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AHH2022

ARAB HEARING HEALTH CONFERENCE

8th Conference of the Advanced
Arab Academy of Audiovestibulology

12-14 May 2022, Kempinski Hotel – Amman, Jordan

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The Chairman of the Advanced Arab Academy of Audiovestibology



Dear distinguished guests, colleagues, participants and members of The ADVANCED ARAB ACADEMY OF AUDIOVESTIBULOGY (4A). We are delighted to welcome you to the eighth Arab Hearing Health Conference 2022, Amman, Jordan on the 12th – 14th May 2022 at the Kempinski Hotel.

Our last meeting, held in Amman, Jordan in 2019, was very successful and well received by the attendees.

I would like to express my deepest appreciation to our sponsors, speakers, participants and exhibitors for their continuous support.

The Arab Hearing Health Conference is the most important gathering for the Hearing, balance and speech community and now recognized as the most important gathering for the Arab World.

The Scientific Program for 2022 will once again explore fundamental, clinical and translational issues related to Audiology, with plenary presentations and symposia, speech language Pathology and ENT Otology.

We look forward to an exciting conference that promises great scientific debate and enjoyable social interaction. We very much hope you enjoy the Conference and your visit to Amman, Jordan.

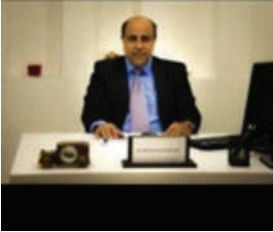
The vision of the 4A academy is to provide a clear and strong voice for professionals in audiology and to promote excellence in clinical knowledge and practice.

It is essential in the professional lives of audiologists and other related professionals such as Ear, Nose and Throat specialists and Pediatricians by; Advancing the science and practice of hearing and balance, Achieving public awareness for hearing health care, maximizing the role of audiologists in early identification, diagnosis, and auditory management, and Promoting multi-disciplinary approach in management of hearing impairment (Audiologist, Otologist, Auditory Verbal Therapist, Pediatrician and other professionals).

I am looking forward to welcome you at the AHH 2022.

Dr. Khalid A. Hadi

Chairman of the Advanced Arab Academy of Audiovestibology



The Secretary General of AAAA.

Dear honored guests, members and participants

I hope that this message finds you all safe and well as we enter the new year 2022. It has been another challenging year coping with the Covid19 pandemic and the long-term impact this has had but I do hope that you are all able to find some relaxation time with friends and family.

It is a great pleasure for me to declare the date for the 8th International Conference of Advance Arab Academy of Audiology AHH 2022 which will be held in Amman – Jordan from 15-12 May 2022. I would like to welcome honored guests, the members and the participants from all over the world who came here to exchange experience and work together a few days on the exciting field of Audiology and Vestibulology, Cochlear implantation and speech pathology.

The AAAA was established in 2012 as the first Arab Academy of Audiovetibulology in Amman Jordan with members from 18 Arabic Countries. 4A did sign affiliation-ship with prestigious institutions, organizations, and universities like Universität zu Lübeck, Al-Ahliyya Amman University (AAU) British Academy of Audiology (BAA) and the American Academy of Audiology (AAA).

Our mission is to improve the professional's knowledge in health fields through continuous medical education programs, research, and teaching, and this means the batter quality of health care to our society. To make a difference and achieve our goals, we need great members and students. So, I am delighted that you have chosen to participate with us in the AAAA activities and I hope that when you gain your knowledge you will go out into the world and improve the health of those you are caring for.

Research-driven teaching is important in pushing our practice as healthcare professionals forward, as well as helping us solve healthcare problems and challenges. I would include health inequalities as one of the key challenges of our time. Inequality may be attributable to disability, and I note the description of hearing loss as an 'invisible disability' in the WHO (World Health Organization) report, On Hearing, published in March 2021 which also states that over 1.5 billion people currently have some hearing loss, and this substantial number is predicted to increase to 2.5 billion over the next 30 years. I hope you have an excellent learning experience at the 4A, and that you enjoy your time with us and make the most of everything the city has to offer. So, a very warm welcome to our AHH 2022 and we are all looking forward to seeing you in the near future.

With best wishes,

Dr. Mohammad Al Masri
The Secretary General of AAAA.



President of the 8th AHH Conference

Dear Distinguished Colleagues and guests,

It is a real honor and a great privilege to have been chosen as President of the 8th Arab Hearing Health conference by the Advanced Arab Academy of Audiovestibology. I want to particularly thank Dr Khalid Abdul Hadi for granting me this opportunity. This distinction honors through my person all the Tunisian hearing loss professionals.

I'm even more honored that this scientific event is the most prestigious in the Arab world in terms of deafness, balance, and speech rehabilitation.

I want to congratulate the scientific committee for bringing together a selected Arab and international expert panel around a high-level program.

I also thank the organizing committee that offers a golden opportunity for audiologists, otologists, ENT surgeons, speech language pathologists/ therapists, educators, hearing scientists/therapists, hearing aid dispensers and audiometrists from around the world to converse, collaborate, network and exchange ideas and knowledge.

It is my dear wish, as past president of the Tunisian Society of Oto-Rhino-Laryngology Head and neck surgery (STORL) as well as that of the current board of STORL and the union of Tunisian audioprothetists, to host the next edition of the Arab Health Hearing Conference in Tunisia.

I welcome all of you to join in this well-organized 8th Arab Hearing Health Conference to give a lecture and to learn.

Finally, I wish you all a pleasant stay in Amman, land of hospitality, fraternity, and knowledge. I hope you will seize the opportunity to immerse yourselves in this rich culture.

Prof. Chiraz Mbarek Chaouch

Head of department, ENT, Head and Neck Surgery at Habib Thameur Hospital Tunis Tunisia



Chairman of scientific committee

Dear guest speakers, participants and colleagues

On behalf of the scientific committee of the Advanced Arab Academy of Audiovestibulogy (4A), it is my great pleasure to invite you to attend and participate in the 8th Arab Hearing Health conference (AHH 2022), held in Amman, Jordan, 12th – 14th May 2022, Kempinski Hotel.

This year, the AHH conference will gather Arab and international expert speakers in different fields of Audiovestibular Medicine. The conference would cover the most recent innovations in different aspects and will include oral presentations, panel discussions, round table discussions, instruction courses and workshops presented by experts in different fields.

A poster presentation session will be added this year to encourage students from different countries to share in this scientific event. The best poster presentation will be chosen by the scientific committee to be recognized and awarded.

Experts from the Arab world will share their knowledge and views on the latest issues and we will also be honored by the presence of our international guest speakers from different countries.

Due to pandemic of Covid 19, there is uncertainty about the travel allowance from some countries for this year. So, the scientific committee planned for physical attendance with a face-to-face as well as online one for the speakers and attendees.

In this conference, Audiologists and speech pathologists who have just started their career will have an excellent opportunity to attend basic hands-on workshops; while more experienced professionals will have in-depth discussions and debates on interesting topics.

The workshops included in the program are related to practical topics which are of considerable interest to most of the audiologists and speech pathologists including different aspects of Audiovestibular Medicine and speech disorders. After checking the program timetable, you are kindly requested to reserve your seat in the workshop(s) as early as possible as the number of participants is limited.

Looking forward to welcome you at the AHH 2022 in Amman.

Adel Abdel Maksoud Nassar, MD

Professor of Audio-Vestibular Medicine,
ENT Department, Ain Shams University, Cairo, Egypt.





Director of the Academy for Hearing Acoustics

Dear Ladies and Gentlemen,

The Academy for Hearing Acoustics (afh) is the central educational institution for hearing aid acousticians from all over Germany. It is perceived as center of excellence, which develops, promotes, consolidates and passes on knowledge and skills, in order to improve the quality of life for people with hearing defects. Vocational training of apprentices, further education of journeymen, Bachelor and Master Craftsmen courses of study are combined under one roof and continuously further improved.

The academy is also responsible for the development and collection of professional skills in the field of rehabilitation and care-taking of hearing-impaired persons. It defines itself as connector and service-provider for the hearing aid industry, in as far as the supply of people with highly-sophisticated medical products and helps people with hearing defects re-integrate into society the best possible way.

With many years of experience we are running now the biggest school in this field in the world. We started 50 years ago with 50 students. Now our branch encompasses more than 15,000 specialized employees and 3,300 students in the vocational training.

The Academy considers itself as educational institution for hearing aid acousticians in Germany and abroad and has initiated various co-operations in order to promote the profession on an international level as well as to harmonize vocational training standards.

With our partners at the Arab Academy we are able to expand our educational standard. The successful partnership is also at this conference in Amman / Jordan. The exchange of knowledge and learning from each other is the basis of any professional occupation.

Therefore, I wish all the participants of the 8th Conference of Advanced Arab Academy of Audiology much joy and success. I am looking forward to this special event taking place in a special place of the world.

Yours

Jakob Stephan Baschab

Director

Academy for Hearing Acoustics

Luebeck/Germany



Al-Ahliyya Amman University President

Ladies and Gentlemen,

Al-Ahliyya Amman University (AAU) was the first private university and pioneer of private education in Jordan. AAU has been accorded institutional and programmatic accreditation. It is a member of the International Association of Universities, Federation of the Universities of the Islamic World, Union of Arab Universities, and members on UNMD. AAU always seeks distinction by upgrading learning outcomes through the adoption of methods and strategies that depend on a system of quality control and effective follow-up at all its faculties, departments, centers, and administrative units.

In a leading step that turned dreams into reality, Al-Ahliyya Amman University was established in 1988 to be the first university of its kind in Jordan and the Arab world. More than twenty-two years since its inception, AAU established the Audiology and speech pathology department in 2000. Now takes pride in graduating its fourteen class of students who have been qualified, trained, and prepared to competently and confidently compete in the domestic, Arab, and regional labor market.

The AAU has a collaboration agreement with Advanced Arab Academy of Audiovestibulology since 2012. We are proud to announce our 8th annual Arab Hearing Conference 2022 which will be held in Kempinski Hotel Amman Jordan from 15-12 Sept 2022 under the patronage of Her Royal Highness Princess Muna Al Hussein, the conference is one our Joint scientific activity organized with The University (AAU), the Advance Arab Academy of Audiovestibulology, and Luebeck university. With our partners at the Arab Academy, we are able to expand our educational standard. The successful partnership is also at this conference in Amman / Jordan. The exchange of knowledge and learning from each other is the basis of any professional occupation. Therefore, I wish all the participants of the 7th Conference of Advanced Arab Academy of Audiology much joy and success.

Prof. Dr. Sari Hamdan
AlAhlia University President



EAVMA President

Dear Professors, Colleagues and Honorable Guests,
On behalf of Egyptian Audio-vestibular Medicine Association (EAVMA), I'd like to express my profound gratitude to be part of the 8th Arab Hearing Health conference, which plays a monumental role in pushing the frontiers of Audio-vestibular medicine in the Arab world.

Over the years, we have managed to build a successful partnership between EAVMA and AHH conference. Together we strived to regulate and implement guidelines of clinical practice and update the scope of services in the field of Audio-vestibular medicine across the Arab world.

After pausing most of the scientific events for the past 2 years due to the pandemic, we aim that our collaboration acts as a fruitful comeback to pave the way for a brighter future for the entire field.

Coming out of the dreadful COVID 19 pandemic, we should all feel fortunate that we can once again meet in person in the beautiful city of Amman.

Professor Tarek Ghannoum
Prof. of Audio-vestibular Medicine



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Dr. Mohamed El-Badry
Dr. Mohammad Al Massri
Dr. Mostafa Yousif



Speakers & Panelists

Prof. AbdulRahman Hagr [KSA]
Prof. Adel Abdel Maksoud Nassar [Egypt]
Dr. Ahmad Khashaba [Egypt]
Dr. Ahmad Mustafa [Egypt]
Prof. Alaa Abousetta [Egypt]
Prof. Ali Gamal [Egypt]
Prof. Ali Mahrous [Egypt]
Prof. Amani Shalaby [Egypt]
Ms. Asia Alshasi [Jordan]
Mr. Arthur Holl [Germany]
Dr. Arwa Ahmed [Egypt]
Dr. Aya Magdu Elhusseiny [Egypt]
Dr. Bassant Soliman [Egypt]
Prof. Chiraz Mbarek Chaouch [Tunisia]
Dr. Dan Gold [USA]
Dr. Eleftherios Papathanasiou [Cyprus]
Prof. Elias Zir [Lebanon]
Ms. Gadeer Awad [Jordan]
Dr. Fadi AlSwait [Jordan]
Eng. Giacomo Mandruzzato [Italy]
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Mr. Hussain Salmi [Jordan]
Dr. Ihab Sefen [Egypt]
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Ms. Lama Yousef Abed Alsamad [Jordan]
Ms. Lelas Mansi [Jordan]
Dr. Lina Abukhader [Jordan]
Dr. Maha Al Sulaiteen [Qatar]
Dr. Maha Zaitoun [Jordan]
Dr. Mahmoud Mahrous [Egypt]
Dr. Mariam Kendary [Kuwait]
Mr. Martin Richter [Germany]
Eng. Mohamed Alaa [Egypt]

Dr. Mohamed Garrada [KSA]
Prof. Mohamed Mohamed El-Badry [Egypt]
Prof. Mohamed Salama [Egypt]
Mr. Mohammad Baqeyeh [KSA]
Dr. Mohammad El-Masri [Jordan]
Prof. Mohammad Ramadan Hassaan [Egypt]
Dr. Mona Abd Alfattah Ibrahim [Egypt]
Dr. Mona Kotait [Egypt]
Dr. Mona Mohamed Sharaf Moharam [Egypt]
Dr. Murad Almomani [KSA]
Dr. Mustafa Yousef [Egypt]
Dr. Nadia Abdulhaq [UAE]
Dr. Naglaa Nasser El Din Abou Shnaf [Egypt]
Prof. Nagwa Hazzaa [Egypt]
Ms. Natalie Teakle [Medel]
Dr. Nithreen M Said Abdelsalam [Egypt]
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Prof. Osama Sobhy [Egypt]
Ms. Ragdah Al-aryan [Jordan]
Dr. Rana Alkhamra [Jordan]
Dr. Reni Chandran [Qatar]
Dr. Safa Alqudah [Jordan]
Prof. Samia Basiony [Egypt]
Prof. Samir Assal [Egypt]
Dr. Shaza Alsaleh [KSA]
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Prof. Tarek El Dessouky [KSA]
Dr. Usama Abdel Nasser [Egypt]
Prof. Vincent Gansel [Germany]
Prof. Wafaa Elkholy [Egypt]
Prof. Wafaa Shehata Dieler [Germany]
Dr. Wessam Mostafa Essawy [Egypt]
Dr. Yasser Nafie [Egypt]
Dr. Yasser Shewel [Egypt]
Dr. Zainab Abubakr Al-Musleh [Qatar]

BIOGRAPHY OF SPEAKERS



Prof. AbdulRahman Hagr [KSA]

Received a bachelor degree in Medicine and Surgery from King Saud University, Riyadh, Saudi Arabia in 1996, completed his postgraduate studies in Otolaryngology from McGill University, Canada, in 2004, and in Otolaryngology and Neurotology from Dalhousie University, Halifax, Canada, in 2005. Professor Hagr holds the following certificates: MBBS, Saudi Council Examination, Internship, MCCEE, King Medal for Merit, Principles of Surgery, Royal College of Canada, and Dalhousie University Otolaryngology Fellowship. Professor Hagr is a professor at King Saud University, An otolaryngology consultant, a consultant at the Ministry of Health for National Neonatal Screening Program, a consultant at Al Habib Medical Center, otologyneurotology and skull base surgeon. Professor Hagr is the founder and advisor of the Cochlear Implant Programs in Saudi Arabia. He is also the founder of the Otolaryngology Fellowship Program at King Saud University, the founder of the largest cochlear implant program in Middle East, the founder of the first Bone Anchored Hearing Aid (BAHA), Hybrid CI, ABI, ABCI, Vistafix, Vibroplasty and Bonebridge programs in Saudi Arabia. Professor Hagr is currently the director of the following: King Abdullah Ear Specialist Center, at King Abdulaziz University Hospital, King Saud University, Director of the National Saudi Neonatal Screening Program, Prince Sultan Research Chair for Hearing Disabilities (RCHD). Professor Hagr is the president of the Saudi ORL Society.

He is a member at the King Saud University Counseling Board for Scientific Studies.

Professor Hagr is the Goodwill Ambassador of American Academy of Otorhinolaryngology Head and Neck Surgery. Professor Hagr is the Chairman of the International Communication Audiology and Neurotology iCAN Conference. Professor Hagr has made numerous conference presentations worldwide.

He is the author of eight books and more than thirty-five scientific articles.



Prof. Adel Abdel Maksoud Nassar

Adel Abdel Maksoud Nassar Professor of Audiovestibular Medicine ENT Department Ain Shams University, Cairo, Egypt Dr Adel Abdel Maksoud is a Professor of Audiovestibular Medicine since 2005 and Head of Audiology Unit, Otolaryngology Department, Ain Shams University, Cairo, Egypt since 2017 till 2021.

He was graduated from the Faculty of Medicine, Ain Shams University in 1984 and received his Master (1990) and Doctorate (1995) Degrees of Audiovestibular Medicine from the same University. He has a training and participated in scientific research in Miami Ear institute, Miami University, Florida, USA for 7 months (Jan. 1994 to Jul. 1994).

Currently, he is A member of the International Association of Physicians in Audiology (IAPA), the Egyptian Audio-Vestibular Medicine Association (EAVMA), the Egyptian Society of Oto-rhino-laryngology, Egyptian University Higher Board Committee and a Fellowship of Otolaryngology Ear Institute, University of Miami, USA. He is a reviewer in the Egyptian Journal of Oto Rhino Laryngology (EJO), Egyptian Journal of Ear, Nose, Throat and Allied Sciences (EJENTAS) and Ain Shams Medical Journal He is a senior staff member in Cochlear Implant, Balance and Hearing Aid Clinics of Ain Shams University Hospitals and started working, training, research and teaching in the field of cochlear implantaion since 1995 and till now in Ain Shams University Hospitals and other hospitals and centers in Egypt.

He contributed to all the Conferences, Workshops and Seminars organized by the Audiology Unit as a speaker or as a senior member of the Organizing or Scientific Committee.



Dr. Ahmad Khashaba [Egypt]

Qualification: M.B.B.Ch, Ain Shams Univ., Dec. 1977. Master Degree (M.Sc.), Ain Shams Univ., Apr. 1984. Medical doctorate Degree (MD.), Ain Shams Univ., Apr. 1990

Scope of Experience:

Egyptian Armed Medical Services.

Head & Neck Surgery Skull Base Surgery Oto- Neurosurgery.

Endoscopic Sinus Surgery & Anterior Skull Base Surgery.



Dr. Ahmad Mustafa [Egypt]

Dr. Ahmed Mostafa, MD

Consultant Otorhinolaryngology

Dean Of Hearing and Speech Institute- Egypt

General Manager of the Presidential initiative for neonatal hearing screening and CI program.



Prof. Alaa Abousetta [Egypt]

Prof. Alaa Abousetta has completed his MD of Audiology at the age of 35 years from Ain-shams University, Cairo. He shared in inauguration of Audiology units in Suez Canal University hospitals and in many hospitals in the Gulf area. He worked as Audiology consultant at King Fahd hospital, Jeddah, KSA for 6 years. He has published more than 30 research papers in reputed regional and international journals. He is currently Professor and the Head of Audiovestibular unit, Suez Canal university where he have settled Audiovestibular medicine post graduate degrees. He is also working as Audiovestibular medicine professor and head of academic section of clinical sciences at the Armed Forces College of Medicine (AFCM). Moreover, he is the course coordinator of "history of medicine and humanities" at Faculty of Medicine, Suez Canal University, Ismailia, Egypt.



Prof. Ali Gamal [Egypt]

Professor Emeritus of Otorhinolaryngology, Ain Shams University, Cairo, Egypt. Graduated from Ain Shams University in Egypt in 1979. He got his Master's degree and M.D. degrees from the same university in 1983 and 1987.

He received post-doctoral training at House Ear Institute, Los Angeles California, USA, in 1987-1986 and in Kurume University, Japan in 1993.

He is a Cochlear Implant surgeon at Ain Shams University since 1993 and he established the Cochlear Implant Center at Sheikh Zaid Specialized Hospital (MOH) in Cairo in 2003 2006-.He worked as the Director of the research methodology Unit of ENT Department, Ain Shams University for 5 years.



Prof. Ali Mahrous [Egypt]

(MB BCh; MS; MD; DOHNS; FRCS) Professor of Otolaryngology Neurotology, Al-Azhar Medical School, Cairo, Egypt. Clinical Director of Cochlear Implant Program and Microtia group at Al-Azhar Specialized Hospital.

Dr. Mahrous is heavily involved in teaching both under and postgraduate students. He is currently an Associate Editor of the Egyptian Journal of Ear Nose Throat and Allied Sciences and also a reviewer of many international journals such as the European Archives of Otolaryngology Head and Neck surgery etc..

Prof. Mahrous has many international publications, the last of which was published in the European journal of international advanced otology 17-15:(1)14;2018 titled "Predicting round window visibility during cochlear implantation using high resolution CT Scan".



Prof. Amani Ahmed Shalaby [Egypt]

(Professor of Audiology, Ain Shams University -Member of International Auditory Physician Association (IAPA) -Vice president of the Egyptian Audio-vestibular Medicine Association (EAVMA) -Member of Egyptian Otorhino-laryngology Society -Member of Egyptian Audio-Vestibular Medical Society. Certified Trainer of KAMPS method of Auditory Integration Training (AIT) -Reviewer in the ENT Committee for promotion of Professors & assistant Professors -Reviewer of EJENTAS Journal -Reviewer of EJO Journal – Specialized in diagnosis & management of hearing & balance disorders. Main domain evaluation & management of children with learning disabilities, central auditory processing disorders (CAPD). Attention Deficit Hyperactive Disorder (ADHD), Autistic spectrum disorder



Mr. Arthur Holl [Germany]

Arthur Holl began his training as a hearing aid acoustician in 2016 and, after two and a half years of vocational training, successfully passed his journeyman's examination. 2018, he moved to Lübeck to attend the master craftsman course full-time at the Academy of Hearing Acoustics and completed it in the summer of 2019. He now teaches in the inter-company apprentice training program in hearing aid fitting as a full-time lecturer in Lübeck.

His other main tasks are also audiology and medicine in the master courses.



Dr. Arwa Ahmed [Egypt]

Present Audio-vestibular specialist at Alexandria university hospital 2016 Graduate from Alexandria University of Medicine Resident at university hospitals 2021-2018 Master degree of Audiovestibular medicine 2021

Ms. Asia Alshasi [Jordan]

Audiologist at Middle east hearing association.



Dr. Aya Magdu Elhousseiny [Egypt]

Assistant lecturer of audiology ENT department Faculty Of Medicine - Ain Sham University



Dr. Bassant Soliman [Egypt]

Dr. Bassant A Soliman Elshakhs Consultant Audio-Vestibular Medicine, KFSH-D



Prof. Chiraz Mbarek Chaouch [Tunisia]

Prof. Chiraz Mbarek Chaouch
Graduated from Faculty of medicine of Tunis Tunisia 1992
ENT Resident 1994-1990
Assistant 2000-1995
Associate Professor 2006-2001
Professor at Faculty of medicine of Tunis since 2007
Head of department : ENT, Head and Neck Surgery at Habib Thameur Hospital Tunis Tunisia since 2013
Chief Editor of Tunisian Journal of Otorhinolaryngology, Head and Neck Surgery 2012-2004
General secretary of STORL 2014-2010
President of Tunisian ENT, Head and Neck Surgery Society (STORL) 2016-2014
President of Maghrebian Federation of Otorhinolaryngological Societies (MAFOS) 2019-2015
Member of Scientific committee of ENT Head and Neck Surgery Arab Board since 2021
University degree in Otolaryngology and Otoneurology, University of Bordeaux France, 1993
University degree in Immunology and Allergology, Faculty of medicine of Tunis, 2000
Master's degree in legal compensation of bodily injury Faculty of medicine of Tunis, 2009
Expert at the Courts of Tunis since 2009



Dr. Dan Gold [USA]

Dr. Gold is an Associate Professor of Neurology, Ophthalmology, Otolaryngology - Head & Neck Surgery, Neurosurgery, Emergency Medicine, and Medicine at The Johns Hopkins University School of Medicine.

He is a neurologist with fellowship training in neuro-ophthalmology at the University of Pennsylvania and additional training in neuro-vestibular disorders at Johns Hopkins, and is the director of the Ocular Motor & Vestibular Oto-Neurology Fellowship within the Division of Neuro-Visual and Vestibular Disorders.

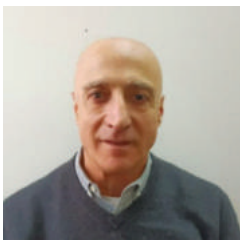
Dr. Gold maintains an active clinical practice, seeing patients with vestibular and neuro-ophthalmic conditions.

He is also heavily involved in the education of residents and fellows, giving frequent lectures on topics related to his subspecialty expertise in addition to leading neuro-ophthalmology/ocular motor bedside teaching rounds. He has received awards for neurology resident teaching and clinical excellence, and for outstanding educational contributions to the Neuro-Ophthalmology Virtual Education Library (through the North American Neuro-Ophthalmology Society) via an ocular motor/vestibular collection (<https://novel.utah.edu/Gold/>). He has also written a Neuro-Ophthalmology & Neuro-Otology case-based textbook, which was published in early 2022.



Dr. Eleftherios Papathanasiou [Cyprus]

Dr. Eleftherios Papathanasiou is a Clinical Neurophysiologist and Fellow of the European Academy of Neurology. He has a Master's Degree in Cell Biology, Neurobiology and Anatomy from Loyola University Stritch School of Medicine in Chicago, and a PhD in Clinical Neurophysiology from the Alexandroupoli General Hospital School of Medicine, Greece. His main research interest is in Neurotology and Vestibular Evoked Myogenic Potentials (VEMPs). He has 59 publications in international peer reviewed journals and has been cited by 275 other publications. He was chairman of an international working group with regards to the Clinical Application of Cervical VEMPs published in 2014 in the journal Clinical Neurophysiology, which is now considered an international guideline by the International Federation of Clinical Neurophysiology. He is now currently working on another international guideline with regards to the Neurophysiological Evaluation of the Vestibular System



Prof. Elias Zir [Lebanon]

Prof. Elias Zir Senior Expert in European commission of health (MENA)



Dr. Fadi AlSwait [Jordan]

Dr Fadi AlSwaiti is a Professor in the Department of Audiology and Speech Pathology at AlAhliyya Amman University. He received his B.A. and M.A. from the University of Jordan, and his Ph.D. from the University of North Carolina at Greensboro (UNCG). Dr Fadi AlSwaiti worked as a speech pathologist for ten years with much of that time spent in the medical sector. After graduating from his PhD program in 2019, he assumed a tenure track position as an assistant professor at the University of Wisconsin River Falls teaching both undergraduate and graduate students. His current research is focusing on creating a normative database and determinants of lexical retrieval in Jordanian Arabic speakers. Additional scholarly work is focusing on validation research in the development of the Jordanian Arabic aphasia test.

Ms. Gadeer Awad [Jordan]

4th year bachelor's student in audiology at Al-Ahliyya Amman University.



Eng. Giacomo Mandruzzato [Medel/Italy]

Giacomo Mandruzzato is Biomedical Engineer at MED-EL.

He obtained the bachelor's degree in 2016 and Master degree in 2010 at the Department of Information Engineering of the University of Padova (Italy).

He worked as Product Specialist and R&D Signal Processing Engineer in biomedical companies before joining MED-EL in 2012.

He is project leader of approved medical device and team leader, managing development projects and clinical studies on evoked potentials for patient's assessment with cochlear implants.



Ms. Hannah Albrecht [Germany]

Hannah Albrecht began training as a hearing aid acoustician in 2015 and, after three years of vocational training, successfully passed her journeyman's examination and worked as a journeywoman for one year.

In 2019, she moved to Lübeck to attend the master craftsman course full-time at the Academy of Hearing Acoustics and completed it in the summer of 2020 as the best exam candidate.

She now teaches in the inter-company apprentice training program in ear mould production as well as audiology and hearing aid fitting as a full-time lecturer in Lübeck



Mr. Hussain Salmi [Jordan]

Hussain Salmi is a Jordanian Audiologist and Regional Product Manager For Phonak MENA ,having BSc. Audiology and MBA degrees .



Dr. Ihab Sefen [Egypt]

Consultant of Otorhinolaryngology in Head and Neck Surgery, National Hearing and Speech Institute, General Organization for Teaching Hospitals and Institutes, Head and Neck Surgery and cochlear implant surgery at the police hospital in Agousa and Head and Neck Surgery at Cleopatra Hospital, maadi branch (Nile Badrawi Hospital)-Cleopatra Hospitals Group.

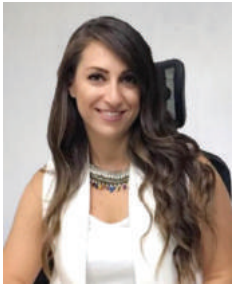
CHG Membership of Professional Societies Member of the accreditation committee of the Egyptian Fellowship of Otorhinolaryngology. Member of the scientific council of EBENT training system.

Member of the cochlear implant team in the National Hearing and Speech Institute, Member of the Egyptian Society of ENT and Allied Sciences (ESENTAS) Ministry of Health, Cairo-Egypt.



Prof. Iman Sadek El Danasoury [Egypt]

Professor of Audiovestibular medicine at Ain Shams University, Cairo, Egypt. Graduated from the Faculty of Medicine at Ain Shams University in 1982 and received Master's (1986) and Doctorate (1992) degrees at the same university.



Ms. Jinane Toufic Haddad [Lebanon]

Jinane Haddad is a Lebanese Speech Language Pathologist, with over 16 years of experience working with children, adolescents and adults with various disabilities in several hospitals and centres settings.

She trained intensively in the field of hearing loss and cochlear implants, became a rehabilitation expert, and made numerous presentations on issues related.

Jinane currently leads a multidisciplinary team in her own clinic in Lebanon and also serves with MEDEL as a rehabilitation consultant for Egypt and Lebanon.

She earned a degree in speech language pathology from the Lebanese university, and is a member of the Lebanese Association of Speech and language Pathologists ALO.



Ms. Julie Kosaner [Medel/Turkey]

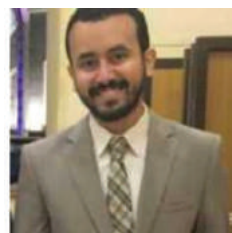
Julie Kosaner is a Teacher of the Deaf and Educational Audiologist with over 38 years of experience.

She has played a major role in the establishment of early intervention and cochlear implant programs in Turkey and Singapore.

From 2000 onwards she has worked as a clinical specialist and consultant for MED-EL Hearing Implant Company, based in Turkey.

She has run many training workshops on fitting of hearing implants and habilitation of pediatric users focusing on family centered guidance.

She has designed many habilitation materials, has published scientific papers and routinely speaks at international scientific meetings.



Dr. Karim Mohamed Hanafy [Egypt]

ACADEMIC DEGREES: 1) Master Degree in Audiology (M.Sc.), the title of essay was (Value of Speech P1 Cortical Evoked Potential in Threshold Determination in Cochlear Implant Children), Faculty of Medicine, Ain_Shams University, Cairo, Egypt, 2. (2016) M.B.B.Ch. Faculty of medicine, Ain_Shams University, Cairo, Egypt, with a general grade "Excellent with honor", December 2011.

ACADEMIC POSITIONS: 1) Assistant lecturer in Audiology Department, Ain_Shams University, Cairo, Egypt, (2. (2017) Clinical Demonstrator in Audiology Department, Ain_Shams University, Cairo, Egypt, Egypt.

3) Resident in Audiology unit ,ENT Department, Ain_Shams University Hospitals, Ain_Shams Faculty of Medicine, Ain_Shams University, Cairo, Egypt, (July 2013 - July 4 .(2016) House Officer (A Multi-Specialty Rotating Internship) (March 2012 - February 6 :(2013 months at Ain_Shams University Hospital divided in following departments; General Surgery, neurosurgery, oncology, Tropical, and 6 months in El Shorouk general hospital (Ministry of health hospital).



Ms. Laila Qanawati [Jordan]

Laila Qanawati Speech-Language Pathology Consultant, MSc, CCC-SLP

WORK EXPERIENCE: 2005 – Present Head of Speech Therapy Clinics Al-Ahliyya Amman University Al Salt, Jordan Directing and organizing the speech clinic.

Supervising students during evaluation and treatment of children and adults with communication disorders.

2004 – Present Instructor Al-Ahliyya Amman University The Faculty of Pharmacy and Medical Sciences, Hearing and Speech Department Teaching Academic and Practical Courses.

2003 – 2004 Head of Speech Therapy Clinics American Medical Clinics Amman, Jordan Evaluated and treated children and adults with communication disorders. Implemented in-classroom language-speech service at the Ahliyyah School for Girls.

1996 – 2001 Head of Speech Therapy Clinics Al-Miran Institute for Advanced Sciences In Hearing Balance & Communication Amman, Jordan Developed a speech-language screening tool, in Arabic to be used by classroom teachers. Provided training for teachers from various schools regarding strategies to be implemented in the classroom to facilitate speech-language development.

CERTIFICATES: Certificate of Clinical Competence CCC-SLP EDUCATION 1990 – 1992 M.Sc in Speech Language Pathology Lamar University (Texas, USA).

1986 B.Sc in Biological Analysis University of Jordan.



Ms. Lama Yusef Abed Alsamad [Jordan]

Lama alrashid is a fourth-year student at Jordan University of Science of Technology in College of Applied Medical Sciences, where she is pursuing a degree in Audiology and speech pathology. She received an ABA and several certifications besides participating in cochlear implant workshop and volunteering as a research assistant in other research conducted by professors in her department.

Miss. Lama received an audiology training in Royal Sound Clinic.

When lama graduates, she is looking forward to pursue her graduate studies in speech and language therapy and specializing in aural rehabilitation .



Ms. Lelas Mansi [Jordan]

Lelas Mansi is fourth-year student at Jordan University of Science and Technology where she is pursuing a bachelor's degree in Audiology and Speech Pathology. She participated in a cochlear implant and sign language workshops, has been working as a volunteer in other research conducted by professors in her department. She also received an audiology training from Royal Sound Clinic in Irbid. When finishing her undergraduate degree, she intends to apply to a graduate school to further her knowledge in aural rehabilitation and speech therapy. In the future, she is planning to work as an auditory-verbal therapist with children wearing hearing aids and cochlear implant devices.



Dr. Lina Abukhader [Jordan]

Dr. Maha Al Sulaiteen [Qatar]

Specialist, Hearing and Balance Disorders. Audiology- HMC.
Assistant professor of clinical Otolaryngology, Weill Cornell Medicine-Qatar
MSc Healthcare management RCSI
Institute for Healthcare Improvement (IHI) fellow



Dr. Maha Zaitoun [Jordan]

Dr. Maha Zaitoun (Corresponding author) Assistant Professor of Audiology Department of Rehabilitation Sciences Faculty of Applied Medical Sciences Jordan University of Science & Technology



Dr. Mahmoud Mahrous [Egypt]

Dr. Mahmoud Mahrous Consultant of audio-vestibular medicine at KFHU, Imam Abdelrahman Bin Faisal university, Khobar, KSA Lecturer of audio-vestibular medicine, Ain-shams university, Cairo, Egypt



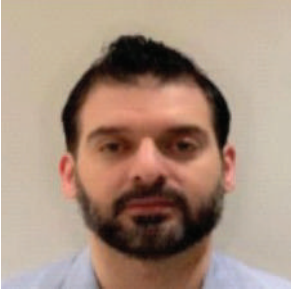
Mr. Martin Richter [Germany]

Martin Richter is 31 years old lecturer from the Academy of Hearing Acoustics in Lübeck. His experience in hearing acoustics are more than 10 years now. Until 2018, he worked for a large hearing aid company in Germany, where he also completed his degree as a Master Craftsman and Bachelor Professional. Here he worked as a shop manager in different shops all over Germany. Since 2019, he is working at the Academy of Hearing Acoustics in Lübeck. Here he is responsible for audiology and hearing aid fitting in different levels.



Eng. Mohamed Alaa [Medel/Egypt]

Mohamed Alaa is a clinical engineer who has been working in the Cochlear Implant field for MED-EL for more than 6 years. His goal is to reach the highest level of knowledge and performance for our customers and clinics. His work is focused on raising the technical and education level for our customers in addition to our team, in addition to supporting clinical research with our customers to achieve and reach the best scientific outcome. Mohamed received his bachelor's degree from the University of Alexandria in Egypt, where he studied electromechanical engineering. Mohamed holds a masters degree in Audiology and Rehabilitation from the University of Isabel.



Dr. Mohamed Garrada [KSA]

Mohamed Garrada King Abdulaziz University Hospital, Jeddah, Saudi Arabia



Prof. Mohamed Mohamed El-badry [Egypt]

Professor of Audio-Vestibular Medicine and head of Audio-Vestibular Unit, Minia University, Egypt. Graduated from the school of Medicine, Minia University, Egypt in 1991; had Master degree in Audiology, Ain Shams University, Egypt in 1995; had Ph.D in Audiology from State University of New York at Buffalo, USA in 2003. Specialized in the diagnosis and management of different hearing and vestibular disorders; has special experience and research in central vestibular disorders especially vestibular migraine and multiple sclerosis. He has special experience and research in auditory neuropathy spectrum disorder. He has several international publications in pathogenesis, diagnosis, and management of audio-vestibular disorders.



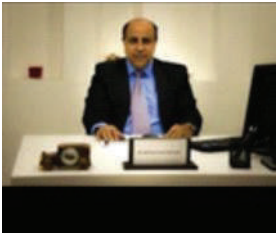
Prof. Mohamed Salama [Egypt]

Professor of Audio-Vestibular Medicine, ENT Dep., Assiut University, Egypt. Head of Audio-Vestibular Medicine, Assiut University between 2018-2009. Organizing member of the Egyptian Audio-Vestibular Medicine Association (EAVMA). Reviewer in the scientific committee of otorhinolaryngology for examining scientific production of Applicants of the position of professors and assistant professors. President of the EAVMA Conference March 2022.



Mr. Mohammad Baqeyeh [KSA]

2008 Audiologist in King Fahd General Hospital, Jeddah, KSA. 2012 Enrollment in Cochlear team in King Fahd General Hospital 2016 Membership in National Hearing Screening Program. 2018 Membership in Ministry of Health Committee of Cochlear Implant. 2019 General Supervisor of Cochlear Implant Center in King Fahd General Hospital, Jeddah, KSA.



Dr. Mohammed El-masri [Jordan]

Dr. Mohammad Al Masri; Ph.D. Audiology and Speech Pathology Department. Al-Ahlyia Amman University. Amman. Jordan. Associate professor of Audiology. General Secretary of the Advanced Arab Academy of Audiology Director of Hearing and Balance Department Pharmacy and Medical Sciences Founder of the Middle East Hearing Association



Prof. Mohammad Ramadan Hassaan [Egypt]

Professor Mohammad Ramadan Hassaan Dr. Mohammad Ramadan Hassaan is a Professor of Audio-vestibular Medicine in the ORL department, Faculty of Medicine, Zagazig University, Egypt. He got his MS and MD Audiology degrees from the remarkable Egyptian University "Ain Shams". His MD thesis was in the development of informal auditory training program in Arabic language for children with auditory processing disorders. Currently, his research interests are about remediation of auditory processing disorders, auditory training of children using cochlear implants and measurement of late evoked potentials.



Dr. Mona Abd Alfattah Ibrahim [Egypt]

An assistant specialist of audio-vestibular medicine at the ministry of health-Egypt as well as being an MD' (medical doctorate) student at Ain Shams University-Faculty of medicine-ENT department-Audiology unit



Dr. Mona Kotait [Egypt]

Assistant professor : Mona Ahmed Kotait, Medical doctor degree of Audiology and assistant professor of audiovestibular Medicine, Audiology unit, otorhinolaryngology department, faculty of medicine, Tanta University, Egypt. Membership of the Egyptian society of otorhinolaryngology and the Egyptian society of audiovestibular Medicine (EVMA).



Dr. Mona Mohamed Sharaf Moharam [Egypt]

Name: Mona Mohammad Sharaf Mohammad Moharam.

Date and Place of Birth: 9 April 1986, Al_Madina Al_monawara, Saudi Arabia.

Nationality: Egyptian.

Marital Status: Single.

Language: Native Arabic, Fluent English.

Home Address (Egypt): El-Shrouk city, Cairo, Egypt.

Work Address (Egypt): Otolaryngology Department (Audiology unit) , Faculty of Medicine, Ain_Shams University , Cairo, Egypt.



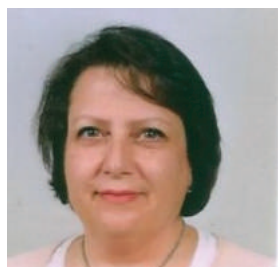
Dr. Murad Almomani [KSA]

Dr Murad Almomani Ph.D., CCC-A, FAAA. I hold the American Board of Audiology, Certificate of Clinical Competence [ASHA] since 2006. Since 2010 to date, I serve as the chairperson of audiology and balance unit as well as an associate professor of audiology at ENT department – college of Medicine, King Saud University. I also served as the chairperson of the scientific committee of Audiology at Saudi Commission for Health Specialties (2018-2015). Additionally, I am a founding member for King Abdullah Ear Specialist center, Chairperson of iCAN conference and active researcher as well with more than 30 publications in peer reviewed journals.



Dr. Mostafa Youssif [Egypt]

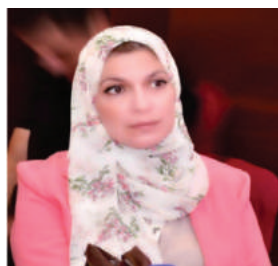
Dr Mostafa Youssif MD, PhD, CCC-A, FAAA. Consultant of Audio-Vestibular medicine at Sohag university hospital and Associate professor of audiology at Sohag Faculty of medicine. Dr. Mostafa Youssif received his medical degree from Sohag faculty of medicine, Sohag University in Sohag, Egypt. He completed residency training in Audio-Vestibular medicine at Sohag University and Ain Shams University Hospital and received the master degree in Audio-vestibular from Ain Shams faculty of medicine, Cairo, Egypt. In 2007, he moved to USA where he received his PhD degree from University of Cincinnati, Cincinnati, Ohio. He obtained the American Speech and hearing Association (ASHA) certificate (CCC-A) on 2010 and the American Academy of Audiology Fellow (FFFA) and Ohio State License on 2011. In 2012 he returned back to Sohag University where he joined the Cochlear implant program at Sohag university Hospital and now he is the coordinator of Sohag CI program. He is also the manager of the audiology clinic at Sohag Craniofacial center. Dr Youssif received many distinguished awards: - ASHA Audiology/Hearing Science Research Travel Award (ARTA) 2011. - Certificate of recognition for success in Clinical Research at UC Health University Hospital, May 2011. - James Jerger Award for excellence in research, Audiology Now, 2011, - Medal of Honor from the International Federation of Oto-rhino-laryngological Societies (IFOS) 2002.



Dr. Nadia Abdulhaq [UAE]

Senior Clinical Technical and Rehabilitation Consultant, Cochlear Middle East and Africa MA in Speech Language Pathology, PhD in Communication Disorders. Doctor of Audiology (AuD)

She received her MA in Speech Language Pathology from Jordan and continued her doctoral studies in USA with focus on audiology and rehabilitation. Her work spans from establishing the speech therapy clinic at Palestinian Red Crescent Society in 1998 to developing a bachelor program in Speech and Hearing in 2011. She started her work at Cochlear as clinical technical specialist in 2009 and led the clinical technical team at Cochlear Middle East and Africa office from 2019- 2016. Between Sep 2019 and Sep 2020 she took the responsibility of Rehabilitation Manager for the Middle East and Africa at Cochlear ME. Currently she is a senior consultant in Clinical Technical support and Rehabilitation.



Dr. Naglaa Nasser El Din Abou Shnaf [Egypt]

Dr Naglaa Nasser El Din Abou Shnaf Audiology Consultant at National Health Insurance Institute Egypt Manager of CI Programming and Speech Rehabilitation Center at Bahtim Hospital for Special Surgeries, we have 2000 implanted cases. I participated as a member in several National committees for choosing the national selection criteria for CI candidates and criteria of choosing CI centers. I was a member of two successive National Tenders for selection of CI and HA devices 2018,2020. I had my own weekly column in Al Dostour weekly news paper 2018 -2017, and shared some social articles at respective web sites.



Prof. Nagwa Hazaa [Egypt]

Professor of Audiology, Otolaryngology Department, Ain Shams University, Cairo, Egypt. Graduated from the Faculty of Medicine at Ain Shams University in 1981 and received her Master's (1985) and Doctorate (1991) degrees at the same university. Conducted many researches on Auditory Evoked Potentials, pediatric hearing, pediatric hearing aid fitting and neonatal hearing screening. Senior staff member in the Balance Clinics of Ain Shams University hospitals and has many publications on assessment and rehabilitation of dizziness. Member of the Egyptian Audio-Vestibular Medicine Association (EAVMA), the Egyptian Society of Oto-rhino-laryngology and the International Association of Physician Audiologists (IAPA). member in the Egyptian University Higher Board committee for promotion of professors and assistant professors in Audiology. Co-editor of the Egyptian Journal of Oto Rhino laryngology (EJO) and she is a reviewer in the Egyptian Journal of Ear, Nose and Throat and Allied Sciences (EAJANTAS).



Ms. Natalie Teakle [Medel]

Natalie is a LSLS Certified Auditory-Verbal Therapist and a Speech and Language Therapist who has experience working as part of multidisciplinary cochlear implant programs in Australia and the United Kingdom providing individualized early intervention to children with hearing loss and their families. In her role at MED-EL, Natalie develops rehabilitation materials and provides rehabilitation training and mentoring support globally.



Dr. Nithreen M Said Abdelsalam [Egypt]

Dr Nithreen M Said Abdelsalam MD of Audiology, Faculty of Medicine Ain Shams University, Egypt. Professor of Audiology Ain Shams University, Egypt. Experienced in management and programming of cochlear implant patients. Joined Imam Abdulrahman Bin Faisal University on October, 2011. Shared in establishment of cochlear implant program in King Fahd University Hospital, Dammam - Saudi Arabia. Published many articles in international journals and reviewer in some international journals as Audiology Neurootology J, International J of pediatric otorhinolaryngology. Speaker in many conferences and organizer of yearly cochlear implant course in King Fahd University hospital.



Prof. Osama Sobhi [Egypt]

Professor Ossama Sobhy is currently a professor emeritus of audio vestibular medicine in otolaryngology department, faculty of medicine, Alexandria university, Egypt. Dr sobhy has finished the medical school bachelor from Alexandria university in 1983, followed by a master in audiology from ain shams university in Cairo . In 1993 he obtained his Phd from the University of Memphis, Memphis, Tennessee in USA. He authored and co authored a number of papers and presented several presentations in international meetings in his fields of interest such as auditory evoked potentials, cochlear implantation and vestibular medicine.



Ms. Ragdah Al-aryan [Jordan]

Ragdah Al-aryan is a Jordanian Audiologist and Senior product trainer for unitron MENA ,graduated from Jordan University with a master degree in Speech-Language Pathology.

Ms. Rahaf Ibraheem [Jordan]

4th year bachelor's student in audiology at Al-Ahliyya Amman University.

**Dr. Rana Alkhamra [Jordan]**

Rana Alkhamra, PhD, CCC-SLP, is an associate professor in the University of Jordan's Department of Speech and Hearing Sciences. She specializes in auditory rehabilitation as well as speech and language therapy for children with hearing loss, particularly those who have cochlear implants. Her current research has focused on the rehabilitation services and outcomes associated with receiving a cochlear implant in Jordan. Her research aims to develop outcomes and increase parental satisfaction with cochlear implant rehabilitation services in Jordan. Dr. Alkhamra has extensive teaching and clinical experience supervising master's and bachelor's level students in the area of training children with hearing loss and their families on how to develop listening and spoken language skills through the use of appropriate amplification and early intervention. She was trained in Auditory Verbal Therapy at the University of Michigan Cochlear Implant Program and other cochlear implant programs throughout the United States. Dr. Alkhamra received a master's degree in speech therapy from Jordan University and a doctorate in speech therapy from Michigan State University. She is a fellow of the American Speech and Hearing Association (ASHA) and a member of the Alexander Graham Bell Association for the Deaf and Hard of Hearing (AG Bell).

**Dr. Reni Chandran [Qatar]**

Specialist Audiovestibular medicine, Hamad Medical Corporation ,Doha Qatar. Graduated from Thrissur Medical college ,Calicut University, India, received the Degree of Bachelor of medicine and surgery(MBBS) in 2003, Post Graduate Diploma in Otorhinolaryngology(DLO) (2006) and Master of Surgery (MS) post graduate degree in Otorhinolaryngology (2009) from Christian Medical College and Hospital (CMC) , Vellore, India. She did her dissertation "Auditory Neuropathy – Frequency and clinical profile in a tertiary care centre" and trained to handle audiovestibular patients under the guidance of the Professor of Audiovestibular medicine in CMC trained in UCL London. The exposure to the field of Audiology started as a Junior Research Officer under World Health Organization in Deafness Prevention and Rehabilitation Programme and Hearing Aid project in 2007. She has worked as Assistant Professor in ENT in Karakonam Medical college India till 2011 and then relocated to Doha . Completed Diploma in Clinical Audiology and Diploma in Vestibular rehabilitation at Hamad Medical Corporation (HMC) in collaboration with Toronto University. She joined Hamad Medical corporation , ENT department ,Al Wakra hospital in 2013 and then shifted to Audiology and Balance Unit in 2014 till date. Member of Indian Medical Association (IMA) . Special interest in Auditory Neuropathy Spectrum disorder with papers published on the same. Currently working in the Pediatric Audiology branch of Audiology and Balance unit, Hamad Medical Corporation(HMC) assisting and catering to the needs of Neonatal hearing screening in Qatar.

**Dr. Safa Alqudah [Jordan]**

Dr. Safa Alqudah is an Associate Professor at the Faculty of Applied Medical Sciences at Jordan University of Science and Technology (JUST) in Jordan. Besides, she supervises students inside the educational clinic of King Abdullah University Hospital. Dr. Alqudah received a bachelors' degree in speech and hearing from JUST. Afterward, she earned a Ph.D. degree in audiology from the University of Kansas with research focusing on the role of MsrA gene in protecting the inner ear. She also serves as a leader for "Hear the World" project, a volunteer project funded by the international foundation "Hear the World".



Prof. Samia Bassiouny (Egypt)

Position: Professor of Phoniatics, Phoniatics Unit, Dept. of Otolaryngology, Faculty of Medicine, Ain Shams University, Cairo, Egypt. Educational Background: M.B., B.Ch. December 1980, grade: very good, Faculty of Medicine, Ain Shams University, Cairo, Egypt. Master degree in Phoniatics: November 1984, grade: very good. Thesis: - Neurological disorders of the larynx. Faculty of Medicine, Ain Shams University, Cairo, Egypt. - Research fellow at Yale University and University of Tennessee, USA, December, 1986 August, 1988 - Doctoral Degree in Phoniatics: April, 1990. Dissertation: - Study of the macro and micro structure of the laryngeal ventricle in order to evaluate its role on the sphincteric functions of the larynx. Faculty of Medicine, Ain Shams University, Cairo, Egypt. - Senior house officer: 1982-1981, Ain Shams University Hospitals, Cairo, Egypt. - Resident of Phoniatics, Faculty of Medicine, Ain Shams University, Cairo, Egypt. March 1982 - April 1985. - Clinical Demonstrator of Phoniatics, Phoniatics Unit, Dept. of Otolaryngology, Faculty of Medicine, Ain Shams University, Cairo, Egypt. April 1985. - Assistant Lecturer of Phoniatics, Phoniatics Unit, Dept. of Otolaryngology, Faculty of Medicine, Ain Shams University, Cairo, Egypt. November 1985. - Research fellow at Yale University and University of Tennessee, USA, December 1986 August 1988. - Lecturer of Phoniatics, Phoniatics Unit, Dept. of Otolaryngology, Faculty of Medicine, Ain Shams University, Cairo, Egypt. October 1990. - Assistant Professor of Phoniatics, Phoniatics Unit, Dept. of Otolaryngology, Faculty of Medicine, Ain Shams University, Cairo, Egypt. November 1995. - Professor of Phoniatics, Phoniatics Unit, Dept. of Otolaryngology, Faculty of Medicine, Ain Shams University, Cairo, Egypt. November 2000. - Head of the Phoniatics Unit, Dept. of Otolaryngology, Faculty of Medicine, Ain Shams University, Cairo, Egypt. 2017-2014.



Prof. Samir Assal [Egypt]

Prof Dr Samir Ibrahim Assal Professor of audiovestibular medicine in ORL department at Alexandria University Expert in vestibular medicine with multiple international publications, experience with hundreds of vestibular cases and participation in multiple international conferences.



Dr. Shaza M. Saleh [KSA]

Dr. Shaza Saleh is a seasoned consultant audiologist and cochlear implant expert with a passion for planning and development especially in the field of Audiology and particularly in the area of implantable auditory devices. She is currently the head of Audiology at King Abdullah Ear Specialist Center in Riyadh. After receiving her Bachelor's degree with first honours in Audiology and Speech Therapy at King Saud University in 1998, she completed her MSc at University College London (UCL) in 1999. After which she joined King Faisal Specialist Hospital & Research Center (KFSH&RC) in Riyadh as an audiologist I in 2000, where she founded the Aural Rehabilitation / Therapy (ART) programme in association with the Speech Pathology Clinic in 2001. At KFSH&RC, she worked on the development and structuring of the cochlear implant (CI) programme (the first CI programme in Saudi Arabia) where she developed the cochlear implant evaluation protocol and candidacy criteria which were subsequently adopted, she was also involved in the planning (design plans, equipment and required personnel) of the new Audiology section. After around a decade of clinical experience she went to pursue her PhD in Audiology specialising in cochlear implantation and auditory implantable devices at the UCL Ear Institute while based at the Royal National Throat Nose and Ear Hospital in London. After receiving her PhD in 2013, she continued clinical work at KFSH&RC and was also involved in writing qualification tests for Audiologist in Saudi Arabia, planning for the development of the CI programme at KFSH&RC, collaborative teaching at King Saud University and Princess Noura University in addition to collaborative research projects with different academic institutions. She moved to King Abdullah Ear Specialist Center (KAESC) early 2017 as the Head of Audiology to help further development of the largest National Cochlear Implant in Saudi Arabia. Her writings and publications include contributions to scientific journals, various public education articles, web pages and pamphlets both in Saudi Arabia and in the UK [in association with the Deafness Research UK (DRUK)]. She was the president of the Arab Academy of Audiovestibulology and is a board member of the Saudi Society for Speech-language Pathology and Audiology as well as a member in the scientific committee of medical rehabilitation at the Saudi Commission for Health Specialties. She has been an invited speaker, a keynote speaker and/or instructor at numerous regional and international conferences. Her research interests include binaural hearing, noise induced hearing loss, implantable auditory devices including improving performance with cochlear implants, assessment of speech perception and the development of auditory test materials in Arabic.



Prof. Soha Mekki [Egypt]

Prof. Soha Mekki, Ph.D. Professor Audio-Vestibular Medicine, Department of Oto-RhinoLaryngology. Faculty of Medicine. Zagazig University. Established and served as head of Audio-Vestibular Unit since 2011 she is founder of cochlear implant program committee in Zagazig University. Received her Master's and Doctorate degrees in Audio-Vestibular medicine from Ain Shams University. She has published over 20 articles and supervised over 40 master and doctorate thesis and has taught national and international courses and seminars in different areas of audio-vestibular assessment and rehabilitation. She shared in many hearing rehabilitation convoys and currently she is international professional trainer, founder and treasurer of Egyptian Audio-Vestibular medicine association and member of education committee in national council for women in Egypt.



Prof. Somia Tawfeek [Egypt]

She is a professor of Audiology at Ain Shams University, Cairo, Egypt, She was graduated from the Faculty of Medicine at Ain Shams University and had master degree and medical doctorate degrees at the same university. She has two years fellowship in USA where she conducted her doctorate dissertation under supervision of Dr. Robert Keith, professor audiology, University of Cincinnati, Ohio, USA . The title of the dissertation was development and standardization of Arabic central auditory tests in adults. Presently, she is a member of the International Association of Physicians in Audiology (IAPA), the audiology committee of international association of logopedics and phoniatrics (IALP), the Egyptian Audio-Vestibular Medicine Association and the Egyptian Society of Oto-rhino-laryngology. She is reviewer in the Egyptian Journal of Ear, Nose and Throat and Allied Sciences (EJANAS) and in the Egyptian University Higher Board committee for promotion of professors in Audiology. She is a reviewer of the journal of the American Academy of audiology (AAA). Her present research focuses on new horizons in central auditory testing such as speech-evoked potentials in children with central auditory processing disorders and language disorders . She also shares in researches in the field of the central auditory testing in elderly. She also shares in research on hearing aids, vestibular testing and rehabilitation of hearing-impaired children.



Prof. Takwa Gabr [Egypt]

Current position: Professor and Head of Audiovestibular Unit, Faculty of Medicine, Kafrelsheikh University, Egypt.

Scientific degrees:

M.B.B.CH: November 1995. Tanta faculty of medicine with very good degree.

Master degree of Audiology: November 2001. Tanta faculty of medicine with excellent degree.

PhD of Audiovestibular Medicine: April 2008. Tanta faculty of medicine with excellent degree.

Society membership:

Member of the Egyptian Society of Ear Nose and Throat.

Member of the Egyptian Audio-Vestibular Medicine Association.

Member of the International Association of the Physician Audiovestibular Medicine.

Areas of interest:

Cochlear Implants

Hearing Aids

Auditory evoked potentials

Central auditory pathway

Vestibular system: evaluation and rehabilitation



Prof. Tarek El Dessouky [KSA]

Professor of Audiolo-Vestibular Medicine at BeniSuaif University, Egypt, currently Consultant at King Fahed Specialized Hospital (KFSHD), Dammam KSA

Received a Bachelor's degree (with honors) in Medicine, and the M.Sc.M and M.D. degrees in Clinical Audiology from Cairo University, Cairo, Egypt, in 2002 ,1997 and 2006, respectively. He was the head of the outpatient audiology clinic for the Educational Hospital of BaniSuaif University. In addition to his academic affiliation, Dr. El Dessouky has his own audiology practice in Cairo and BaniSuaif cities. Furthermore, Dr. El Dessouky used to work as a consultant specialist in a number of elite hospitals and healthcare providers in Cairo, Egypt. On the international level, Dr. ElDessouky has been an active participant of several conferences and workshops that were held in North America and Europe



Prof. Vincent Gansel [Germany]

Vincent Gansel completed his training as a hearing aid acoustician in 2011. After his learning as a hearing aid acoustician journeyman, he attended to begin his studies at the Fachhochschule Lübeck – University of Applied Sciences. In 2016 he successfully finished his studies with the academic degree Bachelor of Science (B. Sc. Hearing Acoustics) and his Master Craftsman degree (Bachelor Professional) Since November 2016 he works as a full-time lecturer at the Academy of Hearing Aid Acoustics in Lübeck. Teaching the master craftsman classes, inter-company apprenticeship trainings and tutorials are his main tasks. In 2019 he became the Head of International and Industry at the Academy of Hearing Acoustics and is responsible for the International Courses held by the Academy.



Prof. Wafaa El Kholy [Egypt]

Professor of Audio-vestibular Medicine at Otorhinolaryngology Dept., Ain Shams University, Cairo, Egypt.

Shared in the development of Arabic speech perception tests for adults and children and the Arabic computer-based program for remediation of children with auditory processing disorders. She is co-founder of a rehabilitation center for pre-school hearing aid and cochlear implant users. She is a member of the International Association of Physicians in Audiology and the Egyptian Audio-Vestibular Medicine Association (Board member). She is reviewer in the Egyptian Journal of Ear, Nose and Throat and Allied Sciences and the Egyptian Journal of Oto-rhino-laryngology and the Supreme Council of Universities in Egypt for promotion of professors in Audiology. Her present research focuses on speech-evoked potentials in children using cochlear implants, those with central auditory processing disorders and/or language disorders. Her most recent research focuses on implementation of discrimination cortical evoked potentials, specifically the Acoustic Change Complex, in cochlear implant users and in children with auditory processing disorders. At present, she is working with colleagues in updating the internet-based Arabic Computer-based remediation program, and in developing new material for clinical evaluation and remediation of young children with limited language abilities secondary to hearing deficit, both peripheral and central.



Prof. Wafaa Shehata Dieler [Germany]

Professor and Chief of Audiology/Electrophysiology and Phoniatics, Chief of the Center for Genetic Inner ear disorders (ZGI) Senior faculty member, Department of Otolaryngology, Wuerzburg University Hospitals. Graduate and Post-graduate- studies at the Ain Shams University, Cairo, Johns Hopkins Universtiy, Baltimore, Maryland, USA and Julius-Maximilians-University Würzburg, Germany. Doctorate degree in Audiology, 1988. German ENT-Board certified 1997. German Phoniatics- and Pediatric Audiology-Board certified 2002. State Doctorate "Habilitation" Professorship: University of Würzburg, 2009. Research and clinical experience: Audiology: o Evoked potentials of the auditory pathway o Neonatal hearing screening and early identification, diagnosis and therapy of hearing disorders in infants and young children. • Diagnosis and rehabilitation of patients with ANSD • CI, ABI, hearing aids, implantable hearing devices • Genetics of hearing disorders •Intraoperative electrophysiological monitoring of the cochlear nerve function • Basic mechanisms of ototoxicity and noise induced hearing loss Phoniatics: • Diagnosis and treatment of Voice disorders in children and adults •Office-based Phono-surgery • Larynx EMG Teaching activities: Medical students, academic speech and Language students and Teachers for special needs, national and international ENT physicians, phoniaticians. Supervision of numerous national and international doctorate and Masters Students. Publications: more than 80 peer reviewed papers, 27 book chapters. More than 115 reviewed abstracts and more than 100 invited lectures in national and international conferences.



Dr. Wessam Mostafa Essawy [Egypt]

Wessam Mostafa Mohammed Essawy Current Position: Lecturer in Audio-vestibular Unit, ENT dep. Faculty of Medicine, Tanta University, Tanta, Egypt since 2017. University degrees & Qualifications: Master (Audiology): Faculty of Medicine, Tanta University, Egypt, April, 2011 with grade excellent. MD (Audiology): Faculty of Medicine, Tanta University, Egypt, 2017 with grade excellent. Specialty Experience: Evoked potentials testing, Vestibular assessment testing (basic and advance), Central auditory testing, HA programming and CI programming



Dr. Yasser Nafie [Egypt]

Dr. Yasser Nafie Mohammad Mohammad Nafie, MD Consultant of Audio-Vestibular Medicine Nationality: Egyptian Licence Number: p7456 Email :ynafie@gmail.com Department: Audio-Vestibular Medicine. PERSONAL INFORMATION & Activity: • Yasser Nafie Mohammad Mohammad Nafie, MD • Consultant of Audio-Vestibular Medicine. • Date of Birth: May 1968, 15. • Nationality: Egyptian. PROFESSIONAL QUALIFICATIONS • M.B.B.CH. Graduated from medical school Ain Shams University Faculty of Medicine Dec 1991 • MS in audiology in 1997 • Training in Paris Hôpital Beaujon CLICHY FRANCE. ORL department Jan-Apr/ 2000: • MD in audio-vestibular medicine in 2006 Ain Shams University • Fellowship with CHBC Cleveland, OH, USA Apr-Nov/ 2010. • Membership of the Egyptian Audio- Vestibular Medicine Association (EAVMA). PROFESSIONAL EXPERIENCE 1) Teaching Experience: •Clinical instructor for the undergraduate and graduate students, Otolaryngology Department, Military Medical Academy (since Sep. 2006). •Reviewer in Egyptian journal of Otolaryngology (EJO). •Sharing in many conferences in EGYPT as a speaker, instructor and panelist since 1996. PUBLICATIONS Yasser Nafie, Marc Friedman, and Mohamed A. Hamid: "Auditory and vestibular findings in patients with vestibular migraine", Audiological Medicine. September 2011, Vol. 9, No. 3, Pages 102-98 Adel A Maksoud, Dalia Mohamed Hassan, Yasser Nafie, Ahmed Saad: "Intratympanic Dexamethasone Injection in Meniere's disease." The Egyptian Journal of Otolaryngology, Year 2015, Volume 31, Issue 2 [p. 134-128 Work in Progress: • "Comparison between toprimate and Calcium channel blockers in Vestibular Migraine." • "Verification of hearing aids in children using aided ASSR response." • "Natural history of Meniere's disease in Egyptian Patients." AFFILIATIONS •Membership of the Egyptian Medical Syndicate (since 1993). •Membership of the Egyptian Audio-Vestibular Medicine Association (EAVMA) (since 2007). •Membership of International Association of Physicians in Audiology. (IAPA) (Since 2010).



Dr. Yasser Shewel [Egypt]

Consultant ENT
Alexandria University



Dr. Zainab Abubakr Al-Musleh [Qatar]

Dr.Zainab Abubakr Al-Musleh Consultant Hearing & Balance Disorders in Audiology & Balance Unit / Hamad General Hospital MBBS, Arab Board Certificate in Otolaryngology Head & Neck Surgery, Fellowship Clinical Training in Royal Free Hospital & Great Ormand St. Hospital, London, UK.



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SYNOPSIS

Pre congress workshop	Wednesday, May 11th, 2022 (Medel Workshop)
Day 1	Thursday, May 12th, 2022
8:00 - 9:00	Registration
9:00 - 10:45	Session 1: Cochlear implants (1)
10:45 - 12:00	Opening Ceremony and Coffee Break
12:00 - 13:00	Session 2: Advances in Audiology
13:00 - 14:00	Lunch Break
14:00 - 16:15	Session 3: Vestibular Disorders (1)
16:15 - 16:30	Coffee Break
16:30 - 18:00	Session 4: Workshops and Poster Presentations
Day 2	Friday, May 13th, 2022
8:00 - 9:00	Session 5: Workshops and Poster Presentations
8:30 - 9:00	Keynote Speech 1
9:00 - 10:45	Session 6: Cochlear Implants (2)
10:45 - 11:00	Coffee Break
11:00 - 12:30	Session 7: Paediatric Audiology
12:30 - 14:00	Jumaa Prayer and Lunch break
14:00 - 16:15	Session 8: Cochlear Implants (3)
16:15 - 16:30	Coffee Break
16:30 - 18:00	Session 9: Workshops and Poster Presentations
Day 3	Saturday, May 14th, 2022
9:00 - 9:30	Keynote Speech 2
9:30 - 11:00	Session 10: Cochlear implants (4)
11:00 - 11:30	Coffee Break
11:30 - 12:45	Session 11: COVID and Audiology
12:45 - 13:45	Session 12: Companies' Workshops
13:45 - 14:45	Lunch break



MED-EL AUDIOLOGY WORKSHOP

11 May 2022, Arab Hearing Health Conference

Kempinski Hotel, Amman, Jordan

Venue: Sun Meeting Room

Presenters:

Julie Koşaner- International Hearing Implant and Rehabilitation Manager-MEDEL

Giacomo Mandruzzato - Team Leader, Evoked Potentials, Research & Development

Agenda

9:00 – 10: 00	ESRT Fitting Method
10.00 – 10.30	Triphasic Stimulation in CI users with NAS and CND
10:30-11:00	Coffee Break
11:00 -12:10	Use of Aided Cortical Assessment with pediatric implant users
12.10-12:30	Implantation of the 2nd ear after a long interval
12:30-1:30 :	Lunch
13:30- 15:00	EABR and PromStim EABR
15:00-15:30	Coffee Break
15:30- 16:30	Cortical recording with MED-EL Maestro software

SCIENTIFIC PROGRAM

Day 1		Thursday, May 12th, 2022	
8:00	Registration		
Session "1": 9:00 – 10:45			
Chairpersons: Iman Sadek El Danasoury, Khalid A. Hadi, Mohammad El-Massri			
Cochlear implants (I)			
9:00 – 9:15	Cognitive development of young children after cochlear implantation		Murad Almomani
9:15 – 9:30	Non-auditory stimulation after cochlear implant		Tarek El Dessouky
9:30 – 9:45	Informal auditory training approach for children using cochlear implants		Mohammad R. Hassaan
9:45 – 10:45	Panel Discussion: Watershed zone between Otologists and Audiologists		Moderator: Ali Mahrous Panellists: Adel Abdel Maksoud Ahmad Khashaba Ihab Sefen Mohamed Salama Yasser Shewel
10:45 - 12:00	Opening ceremony & Coffee break		
Session "2": 12:00 - 13:00			
Chairpersons: Hala Alomari, Shaza Alsaleh, Somia Tawfeek, Tarek Ghanoum			
Advances in Audiology			
12:00 - 12:15	Integrating Cupping Therapy in the Treatment Tinnitus, Dizziness, Hearing Loss 'in Inner Ear Pathologies		Zainab Abubakr Al-Musleh
12:15 - 12:30	Distortion Product Otoacoustic Emissions (DPOAEs) In Tinnitus Patients		Takwa Gabr
12:30 - 12:45	MED-EL latest Updates		Mohamed Alaa (medel)
12:45 - 13:00	The Effect of Using Technology for Long Periods on Auditory Processing Capabilities		Safa Alqudah
13:00 - 14:00	Lunch break		
Session "3": 14:00 - 16:15			
Chairpersons: AbdulRahman Hagr, Chiraz Mbarek Chaouch, Hesham Taha, Soha Meky			
Vestibular Disorders (I)			
14:00 - 14:15	Recent advances in Vestibulopathy		Mona Kotait
14:15 - 14:30	Vascular Vertigo		Bassant Soliman
14:30 - 14:45	Unusual vestibular cases presentation		Samir Assal
14:45 - 16:15	Round table Discussion: White matter ischemia and balance functions Moderator Vestibular impairment in children with sensorineural hearing loss Audiovestibular symptoms in fibromyalgia. Genuine or deceiving Meniere's and migraine BPPV and white matter ischemia		Dr. Nagwa Hazaa Mohamed Elbadry Alaa Abousetta Mohamed Salama Nagwa Hazaa
16:15 - 16:30	Coffee break		

Session "4": 16:30 - 18:00		
Workshops & Poster Presentations		
Workshop1	Central auditory processing disorders	Somia Tawfik, Amany Shalaby, Wafaa Elkholy
Workshop2	Clinical Approach to Tinnitus	Yasser Nafie
Workshop3	Cochlear company workshop – What's New in Sound Processes and Programming	Nadia Abdulhaq
Poster Presentation 1	Assessment of outcome measures after audiological computer-based auditory training in cochlear implant children	Karim Mohamed Hanafy
Poster Presentation 2	Balance Assessment in Hepatitis C virus patients undergoing (Sovaldi/Daklinza) Regimen	Aya Magdu Elhusseiny
Poster Presentation 3	The relationship between the central auditory processing and the production of various sounds in patients with articulation	Lama Yousef Abed Alsamad
Poster Presentation 4	Evaluation of performance of hearing aid users using acoustic change complex (ACC) and behavioural measures.	Mona Abd Alfattah Ibrahim

Day 2		Friday, May 13th, 2022
Session 5 8:00 - 9:00		
Workshops & Poster Presentations		
Workshop1	Fundamentals of Hearing Aid Fitting	Vincent Gansel Hannah Albrecht Martin Richter
Workshop2	Phonak latest technology, Paradise Platform.	Phonak (Hussain Salmi)
Workshop3	Digital solutions beyond amplification.	Unitron (Ragdah Al-aryan)
Poster Presentation 5	Event related potentials in cases of Amblyaudia	Wessam Mostafa Essawy
Poster Presentation 6	Invoking the influence of emotion in central auditory processing to improve the treatment of speech impairments.	Lelas Mansi
Poster Presentation 7	The correlation between COVID-19 and Tinnitus among University students at Al-Ahliyya Amman University	Gadeer Awad
Poster Presentation 8	The effect of full and partial mapping on sound localization and consonant recognition abilities in cochlear implant users	Arwa Ahmed

Key-note Speech 1 & Session 6 8:30 - 10:45 Chairpersons: Hussain Alrand, Nagwa Hazaa, Wafaa Shehata Dieler		
Key-note Speech1 8:30 - 9:00	Pure nystagmus	Dan Gold
Session 6 9:00 - 10:45 Cochlear implant (2)		
9:00 - 9:15	A scoring system for cochlear implant candidate selection using artificial intelligence	Alaa Abousetta
9:15 - 9:30	Cochlear implant families with more than one child hopes and reality	Naglaa Abou Shnaf
9:30 - 10:45	Panel Discussion: CI outcomes: Variable & Predictors	Moderator: Adel Abdel Maksoud Nassar Panellists: Aly Gamal Iman Sadek El Danasoury Maha Al Sulaiteen Samia Basiony Soha Meky Usama Abdel Nasser
10:45 - 11:00	Coffee Break	
Session 7 11:00 - 12:30 Chairpersons: Alaa Abousetta, Basel Al-Sabah, Nithreen Said, Osama Sobhy		
11:00 - 11:15	Influence of Bimodal Technologies on hearing performance in Cochlear Implant Users	Advanced Bionics
Session 7 11:15 - 12:30 Paediatric Audiology		
11:15 - 11:30	Results of hearing screening in preschoolers in the region of Sousse	Chiraz Mbarek Chaouch
11:30 - 12:30	Paediatric Hearing Loss Challenges in Diagnosis & Management	Moderators: Dr. Somia Tawfik Wafaa Shehata Dieler Panellists: Reni Chandran Mariam Kendary Shaza Alsaleh
12:30 - 14:00	Jumaa Prayer and Lunch break	
Session 8 14:00 - 16:15 Chairpersons: Adel Abdel Maksoud Nassar, Mohamed Salama, Wafaa Elkholy Cochlear implantation (3)		
14:00 - 14:30	Temporal bone imaging: Cochlear implant Team Perspective	Ali Gamal
14:30 - 14:45	New methodology in the identification of inner ear anatomical types	Abdul Rahman Hagr
14:45 - 15:05	Audiological profile in children with congenital inner ear anomalies and its relevance to cochlear implantation	Mohamed Mohamed El-Badry
15:05 - 15:15	Cochlear implant in Egypt	Ahmad Mustafa

15:15 - 15:30	Factors affecting ECAP recording in CI patients	Nithreen M Said Abdelsalam
15:30 - 15:45	Can Slope of ECAP Amplitude Growth Function Predict Speech Outcome in CI Users?	Osama Sobhy
15:45 - 16:00	Cochlear Implantation in children with Jervell and Lange-Nielsen syndrome	Mustafa Yousef
16:00 - 16:15	How post-lingual musicians hear music	Elias Zir
16:15 - 16:30	Coffee Break	
Session 9 16:30- 18:00 Workshops & Poster Presentations		
Workshop1	Vestibular evoked myogenic potentials (VEMPs)	Eleftherios Papathanasiou
Workshop2	ASSR	Wafaa Shehata Dieler
Workshop3	Real Ear Measurement – the individual fitting	Vincent Gansel Arthur Holl Martin Richter
Poster Presentation 9	The occurrence of sudden sensorineural hearing loss post second attacks of COVID19- and vaccinations among University students at Al-Ahliyya Amman University	Rahaf Ibraheem
Poster Presentation 10	The effects of Coronavirus (COVID19-) and vaccinations on Otoacoustic emission findings in Al-Ahliyyaa Amman University students.	Londra Mayo
Poster Presentation 11	The effectiveness of Jordanian neonatal hearing screening program in detection of mild sensorineural hearing loss before the age of 6 months	Asia Alshasi

Day 3	Saturday, May, 14th, 2022	
Key-note speech 2, and Session 10 9:00 - 11:00		
Chairpersons: Amal Alshaikh, Iman Ghorab, Mohamed El Badry, Yasser Nafie		
9:00 - 9:30	Keynote speech 2: Bedside examination of ocular motility	Dan Gold
Session 10 9:30 -11:00 Cochlear implantation (4)		
9:30 - 9:45	The Effect of Side of Implantation on Cochlear Implant Performance	Mahmoud Mahrous
9:45 - 10:00	Translation and standardisation of Arabic questionnaires for evaluation of cochlear implant performance in toddlers and children	Mona Mohamed Moharam
10:00 - 10:15	Cochlear Implant Complications in Children and Adults: Retrospective Analysis of 148 Cases	Mohamed Garrada
10:15 - 10:30	Cochlear Implantation: Evaluating the CI Audio Processor Satisfaction Levels	Mohammad Baqeyeh
10:30 - 10:45	Children with cochlear implants in Jordan: Are they ready for school?	Rana Alkhamra
10:45 - 11:00	Cochlear implant in adults: the impact of rehabilitation pre and postoperatively on recipients' quality of life (QOL)	Jinane Toufic Haddad
11:00 - 11:15	Coffee Break	

Session 11 11:30 – 12:30		
Chairpersons: Amani Shalaby, Mostafa Yousif, Samir Assal		
11:30 - 11:45	Connected with Cochlear hearing solutions	Nadia Abdulhaq
Session 11 11:45 – 12:45		
COVID and Audiology		
11:45 - 12:00	The incident of endolymphatic hydrops after corona virus: computerized dynamic petrographic findings	Mohammad El-Masri
12:00 - 12:15	Impact of COVID-19 on audiology practice in Jordan and Arab countries: perspective of audiologists	Maha Zaitoun
12:15 - 12:30	Study on Hearing Loss In COVID-19 Patients And The Audiological Profile Of symptomatic and asymptomatic COVID 19 patients in Qatar	Reni Chandran
12:30 - 12:45	Effectiveness of Oral Corticosteroids (Prednisolone) in Sensorineural Hearing Loss post COVID19-	Wessam Mostafa Essawy
Session 12 12:45 – 13:45		
Companies' workshops		
12:45 - 13:45	Phonak latest technology, Paradise Platform.	Phonak (Hussain Salmi)
12:45 - 13:45	Digital solutions beyond amplification.	Unitron (Ragdah Al-aryan)
12:45 - 13:45	Advanced Bionics Bimodal Solution: towards the ultimate hearing experience.	Advanced Bionics
13:45 - 14:45	Lunch break	

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ABSTRACTS

Day 1

Thursday, 12th May 2022

9:00 - 9:15

Murad Almomani **Cognitive development of young children after cochlear implantation**

Objective:

To evaluate cognitive development in young children after receiving cochlear implant.

Methodology:

150 children between the ages of 2 and 6 years old who received unilateral or bilateral cochlear implant underwent a prospective cognitive assessment at baseline, 18, 12, 6 and 24 months post implant. Pattern of cognitive development was compared to age-matched control group (normal hearing children). All children in all groups were assessed by using Leiter International Performance Scale and Sensory Integration and Praxis Tests (SIPT). Initially, the instruments used to assess cognitive development were validated to be used in Arabic speaking population.

Results:

Results suggest that early implanted (three years or less) children show a cognitive development pattern similar to that of normal hearing age-matched children. Late implanted children, however, deviate significantly from normal hearing age-matched children in terms of pattern of cognitive development. Conclusion: Early implanted children resemble normal hearing children in terms of cognitive development patterns.

Thursday, 12th May 2022

9:15 - 9:30

Tarek El Dessouky **Non-Auditory stimulation after cochlear implant**

Cochlear Implant (CI) has developed into a commonly performed procedure for severe to profound deafness in patients who derive minimal benefit from conventional acoustic amplification. CI is considered a safe and reliable procedure, and in most cases substantially beneficial. Complications are rare and can be categorized as early occurring within three months post implantation versus late occurring after three months. Mild complication that resolves spontaneously or major that requires revision surgery. Non-auditory stimulation (NAS) is not an uncommon minor complication of CI surgery and is seen in about a quarter of recipients. The most common NAS seen in cochlear implant patients are facial nerve stimulation, pain post cochlear implant without sign of inflammation, throat pain and vestibulospinal stimulation.

Thursday, 12th May 2022

9:30 - 9:45

Mohammad Ramadan Hassaan **Informal auditory training approach for children using cochlear implants**

During the communication skills via auditory modality, the auditory processing constitutes only the introductory section of sophisticated higher brain processes: Cognition, Metacognition & Reaction. There is a misconception that we encounter hearing impaired children with APD as much as we encounter them in normal peripheral hearing children. The auditory system starts to detect and store changes of sound from the 4th to 6th gestational month. The function of CANS develops by experience neuroplasticity on top of peripheral auditory input. Accordingly, we can hypothesize that all children who experienced any period of any degree of deprivation of peripheral acoustic input will have central auditory impairment at least to their own expected hearing levels if they haven't APD. Based on this hypothesis, all children with hearing loss should be considered for CAP management including auditory training and compensatory strategies either offered by subjects or implemented in hearing devices.

Thursday, 12th May 2022

9:45 - 10:45

Panel Discussion: Watershed zone between Otologists and Audiologists

Moderator:

- **Ali Mahrous**

Panelists:

- **Adel Abdel Maksoud**
- **Ahmad Khashaba**
- **Iman Abdelbadea Ghorab**
- **Ihab Sefen**
- **Yasser Shewel**

MSc and MD Theses supervised by Professor Dr. Adel Abdel Maksoud Nassar (last 5 years)

- Development and standardization of an Arabic test battery for evaluation of cochlear implant performance in toddler's and children (2015): By Mona Mohammad Sharaf, under supervision of Dr. Iman M.S. El-Danasoury, Adel Ibrahim Abdel Maksoud Nassar, Fathy Naeem, Doctor Degree Thesis, Faculty of Medicine, Ain Shams University

- A study of Intratympanic Dexamethasone Injection in Meniere's disease (Continuation Study) (2017): By Sameh Mumdouh Abdel Raouf, under supervision of Dr. Adel Ibrahim Abdel Maksoud Nassar, Ahmed Ehab Fahim Chedid, Rasha Hamdi El-Kabarity, Master Degree Thesis, Faculty of Medicine, Ain Shams University

- Evaluation of Automated Auditory Brainstem Response versus Oto-Acoustic Emissions in neonatal hearing screening (2017): By Fatma Mohammed Abdelhakim, under supervision of Dr. Nadia M. Kamal, Adel Ibrahim

Abdel Maksoud Nassar, Rasha Hamdi El-Kabarity, Master Degree Thesis, Faculty of Medicine, Ain Shams University - Evaluation of Clear Voice speech enhancement algorithm in children using cochlear implant (2017): By Mohamed Ahmed Mohamed Mehesin, under supervision of Dr. Adel Ibrahim Abdel Maksoud Nassar, Hesham Mohamed Taha, Tayseer Taha Abdel Rahman, Master Degree Thesis, Faculty of Medicine, Ain Shams University - Performance Of Cochlear Implant Patients Using Bimodal Stimulation And FM System (2018): By Rasha Abdulla Mohamed, under supervision of Dr. Adel Ibrahim Abdel Maksoud Nassar, Rasha Hamdi El-Kabarity, Tayseer Taha Abdel Rahman, Master Degree Thesis, Faculty of Medicine, Ain Shams University - Cortical and subcortical processing of speech in cochlear implant recipients with auditory neuropathy spectrum disorder (2020): By Amal Mohammed Younis, under supervision of Dr. Adel Ibrahim Abdel Maksoud Nassar, Dalia Mohammed Hassan, Tayseer Taha Abdel Rahman, Master Degree Thesis, Faculty of Medicine, Ain Shams University - Development and stadardization of an Arabic test battery and questionnaires for evaluation of cochlear implant performance in toddlers and children (2021): By Mona Mohamed Sharaf, under supervision of Dr. Wafaa Shehata-Dieler, Dr. Iman Sadek El-Danasoury, Dr. Adel Ibrahim Abdel Maksoud Nassar, Doctor Degree Thesis, Faculty of Medicine, Ain Shams University - Study of Effectiveness of Prophylactic Treatment for Vestibular Migraine Patients (2021): By Shaimaa Salah Abdel Hamid, under supervision of Dr. Adel Ibrahim Abdel Maksoud Nassar, Tamer Hussien Emar, Eman Mohammed Galal, Master Degree Thesis, Faculty of Medicine, Ain Shams University

Thursday, 12th May 2022
12:00 -12:15

Zainab Abubakr Al-Musleh
Integrating Cupping Therapy in the Treatment Tinnitus, Dizziness, Hearing Loss 'in Inner Ear Pathologies

A Pilot Study Cupping therapy is one of integrative medicine modalities which is used by several nations. Its mechanism of action is not well known but there are several theories explained how it can play a rule in the treatment of diseases. In recent years, huge advances have taken place in understanding of inner ear pathophysiology causing sensorineural hearing loss, tinnitus, and vertigo. Research articles providing evidence of acupuncture treating dizziness and vertigo but no studies of cupping therapy. This is a prospective interventional pilot study in which pre and post intervention outcomes were assessed and compared. 27 patients diagnosed with Ménière's disease and idiopathic tinnitus or tinnitus secondary to inner ear pathology were included in this study and received medical treatment and wet cupping therapy. Study results represented significant improvement after 6 sessions of cupping in tinnitus handicap inventory and dizziness handicap inventory but not in patient's hearing. No adverse events were reported in this study. In conclusion, wet cupping

therapy demonstrates a promising effectiveness in reducing discomforts of both dizziness and tinnitus. It may be worth trying in patients with tinnitus and Ménière's disease in combination with medical treatment to improve prognosis. A large scale randomized control trial is recommended to confirm these results.

Thursday, 12th May 2022
12:15 -12:30

Takwa Gabr
Distortion Product Otoacoustic Emissions (DPOAEs) In Tinnitus Patients

Author: Prof. Takwa Gabr Professor of Audiovestibular Medicine Kafrelsheikh University, Egypt

Abstract: Introduction Tinnitus is the perception of sound in the absence of external sound stimulation. There is a general agreement that it is a direct consequence of irreversible and permanent cochlear damage.

Objectives: The present work is designed to study the distortion product otoacoustic emissions (DPOAEs) in tinnitus patients with normal hearing in comparison with normal hearing control and to study any possible correlation between DPOAEs recording and patients' complaints.

Methods: The present study included 80 subjects divided into 2 groups: Control group: consisted of 30 normal-hearing adults not complaining of tinnitus and Study group: consisted of 50 normal-hearing adults complaining of tinnitus. The methodology includes full audiological history, otoscopic examination, basic audiological evaluation, DPOAEs including both DP-gram and DPOAEs input/output functions. Results: Basic audiological evaluation showed within normal hearing sensitivity in both groups, however, with significant higher hearing thresholds in tinnitus patients at all frequency ranges. The Tinnitus Handicap Inventory Questionnaire showed elevated scores in the study group. The DPOAEs showed abnormal results in the study group.

Conclusion: Patients with tinnitus might have neural dysfunction at either the level of the cochlea, as shown in reduced DPOAE levels, and changes in the normal DP-I/O function recorded in the present work

Thursday, 12th May 2022
12:30 -12:45

Mohamed Alaa
MED-EL latest Updates
Presenting the latest hearing products of MED-EL called SONNET 2 and RONDO 3.

Thursday, 12th May 2022
12:45 - 13:00

Safa Alqudah
The Effect of Using Technology for Long Periods on Auditory Processing Capabilities

With the spread of the coronavirus, social media is being used for a variety of social and educational purposes. The increasing use of electronic devices in and outside college classes has become an issue for both professors and students. This research will attempt to describe the decline in adult auditory abilities caused by recent prolonged screen exposure using the Amsterdam Inventory for Auditory Disability and Handicap (AIADH) questionnaire. The importance of this study is using AIADH questionnaire in evaluating several listening abilities including detection of sounds, speech in quiet, speech in noise, auditory localization, sound discrimination, and noise tolerance, which are possible to be impacted by overuse technology. A sample of 275 Jordanian and normal hearing participants was recruited and asked to fill AIADH questionnaire. After analyzing the data, the results indicated that the average total hours spent in study and entertainment during the outbreak was 11 hours, and the result showed a difference in hearing abilities between those who spent 5 hours or less and those who spent more than 5 hours. Regardless of the increasing in exposure time after 5 hours, the score of auditory performance will not change. On the other hand, when analyzing the hearing skills of the group who has equal or less than 5 hour exposure time, the researchers found that the lower the exposure time, the better the performance. The audiologists will utilize the findings in designing prevention programs against noise-induced hearing loss.

Keywords: Auditory skills, AIADH, coronavirus, exposure time, entertainment, prevention.

Thursday, 12th May 2022
14:00 - 14:15

Mona Ahmed Kotait
Recent advances in Vestibulopathy

Recent advances in Vestibulopathy

Introduction: The vestibular system has three main functions: It is part of (VOR) that helps to stabilize vision during head movement, to maintain balance when standing and walking and helps with spatial orientation. The ear is divided into 3 segments, the outer, middle and inner ear. There is a link that exists between the inner ear and the brain. The function of this link is to keep a balance when you get out of your bed or when you need to walk on the rough space. In case there is any damage to this link, you will have a problem with both vision and hearing and this situation is called as vestibulopathy. Bilateral vestibulopathy (BVP) is damage to the vestibular system in the inner ear, which is part of the balance system. "Bilateral" means the damage is on both sides. As regards management, There are four elements to managing BVP: Treatment of the underlying cause of BVP, if possible, Avoiding situations that could be unsafe or could

symptoms worse, such as driving or walking on uneven ground at night, Avoidance of vestibular suppressants and ototoxins , Vestibular rehabilitation, which can improve the symptoms, help you cope with them better, and help you learn to use vision and proprioception more effectively for balance and Sensory substitutions devices.

Key words: Balance, sensory substitution, vestibulopathy, vestibular rehabilitation

Thursday, 12th May 2022
14:15 - 14:30

Bassant Soliman
Vascular Vertigo

Introduction

Vertigo is a common complaint in medicine, vertigo of vascular origin is usually limited to migraine, transient ischaemic attacks and ischaemia or hemorrhagic stroke. vascular causes lead to vascular central or peripheral vestibular syndromes with vertigo.

Objectives:

An overview of classification, diagnostic criteria, epidemiology, clinical evaluation of vascular vertigo

Conclusions:

- History taking about the characteristics of vestibular symptoms, associated central symptoms, and vascular risk factors should be the first step in diagnosing vascular vertigo/dizziness despite the marked progress in neuroimaging and laboratory medicine.
- Systematic examination focused on central vestibular and ocular motor signs, especially HINTS, is more accurate than EARLY imaging in diagnosing vascular vertigo/dizziness based on LATE imaging.
- Video HIT and recording of eye movements may help to increase the diagnostic accuracy.

Thursday, 12th May 2022
14:30 - 14:45

Samir Ibrahim Assal
Unusual vestibular cases presentation

The diagnosis of BPPV requires objective findings indicating the pathology, which side and which canal is affected. In ordinary clinical practice BPPV is tested by Dix Hallpike test and the side lying test. Patients who present with typical symptoms can be diagnosed easily and underwent CRP successfully. but what if symptoms are not typical? Recently from our experience we will describe abnormal vestibular cases presentations. unusual BPPV cases, cases with central vestibular disorders with unusual presentation.

Thursday, 12th May 2022
14:45 - 16:15

Round table Discussion: White matter ischemia and balance functions

Moderator:

- **Dr. Nagwa Hazaa**

Topics and speakers:

Mohamed Elbadry

● Vestibular impairment in children with sensorineural hearing loss

Mohamed Fawzi

● Vestibular migraine and BPPV

Mohamed Salama

● Meniere's and migraine

Nagwa Hazzaa

● BPPV and white matter ischemia

Friday, 13th May 2022

8:30 – 9:00

Dan Gold

Key-note Speech: Pure nystagmus

Abstract: Not everything that jiggles is nystagmus! This presentation will focus on distinguishing nystagmus from other nystagmoid movements, in addition to how to characterize, identify and localize various forms of nystagmus.

Friday, 13th May 2022

9:00 - 9:15

Alaa Abousetta

A scoring system for cochlear implant candidate selection using artificial intelligence

Abousetta A1 , Elkholy W2 , Hegazy M3 , Kolkila E 4 , Emara A4 , Serag Sh5 , Fathalla A 6 , Ismail O1.

Cochlear implant (CI) candidate selection is a lengthy, complicated process that entails subjective judgement on the interaction of multiple preoperative variables. We assume that setting a scoring system for the process of CI candidate selection would help in precise and reliable decision making. This would also provide a tool that would help in providing a better quality of life for cochlear implant patients. Retrospective cohort study was held out in three post CI rehabilitation centers; 100 children records were analyzed with two statistical methods; conventional and Artificial Intelligence using Machine Learning. Language age deficit, phonological deficit, and social deficit were invented as new measures of C I performance; used to represent the developmental delay of those children in a single numeric value (in months). Artificial Intelligence analysis surpassed conventional statistical methods for the prediction of the outcome measures of post CI performance. This was clearly expressed using linear regression models. The AI classification model validation for predictive accuracy of language age deficit, phonological deficit, and social deficit were 56.66 %, 88.11%, and 40.46% respectively. The production of a preliminary cochlear implant scoring model used for prediction of performance of patients was achieved, more data should be collected and fed to the software in order to improve its performance. Key words: Cochlear Implant, Artificial Intelligence, Machine Learning, Scoring, Candidate selection.

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Friday, 13th May 2022

9:15 - 9:30

Naglaa Nasser El Din Abou Shnaf

Cochlear Implant Families with More Than One Child Hopes and Reality

Objective: Understanding the family's experience of two children or more who uses a cochlear implant (CI). Specifically, to identify the difficulties, changes, and different results entailed the use of the CI to have more understanding of the role of the family with more than a child with a CI.

Method: Data collection instrument & semi-structured interviews from 9 families. Results: knowledge deficit, difficulties, benefits, risks and fears are some factors that make this process difficult. Experiences deriving from interactions with other cochlear implant users and their relatives strengthen decision making in favor of the implant of the younger child.

Conclusion: deciding on whether or not to have the implant involves a complex process, in which the family needs to weigh gains and losses, experience feelings of accountability and guilt, besides overcoming the risk aversion. Hence, this demands cautious preparation and knowledge from the professionals involved in this intervention.

Keywords: Children; Cochlear implantation; Deafness; Family; Hearing loss; Life change; Rehabilitation

Friday, 13th May 2022

9:30 -10:45

Panel Discussion: CI outcomes: Variable & Predictors

Moderator:

● Adel Abdel Maksoud Nassar

Panelists:

● Ali Gamal

● Iman Sadek El Danasoury

● Maha Al Sulaiteen

● Samia Basiony

● Soha Meky

● Usama Abdel Nasser

Abstract: Severe to profound hearing loss is estimated to affect more than 10 infants in every 1000 live births in developing countries including Arab countries. Cochlear implant (C.I.) provides the greatest & only opportunity for these children with severe to profound hearing loss to develop optimum audition and consequently optimum language acquisition. The ultimate outcome of cochlear implant including the sounds available through the device, speech perception and speech production is individual to each child.

In this panel, we will discuss different variables affecting cochlear implant outcome. These include variables related to subject, variables related to preoperative hearing loss & rehabilitation and variables related to the device of CI. Different etiologies for hearing loss and some co morbid condition will also be covered in this panel.

Friday, 13th May 2022
11:00 -11:15

Advanced Bionics symposium

Influence of Bimodal Technologies on hearing performance in Cochlear Implant Users, Advanced Bionics

Friday, 13th May 2022
11:15 -11:30

Chiraz Mbarek Chaouch

Results of hearing screening in preschoolers in the region of Sousse

Introduction: Hearing loss prevalence data in children is scarce because of the absence of a national screening program for deafness. The aim of our work was to assess the prevalence of hearing impairment in some kindergartens in the region of Sousse and then to evaluate the impact of deafness on the quality of learning and the cognitive development of the child.

Methods: Cross-sectional study including preschoolers aged 3-5 was performed to determine the prevalence of hearing loss. All children had an otoscopic examination, tympanometry, otoacoustic emissions, audiometry, and an oral language assessment.

Results: A total of 118 children were screened. Of the 232 ears examined, %89.2 had a normal examination, 0.9% retrotympenic effusions and 9.9% cerumen. On tympanometry, a type A tympanogram was present in %44.5 of the ears, a type C in %25 and a type B in %14.4. The stapedial reflex was present in 74.6% and absent in %13.1 of cases. Audiometry was the primary screening method while otoacoustic emissions were limited to participants who did not cooperate during the tone audiometry (n=14). A total of 208 ears were tested, %46.6 had normal hearing and %53.4 had hearing loss. Conductive hearing loss was found in %98.2 of cases and sensorineural hearing loss in %1.8. Hearing loss was bilateral in %79 of cases. Language impairments were found in %35.5 of children with hearing loss.

Conclusion: These results show a need for implementation of a national prevention program improving children's potential for language development, communication and academic success.
Key-words: Children, hearing screening, Hearing loss.

Friday, 13th May 2022
11:30 -12:30

Paediatric Hearing Loss Challenges in Diagnosis & Management

Moderators:

- Dr. Somia Tawfik
- Wafaa Shehata Dieler

Panelists:

- Mariam Kendarly
- Reni Chandran
- Shaza Alsaleh

Pediatric hearing loss is a broad category that covers a wide range of pathologies. Early detection and prompt management are essential, as the development of language and psychosocial skills are significantly influenced by pediatric hearing loss. This panel describes the diagnosis and therapeutic strategies for managing pediatric hearing loss cases and stresses the role of the interprofessional team in the care of children with hearing loss. Challenging cases are selected for discussion in order to focus on the appropriate diagnostic and intervention

plans that is tailored according to each child condition

Objectives:

Outline the types of pediatric hearing loss.

Focus on the challenges in diagnosis of pediatric hearing loss

Identify management options for pediatric hearing loss

Friday, 13th May 2022
14:00 -14:30

Ali Gamal Zohni

Temporal bone imaging: Cochlear implant Team Perspective

Background: High-resolution computed tomography, Cone-Beam CT and high-resolution magnetic resonance imaging complement each other in assessing different aspects of the temporal bone and the auditory pathway.

Objectives: This is a clinically applied clinical update about recent development in temporal bone imaging relevant to otolaryngologist and audiologists.

Methodology, Review of applied basic techniques of temporal bone imaging utilized in the evaluation and follow up of patients investigated at Ain Shams University and Sheikh Zayed Hospital since 1994. Results: The utility of imaging modalities pertinent to cochlear implantations and hearing loss management is going to be discussed.

Recommendations and Conclusion: For cochlear implant teams, imaging has an important role. A constant communication between the cochlear implant team members improves image interpretation and ensures a successful outcome

Friday, 13th May 2022
14:30 -14:45

Abdulrahman Hagr

New methodology in the identification of inner ear anatomical types

Identification of the inner ear malformation types from radiographs is a complex process. We hypothesize that each inner ear anatomical type has a uniqueness in its appearance in radiographs. The outer contour of the inner ear was captured from the mid-modiolar section, perpendicular to the oblique-coronal plane, from which the A-value was determined from CT scans with different inner ear anatomical types. The mean A-value of normal anatomy (NA) and enlarged vestibular aqueduct syndrome (EVAS) anatomical types was greater than for Incomplete Partition (IP) type I, II, III and cochlear hypoplasia. The outer contour of the cochlear portion within the mid-modiolar section of NA and EVAS resembles the side view of Aladdin's lamp; IP type I resembles the side-view of the Sphinx pyramid and type II a Pomeranian dog's face. The steep spiraling cochlear turns of IP type III resemble an Auger screw tip. Drawing a line parallel to the posterior margin of internal auditory canal (IAC) in axial-view, bisecting the cavity into cochlear and vestibular portions, identifies common-cavity; whereas a cavity that falls under the straight-line leaving no cochlear portion identifies cochlear aplasia. An atlas of the outer contour of seventy-eight inner ears was created for the identification of the inner malformation types precisely.

Friday, 13th May 2022
14:45 - 15:05

Mohamed Mohamed El-Badry
Audiological profile in children with congenital inner ear anomalies and its relevance to cochlear implantation

Twenty percent of children with congenital sensorineural hearing loss have inner ear and /or auditory nerve anomalies. The aims of the current presentation are to demonstrate the audiological profiles in a series of children with congenital inner ear anomalies and to discuss clinical significance of presence of inner ear anomalies as regards cochlear implantation. The series included a total of 168 children with inner ear and/or auditory nerve anomalies having different degrees of congenital sensorineural hearing loss. The diagnosis of the specific type of the anomaly was established by CT and MRI temporal bone according to Sennaroglu classification. The most common anomaly in this series was large vestibular aqueduct (LVA) (101 cases) either isolated (81 cases) or associated with other anomalies (30 cases). Specific syndromes were diagnosed in 15 cases of LVA children. Pendred and Branchio-OtoRenal were the most common syndromes. Mondini malformation and incomplete partitioning type II (IPII) (25 cases) were the second most common anomaly in this series. Incomplete partitioning type III (IPIII) was present in 9 cases. Incomplete partitioning type I (IPI) was found in 3 cases. Different types of cochlear hypoplasia (types I, II, III, and IV) were present in 10 cases. Other congenital anomalies included common cavity (4 cases), auditory nerve hypoplasia, and/or auditory nerve aplasia (6 cases). Results of audiometric findings, speech assessment, language abilities, and response to hearing aids of each specific anomaly will be presented along with prognosis of each type of anomaly and the clinical implications as regards candidacy of the rehabilitative device (hearing aid, cochlear implant, or brainstem implant).

Friday, 13th May 2022
15:05 - 15:15

Ahmad Mustafa
Cochlear implant in Egypt

Egypt's Hearing and Speech Institute (HSI) cochlear implantation journey. HSI is a big a hub for otorhinolaryngology in Egypt. We examine an average of 800 cases per day, and we did an average of 30003500-cases per year including different types of operations (ear, nose, head and neck operations). HSI is a well-equipped institute with 6 operating rooms, fully equipped audiology and phoniatic department. We started the cochlear implantation program at the end of the 90s. We finished an average of 1000 cochlear implantation cases until now with different companies and different types of electrodes. In this presentation, we will discuss different cochlear implantation cases in terms of age, gender, type of electrode, causes of hearing loss, all types of congenital anomalies and minor or major complications.

Friday, 13th May 2022
15:15 - 15:30

Nithreen M Said Abdelsalam
Factors affecting ECAP recording in CI patients

Recording of the electrically evoked compound action potential (ECAP) of the auditory nerve in cochlear implant (CI) patients represents an option to assess changes in auditory nerve responses and the interaction between the electrode bundle and the neural tissue over time. ECAP can be used for intraoperative or postoperative assessment. Researchers and clinicians have investigated the feasibility of using the ECAP threshold to objectively predict psychophysical measurements used in the programming of the speech processor. The aim of this presentation is to overview the clinical and research experience in ECAP measurement and factors that affect its recording. A summary of our research work on ECAP will be presented

Friday, 13th May 2022
15:30 - 15:45

Osama Sobhy
Can Slope of ECAP Amplitude Growth Function Predict Speech Outcome in CI Users?

The cochlear implant (CI) is a sensory device that bypasses the destroyed or missing hair cells in the cochlea and electrically triggers the remaining cochlear neural elements in the cochlea. The electrically-evoked compound action potential (ECAP) is principally used to detect the cochlear nerve function for cochlear implant recipients via recording the synchronous responses of the 8th nerve fibers to electrical stimulation. In addition, applying ECAP involves the assessment of electrode-neuron interface quality, monitor recipient progress after operation, and offer some reference data concerning speech processor programming. The literature showed that the slope of the amplitude growth function (AGF) of the ECAP is a predictor of sufficient neuronal elements in the cochlea.

The aim of the current study was to determine the extent to which the slope of the AGF of the electrically evoked compound action potential is correlated with speech perception performance in prelingually deafened CI children.

Twenty pre-lingual CI users were selected. ECAP was recorded in all children. Children were tested with speech material that is appropriate for his/her age and linguistic ability. The speech materials included monosyllabic phonetically balanced kindergarten (PB-KG2) speech test, bisyllabic phonetically balanced kindergarten (PB-KG1) speech test or word intelligibility by picture identification (WIPI) test. The study results showed that there was no significant correlation between slope of ECAP and performance in speech test. On the other hand, a statistically significant correlation was found between the threshold of ECAP and the performance in speech tests only in apical and mid electrodes. It appears that speech outcome in CI users is a multi-faceted complex procedure that cannot be predicted by the slope of ECAP alone

Friday, 13th May 2022
15:45 – 16:00

Mustafa Yousef
Cochlear Implantation in children with Jervell and Lange-Nielsen syndrome

Jervell and Lange-Nielsen (JLN) syndrome is an autosomalrecessive condition presenting with bilateral severe to profound sensorineural hearing loss (SNHL), long QT syndrome (LQTS), and sudden death in severe cases. . Long QT syndrome causes the cardiac muscle to take longer time than usual to recharge between beats. Recently, many of the children with JLN receive cochlear implant as a management of their hearing loss problem with risk of intra or post operative death due to the heart disorder if not managed properly. This presentation discuss the experience of the author with number of cases of JLN syndrome underwent cochlear implant surgery describing the preoperative assessment, intra operative precautions and the special consideration in device switch On, programming and follow up. The author presenting evidence based protocol for management of such cases including investigation, recommendation for anesthesia, post operative care and cochlear implant external device mapping.

Friday, 13th May 2022
16:00 – 16:15

Elias Zir
How post-lingual musicians hear music

Abstract: Due to experimental case study that initiated with one Lebanese musician with total hearing loss, where we implanted him. Six month after the mapping, the speech was good (as per his feedback), so music was introduced and was repulsive for him (even though we repeat he was a musician). Many tests were done, and we discovered that the frequencies in cochlear implant weren't able to satisfy the quality and volume of the music. The study was developed through 2 other musician post-lingual with different implant brands from Austria and Canada, hence, the same result was observed and proven. We confirmed that the implant targeted the hearing and comprehension only (limited frequency bandwidth) and can never attain musicians (bigger frequency bands with a wider range of harmonics).

Dr. Michel EL-Zoghby Founder & Head of Music Industry Program - USEK Kapellmeister Opera Lebanon Choir Acoustics & Sound Consultant Technology, Music, Industry, Green Researcher and Inventor Artist & Tours Management Consultant Construction Project Manager Docteur l'Université Paris Sorbonne MBA - Project and Operations Management (PMP/RMP) Computer and Communications Engineer & Consultant

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Prof. Elias Zir Senior Expert in European commission of health (MENA)

Saturday, 14th May 2022
9:00 - 9:30

Dan Gold
Keynote speech: Bedside examination of ocular motility

Abstract: In addition to taking the history, a focused (and properly performed) bedside ocular motor and vestibular examination is one of most potent tools available to the clinician. This presentation will cover the essential elements of the bedside examination, including how to perform the maneuvers, and understanding what is normal and what is abnormal.

Saturday, 14th May 2022
9:30 - 9:45

Mahmoud Mohamed Ahmed Mahrous
The Effect of Side of Implantation on Cochlear Implant Performance

Background: the cerebral hemispheres do not subserve the same functions where left hemisphere is dominant for speech and language processing. These functional auditory asymmetry have clinical implication on the phenomenon of right ear advantage where speech stimuli are perceived more accurately in the right ear.

Objective: Is there a cochlear implant (CI) ear advantage for speech perception? Patients A total number of 68 cochlear implant recipients were evaluated retrospectively. They were 20 adults implanted in right ear, 20 matched adults implanted in left ear while 14 children implanted in right ear and 14 matched children implanted in left ear. In addition, a challenging case of corpus callosum agenesis candidate for CI will be presented.

Methods: Behavioral responses & age based speech perception tests were evaluated at 6 months and 1 year post implantation. Results: Adult showed no statistical difference in all tests at 6 months evaluation while 1 year evaluation showed significant better performance for right implanted group in monosyllabic discrimination test. Children showed statistical significant performance in monosyllabic identification and minimal pairs testes at 6 months evaluation; and in monosyllabic identification only at 1 year evaluation.

Conclusion: The present data support that right ear implantation would fasten the development of auditory skills especially in young children, an issue to be considered in unilateral implantation. Keywords: Auditory cortical asymmetry; Monaural cochlear implantation; Outcomes

Saturday, 14th May 2022
9:45 - 10:00

Mona Mohamed Sharaf Moharam
Translation and standardisation of Arabic questionnaires for evaluation of cochlear implant performance in toddlers and children

Background: Assessment of language perception and production in cochlear implant (CI) children at the early stages after the implantation is a challenging process especially in young children. It is not always possible to conduct a speech test battery to those children, therefore, the parent's questionnaires can be an alternative method

to evaluate the state of language development in younger children with cochlear implant. Previous questionnaires were designed to assess the child's spontaneous responses to sound in his/her everyday environment, but they did not focus on how much words the child knows.

Aim of the work: The main aim of this study was to translate and standardize the German questionnaires Elternfragebogen für Risiko kinder (ELFRA questionnaires for children at risk) in order to use it to assess the benefit of the cochlear implant in the early stages after implantation in Arabic speaking young children.

Patients and Methods: The ELFRA questionnaires were translated from German to Arabic, then re-translated from the Arabic back to German language by the help of an expert panel (experts in translation from Arabic to German languages and vice versa). ELFRA1- and ELFRA2- questionnaires were answered by a total number of 82 parents of normal hearing infants and children; their chronological age was 12 months and 24 months respectively. ELFRA1- and ELFRA2- questionnaires were conducted also on 72 cochlear implant children; their hearing age was 12 months and 24 months respectively.

Results: Translation of ELFRA1- did not necessitate changes in the structure of ELFRA1- questionnaire. However, some items were changed during the translation of ELFRA2- questionnaire. Comparisons of scores of ELFRA questionnaires between normal hearing group and cochlear implant group revealed statistically significant higher scores in children with CI 2 in expressive aspect of the language while normal hearing infants had higher scores in the receptive aspect.

Conclusions: Translated and standardised Arabic versions of ELFRA questionnaires are helpful tools in assessment of the benefit of cochlear implantation at earlier stages after the implantation. Further work is needed to examine the prognostic ability of the questionnaires to detect cochlear implant children at risk for delayed language development, Arabic language. Key words: Translation of questionnaires, Cochlear implant children.

Saturday, 14th May 2022
10:00 -10:15

Mohamed Garrada Cochlear Implant Complications in Children and Adults: Retrospective Analysis of 148 Cases

Objective: This study aimed to establish and discuss the intraoperative and postoperative complications affecting patients who underwent cochlear implant surgery from the Cochlear Implant Program of King Abdulaziz University Hospital (KAUH), Jeddah, Saudi Arabia.

Methods A retrospective study was conducted by reviewing the medical records of 148 patients who underwent cochlear implantation at KAUH between 1999 and 2019. Postoperative complications were classified into minor and major complications. Minor complications resolved with minimal or no treatment. Major complications required additional surgery or hospitalization.

Results Complications occurred in %18.9) 28) patients. Minor complications occurred in %11.5)17) patients,

which included otitis media (%2), facial palsy (%1.4), wound infection (%1.4), vertigo (%1.4), intraoperative gusher (%1.4), tinnitus (%1.4), facial stimulation (%1.4), hematoma (%0.7), and chorda tympani nerve injury (%0.7). Major complications occurred in %7.4)11) patients. These included flap dehiscence/infection (2%), device failure (%1.4), device migration (%1.4), mastoiditis (%1.4), electrode damage during insertion (%0.7), and misplaced electrodes (%0.7).

Conclusion This study reported a low rate of surgical complications associated with CI, and most have been managed successfully without further complications. Our results prove that CI continues to be a reliable and safe procedure, with a low percentage of complications when performed by experienced surgeons.

Saturday, 14th May 2022
10:15 -10:30

Cochlear Implantation: Evaluating the CI Audio Processor Satisfaction Levels Mohammad Baqeyeh

A comparison of cochlear implant users for several models of MEDEL sound processors, and impact of technological development of processors on the social lives of users. It was found a good relationship between latest technology and general life quality for users.

Saturday, 14th May 2022
10:30 - 10:45

Rana Alkhamra Children with cochlear implants in Jordan: Are they ready for school?

Rana A. Alkhamra¹ and Hatem A. Alkhamra²
1 Department of Hearing and Speech Sciences, University of Jordan
2 Department of Special Education, University of Jordan

Purpose: The study investigates the school readiness of Jordanian children with cochlear implants (CIs).

Methods: The language abilities of 33 children with CIs were compared to age- and gender-matched normally hearing (NH) children using the JISH School Readiness Screening Test (JISH-SRST).

Results: CTH outperformed CCI on all JISH-SRST subtests ($p \leq 0.05$). CCI scored below-average in all of the tested language skills but did better in some skills than others. The differences between groups and within were significantly larger in expressive language skills, particularly grammar-related skills, than in receptive language skills. Among the child variables, chronological age and implantation age had significant effects on JISH-SRST scores.

Conclusions: Clinical implications of the findings include implementing a newborn hearing screening system for early detection of hearing loss and early cochlear implantation; providing intensive speech therapy services that target complex language skills until school age and throughout the first years of school; and training classroom teachers to work effectively with CCI. This will improve their early communication experiences and school readiness outcomes.

Keywords: children, cochlear implants, Jordan, language skills, school readiness.

Saturday, 14th May 2022
10:45 - 11:00

Jinane Toufic Haddad

Cochlear implant in adults: the impact of rehabilitation pre and postoperatively on recipients' quality of life (QOL)

Cochlear implants have increasingly been adopted in older adults with severe to profound sensorineural hearing loss. Consequently, researchers have recently shown great interest in the cost-effectiveness of cochlear implantation and its effect on quality of life in older CI users. Outcome after cochlear implantation in adults varies and is affected by many factors. One very important factor is auditory verbal training after implantation but, unfortunately, aural rehabilitation is still not standardized for adults after cochlear implantation. Among adult patients with prelingual and postlingual deafness, interindividual variability in speech perception outcome after cochlear implantation is generally large. For that reason, a rehabilitation follow up must take place pre and post implantation in order to prepare patients to what should be expected according to their hearing profile in order to avoid complications due to disappointment or frustration. Therefore, a systematic review and critical evaluation of the available literature on rehabilitation and quality of life in older adult CI users is performed.

In my review of the literature, I identify strong evidence for the restoration of communication capacity with rehabilitation.

Therefore, I propose a broader framework inspired by my 18 years of experience with CI patients and will also share rehabilitation tips inspired by my patient's daily struggles (case studies and testimonials) and the role of CI rehabilitation in the management of:

- Preimplant expectations of postoperative performance.
- Personal motivation.
- social support
- Specific rehabilitation strategies.

To conclude, patients with good speech recognition and high QOL tended to pursue more active rehabilitation and had greater social support. Patient expectations and motivation played significant roles in postoperative QOL.

Saturday, 14th May 2022
11:30 - 11:45

Nadia Abdulhaq

Connected with Cochlear hearing solutions

Connectivity is a major part of our social and professional life. Cochlear implantable hearing solutions provide patients and professionals with the latest technology of evidence-based hearing performance in sync with current lifestyle and best performance requirements for better opportunities and quality of life.

Saturday, 14th May 2022
11:45 - 12:00

Mohammad Al-Masri

Incident of endolymphatic hydrops after corona virus: computerised dynamic posturography finding on 250 patients.

Saturday, 14th May 2022
12:00 - 12:15

Maha Zaitoun

Impact of COVID19- on audiology practice in Jordan and Arab countries: perspective of audiologists

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Abstract: Coronavirus disease 2019 (COVID19-) is a contagious disease caused by severe acute respiratory coronavirus first discovered in Wuhan, China in December 2019. The virus has since spread rapidly causing in a pandemic worldwide. As results, the health care system has dramatically been affected and the delivery of service has changed. In Jordan, and many Arabic countries, the negative impact of COVID19- on patients is prominent. Therefore, this study aimed to investigate a) audiologists' knowledge of COVID19- characteristics and measures of infection control followed during the pandemic, b) examined the impact of COVID19- on the practice of audiology and c) assessed audiologist's knowledge and practice regarding telehealth as an alternative.

To fulfil the aims of the study, the authors developed and circulated an online questionnaire consisting of four sections, targeting audiologists practicing in Jordan and Arab countries. the data collection occurred between March and April 2020, and 164 audiologists participated in the study. in Jordan and Arab countries. Majority of audiologists were able to identify the main symptoms of COVID-19 such as fever, cough, difficulty in breathing and fatigue, however, they showed limited knowledge regarding method of transmission of the virus. Moreover, the study revealed that many workplaces lack a proper infection control measure. Majority of audiologists stopped practicing due to the COVID19- pandemic. Regarding telehealth, only %61 of the participating audiologists were familiar with the concept and its related applications, most of them expressed a willing to learn more about it.

To conclude, audiologists in Jordan and Arab showed limited knowledge regarding some of the COVID19 characteristics, limited compliance with the infection control protocols, and limited knowledge or practice towards telehealth as alternative to deliver audiological services.

Key words: Arab countries; audiology practice; COVID19 ; infection control; knowledge; telehealth.

Saturday, 14th May 2022

12:15 - 12:30

Reni Chandran

Study on Hearing Loss in Covid19- Patients and The Audiological Profile Of symptomatic and asymptomatic COVID 19 patients in Qatar

There has been reports of hearing loss with COVID 19 infection. The SARS-CoV2- Virus has been isolated from the mastoid and Middle Ear proving that the novel SARS CoV2- virus involves the respiratory epithelium of the middle ear and mastoid cells. If such is the case, then the novel coronavirus would be sinister in damaging the inner ear resulting in SNHL as the virus mediates an immune response in the host. As an individual infected with SARS-CoV2- can be symptomatic or asymptomatic, it is not known if there is a variance in the involvement of the inner ear in these two situations. This is a mixed study of retrospective descriptive and exploratory study design conducted on 100 subjects tested COVID 19 positive using Reverse transcriptase PCR test. 50 were asymptomatic and 50 symptomatic COVID positive patients. The subjects underwent detailed hearing assessments to determine the status of their hearing after COVID infection and to describe the audiological profile of symptomatic and asymptomatic COVID positive patients and thereby to determine the extent of burden of hearing loss in COVID 19 infection. Interestingly the preliminary data analysis of the study in COVID 19 patients shows involvement of the inner ear in COVID 19 infection with a difference in the hearing profile of symptomatic and asymptomatic COVID patients.

Saturday, 14th May 2022

12:30 - 12:45

Wessam Mostafa Essawy

Effectiveness of Oral Corticosteroids (Prednisolone) in Sensorineural Hearing Loss post COVID-19

Background: Many viruses may cause neurological manifestations, such as anosmia, facial paralysis and sudden sensorineural hearing loss (SSNHL). During the previous SARS outbreak, coronaviruses were reported be associated with loss of sense of smell and taste due to neural injury.

Aims of the work: to detect clinically the effectiveness of corticosteroid treatment in SSNHL post covid19- infection and to detect the factors that affect the prognosis for these patients for better diagnosis and earlier management.

Subjects and method: Subjects included 20 subjects diagnosed by PCR as covid-19 virus positive complaining of sudden onset hearing loss post viral infection in

different durations. All subjects had basic audiological evaluation done pre-treatment and repeated after one week, 2 weeks and one month after treatment with Methylprednisolone -21acetate tablets.

Results: Onset of hearing loss post Covid infection ranged 1 – 3 months. As regards the improvement recognized with treatment course, thirteen patients (%65) of all twenty patients showed complete improvement at one month after starting treatment and seven patients (%35) showed no improvement even after one month.

Conclusion: SSNHL may be a common or even only manifestation of covid19 infection. Early corticosteroid therapy can help in recovery of hearing especially if the beginning of therapy was early in the first two weeks.

Keywords: Corticosteroid therapy (Methylprednisolone); COVID19 infection; Sudden Sensorineural Hearing Loss (SSNHL)

WORKSHOPS

Day 1

Thursday, 12th May, 2022

Workshop 1 16:30 - 18:00

Title	Central auditory processing disorders
Instructor	Prof. Somia Tawfik, Prof. Amani Shalaby, Prof. Wafaa Elkholy
Venue	Jasmine Meeting Room – 1st Floor

Workshop 2 16:30 - 18:00

Title	Clinical Approach to Tinnitus
Instructor	Dr. Yasser Nafie
Venue	Lotus Meeting Room – 3rd Floor

Workshop 3 16:30 - 18:00

Title	Cochlear company workshop – What's New in Sound Processes and Programming
Instructor	Dr. Nadia Abdulhaq
Venue	Orchid Meeting Room – 4th Floor

Workshop 1

Timing: Thursday, 12th May, 2022

16:30 – 18:00

Spotlight on Auditory Processing Disorders (APD) in non-classical Cases

Moderator: Prof. Somia Tawfik

Time: 60 minutes

Number of participants: 30

Instructor: Prof. Somia Tawfik, Prof. Amani Shalaby, Prof. Wafaa Elkholy

APD in children can occur either as a sole deficit or comorbid with other conditions such as Attention Deficit Disorder, specific language impairment or dyslexia. It can occur also secondary to hearing loss either conductive or sensory neural hearing loss. Diagnosis & management of APD in these conditions is challenging and requires specific approaches. The speakers will focus on the special testing protocols required for appropriate diagnosis and intervention.

Introduction: 5 minutes Somia Tawfik

First presentation:

- Auditory processing in attention deficit disorder (ADHD) (15 minutes)

Second presentation:

- Auditory processing in Hearing impaired children (15 minutes)

Third presentation:

- Auditory processing in cochlear implant children (15 minutes)

Discussion with the speakers (10 minutes)

Workshop 2
Timing: Thursday, 12th May,2022
16:30 – 18:00

Clinical Approach to Tinnitus

Number of participants: 20

Instructor: Dr. Yasser Nafie

Rationale: Tinnitus is a perception of sound in proximity to the head in the absence of an external source. Its prevalence is approximately one in 10 adults. There are misconceptions about medical clinical practice as regard tinnitus patients as “No treatment and you have to live with it”

Aims: To define tinnitus and differentiate between tinnitus types. Record Tinnitus Questionnaires and Tinnitus index scale. Perform Psycho-acoustic evaluation of tinnitus. Select investigations which should be done based on patient symptoms, history, and physical exam. Create a care map for the treatment of tinnitus patients. Perform directive counseling for tinnitus patients. Apply tinnitus retraining therapy on selected cases.

Who should attend this activity? Medical practitioners, GP, ENT doctors, Neurology doctors, Internal medicine, emergency doctors, nurses, audiologists and pharmacists.

Workshop 3
Timing: Thursday, 12th May,2022
16:30 – 18:00

What's new in Sound processors and Programming

Number of participants: 25

Instructor: Dr. Nadia Abdulhaq

New technology and new programming approach putting the patient in the center. It is all about the patients' best outcomes specifically tailored to the patient's needs. The workshop will focus on providing the technological advantages and counselling based on the patient needs, and programming with a goal set to support the patient reach their own personal needs. The workshop is interactive with hands on activities.



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COMPANIES WORKSHOPS

DAY 2 & 3

Friday & Saturday, 13 - 14 May 2022

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PHONAK LATEST TECHNOLOGY, PARADISE PLATFORM.

Mr. Hussain Salmi / Regional Product Manager For Phonak MENA

Friday, 13th May : 8:00 - 9:00 AM

Saturday, 14th May : 12:45 - 13:45 PM

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DIGITAL SOLUTIONS BEYOND AMPLIFICATION.

Ms. Ragdah Al-aryan / Senior product trainer for unitron MENA

Friday, 13th May : 8:00 - 9:00 AM

Saturday, 14th May : 12:45 - 13:45 PM

DAY 3

Saturday, 14 May 2022

 **ADVANCED BIONICS**
POWERFUL CONNECTIONS

ADVANCED BIONICS BIMODAL SOLUTION: TOWARDS THE ULTIMATE HEARING EXPERIENCE.

Advanced Bionics

Saturday, 14th May : 12:45 - 13:45 PM

WORKSHOPS

Day 2

Friday, 13th May, 2022

Workshop 4 8:00 - 9:00

Title	Fundamentals of Hearing Aid Fitting
Instructor	Prof. Vincent Gansel, Ms. Hannah Albrecht, Mr. Martin Richter
Venue	Jasmine Meeting Room – 1st Floor

Workshop 5 8:00 - 9:00

Title	Phonak latest technology, Paradise Platform.
Instructor	Phonak (Mr. Hussain Salmi)
Venue	Lotus Meeting Room – 3rd Floor

Workshop 6 8:00 - 9:00

Title	Digital solutions beyond amplification.
Instructor	Unitron (Ms. Ragdah Al-aryan)
Venue	Orchid Meeting Room – 4th Floor

Workshop 7 16:30 - 18:00

Title	Vestibular evoked myogenic potentials (VEMPs)
Instructor	Dr. Eleftherios Papathanasiou
Venue	Jasmine Meeting Room – 1st Floor

Workshop 8 16:30 - 18:00

Title	ASSR
Instructor	Prof. Wafaa Shehata Dieler
Venue	Lotus Meeting Room – 3rd Floor

Workshop 9 16:30 - 18:00

Title	Real Ear Measurement – the individual fitting
Instructor	Prof. Vincent Gansel, Mr. Arthur Holl, Mr. Martin Richter
Venue	Orchid Meeting Room – 4th Floor

Workshop 4
Timing: Friday, 13th May,2022
8:00 - 9:00

Fundamentals of Hearing Aid Fitting

Number of participants: 30

Instructors: Prof. Vincent Gansel, Ms. Hannah Albrecht, Mr. Martin Richter

In this workshop we would like to work interactive on the important foundation stones for a successful hearing aid fitting. The topics cover the entire fitting process and are intended to present the individual customer benefits and needs. The workshop "Fundamentals of Hearing Aid Fitting" should bring a benefit to people who are interested in hearing acoustics, up to hearing aid professionals. This workshop is based on the new online courses offered by the Academy of Hearing Acoustics.

Workshop 5
Timing: Friday, 13th May,2022
8:00 - 9:00

Phonak latest technology, Paradise Platform.

Number of participants: 30

Instructor: Mr. Hussain Salmi

Phonak workshop will presents paradise platform overview and product in-depth, as it will highlight unrivaled sound quality, personalized digital solution, and universal connectivity Which Paradise technology offers for clients with a mild to profound Hearing Loss

Workshop 6
Timing: Friday, 13th May,2022
8:00 - 9:00

Digital solutions beyond amplification.

Number of participants: 30

Instructor: Ms. Ragdah Al-aryan

We will present Blu family of hearing aids featuring our highly advanced signal processing system, Integra OS. with easy personalization using our digital solutions, made-for-all connectivity, and sleek new styles, designed to empower clients throughout their journey.

Workshop 7
Timing: Friday, 13th May, 2022
16:30 - 18:00

Vestibular evoked myogenic potentials (VEMPs)

Number of participants: 30

Instructor: Dr. Eleftherios Papathanasiou

Vestibular evoked myogenic potentials (VEMPs) is a relatively new method of recording function (and dysfunction) from the vestibular nervous system but is quickly gaining wide acceptance on a global scale. Air-conducted sound can be used to stimulate the otolith organs of the inner ear. Use of this short duration and reproducible stimulus allows one to record high amplitude responses from either the sternocleidomastoid muscle (cervical VEMPs or cVEMPs) or from the inferior oblique muscle (ocular VEMPs or oVEMPs). The former is related predominantly to saccular and inferior vestibular nerve function and its pathway, whilst the latter relates predominantly to utricle and superior vestibular nerve. Bone conducted vibration can also be used to stimulate the otolith organs, and this method has also been found to be highly reproducible. Clinical applications are not restricted to the confirmation of Superior Semicircular Canal Dehiscence Syndrome, but also has been found to be useful for other conditions such as differentiating Vestibular Migraine from Meniere's Disease, and also indicating the presence of conditions that specifically involve either the superior and/or inferior vestibular nerve in the presence of normal caloric responses. Neurological applications include ruling out vestibular neuropathy in the presence of a diffuse peripheral neuropathy, and in determining the nature of vestibular symptoms in other conditions such as multiple sclerosis.

Proposed Format: 30 minutes:

Basic Principles of VEMPs

60 minutes: Clinical Applications of VEMPs

45 minutes: Hands-On Demonstration, using a Local Evoked Potential System

Workshop 8
Timing: Friday, 13th May, 2022
16:30 - 18:00

ASSR

Number of participants: 30

Instructor: Prof. Wafaa Shehata Dieler

Objective measures play a crucial role in hearing evaluation in young infants, children and difficult to test subject. For many years click evoked ABR was the most reliable method used for threshold determination in difficult to test subjects. The main disadvantage of click evoked ABR was the poor signal to noise ratio at near threshold values, lack of frequency specificity and the absence of information related to frequencies under 1000 Hz. During the last few years several methods have been developed to avoid this disadvantage. Chirp evoked ASSR has proved to be an effective method for hearing screening as well as for hearing threshold determination in frequency domains. Theoretical basis will be presented and clinical measurements with this method will be performed.

Workshop 9
Timing: Friday, 13th May, 2022
16:30 - 18:00

Real Ear Measurement – the individual fitting

Number of participants: max. 20

Instructor: Prof. Vincent Gansel, Mr. Arthur Holl, Mr. Martin Richter

The workshop "Real-Ear Measurement – the individual fitting" is designed to introduce participants to the individual and objective measurement of hearing aids on the client. The individual fitting of the hearing aid is an important part of the hearing aid fitting and considers all individual circumstances of the client. The other topics within the workshop deal with fitting formulas, REUG measurement, subjective fine tuning and the verification of the fitting.

Course details:

- Number of Participants: max. 20
- Possible duration: 60 – 120 min.
- 23 - Lecturers (Academy of Hearing Acoustics)
- 3 Aurical Freefits (incl. Sound System and Laptops)
- 6 individual silicon ears All the technical equipment will be organized by the Academy of Hearing Acoustics

WORKSHOPS

Day 3

Saturday, 14th May, 2022

Workshop 10 12:45 - 13:45

Title	Phonak latest technology, Paradise Platform.
Instructor	Hussain Salmi
Venue	Lotus Meeting Room – 3rd Floor

Workshop 11 12:45 - 13:45

Title	Digital solutions beyond amplification.
Instructor	Unitron (Ragdah Al-aryan)
Venue	Orchid Meeting Room – 4th Floor

Workshop 10

Timing: Saturday, 14th May, 2022

12:45 - 13:45

Phonak latest technology, Paradise Platform.

Number of participants: 30

Instructor: Mr. Hussain Salmi

Phonak workshop will presents paradise platform overview and product in-depth, as it will highlight unrivaled sound quality, personalized digital solution, and universal connectivity Which Paradise technology offers for clients with a mild to profound Hearing Loss

Workshop 11

Timing: Saturday, 14th May, 2022

12:45 - 13:45

Digital solutions beyond amplification.

Number of participants: 30

Instructor: Ms. Ragdah Al-aryan

We will present Blu family of hearing aids featuring our highly advanced signal processing system, Integra OS. with easy personalization using our digital solutions, made-for-all connectivity, and sleek new styles, designed to empower clients throughout their journey.

Speech and Language Rehabilitation Workshop

Day 1		Thursday, May 12th, 2022	
8:00 - 9:00	Registration		
Session 1			
9:00 - 10:15	Variable which affect the outcome after cochlear implantation	Prof Samia Basiony	
10:15 - 10:45	The Effective of Auditory-Verbal Therapy (AVT) for Building Language Development of Children with Cochlear Implants: Jordanian Experience.	Dr. Lina Abukhader	
10:45 - 12:00	Opening Ceremony and Coffee Break		
Session 2			
12:00 - 12:30	Prevalence and Risk Factors of Communication Disorders in Arabic-speaking Population- A Retrospective Chart Review from Western Jordan	Laila Qanawati	
12:30 - 13:00	Validity and Validation in the Field of Aphasia Testing: Current State and Future Guidelines	Dr Fadi AlSwait	
13:00 - 14:00	Lunch Break		
Session 3			
14:00 - 15:30	Workshop: how to implement the auditory training program after cochlear implantation	Prof Samia Basiony	
15:30 - 16:15	Workshop: stimulation of speech and language after cochlear implantations	Prof Samia Basiony	
16:15 - 16:30	Coffee Break		
16:30 - 17:15	Workshop (continued): stimulation of speech and language after cochlear implantations	Prof Samia Basiony	

9:00- 10:15

Prof Samia Basiony

Variable which affects the outcome after cochlear implantation

Children demonstrate variable degrees of benefit after cochlear implantation because there are lots of variables which may affect their performance. Thus, it is mandatory that a multidisciplinary team of Otolaryngologists, Audiologists and Phoneticians follows the candidate selection criteria in order to choose meticulously the cases with the greatest expectation of success.

10:15 - 10:45

Dr. Lina Abukhader

The Effective of Auditory-Verbal Therapy (AVT) for Building Language Development of

Children with Cochlear Implants: Jordanian Experience.

This study analyzed the outcome of auditory-verbal therapy (AVT) program in children with cochlear implants (CIs) implant by the Middle East Hearing Association team. The presented outcome is based on research findings on 13 children implanted in between 2003-2010- and received AVT program. The systematic review was designed based on the Preferred Reporting Items for Systematic Reviews and Meta-Analyses (PRISMA) guidelines and Critical Appraisal of Treatment Evidence (CATE) checklist.

The results illustrate that children who participated in AVT achieved linguistic skills at the same level as their hearing peers. The voice quality and receptive vocabulary development apparently within the range of normal. All children achieved high education level of success and entered universities. In contrast, reading skills seemed less benefited.

It can be concluded from this study that AVT seems to promote integration into mainstream society. In spite of the recorded speech and language improvements of young children with CIs, this study evidently supports the effectiveness of AVT for CIs patients.

12:00 - 12:30

Laila Qanawati

Prevalence and Risk Factors of Communication Disorders in Arabic-speaking Population- A Retrospective Chart Review from Western Jordan

Laila Qanawati, Msc., CCC-SLP, Reeman Marzouqah, Msc., Reg. CASLPO, Dr. Fadi Y. Alswaiti, PhD-CSD

Background: Communication disorders affect an individual's social, emotional, cognitive and behavioural health. Data on the prevalence rates and risk factors of communication disorders among Arabic-speaking people in the middle east region is limited. The Arabic-speaking individuals in the middle east have unique culture and traditions that make them very different from the rest of the world. Data on the prevalence and factors of communications disorders can assist in developing prevention and early identification programs that are especially designed for the Arabic society. Previous studies have explored the prevalence of speech disorders in the middle east, but their analysis was limited to a single population (e.g., school-aged children or students at the University of Jordan). A larger sample is needed to explore the prevalence and possible factors across the age spectrum.

Methods: A Retrospective chart review was conducted by extracting data for patients who visited Al-Ahliyya Amman University Speech and Hearing center at the University of Amman Al-Ahlyya in Jordan from 2005 to 2020. Two data abstractors, blinded to the research question, created data extraction form, and generated coding system to extract information about patients' demographics, type of communication disorder, family history and consanguineous parents.

Preliminary Results: A total of 2464 patients visited the Al-Ahliyya Amman University Speech and Hearing center with a range of communication disorders diagnoses. The most common disorder was language disorder (%43), the second most common disorder was speech sound disorder (i.e., articulation and phonological disorders) (32%), followed by fluency and voice disorders (%9), and the least common disorder was swallowing disorder (%2). Regarding age and sex distributions, as expected, the percentage of children was significantly higher than adults (%75 and %25, respectively), and the ratio of males to females was (3:1). Patients with positive family history, hearing loss, and consanguineous parents were prevalent.

Discussion: The present study is the first step to future investigation to establish region-specific prevalence rates and risk factors of communication disorders in the middle east. Future implications of this line of research include leading awareness programs for the caregivers, patients and other healthcare professionals about risk factors, identification and rehabilitation of communication disorders in the middle east region.

Learning outcomes

- 1 List the percentages of communications disorders among Arabic-speaking patients who visited a university clinic in Jordan; from 2005 to 2020.
- 2 Discuss risk factors of communication disorders among Arabic-speaking patients who visited a university clinic in Jordan; from 2005 to 2020.
- 3 Identify potential methods for raising awareness about communications disorders in the Middle East region.

Session Description

A retrospective chart review was conducted to determine the percentages and risk factors of communication disorders among Arabic-speaking patients who visited Al-Ahliyya Amman University Speech and Hearing Center in Jordan; from 2005 to 2020. Two data abstractors, blinded to the research question, created a data extraction form and generated a coding system to extract information about patients' demographics, type of communication disorder, family history and consanguineous parents. We will list the percentages of communication disorders and identify risk factors for communication disorders relevant to Arabic-speaking cultures, such as consanguineous parents. Finally, we will provide recommendations for raising awareness about communications disorders in the middle east region.

12:30 – 13:00

Dr Fadi AlSwait

Validity and Validation in the Field of Aphasia Testing: Current State and Future Guidelines

Dr Fadi Alswati, Ph.D; Dr Basim Marri, Ph.D.

Speech pathology department, Al-Ahliyya Amman University. Amman.Jordan

Abstract

Comprehensive aphasia tests have been around for decades now. The evolving theoretical and practical understanding of validation This paper provides a historical account regarding the evolution of validity as a concept in the field of educational and psychological measurement. A review of state of current practices in the field of aphasia testing is provided using a critical analysis of the validation efforts of two major aphasia tools. Consequences will take a special consideration to identify its role in aphasia testing in comparison to education and psychological measurement literature. Suggestions for professionals in the field of communication disorders as well as practical guidelines will be offered to assist in building validation plans for current and prospective test designers.

14:00 - 15:30

Prof Samia Basiony

Workshop: how to implement the auditory training program after cochlear implantation?

The rehabilitation program of CI children involves two parts: auditory training program and speech & language rehabilitation program.

The value of auditory training in terms of integrating listening into all aspects of a child's life is very important. The main aim of habilitating young cochlear implanted children is using the new useful auditory signal in speech and language development, for effective communication and learning, through natural auditory perception and processing. This workshop is intended to provide professionals working with CI children with detailed A-Z steps of the conventional auditory training program with demonstrative videos. And the general strategies for developing spoken language as well as the Parents' role in implementing auditory training & general language stimulation at home.

15:00 - 17:15

Prof Samia Basiony

Workshop: Stimulation of speech & language after cochlear implantation



PARTNERING WITH PARENTS IN HEARING REHABILITATION MED-EL ADVANCED REHABILITATION WORKSHOP

13 May 2022, Arab Hearing Health Conference
Kempinski Hotel, Amman, Jordan

Venue: Sun Meeting Room

Presenter:

Natalie Teakle, BSpPath, Cert. LSLS AVT, Advanced Rehabilitation Manager

Agenda

09:30 - 09:45	Introduction
09:45 - 10:30	Partnering with Parents for Positive Outcomes
10:30 - 11:00	BREAK
11:00 - 11:30	Introducing A Child's Journey Parent Checklist
11:30 - 13:00	How to Support Babies with Hearing Loss MED-EL Lesson Kits & Lesson Kits for Babies in Practice
13:00 - 14:00	LUNCH
14:00 - 15:30	AVT Therapy Video Observation and Discussion

Day 3	Saturday, May 14th, 2022
Cochlear Workshop 9:00 – 11:00	
Title	Counselling with insight for best Rehabilitation outcomes
Instructor	Nadia Abdulhaq
Venue	Jasmine Meeting Room – 1st Floor

Cochlear Workshop
Timing: Saturday, May 14th, 2022
9:00 - 11:00

Counselling with insight for best Rehabilitation outcomes

Number of participants:

Instructor: Dr. Nadia Abdulhaq

Understanding how the patient is using the sound processor, when and in what sound environments provides an insight to relate to the hearing and speech outcomes the patient is achieving. Using this information in counselling patients and parents is an evidence-based approach in counselling. Keeping in mind the rehabilitation goals what can data logging tell us and how to guide the patient / parents for better outcomes. This workshop aims at understanding the data provided in the datalogging sheet and how to use it in counselling. Interactive case studies.

POSTERS

No.	Name of Presenter	Title
1	Karim Mohamed Hanafy	Assessment of outcome measures after audiological computer-based auditory training in cochlear implant children
2	Aya Magdu Elhusseiny	Balance Assessment in Hepatitis C virus patients undergoing (Sovaldi/Daklinza) Regimen
3	Lama Abed Alsamad	The relationship between the central auditory processing and the production of various sounds in patients with articulation
4	Mona A. Ibrahim	Evaluation of performance of hearing aid users using acoustic change complex(ACC) and behavioral measures.
5	Wessam Mostafa Essawy	Event related potentials in cases of Amblyaudia
6	Lelas Mansi	Invoking the influence of emotion in central auditory processing to improve the treatment of speech impairments.
7	Ahmed A. Ahmed	Teffect of balance training versus stretching relaxation exercise in memory & spatial cognition enhancement on healthy adults.
8	Arwa Ahmed	The effect of full and partial mapping on sound localization and consonant recognition abilities in cochlear implant users
9	Gadeer Awad	The correlation between COVID 19 disease and occurrence of tinnitus on university student
10	Londra Mayo	The occurrence of sudden sensorineural hearing loss post second attacks of Covid19- and vaccinations among University students at Al-Ahliyya Amman University
11	Rahaf Ibraheem	The effects of Coronavirus (Covid19-) and vaccinations on Otoacoustic emission findings in Al-Ahliyyaa Amman University students.
12	Asia Alshasi	The effectiveness of Jordanian neonatal hearing screening program in detection of mild sensorineural hearing loss before the age of 6 months

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