SATURDAY OCTOBER 17, 2015

12.00-14.00 Registration

AUDITORIUM

14.30-15.00 MiniSymposium: Antisecretory Factor - a clinical innovation in Ménière’s disease? (with the unconditional contribution from POA Pharmaceuticals, Sweden)

   Moderator: J.G. Bruhn (Tomelilla, Sweden)

   14.30-14.35  Antisecretory factor and medical foods - novel therapy concepts
                  J.G Bruhn (Tomelilla, Sweden)

   14.35-14.45  Antisecretory factor-inducing therapy improves patient-reported functional levels in Ménière’s disease
                  S.C. Leong, T.H. Lesser (Liverpool, UK)

   14.45-14.55  SPC Flakes in prophylaxis of Ménière’s disease
                  R. Teggi, V. Marcelli (Milano, Italy)

15.15-16.45 MiniSymposium: BPPV – can we manage all with repositioning maneuvers? (under the auspices of Vestibular Academy International)

   Moderator: N. Ozgirgin (Ankara, Turkey)

   15.15-15.25  Introduction
                  N. Ozgirgin (Ankara, Turkey)

   15.25-15.40  Pathophysiology of BPPV. What happens to outlets in the SSC in long term if not repositioned
                  M. Kameswaran (Chennai, India)

   15.40-15.55  Is there any place of Medical treatment in BPPV. How much vitamin D levels affect?
                  E. Alpin Guneri (Izmir, Turkey)

   15.55-16.10  Posterior canal involvement. Why does it occur so often. How is it diagnosed and treated
                  M. Mandalá (Siena, Italy)

   16.10-16.25  Lateral SSC apogeotropic nystagmus. What is the difficulty in it? Why do new manoeuvres come out. What is the best treatment
                  D. Nuti (Siena, Italy)

   16.25-16.40  Are the canalith repositioning manoeuvres effectively treat BPPV once? What to do following the manoeuvre? Are there any
precautions to be instructed the patient? When should we consider surgery?
V. Darrouzet (Bordeaux, France)

17.00-18.30 Opening Ceremony

17.45-18.30 Opening Lecture: Meniere’s Disease (Etiology, Pathogenesis, Pathology and Symptoms)
M.M. Paparella (Minneapolis, USA)

19.00-21.30 Welcome Cocktail (Palazzo Brancaccio)
19.30-19.45 Vertigo: from Daedalus to Meniere
D. Lippi (Florence, Italy)
SUNDAY OCTOBER 18, 2015

AUDITORIUM

08.00-08.10 Introductory Message
**M. Barbara** (Rome, Italy)

08.10-08.25 **Keynote Lecture 1**
Moderator: M. Barbara (Rome, Italy)
The history of Ménière's Symposium
**D.J. Lim** (Los Angeles, USA)

08.30-09.30 **Human Pathological Findings**
Moderators: B. Hussl (Innsbruck, Austria), M.M. Paparella (Minneapolis, USA)

08.30-08.43 The Histopathology of Meniere's Disease: Observations from the Temporal Bone Collection at the Massachusetts Eye and Ear Infirmary
**M. McKenna, J.B. Nadol** (Boston, USA)

08.45-08.58 Ultrastructure and Immunohistochemistry of the Human Inner Ear Relevant for Menières Disease
**A. Schrott-Fischer, W. Liu, R. Glueckert, H. Rask-Andersen** (Innsbruck, Austria/Uppsala, Sweden)

09.00-09.13 Clinical significance of Bast's valve
**A. Belal** (Alexandria, Egypt)

09.15-09.28 Role of human ES in the pathogenesis of Ménière's disease: human temporal bone study
F.H. Linthicum, **D.J. Lim** (Los Angeles, USA)

09.30-09.50 **Keynote Lecture 2**
Moderators: R. Filipo (Rome, Italy), A. Belal (Alexandria, Egypt)

Cochlear proteomics of fluid and ion transport
**A.F. Ryan** (San Diego, USA)

10.00-10.13 Gentamicin Distribution in the Ear Following Local Applications
**A.N. Salt, F.B. Kraus, E.B. King, S.K. Plontke** (St. Louis,USA/Halle, Germany)

10.15-10.28 Drug delivery via the oval window
11.00-11.20  Keynote Lecture 3

Moderators: S. O'Leary (Melbourne, Australia), A. Schrott-Fischer (Innsbruck, Austria)

Human Endolymphatic Duct System, Transepithelial Water Channels and Cochlear Ultrastructure

H. Rask-Andersen, W. Liu (Uppsala, Sweden)

11.30-11.38  The fine structure of the blood- perilymph barrier under normal, experimental and pathological conditions. An overview

K. Jahnke, D. Anweiler-Harbeck (Essen, Germany)

11.40-11.48  The blood perilymph barrier is vulnerable to systemic inflammation but is minimally affected by cochlear macrophages

K. Hirose, S-Z Lee, J. Hartsock, A.N. Salt (St Louis, USA)

AUDITORIUM

12.00-13.15  The function of the endolymphatic sac

Moderator: D.J. Lim (Los Angeles, USA)

12.05-12.15  A new murine model for Ménière’s disease - vasopressin induced endolymphatic hydrops

M. Takumida, Y Katagiri, M. Anniko (Hirosima, Japan; Uppsala, Sweden)

12.20-12.30  Ultrastructure and gene expression in the human endolymphatic sac – novel evidence of multiple functions

MN Møller, S Kirkeby, K Qvortrup, J Vikeså, FC Nielsen, P. Caye-Thomasen (Copenaghen, Denmark)

12.35-12.45  Ion transport in the endolymphatic sac epithelial cells on the basis of experimental animal researches

N. Mori, T. Miyashita (Osaka, Japan)
12.50-13.00  Potassium secretion via apical multiple potassium channels in human endolymphatic sac epithelium
**S.H. Kim, B.G. Kim, J.Y. Kim, J.S. Jung, J.Y. Choi** (Seoul, Korea)

13.05-13.15  Meniere’s Disease histopathological analysis: novel ultrastructural, molecular and MRI findings
**G. Ishiyama, I. Lopez, A. Ishiyama** (Los Angeles, USA)

**SAN FRANCESCO HALL**

11.50-13.25  **Regeneration, Proteomics and Genetics**

**Moderators:**  F. Mammano (Rome, Italy), JA Lopez-Escamez (Granada, Spain)

11.50-12.03  Histological and functional analysis of xenograft stem cells of the inner ear of mice in the guinea pig cochlea-induced hearing loss
**R. Bento** (San Paolo, Brazil)

12.05-12.18  Characterization and gene expression profile of an induced pluripotent stem cell model for familial Meniere’s disease
**S. Cabrera, A-R Ji, V. Ramos-Mejia, T. Romero, L. Frejo, P. Real, J. A. Lopez-Escamez** (Granada, Spain)

12.20-12.33  Confocal imaging of stimulus-independent action potential activity in the developing cochlea.
F. Ceriani, S. Johnson, W. Marcotti, **F. Mammano** (Rome, Italy-UK)

12.35-12.43  HES-1 and coup-TFI SHRNA knocking down give rises to new hair cells and supporting cells in organ of Corti organotypic culture
**J. Oiticica, AC Batissoco, K. Lezirovitz, MM Bissoli, D. Zanatta, B. Strauss, RC Mingroni-Neto, L. Haddad, RF Bento** (San Paolo, Brazil)

12.45-12.53  Heterozygous mutations in DTNA and FAM136A genes in familial Meniere’s disease
**J.A. Lopez Escamez** (Granada, Spain)

12.55-13.03  A proteomics based approach in Ménière Disease
E. Cassandro, C. Petrolo, **G. Cuda, A. Scarpa, G. Sequino, G. Chiarella** (Catanzaro/Salerno, Italy)

13.05-13.13  Role of oxidative stress in the cochlear damage in acquired sensorineural hearing loss: animal model lesson
**A.R. Fetoni, F. Paciello, R. Rolesi, S. Eramo, D. Troiani, G. Paludetti** (Rome, Italy)

13.15-13.23  Altered chromogranin-A circulating levels in Ménière’s disease
**R. Teggi, B. Colombo, M. Trimarchi, M. Bianco, A. Manfredi, M. Bussi, A. Corti** (Milano, Italy)
AUDITORIUM

13.30-14.20  SYMPOSIUM ON ELECTRICAL VESTIBULAR STIMULATION
(with the unconditional contribution from Medel, Innsbruck, Austria)

Moderator:  H. Rask-Andersen (Uppsala, Sweden)

R. Gluckert, L. Johnson Chacko, M. Gloesmann, S. Handschuh, A. Schrott-Fischer (Innsbruck, Vienna, Austria)

13.40-13.50  Vestibular implant for sensory restoration – Candidacy and Epidemiology
B.K. Ward, D.Q. Sun, Y.R. Semenov, C.C. Della Santina (Baltimore, USA)

13.50-14.00  The vestibular implant: towards a clinically useful device
R. van de Berg, N. Guinand, JP. Guyot, R. Stokroos, H. Kingma, A. Perez-Fornos (Maastricht, The Netherlands; Geneve, Switzerland; Tomsk, Russia)

14.00-14.10  12 years of development in the human
J.P. Guyot (Geneve, Switzerland)

14.10-14.20  Discussion

PRESS ROOM

13.30-14.20  Business Meeting (by invitation only)

AUDITORIUM

14.30-14.50  Keynote Lecture 4

Moderator:  A. Ryan (San Diego, USA)

Regenerative medicine for the inner ear
J. Ito (Kyoto, Japan)

15.00-16.30  Audiological Diagnostics

Moderators:  R. Urquiza (Malaga, Spain), E. Cassandro (Salerno, Italy)

15.00-15.13  On the use of depletion tests
E. Covelli, S. Monini, M. Barbara (Rome, Italy)

15.15-15.28  Sensitivity of electrocochleography vs. otoacoustic emissions to disrupted cochlear homeostasis in Menière patients
P. Avan, Y. Pavier, T. Mom, F. Giraudet (Clermont Ferrand, France)
15.30-15.43 Use of multifrequency admittancemetry associated to glycerol test to assess hydrops – Normative values in healthy subjects

V. Franco-Vidal, D. Bonnard, J. Nodimar, V. Darrouzet (Bordeaux, France)

15.45-15.58 Sensitivity and Specificity of ECochG, VNG, VEMP, and Rotary Chair in the Diagnosis of Meniere’s disease

J. Ferraro (Overland Park, USA)

16.00-16.13 Electrocochleography and vestibular evoked myogenic potential in Meniere’s disease

S. Dabiri Satri, N. Yazdani, P. Abolhasani, B. Amirzagar, N. Rezazadeh (Tehran, Iran)

16.15-16.28 Retrospective evaluation of hydrops diagnostic on Menière’s Disease

T. Lenarz (Hannover, Germany)

SAN FRANCESCO HALL

15.00-16.30 Vestibular Diagnostics

Moderators: A. Bozorg-Grayely (Caen, France), D. Nuti (Siena, Italy)

15.00-15.13 Ocular and cervical vestibular-evoked myogenic potentials to air conducted sound and bone conducted vibration in Ménière’s disease

L. Manzari, A.M. Burgess, H. MacDougall, I.S. Curthoys (Cassino, Italy/Sydney, Australia)

15.15-15.28 Vestibular evoked myogenic potentials in Ménièr’s disease

O. Çelik, B. Şerbetçiöğlu, G. Eskinizmir (Istanbul, Turkey)

15.30-15.43 Ocular (o-VEMP) and Cervical (c-VEMP) VEMPs in Patients with “Clinically Certain” Méniere’s Disease

S. Mcllhinney, G. O’Beirne, J. Gourley, J. Hornibrook (Christchurch, New Zealand)

15.45-15.58 Normal video head impulse test with abnormal caloric irrigation test in definite Ménière’s disease: a potential new criteria for diagnosis?

F. Rubin, R. Kania, B. Verrillaud, C. Hautefort, P. Herman (Paris, France)

16.00-16.13 Instrumental Assessment in Menière’s Disease: Which Role for video Head Impulse Test?

A.P. Casani, N. Cerchiai, E. Navari (Pisa, Italy)

16.15-16.28 Ocular VEMP findings in patients with Ménière’s disease

F. Kocyigit, B. Mutlu, Y. Olgun, S. Mungan Durankaya, E. Alpin
Guneri, G. Kirkim  (Izmir, Turkey)

16.30-17.00

AUDITORIUM

17.00-18.30  Imaging

Moderators: A. Pirodda (Bologna, Italy), B. Fraysse (Toulouse, France)

17.00-17.13  A reappraisal of Menière’s disease supported by variable latency of symptoms and MRI visualization of the endolymphatic hydrops
I. Pyykkö, J. Zou, T. Nakashima, T. Yoshida, S. Naganawa

(Tampere, Finland/Nagoya, Japan)

17.15-17.23  Endolymphatic hydrops in patients with unilateral and bilateral Meniere's Disease

17.25-17.33  MRI evaluation of endolymphatic hydrops and clinical applications for surgical management

17.35-17.43  MR Imaging of Inner Ear Endo-perilymphatic Spaces at 3 Tesla after Intratympanic Contrast Agent Administration in Definite Meniere’s Disease
S. Salice, A. Tartaro, G. Filograna Pignatelli, A. Pacella, F. Cazzato, G. Neri (Chieti, Italy)

17.45-17.53  MRI Inner Ear Imaging and Tone Burst Electrocochleography in the Diagnosis of Meniere’s Disease
J. Hornibrook, E. Flook, S. Greig, M. Babbage, T. Goh, M. Coates, R. Care, P. Bird (Christchurch, New Zealand)

17.55-18.03  Imaging of endolymphatic space in patients with Meniere’s disease and non-otological diseases
T. Yoshida, M. Sone, K. Morimoto, S. Naganawa, T. Nakashima (Nagoya, Japan)

18.05-18.13  Hydrops MRI-Impact on Meniere’s disease.
K. Orimoto, S. O’Leary (Sydney, Australia)

18.15-18.23  Endolymphatic space size in patients with vestibular migraine and Meniere’s disease
18.30-19.30  Symposium "Intratympanic dexamethasone as a treatment for Ménière's disease" (with the unconditional contribution from Otonomy inc., USA)

Moderator:  J. Phillips (Norwich, UK)

18.30-18.43  Intratympanic dexamethasone as a treatment for Ménière's disease  
J. Phillips (Norwich, UK)

18.45-18.58  Perilymph pharmacokinetics of glucocorticosteroids after intratympanic, intracochlear, and intralabyrinthine delivery  
S. Plontke, A. Salt (Halle, Germany; St. Louis, USA)

19.00-19.13  Results from a Phase 2b Clinical Trial to Assess the Safety and Efficacy of Extended-Release Dexamethasone Thermosensitive Gel for Intratympanic Administration in Subjects with Ménière’s Disease  
P. Lambert, C. LeBel (Charleston-San Diego, USA)

19.15-19.28  Discussion

SAN FRANCISCO HALL

17.00-18.30  Diagnostics

Moderators:  L. Saim (Kuala Lumpur, Malaysia), D. Djeric (Beograd, Serbia)

17.00-17.08  Effects of body tilt on multifrequency admittance tympanometry.  
V. Franco-Vidal, D. Bonnard, J. Nodimar, V. Darrouzet (Bordeaux, France)

17.10-17.18  Predictive value of ECochG in offspring/siblings of individuals with Ménière's disease  
J.A. Ferraro (Kansas City, USA)

17.20-17.28  Glycerol test: a critical look at its physiological effect  
K. Pawlak-Osińska, H. Kaźmierczak, A. Chrząstek (Bydgoszcz, Poland)

17.30-17.38  Clinical application of the threshold equalizing noise test in patients with Ménière's disease: a preliminary study  
J.E. Choi, S.H. Hong, Y-S Cho, I.J. Moon, W-H Chung (Seoul, Korea)

17.40-17.48  ECochG, VEMPs and HIT: role and effects on pressure treatment for Ménière's disease
L. Volpini, E. Covelli, S. Tarentini, V. Marrone, A.T. Benincasa, S. Monini, M. Barbara (Rome, Italy)

17.50-17.58 The interactive GPS System for diagnosis of vertigo
A. Belal (Alexandria, Egypt)

18.00-18.08 Prevalence and features of inferior vestibular neuritis
R. Glatre, R. Kania, B. Verillaud, C. Domange, P. Herman, C. Hautefort (Paris, France)

18.10-18.18 The short form of the dizziness handicap inventory: is it comparable with the original one?
F.N. Ardiç, F. Tümkaya (Denizli, Turkey)

18.30-19.30 Endolymphatic Hydrops

Moderators: K. Jahnke (Essen, Germany), G. Paludetti, (Rome, Italy)

18.30-18.38 Hormonal regulation of potassium in the inner ear, a new explanation of Ménière's crisis

18.40-18.48 Imaging Fluid Dynamics in the Hydropic Ear with Light Sheet Fluorescence Microscopy
D.J. Brown, L. Van Roon, C.L. Southwell, C.S. Pastras, I.S. Curthoys (Sidney, Australia; Utrecht, Netherlands)

18.50-18.58 Meniere disease and endolymphatic hydrops
C.A. Oliveira (Brasilia, Brazil)

19.00-19.08 Are there NO news about the cochlear hydrops?
O. Michel, A. Hess, J. Su, D. Labbé, W. Blocj (Brussels, Belgium)

19.10-19.18 Anterior membranous labyrinth hydrops
S. Ferrara, F. Martines, P. Ferrara (Palermo, Italy)

19.20-19.28 Oxidative Stress, Redox Homeostasis and Cellular Stress
A. Serra, S. Cocuzza, P. di Mauro, L. Maiolino (Catania, Italy)
**MONDAY OCTOBER 19, 2015**

**AUDITORIUM**

08.00-08.20  **Keynote Lecture 5**

Moderators: J. Ito (Kyoto, Japan), F. Ottaviani (Rome, Italy)

Immune-mediated Meniere’s disease

**J. Veldman** (Utrecht, Netherlands)

08.30-09.30  **Immune system and Ménière’s disease**

08.30-08.43  Local treatment of immune-mediated hearing loss by anti-TNF alpha drugs

**P. Lefebvre**, S. Barriot, F. Van Wijck (Liege, Belgium)

08.45-08.53  A locus in chromosome 6p21.33 associated with bilateral sensorineural hearing loss may define immuno-mediated variant in Meniere’s disease

**JA Lopez Escamez**, S. Cabrera, T. Requena, C. Martín-Sierra, L. Frejo, A. Batuecas, J.M. Espinosa-Sanchez (Granada, Spain)

08.55-09.03  Neutrophil-to-lymphocyte ratio and platelet to lymphocyte ratio in patients with acute Meniere’s Disease

**V. Squeo**, D’Ambrosio P.T., **N. Quaranta** (Bari, Italy)

09.05-09.13  Autoimmunity as a Candidate for the Etiopathogenesis of Meniere’s Disease: Detection of Autoimmune Reactions and Diagnostic Biomarker Candidate


09.15-09.23  Experience of immunological aspects of Ménière’s disease

A. Nacci, **J. Matteucci**, B. Fattori, S.O. Romeo, S. Berrettini (Pisa, Italy)

**SAN FRANCESCO HALL**

08.30-09.30  **Barany Symposium: From mouse models to classification of Mb Ménière**

Moderator:  **G. Laurell** (Uppsala, Sweden)

08.30-08.40  The regenerating inner ear

**H. Rask-Andersen** (Uppsala, Sweden)

08.45-08.55  Experimental induced hydrops - in vivo studies in mice

**M. Magnusson** (Lund, Sweden)
09.00-09.10  IT therapy for MD
S. Plontke (Halle, Germany)
09.15-09.25  Classification of Mb Meniere, a progress report
J.A. Lopez-Escamez (Granada, Spain)

AUDITORIUM

09.30-09.50  Keynote Lecture 6
Moderators: PP Lefebvre (Liege, Belgium), R. Albera (Turin, Italy)
Cerebral venous insufficiency in Ménière's disease
R. Filipo (Rome, Italy)

10.00-10.08  Chronic cerebro-spinal venous insufficiency in Meniere Disease:
Diagnosis and Endovascular Treatment after 24-month follow up
L. Califano, A. Bruno, G. Attanasio, F. Ciciariello, M. Viccaro, E. Covelli, E. Masci, L. Cagnoni, D. Mastrangelo, F. Salafia, V. Giugliano, B. Bernardo (Benevento, Rome, Italy)
10.10-10.18  Idiopathic sudden sensorineural hearing loss and Ménière's syndrome: the role of cerebral venous drainage
N. Quaranta, V. De Ceglie, M. Damiani, M.M. Ciccone (Bari, Italy)
10.20-10.28  Endovascular Treatment of Vertigo Caused by Jugular Bulb Abnormalities
M. Hitier, L.M. Roussel, M. Humbert, S. Moreau, P. Courtheoux, V. Patron (Caen, France)

SAN FRANCESCO HALL

10.00-10.30  VESTIBULAR MIGRAINE
Moderators: B. Ceranic (London, UK), M. Anniko (Uppsala, Sweden)

10.00-10.08  Vertiginous migraine and Ménière's disease
CA Oliveira, RL Bezerra, C. Messias, F. Bahmad jr. (Brasilia, Brazil)
10.10-10.18  Vestibular Migraine in an Otolaryngology Clinic: Prevalence, Associated Symptoms, and Prophylactic Medication Effectiveness
A. Van Ombergen, V. van Rompey, P. Van de Heyning, F.I. Wuyts (Antwerp, Belgium)
10.20-10.28  Vestibular assessment in Meniere's disease and Migraine
10.30-11.00

**AUDITORIUM**

11.00-12.15 Japanase Society of Equilibrium Research (JSER) Symposium

Moderator: M. Suzuki (Tokyo, Japan)

- 11.00-11.15 Introduction
  
  M. Suzuki (Tokyo, Japan)

- 11.15-11.30 Epidemiological characteristics of Meniere’s disease in Japan
  
  H. Shojaku, Y. Watanabe, H. Takakura, M. Tsubota (Toyama, Tokyo, Tokushima, Japan)

- 11.30-11.45 Diagnosis 1: Diagnostic standard for Meniere’s disease based on the clinical guideline of the disease in Japan
  
  Y. Watanabe (Toyama, Japan)

- 11.45-12.00 Diagnosis 2: Diagnosis of endolymphatic hydrops using 3T MRI in patients with Meniere’s disease
  
  S. Usami, H. Yoshimura, H. Fukuoka, K. Tsukada (Matsumoto, Japan)

- 12.00-12.15 Overview of the treatment of Meniere’s disease in Japan
  
  I. Koizuka (Kawasaki, Japan)

12.30-13.20 VESTIBULAR REHABILITATION

Moderators: L. Duckert (Seattle, USA), D. Cuda (Piacenza, Italy)

- 12.30-12.43 Principles of long-term vestibular rehabilitation
  
  M. Lacour (Marseille, France)

- 12.45-12.53 Role of perineuronal nets in vestibular compensation
  
  F. Dagna, A. Albera, D. Carulli, A. Faralli, F. Rossi, P. Giordano, R. Albera (Turin, Italy)

- 12.55-13.03 Development of vestibular rehabilitation platform using immersive virtual reality system
  
  S.K. Hong, CG Song, HJ Jeon (Seoul, Korea)

- 13.05-13.13 Reduction of time constant by a novel vestibular habituation: Possibility as a potent countermeasure for treatment of patients with motion sickness
  
  S.K. Hong, H.J. Lee, H.J. Kim (Chuncheon, Korea)
SAN FRANCESCO HALL

11.00-12.30 SUDDEN HEARING LOSS & PERILYMPHATIC FISTULA & OTOTOXICITY

Moderators: M. Fabiani (Rome, Italy), N. Perez (Pamplona, Spain)

11.00-11.08 Otoacoustic emissions in sudden sensorineural hearing loss
A. Shupak, R. Zeidan, R. Shemesh (Haifa, Israel)

11.10-11.18 MRI findings and compliance to perform MRI in patients with SSNHL
R. Khniefes, N. Yehudai, S. Masud, M. Luntz (Haifa, Israel)

11.20-11.28 Effect of the hearing level of nonaffected ear and severity of acute hearing loss in patient with unilateral sudden deafness from the perspective of tinnitus
L. Cvorovic (Beograd, Serbia)

11.30-11.38 Long term transtympanic steroid treatment results in patients with acute cochlear hearing loss
M. Durmusoglu, Y. Olgun, E. Dogan, M.A. Kozen, E.A. Guneri (Izmir, Turkey)

11.40-11.48 The Spontaneous Perilymph Fistula Conundrum - Do we finally have an answer?
A.K. Gadre, I. Edwards, C. Rutledge-Roof (Louisville, USA)

11.50-11.58 Chronic disequilibrium as main symptom of bilateral perilymph fistula
- case presentation
N. Arsovic, D. Pavlovic (Beograd, Serbia)

12.00-12.08 Intratympanic dexamethasome: potential in the prevention of cisplatin ototoxicity
A. Shupak, T. Marshak, L. Levi, M. Steiner (Haifa, Israel)

12.10-12.18 Analysis of genetic and non genetic risk factors for cisplatinum ototoxicity in pediatric patients

12.30-13.20 DEHISCENCE SYNDROME

Moderators: M. McKenna (Boston, USA), M. Fusetti (L'Aquila, Italy)

12.30-12.43 Otic Capsule Dehiscence Syndrome: Longitudinal Cognitive and Neurobehavioral Functional Outcomes Before and After Repair
P.A. Wackym, C.D. Balaban, H.T. Mackay (Pittsburg, USA)

12.45-12.53 Trans-mastoid repair of superior semicircular canal dehiscence
T. Somers, Y.C. Zhao, J. Husseman, J. van Dinther, R. Vanspauwen, R. Briggs (Antwerp, Belgium / Melbourne, Australia)

12.55-13.03 Semicircular canal malformations: clinical and instrumental findings
C. Brandolini, A. Castellucci, A. Piras, A. Pirodda (Bologna, Italy)
13.05-13.13 Ocular vestibular evoked myogenic potentials to high frequencies show semicircular canal dehiscence
L. Manzari, AM Burgess, H. MacDougall, IS Curthoys (Cassino, Italy/Sydney, Australia)

13.15-13.23 Hearing outcome after transmastoid semicircular canal plugging
V. Van Rompaey, G. Van Haesendonck, P. Van de Heyning (Antwerp, Belgium)

AUDITORIUM

13.30-14.20 "Controversial aspects of the clinical studies on the use of betahistine in Ménierè's disease".
(with the unconditional contribution from BGP Products srl, Italy)

Moderator: M. Barbara (Rome, Italy)

13.30-13.40 Epidemiology, statistics and research design
R. Schoenhuber (Bozen, Italy)

13.40-13.50 MD patients in the acute stage
A. Casani (Pisa, Italy)

13.50-14.00 MD patients in the intercritic stage
N. Ozgirgin (Ankara, Turkey)

14.00-14.10 MD patients under rehabilitation
M. Lacour (Marseille, France)

14.10-14.25 Discussion

14.30-15.20 IT GENTAMYCIN TREATMENT

Moderators: A. Shupak (Haifa, Israel), L. Manzari (Cassino, Italy)

14.30-14.38 Intratympanic gentamicin for definitive treatment of Meniere's disease: a series of 105 patients
G. Russo, R. Grassia, F. Mosca, C. A. Leone (Neaples, Italy)

14.40-14.48 Hearing loss following intratympanic gentamicin
D. Kaplan (Omer, Israel)

14.50-14.58 Intratympanic gentamycin treatment. How to control therapeutic effects? How to respect otolith and cochlear function?
P. Lorin, M. Donnard (Le Mans, France)

15.00-15.08 Long term vestibular function evolution after gentamycin intra tympanic injection
MJ Esteve Fraysse, S. Nicolas, A. Weckel, B. Lepage, M Marx, B Fraysse (Toulouse, France)

15.10-15.18 Monitoring of chemical labyrinthectomy by gentamicin
injection assessed by video head impulse test and VEMPs in patients suffering from Meniere disease resistant to medical therapies.

C. de Waele, E. Chiarovano, G. Lamas, C. Magnani, H. MacDougall, I. Curthoys (Paris, France/Sydney, Australia)

SAN FRANCESCO HALL

14.30-15.20 BPPV

Moderators: D. Bernardeschi (Paris, France), N. Quaranta (Bari, Italy)

14.30-14.38 Spontaneous inversion of nystagmus without a positional change in the horizontal canal variant of benign paroxysmal positional vertigo


14.40-14.48 The effects of hearing dysfunction in BPPV patients


14.50-14.58 Impact of cupulolithiasis on patients’ well being

A. Abid, R. Yousef, T. Tomanovic (Stockholm, Sweden)

15.00-15.08 New theory of BPPV pathology “cristolithiasis” - Otoconia attached to the crista ampullaris-


15.10-15.18 Benign Paroxysmal Positional Vertigo Prevalence in Meniere’s Disease: Is Meniere’s Disease a Predisposing Factor?

S. Nemati, A. S. Alia, M. Motasaddi-Zarandi, R. Panahi, M. Akbari (Rasht, Tehran, Iran)

AUDITORIUM

15.30-16.30 IT STEROID TREATMENT

Moderators: R. Laszig (Hannover, Germany), C.A. Leone (Neaples, Italy)


S. Plontke, A. Liebau, O. Pogorzelski, A.N. Salt (Halle, Germany/St Louis, USA)

15.45-15.53 Glucocorticoids stimulate endolymphatic water reabsorption in inner ear

J. Nevoux, S. Viengchareun, I. Lema, AL Lecoq, M. Lombes,
<table>
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<tbody>
<tr>
<td>15.55-16.03</td>
<td>Comparison of Intra-Tympanic Steroid Therapy Protocols for Meniere's disease between Centers in Three Mediterranean Countries</td>
<td>F. Ferrary (Paris, France)</td>
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<tr>
<td>16.05-16.13</td>
<td>Evaluation of long term effect of intratympanic dexamethoson therapy (ITD) in Menière’s Disease (MD)</td>
<td>R. Perez, S. Battelino, A. Incesulu, Jerusalem, Israel/Ljubljana, Slovenia/Meselik-Eskisehir Turkey</td>
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<td>16.15-16.28</td>
<td>Intra-tympanic dexamethasone in the treatment of disabling vertigo in Meniere Disease</td>
<td>C. Candreia, A. Lehner, M. Gartner, T. Linder (Luzern, Switzerland)</td>
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**SAN FRANCESCO HALL**

**15.30-16.30 CLINICAL ISSUES 1**

**Moderators:** P. Sannikorn (Bangkok, Thailand), S. Berrettini (Pisa, Italy)

<table>
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<tr>
<td>15.30-15.38</td>
<td>Idiopathic acute labyrinthine diseases and Meniere disease: the necessity of a multidisciplinary approach.</td>
<td>A. Pirodda, C. Brandolini, C. Borghi (Bologna, Italy)</td>
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<tr>
<td>15.50-15.58</td>
<td>Gluten sensitivity and Ménière's disease</td>
<td>F. Di Berardino, D. Soi, D. Alpini, E. Filipponi, A. Cesarani (Milano, Italy)</td>
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<td>16.00-16.08</td>
<td>The social impact of Ménière’s disease: the role of different treatment strategies</td>
<td>D. Nuti, M. Mandalà (Siena, Italy)</td>
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<td>16.10-16.18</td>
<td>The natural history of Ménière's disease: a systematic review</td>
<td>J. Bewick, D. Hoare, J. Phillips (Norwich, Nottingham, UK)</td>
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<td>16.20-16.28</td>
<td>High frequency deafness with vestibular episodic syndrome</td>
<td>E. Martin-Sanz, J. Esteban, R. Sanz (Madrid, Spain)</td>
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**16.30-17.00**
AUDITORIUM

17.00-18.40 CLINICAL ISSUES 2

Moderators: T. Somers (Antwerp, Belgium), A. Serra (Catania, Italy)

17.00-17.13 Vestibular Implant, a new approach to bilateral vestibular dysfunction
A. Ramos, A. Krahl, M. Manrique, E. Offeciers, A. Zarowski, N. Perez, J. Benitez, M. Killian

17.15-17.28 Meniere's Disease: what can we learn from vestibular implants
J.T. Rubinstein, J.O. Phillips, L. Ling, K. Nie (Seattle, USA)

17.30-17.38 Subjective Visual Vertical in Bilateral Vestibular Loss Role of Proprioception
M. Toupet, C. Van Nechel, U. Duquesne, C. Hautefort, S. Heuschen, Alexis Bozorg Grayeli (Dijon, France)

17.40-17.48 Subjective visual vertical and horizontal in the Indian Population
G.A. Amit, K. Tyagi, A.M. Augustine, A. Lepcha, A. Bairaj (Vellore, India)

17.50-17.58 Selective window application of gentamicin in Ménière's disease
F.N. Ardiç, F. Tümküyaya, K. Aykal, B. Çabuk (Denizli, Turkey)

18.00-18.08 Improving diagnostics in patients with vestibular paroxysmia to treat them in an earlier phase of illness
B. Ihtijarevic, V. Van Rompaey, P. van den Heyning, F. Wuyts (Antwerp, Belgium)

18.10-18.18 Unilateral Meniere disease with bilateral hearing loss
H. Lindahl, C. Strömberg, T. Tomanovic (Stockholm, Sweden)

18.20-18.28 The relationship between the cerebrospinal fluids and perilymph. New findings in MRI after intratympanic administration of gadolinium
G. Neri, F. Cazzato, A. Di Tano, A. Pacella, G. Filograna Pignatelli, S. Salice, A. Tartaro (Chieti, Italy)

18.30-18.38 A comparison of neurotological and psychometric test results in Ménière’s disease and phobic postural vertigo
L. Nimroda, L. Kise, M. Nimroda (Riga, Latvia)

SAN FRANCESCO HALL

17.00-18.40 CLINICAL ISSUES 3
Moderators: J. Veldman (Utrecht, Netherlands), D. Zanetti (Milano, Italy)

17.00-17.08: eHealth in Meniere’s disorder improves quality of life when medical therapy is not enough
I. Pyykkö, H. Leivo, J. Rasku, V. Manchaiah, E. Kentala, Tampere, Finland; Beaumont, USA)

17.10-17.18: Alternative medicine and non-invasive therapies for the treatment of Ménière's disease
M. Lauriello, I. Salvi, L. Crosta, M. Fusetti (L’Aquila, Italy)

17.20-17.28: Reduction of vertigo symptomatology with chronic use of weak asymmetric base-in prism spectacles (WABIPS) in Vestibular Migraine patients
E. Vente, D. Zambrano (Alphen a/d Rijn, Lekkerkerk, Netherlands)

17.30-17.38: Cervical Specific Protocol and Results for 300 Meniere's Disease Patients Followed for a Minimum of Five Years
M.T. Burcon (Grand Rapids, USA)

17.40-17.48: Intratympanic gentamicin/dexametasone versus gentamicin alone in Ménière's disease
D. Nuti, M. Mandalà (Siena, Italy)

17.50-17.58: Management of Ménière's disease: our experience
O. Zemirli, A. Mouzali, M.Z. Sadi, K. Ouennoughi, M.S. Haraoubia (Algiers, Algeria)

18.00-18.08: Usage of vasoactive therapy in cases of moderate to severe hearing disorders
D. Rancic (Niš, Serbia)

18.10-18.18: Comparative evaluation of the effect of the Meniett™ device in patients with Menière’s disease
D. Bernardeschi, E. Ferrary, D. Bouccara, O. Sterkers (Paris, France)

18.20-18.28: Intratympanic Gentamicin for Meniere's Disease: Short- and Long-term Follow-up of Two Regimens of Treatment
A.P. Casani, N. Cerchiai, E. Navari (Pisa, Italy)

18.30-18.38: Long-term results of intratympanic gentamicin in the treatment of Meniere Disease
J.J. Wazen (Sarasota, USA)
TUESDAY OCTOBER 20, 2015

AUDITORIUM
08.00-09.00  SAC SURGERY

Moderators:  P.A. Wackym (Pittsburg, USA), R. Kania (Paris, France)
08.00-08.13  Sac surgery for treatment of Meniere Disease
             R. Bento (San Paolo, Brazil)
08.15-08.28  Osteoplastic refinement in ES surgery
             R.A. Bly, L.G. Duckert (Seattle, USA)
08.30-08.43  Endolymphatic duct blockage: a new era in the treatment of
             Ménière disease
             I. Saliba, N. Gabri, M-H Asmar, D. Berbiche (Montreal, Canada)
08.45-08.58  Endolymphatic Sac Revision Surgery
             M.M. Paparella (Minneapolis, USA)

09.00-10.00  PANEL: WHICH SURGICAL TREATMENT, IF ANY, FOR
             MENIERE’S DISEASE?

Moderator:  P. Tran Ba Huy (Paris, France)

Participants:

Endolymphatic Sac surgery- Why we need it…
V. Darrouzet (Bordeaux, France)
Ménière’s disease; Still indications for sac surgery?
P. Moller (Bergen, Norway)
Endolymphatic sac surgery for patients with Ménière’s disease-long-term
results after primary and revision surgery
S. Volkenstein, T. Sandberg, JP Thomas, S. Dazert (Bochum, Germany)
The long-term reduction of vertigo and subjective dizziness by tenotomy of
the stapedius and tensor tympani muscles in definite Meniere’s disease
B. Loader, P. Franz (Vienna, Austria)
Vestibular nerve sectioning in Ménière’s disease
Y. Bayazit (Ankara, Turkey)

SAN FRANCESCO HALL
08.00-09.10  CLINICAL ISSUES 4

Moderators: M. Hultcrantz (Stockholm, Sweden), D. Passali (Siena, Italy)

08.00-08.08  Did Prosper Meniè re discover Menière's disease?
O. Michel (Brussels, Belgium)

08.10-08.18  Reevaluation of QOL in relation with symptoms of Ménière's disease
M. Manfrin, S. Quaglieri, E. Rebecchi, G. Locatelli, P. Canzi, M. Benazzo (Pavia, Italy)

08.20-08.28  Audiological characteristics, Immunological Markers and cytokines expressions in Cochlear implant patients affected by autoimmune disorders
P. Mancini, A. Di Mario, D. Ballantyne, E. De Seta, C. Alessandri, H. Dincer (Rome, Italy)

08.30-08.38  Clinical Analysis of Patients with Spontaneous Nystagmus and Negative Video Head Impulse Test: Is it always central?
MG Moon, MB Kim, JH Ban (Seoul, Korea)

08.40-08.48  Possible role of herpesviridae family viruses in the pathogenesis and evolution of sensorineural hearing loss
W. Di Nardo, R. Anzivino, E. De Corso, P. Cattani, R. Santangelo, G. Paludetti (Rome, Italy)

08.50-08.58  Super paramagnetic nanoparticles driven by external magnetic field for targeted drug administration to the inner ear: feasibility and toxicity
G. Leterme, C. Guigou, A. Oudot, B. Collin, J. Boudon, A. Geissler, K. Belharet, A. Ferreira, A. Bozorg Grayeli (Dijon, Bourges, France)

09.00-09.08  A study for local treatment of three different polymers aimed for middle ear administration

09.15-10.00  VESTIBULAR FUNCTION AFTER CI

Moderator: H. Skarzynski (Warsaw, Poland)

09.15-09.28  Comparison of the Result of Caloric test vs Video Head Impulse Test in Cochlear Implant Users (A. Incesulu (Meselik-Eskisehir, Turkey)

09.30-09.43  Vestibular function before and after cochlear implantation in patients with post lingual deafness: a prospective observational study
P.A. Abramides, R.S.M. Bittar, R.K. Tsuji, R.F. Bento
Vestibular function after cochlear implantation in partial deafness treatment

M. Sosna, K. Pietrasik, G. Tacikowska, J. Listwon, H. Skarzynski, P.H. Skarzynski (Warsaw, Poland)

10.00-10.30

Keynote Lecture 7

Moderator: M. Luntz (Haifa, Israel)

Personalized medicine for Cochlear implantation

HP Zenner (Tubingen, Germany)

11.00-12.30

PANEL: HEARING REHABILITATION IN MÉNIÈRE’S DISEASE

Moderator: M. Kameswaran (Chennai, India)

Participants:

Hearing Rehabilitation with Cochlear Implants and Hearing Aids in Patients with Meniere’s disease

M. Luntz, N. Yehudai, T. Shpak (Haifa, Israel)

Cochlear implantation in patients with unilateral hearing loss and Ménière’s Disease

A. Ramos (Las Palmas, Spain)

Cochlear Implants in Meniere’s Disease

T. Lenarz (Hannover, Germany)

Cochlear implantation in Ménières Disease

G.M. Sprinzl, A. Wolf-Magele, J. Schnabl (St. Poulten, Austria)

Cochlear implant and Ménière’s disease: vestibular and auditory function

R. Manrique-Huarte, D. Calavia, N. Pérez-Fernández, M. Manrique (Pamplona, Spain)

SAN FRANCESCO HALL

11.00-12.30

EFFECT OF CI ON MENIERE DISEASE

Moderators: A.K. Gadre (Louisville, USA), A. Casani (Pisa, Italy)
11.00-11.13 Strategy for end-stage Ménière's disease: labyrinthectomy with CI  
B. Gantz, M.R. Hansen, C. Dunn, R. Tyler (Iowa City, USA)

11.15-11.23 Translabyrinthine vestibular nerve section and simultaneous cochlear implantation in patients with recalcitrant Ménière's disease: preliminary report  
P. Canzi, M. Manfrin, M. Perotti, F. Aprile, S. Quaglieri, G. Locatelli, D. Fresa D, M. Benazzo (Pavia, Alessandria, Italy)

11.25-11.33 Rehabilitation of fluctuating hearing loss by cochlear implant  
D. Bernardeschi, I. Mosnier, D. Bouccara, E. Ferrary, O. Sterkers (Paris, France)

11.35-11.43 Cochlear Implantation as therapy option in single-sided deafness and vertigo caused by M. Menière  
R. Laszig (Freiburg, Germany)

11.45-11.53 Spatial hearing improvement and long-term suppressive effect on tinnitus after cochlear implantation in single-sided-deaf patients with and without Ménière's disease  
V. van Rompaey, G. Mertens, P. Van de Heyning, Belgium

11.55-12.03 Outcomes of cochlear implantation in end stage Ménière's disease: a multicenter study  
D. Zanetti, F. Di Berardino, E. Filipponi, L.O. Redaelli De Zinis, T. Sorrentino, S. Costanzo, A. Cesarani (Milano, Italy)

12.05-12.13 Cochlear implant in asymmetric menieric hearing loss  
D. Cuda, A. Murri (Piacenza, Italy)

12.30-13.15 Commenting on the present guidelines for Ménière's Disease

Moderator: M. Barbara (Rome, Italy)

Participants:
N. Ozgirgin (Ankara, Turkey) EAONO  
M. Magnusson (Lund, Sweden) BARANY  
T. Ikezono (Tokyo, Japan) JSER  
C. Cenjor (Madrid, Spain) POLITZER  
B. Gantz (Iowa City, USA) AAO-HNS  
W-H Chun (Seoul, Korea) KOREAN BALANCE SOCIETY

13.15 Closing remarks  
M. Barbara
POSTERS

1. Cystic fibrosis transmembrane conductance regulator in the endolymphatic sac of the rat.
   A. Matsubara, T. Miyashita, R. Inamoto, H. Hoshikawa, N. Mori
   Kagawa/Osaka, Japan

2. Prox1 expression in the endolymphatic sac revealed by whole-mount fluorescent imaging of prox1-GFP transgenic mice.
   T. Miyashita, J. L. Burford, Y. K. Hong, H. Gevorgyan, L. Lam, H. Hoshikawa, N. Mori, J. Peti-Peterdi
   Kagawa/Osaka, Japan; Los Angeles, USA

3. Human endolymphatic sac and cochlear water channels - Implications to inner ear fluid homeostasis and mechanism of Ménière's disease.
   Wei Liu, Helge Rask-Andersen
   Uppsala, Sweden

4. The human endolymphatic sac is an intracranial endocrine gland.
   Martin Nue Møller, Svend Kirkeby, Jonas Vikeså, Finn Cilius Nielsen, Per Cayé-Thomasen
   Copenhagen, Denmark

5. Adrenergic stimulation-mediated transepithelial current from human endolymphatic sac epithelium.
   Bo Gyung Kim, Sera Park, Jee Eun Yoo, Jae Young Choi, Sung Huhn Kim
   Seoul, Korea

6. Exome sequencing data involve multiple genes and pathways in familial Ménière's disease.
   Lidia Frejo, Teresa Requena, Carmen Martin-Sierra, Sonia Cabrera, Jose A. Lopez-Escamz
   Granada, Spain

7. Extreme tinnitus phenotype in Ménière's disease.
   Espinosa-Sanchez J.M., Batuecas-Caletrio A., Sanchez-Gomez H., Lopez-Escamez J.A.
   Granada, Spain

8. The inner ear - a novel target for insulin action and resistance - implications for diabetes.
   Eva Degerman, Rene' in 'Zandt, Måns Magnusson
   Lund, Sweden

9. Microglia in Ménière's syndrome
   Felipe Santos, Andreas Eckhard, Arianna DiStadio, Jennifer O'Malley, Michael J. McKenna
   Boston, USA

10. Furosemide loading vestibular evoked myogenic potentials can detect having endolymphatic hydrops - Up-to-date experience
    Toru Seo, Ko Shiraishi, Takaaki Kobayashi, Mutsukazu Kitano, Katsumi Doi
    Osakasayama, Japan

11. Identification and functional analysis of THAP1 gene segregating vestibular phenotype in monozygotic twins with Ménière's disease.
    Carmen Martin-Sierra, Teresa Requena, Lidia Frejo, AeRi Ji, Jose A. Lopez-Escamez
12. A vestibular-somatosensory interaction using a near-infrared spectroscopy
   Hikaru Yamamoto, Masahiro Iida
   Tokyo, Japan

   Michel Toupet, Christian Van Nechel, Alexis Bozorg Grayeli
   Paris/Dijon, France; Brussels, Belgium

   Antwerp/Ledegen/Leuwen, Belgium

15. The usefulness of OPK parameters analysis for saccadic and smooth pursuit disturbances interpretation.
   Henrik Kaźmierczak, Katarzyna Pawlak-Osińska
   Bydgoszcz, Poland

16. Comparative evaluation between caloric test, VEMP and DDPAOE in diagnosing Ménière’s disease
   M.Z. Sadi, A. Mouzali, Kh. Ouennoughi, M.S. Haraoubia, O. Zemirli
   Algiers, Algeria

17. High signal on 3D flair, a predictable factor for progression to Ménière’s disease in sudden hearing loss
   Sang Hun Lee, Chan Joo Yang, Jeong Hyun Lee, Joong Ho Ahn
   Seoul, Korea

18. Semicircular canal malformations: clinical and instrumental findings
   Cristina Brandolini, Andrea Castellucci, Gianluca Piras, Antonio Pirodda
   Bologna, Italy

19. Superior canal dehiscence and "near-dehiscence" syndrome: clinical and instrumental aspects
   Andrea Castellucci, Gianluca Piras, Cristina Brandolini, Antonio Pirodda
   Bologna, Italy

20. Barotraumatic perilymphatic fistula: proposed approach to diagnosis and management
   Ji Eun Choi, Il Joon Moon, Won-Ho Chung, Yang-Sun Cho, Sung Hwa Hong
   Seoul, Korea

21. Outcome of attic reconstruction after minimal incision anticoantrostomy approach laser surgery for congenital cholesteatoma (MILC) - Surgical experience from 400 cases
   Chang Ho Lee, Hyung-Mi Kim
   Gyeonggi-do, Korea

22. Endoscopic inlay butterfly (cartilage) tympanoplasty
   K. Aykal, F. Tümkaya, C.O. Kara, F.N. Ardiç
   Denizli, Turkey

23. The patients with Ménière’s disease result in the discrepancy between video head impulse test and caloric testing
   Mutsukzu Kitano, Toru Seo, Ko Shiraiishi, Takaaki Kobayashi, Katsumi Doi
24. The human vestibular aqueduct and LVAS - anatomical and radiological assessment
C.K. Nordström, H. Rask-Andersen
Uppsala, Sweden

25. Prognosis of severe to profound idiopathic sudden sensorineural hearing loss
Changjoon Lee, Siyoung Jo, Yongbeom Cho
Gwanju, Korea

26. Genetic aspects and clinical characteristics of familial Ménière’s disease in a South Korean population.
Jin Woong Kim, Ji Hyuk Han, Jeon Mi Lee, Sung Huhn Kim
Seoul, Korea

27. Is the cause of a vertigo attack Ménière’s disease or vestibular neuritis? Objective measurements give the answer.
L. Manzari, A.M. Burgess, H.G. MacDougall, I.S. Curthoys
Cassino, Italy; Sydney, Australia

28. Relationship between hearing threshold at the affected and unaffected ear in unilateral Ménière’s disease.
R. Albera, A. Canale, C. Cassandro, A. Albera, A. Sammartano, V. Boggio, M. Cerutti, F. Dagna
Torino, Italy

29. Abnormality of doll’s eyes response to head tilt in roll in patients with Ménière’s disease
Tomoyuki Okada, Yasuhiro Tanaka, Kojiro Ido, Masahiko Fukasawa, Yasuhiro Miyamoto, Manabu Nakamura and Izumi Koizuka
Kawasaki City/Yokohama City

30. Platinum-induced ototoxicity in children: comparison of different ototoxicity classification
Gunay Kirkim, Yuksel Olgun, Serpil Mungan Durankaya, Deniz Kizmaz Cakir, Dilek Ince, Kamer Mutafoglu, Nur Olgun, Enis Alpin Guneri
Izmir, Turkey

31. Cost effectiveness of using contrast-enhanced magnetic resonance imaging for screening unilateral hearing loss
F.N. Ardıc, F. Tümkay, K. Ağlıdöğülu, M. Şentürk, C.O. Kara, Y. Kiroğlu
Denizli, Turkey

32. High signal on 3D flair, a predictable factor for progression to Ménière’s disease in sudden hearing loss
Sang Hun Lee, Chan Joo Yang, Jeong Hyun Lee, Joong Ho Ahn
Seoul, Korea

33. Sleep and dizziness handicap inventory profiles in Ménière’s disease and vestibular neuritis
Akira Doi, Kenichi Kozakura, Aki Fukumoto, Keiko Morizane, Kozo Tamura, Keiko Tsutsui, Yukari Morizane, Chie Ikehata
34. **Manifestation of Lermoyez’s syndrome in Ménière’s disease patient**
   Špela Kordiš, Nina Božanić Urbančič, Manja Hribar and Saba Battelino
   Ljubljana, Slovenia
35. **Psychological evaluation of the patients with vertigo due to otoliths organ**
   Takaaki Kobayashi, Toru Seo, Shiraishi Ko, Mutsukazu Kitano, Katsumi Doi
   Osaka, Japan
36. **Unilateral sensorineural hearing loss and multiple sclerosis**
   Kuci Anjeze, Bala Jonida
   Tirana, Albania
37. **Tinnitus and spondyloarthrosis: strong conjuction between ENT and Reumatology**
   Kuci Anjeze, Kollcaku Julia, Bala Jonida
   Tirana, Albania
38. **Ménière’s disease presented with microvascular compression of the vestibulocochlear nerve**
   Kh. Ouennoughi, M.S. Haraoubia, A. Mouzali, K. Kanoun, L. Boublata, D. Ioualalène, O. Zemirli
   Algiers, Algeria
39. **Audiovestibular findings in cerebellopontine angle tumor**
   Noriko Nagai, Yasuo Ogawa, Akira Hagiwara, Kouji Otsuka, Taro Inagaki, Shigetaka Shimizu, Shigeto Itani, Mamoru Suzuki
   Tokyo, Japan
40. **Audiological screening in children with cerebral palsy**
   G. Khaydarova, Kh. Shaykhoova
   Tashkent, Uzbekistan
41. **The many faces of migraine - auditory and vestibular presentation: a case study**
   B. Ceramic
   London, UK
42. **Vestibular neuritis according to VHIT testings. Clinical entities and prognostic factors.**
   Romain Glatre, Charlotte Hautefort, Benjamin Verillaud, Christelle Domange, Philippe Herman
   Romain Kania
   Paris, France
43. **Otitis media and Ménière’s disease**
   D. Djeric
   Belgrade, Serbia
44. **Anxiety and the severity of the symptoms in patients with Ménière’s disease.**
   Ana Jotic, Branka Mikic, Ljiljana Cvorovic
   Belgrade, Serbia
45. **The risk of misdiagnosis between Chronic Subjective Dizziness (CSD) and Ménière Disease (MD): a psychometrics analysis.**
   G. Chiarella, C. Petrolo, R. Riccelli, E. Cassandro
   Catanzaro/Salerno, Italy
46. **Forms of vertigo in enclosed tympanum chronic mastoiditis**
Simona Serban, Marian Radulescu, Andreea Ruseșcu, Carmen-Cristina Drăghici 
Bucarest, Rumenia

47. Reversible inner ear symptoms in destructive temporal bone lesions 
Noam Yehudai, Michal Luntz 
Haifa/Tel Aviv, Israel

48. Benign paroxysmal positional vertigo following stapedotomy 
Nenad Arsovic 
Belgrade, Serbia

49. Evaluation of urinary deoxypyridinolideine levels and their correlation with temporal bone HRCT and density metric data in otosclerosis 
Pınar Tuncbilek Özmanevra, Nuri Karabay, Selhan Gurkan, Günay Kırkim, Enis Alpin Gureri 
Izmir, Turkey

50. Vestibular schwannoma in sudden sensorineural hearing loss patients 
Yong-Soo Park, Il-Whan Lee, In-Chul Nam, Dong-Hyun Kim, Eun-Ju Jeon 
Incheon, Korea

51. Temporary canal wall removal in primary inner ear schwannomas and B2 glomus tympanicum tumors 
Vincent Van Rompaey, Paul Van de Heyning 
Antwerp, Belgium

52. Conservatively managed sporadic vestibular schwannoma: Audiovestibular factors influencing quality of life 
S. Hansen, J. Yde, S. Stangerup, M. Möller, C. Workman, P. Cayé-Thomasen 
Copenhagen, Denmark

53. Difficulties of psychological therapy in patients with Ménière's disease 
Linda Haraoubia, Kheireddine Ouennoughi, Lyes Beridja, Mohamed salah Haraoubia, Omar Zemirli 
Algiers, Algeria

54. Optimal management of Ménière's disease 
Sung Il Nam, Soon Hyung Park, Jae Hyun Cho, Min Ju Park, Seung Gon Jung, Ye Won Lee, Chang Hoon Bae 
Daegu, Korea

55. Treatment of peripheral vestibular vertigo 
Khalida Shaykhova, Gavkhar Khaydarova 
Tashkent, Uzbekistan

56. Intratympanic gentamycin in a grade 1 vestibular schwannoma 
Vincent Van Rompaey, Tomas Menovsky, Paul Van de Heyning 
Antwerp, Belgium

57. Transtympanic inner ear drug therapy 
Aziz Belal 
Alexandria, Egypt

58. Long-term hearing outcome after intratympanic gentamycin instillation for Ménière's disease 
Sarah Verhoeven, Vincent Van Rompaey, Olivier Vanderveken, Paul Van de Heyning
59. **Cochlear and vestibular effects of combined intratympanic dexamethasone and gentamycin**
Enis Alpin Güneri, Yüksel Olgun, Mustafa Aslier, Daniele Nuti, Günay Kirkım, Serpil Mungan
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60. **Semicircular canal’s function in patient with Ménière’s disease treated with low-dose intratympanic gentamycin**
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61. **Intracochlear drug delivery by injections through the round window membrane: measures to improve drug retention**
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62. **Evaluating effectiveness of intratympanic-tympanic dexamethasone injection of Ménière's patients with alteration of electrocochleography**
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63. **Effect of transtympanic ventilation tube insertion in intractable Ménière's disease**
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65. **Vestibular Neurectomy: retrosigmoid or retrolabyrinthine approach?**
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66. **Middle cranial fossa vestibular neurectomy for intractable Ménière's disease**
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67. **Persistent vestibular symptoms after cochlear implantation - clinical overview**
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68. **Vestibular function in partial and total deafness**
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69. **Quality of life before and after hearing aids**
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70. **Cochlear implantation as a method of rehabilitation of tinnitus**
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73. **Cochlear implantation in a patient with Paget disease**
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74. **Setting expectations for speech understanding in quiet and in noise in straightforward adults cochlear implant candidates**
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75. **Residual hearing in candidates for cochlear**
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77. **Outcome of cochlear implantation in children with severe and very severe malformations of the inner ear and the auditory nerve**
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78. **Intravestibular schwannoma: symptomatic treatment with intratympanic gentamycin**
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79. **Unilateral sensorineural hearing loss as immune-mediated inner ear disease**
   Francesca Atturo, Maurizio Barbara, Simonetta Monini