Diagnostic Evaluations in High-Risk Infants: Impact of Changing the Workflow of Universal Newborn Hearing Screening in Special Care Nursery	Siti Hajar Suhaimi, Farah Dalila Mohamad Tahir, Nur Azyani Amri, Philip Rajan Devesahayam, Selvakumari Selvarajan, Aisah Abd Hamid
18	Norain Izzati Mohd Daud	Outcomes of the Universal Neonatal Hearing Screening (UNHS) Program at Hospital Taiping in 2023	Norain Izzati Mohd Daud, Nahazatul-Islia Jamari, Hayati Muhamad Rusli, Nursuhana Nordin, Juanna Kassim
19	Shaharul Farzul Razali	Efficacy of Tinnitus Retraining Therapy among Adults Patients at ORL Clinic, HTAR Klang	Shaharul Farzul Razali, Farah Hazwani Mohammed Danial, Sha'ariyah Mohd Mokhtar, Norfarah Wirda Holid, Marina L. Alisaputri @ Marina Binti Lamri
20	Nurul Farhana Badrul Ezan	An Insight into The Quality Improvement of Newborn Hearing Screening Program in Hospital Teluk Intan	Mohd Fairul Syafiq Harun, Nurul Farhana Badrul Ezan, Ser Reen a/p Eh Plin, Siti Hasinda Mohd Zainuddin

No	Representatives	Title	Authors
21	Siti Hufaidah Konting	Preliminary Findings on Electrically Evoked Cortical Auditory Potentials (eCAEPs) in Cochlear Implant Recipients with Inner Ear Malformations	Siti Hufaidah Konting, Mohd Zulkiflee, Abu Bakar, Prepageran, Narayanan, Ahmad Aidil Arafat, Dzulkarnain
22	Onn Wah Lee	Measuring Speech Perception Difficulties Using a Combined Questionnaire and Test Battery Approach	Kun Ling Liew, Nashrah Maamor, Wan Syafira Ishak, Shin Ying Chu, Onn Wah Lee

3-MINUTE PITCHING

No	Representatives	Title	Authors
1	Adlin Amanie Mohd Kamarulzaman	Comparison of Occlusion Effect between B71 and B81 Bone Conduction Transducers	Adlin Amanie Mohd Kamarulzaman, Mahamad Almyzan Awang, Nursyahirah Ismail, Mohd Normani Zakaria
2	Aina Fatihah Ahmad	Preliminary Study: Psychometric Properties Of Tinnitus Hearing Survey Questionnaire In Malay Version	Aina Fatihah Ahmad, Mohd Fadzil Nor Rahid, Wan Najibah Wan Mohamad
3	Anisa Mohamad Rusli	The Masseter Vestibular Evoked Myogenic Potential (mVEMP) Elicited by Different Types of Chirp Stimuli: A Comparative Study	Anisa Mohamad Rusli, Mohd Normani Zakaria, Rosdan Salim, Wan Najibah Wan Mohamad, Suzana Mansor
4	Darshaini Pannirselvan	Distortion Product Otoacoustic Emission (DPOAE) Elicited by Pure Tones and Frequency Modulated Tones in Adults with Normal Hearing	Darshaini Pannirselvan, Mohd Normani Zakaria, Nik Adilah Nik Othman, Mahamad Almyzan Awang, Mohd Khary Hussain
5	Nur Afiqah Adnan	Preliminary Findings On Tympanometric Parameters In Malay Toddlers Aged 1 – 4 Years: A Comparison With Caucasian Normative Data	Nur Afiqah Binti Adnan, Nur Sahira Liyana Zainal, Aw Cheu Lih, Wan Najibah Wan Mohamad

No	Representatives	Title	Authors
6	Kamalin Mastura Mohd Yahya	Preliminary Findings: Suppression Effect Of Contralateral Mobile Application-Based Sound Therapy Among Adults With Tinnitus	Kamalin Mastura Mohd Yahya, Mohd Normani Zakaria, Wan Najibah Wan Mohamad
7	Kun Ling Liew	High Percentage of Young Adults Exceeding the Recommended Annual Noise Exposure Score	Kun Ling Liew, Nashrah Maamor, Wan Syahira Ishak, Shin Ying Chu, Onn Wah Lee
8	Nur Shamin Adriana	A Pilot Study on Patterns of Personal Listening Device Use Among University Students	Nur Shamin Adriana Mohd Amin, Aw Cheu Lih
9	Nur Hidayah Yusuf	Artificial Intelligence in Questionnaire Translation: A Narrative Review and Its Potential Implications in Hearing Healthcare	Nur Hidayah Yusuf, Mohd Fadzil Nor Rashid, Quar Tian Kar
10	Nurnadanadhira Hashim	Determination of Acoustic Radiation Between Bone Conductor RadioEar B81 and B71 Among Malaysian Healthy Youths	Nurnadanadhira Hashim, Mahamad Almyzan Awang, Normani Zakaria, Adnan Tahir

No	Representatives	Title	Authors
11	Nurul Aina Syafiqa Mohd Said	Malay Translation and Cultural Adaptation of a Questionnaire on Teachers' Knowledge and Attitudes Regarding Students' Hearing Problems: A Content Validity Study	Nurul Aina Syafiqa Mohd Said, Aw Cheu Lih
12	Nurul Anis Nabila Rosji	Unveiling the Effect of Stimulus Type on Masseter Vestibular Evoked Myogenic Potential (mVEMP)	Nurul Anis Nabila Rosji, Mohd Normani Zakaria, Rosdan Salim, Wan Najibah Wan Mohamad, Halimah Mahmud
13	Tuan Norsyarafina Tuan Ramli	Malay-Translated Questionnaires for the Paediatric Population: A Narrative Review and Its Application in Hearing Healthcare	Tuan Norsyarafina Tuan Ramli, Mohd Fadzil Nor Rashid, Quar Tian Kar
14	Ummi Izzati Muhammad Hairell	The Development of Speech Discrimination Ability in Children Aged 6 To 24 Months from Tonal and Non-Tonal Native Language Backgrounds	Ummi Izzati Muhammad Hairell, Chong Foong Yen, Rafidah Mazlan, Chu Shin Ying, Lee Onn Wah
15	Khuhan P. Puraviappan	Exploring Current Audiovestibular Practices in Asia-Pacific Countries with Established Audiology Fields	Khuhan P. Puraviappan, Nor Haniza Abdul Wahat, Cila Umat, Krisna Lertsukprasert



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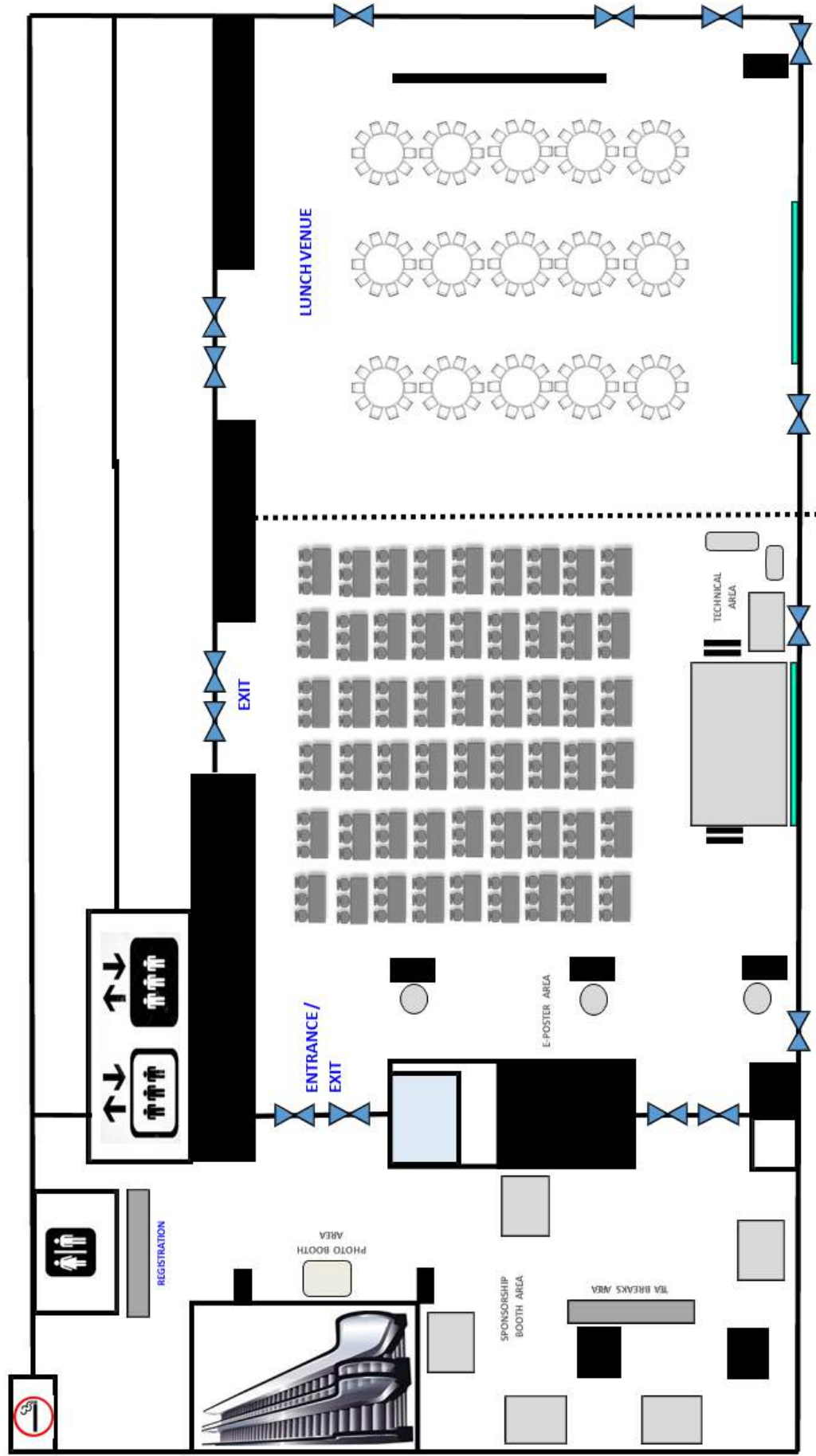
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