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**Saturday March 21**

**Registration**

**4:30 pm-6:30 pm**

**Sunday March 22**

**Breakfast**

**7:00 am**

**Morning Session**

***Retrospective Perspectives***

**7:30 am-9:30 am**

* Introduction and Welcome *John Dornhoffer, MD*
* A Look Back at the First 100 Years of Inner Ear Medicine and Surgery 1919–2019: A Documentary Movie from 1975 *I. Kaufman Arenberg, MD*
* Meniere’s Disease: Past, Present, and Future Treatments *Jennifer Derebery, MD*
* The Mechanism of Meniere’s Disease—A Hypothesis *W.P.R. Gibson, MD*

**Evening Session**

***Basic Science***

**4:30 pm-6:30 pm**

* Endolymphatic Sac Pathologies and Patient Subgroups in Meniere’s Disease *Andreas Eckhard, MD*
* Histopathologic Changes and Immune Complex Deposition in the Endolymphatic Sac in Meniere’s Disease and Normal Controls *Michael Gluth, MD*
* Clearing the Complexity *Stephen Spring*
* A Relook at the Evidence Supporting the Viral Theory of the Pathogenesis of Endolymphatic Hydrops in Meniere’s Disease: Ultrastructural, DNA-PCR, Serologic and Epidemic Population Studies *I. Kaufman Arenberg, MD*

**Dinner**

**7:30 pm**

**Monday March 23**

**Breakfast**

**7:00 am**

**Morning Session**

***Animal Studies***

**7:30 am-9:30 am**

* An *in vivo* Mouse Model for Endolymphatic Hydrops Using 9.4-T MRI—Many Different Mechanisms Can Induce Hydrops *Mikael Karlberg, MD*
* Protection of the Auditory Nerve Following Gelfoam-medicated Neurotrophic Treatment in Deafened Guinea Pigs *Hans Thomeer, MD, PhD*
* Prosper Meniere’s Many-headed Hydra *Stephen Spring*
* Solving Technical and Non-technical Issues in Intra-operative Monitoring of Hearing *Philip Bird, MD*

**Evening Session**

***Updates on Cochlear Implantation***

**4:30 pm-6:30 pm**

* Update on the Management of Intralabyrinthine Schwannomas Including Subtotal Cochleoectomy and Hearing Rehabilitation with Cochlear Implants *Stefan Plontke, MD*
* Cochlear Implantation: Changes in Neurocognition in Elderly Patients *Stefan Dazert,MD*
* CI Re-implantation: Indications, Surgical Challenges, and Outcome

*Stefan Volkenstein, MD*

* Cochlear Implantation: Intraoperative Monitoring of Damage by Simultaneous Fluoroscopy and Electrocochleography *Marie Bunne, MD*

**Welcome Reception**

**7:00 pm**

**Dinner**

**7:30 pm**

**Tuesday March 24**

**Breakfast**

**7:00 am**

**Morning Session**

***Diagnostic Tests***

**7:30 am-9:30 am**

* Frequency-specific Electrocochleography and Traveling Wave Time as a Clinical Test for Meniere’s Disease *Robert Conway, DO*
* Revisiting the Relationship Between Endolymphatic Hydrops and Meniere’s Disease *Michael Gluth, MD*
* Utility of Delayed Contrast MRI in the Diagnosis of Meniere’s Disease *Eunice Kwa, MD*
* Case Study: Use of Pembrolizumab in Treatment of Invasive Melanoma with Risk for Sensorineural Hearing Loss *Dennis Fitzgerald, MD*

**Evening Session**

***Treatment and Management of Meniere’s Disease: What’s New***

**4:30 pm-6:30 pm**

* Establishing Best Practices: Meniere’s Disease Clinical Practice Guidelines *Brian McKinnon, MD*
* Chronic Cerebrospinal Venous Insufficiency–Anatomical Variants and Meniere’s Disease: A New Way to Think About the Management of Meniere’s Disease Patients  *G.N. Frau, MD*
* Intratympanic Iatanoprost for Meniere’s Disease: A Prospective, Randomized, Double-Blind, Placebo-Controlled, Parallel Group Study *Mikael Karlberg, MD*
* The Role of Omohyoid Muscle Entrapment of the Internal Jugular Vein and its Surgical Transection in Meniere’s Disease and other Inner Ear Disorders *G.N. Frau, MD*

**Dinner**

**7:30 pm**

**Wednesday March 25**

**Breakfast**

**7:00 am**

**Morning Session**

***Surgical Cases and Management***

**7:30 am-9:30 am**

* Third Window Syndrome: Surgical Management of Cochlea-Facial Nerve Dehiscence *P. Ashley Wackym, MD*
* Case Study: Zygomatic Root Approach for Facial Nerve Decompression in a Delayed-onset Post-traumatic Facial Palsy *Yong Jui May, MD*
* Repair of Perilymphatic Gusher During Endoscopic Stapedotomy *Euan Murugasu, MD*
* Surgery on the “Onlys” *David White, MD*

**Evening Session**

***Meniere’s Disease and Migraine***

**4:30 pm-6:30 pm**

* Meniere’s Disease in German Textbooks in the 1920’s, ‘30’s, and ‘40’s *Konrad Schwager, MD*
* Diagnosis and Treatment of Vestibular Migraine: A Literature Update *Michael Teixido, MD*
* **Keynote:** The Intersection Between Third Window Syndrome, Meniere’s Disease, and Vestibular Migraine *P. Ashley Wackym, MD*

**Dinner and Awards Ceremony**

**7:30 pmThursday March 26**

**Breakfast**

**7:00 am**

**Morning Session**

***Management of Tinnitus***

**7:30 am-9:30 am**

* Magnetic Resonance Spectroscopy in Tinnitus: Neurochemistry of the Human Auditory Cortex in Patients with Chronic Tinnitus *Tobias Kleinjung, MD*
* The Evidence for Cannabis in the Medical Management of Neurotology Complaints  *Brian McKinnon, MD*
* Neuromodulation for Tinnitus Treatment: A 2020 Update on Invasive and Noninvasive Strategies *Tobias Kleinjung, MD*
* The p-P51S COCH Phenotype in its Real Perspective *Sebastien Janssens de Varebeke, MD*

**Evening Session**

***Surgical Implications of Cochlear Implantation***

**4:30 pm-6:30 pm**

* Prospects of Underwater Technique in Cochlear Implantation for Inner Ear Preservation *Daisuke Yamauchi, MD, PhD*
* Structure and Hearing Preservation in Cochlear Implant Surgery: A Meta Analysis *Hans Thomeer, MD, PhD*
* A Survey Examining Recent Trends in Cochlear Implant–Securing Techniques *Graham Strub, MD*
* Pre-Operative Radiologic Evaluation for Round Window Accessibility in Cochlear Implantation *Christina Ng, MD*

**Dinner**

**7:30 pmFriday March 27**

**Breakfast**

**7:00 am**

**Morning Session**

***Cochlear Implantation and Robotic Surgery***

**7:30 am-9:30 am**

* Examination with vHIT Test of Students from Varna Naval Academy *Mario Milkov, MD*
* Robotic Cochlear Implantation: Feasibility Study for a Retrofacial Approach *Ng Jia Hui, MD*
* Morphology of the Cochlea and its Relevance for an Individualized Cochlear Implantation *Joachim Müller, MD*
* The Employment Effect of Cochlear Implantation in Severely-to-Profound Deaf Adults *Christopher Raine, MD*

**Evening Session**

***Cochlear Implantation in the Pediatric Population***

**4:30 pm-6:30 pm**

* Review of Outcomes of Children with Designated Additional Needs Receiving Cochlear Implantation *Christopher Raine, MD*
* Cochlear Implantation in Children with Additional Disabilities *Tamer Mesallam, MD, PhD*
* Benefit and Satisfaction of Bilateral CI Users and Patients that Received CI for SSD: An Update after 25 Years of Bilateral Cochlear Implantation *Joachim Müller, MD*
* Closing Remarks *John Dornhoffer, MD*

**Dinner**

**7:30 pm**