

# THE VESTIBULAR SYSTEM

## A CLINICAL AND SCIENTIFIC UPDATE IN SIENA

April 5-6, 2013 - Siena, Italy

### Programme

#### Thursday, April 4

##### **CERTOSA DI PONTIGNANO**

19.00	Welcome reception
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#### Friday, April 5

##### **POLICLINICO S. MARIA DELLE SCOTTE**

07.30	Registration
08.30	<b>Welcome addresses</b> Desiderio Passali (Italy), Alessandro Rossi (Italy)
09.00 11.00	<b>SESSION 1</b> <b>PERIPHERAL VESTIBULAR DISORDERS: CLINICAL ASPECTS</b> Moderator: Daniele Nuti (Italy)
09.00	<b>The history of vestibular system disorders</b> Eugenio Mira (Italy)
09.15	<b>The classification of BPPV (International Classification of Vestibular Disorders of the Barany Society)</b> Michael Von Brevern (Germany)
09.30	<b>Posterior semicircular canal benign paroxysmal positional vertigo presenting with torsional downbeating nystagmus: an apogeotropic variant</b> Paolo Vannucchi (Italy)
09.45	<b>Intratympanic treatment in Ménière's disease: its effects in VOR</b> Nicolas Perez (Spain)
10.00	<b>Superior Semicircular Canal Dehiscence Syndrome: diagnostic dilemma and surgical experience</b> Giovanni Modugno (Italy)
10.15	<b>Referral and final diagnoses of patients assessed in a vertigo center</b> Dominik Straumann (Switzerland)
10.30	<b>Selective otolith dysfunctions objectively verified</b> Leonardo Manzari (Italy)
10.45	<b>The anterior canal BPPVs and their treatments</b> Mans Magnusson (Sweden)
11.00 11.30	Coffee break

<b>11.30</b> 13.30	<b>SESSION 2</b> <b>PERIPHERAL VESTIBULAR DISORDERS: RESEARCH ASPECTS</b> Moderator: Marco Mandalà (Italy)
11.30	<b>Behavior of the human translational vestibulo-ocular reflex during simultaneous head translations and rotations</b> John Leigh (USA)
11.45	<b>The neural basis of testing vestibular function by sound and vibration</b> Ian Curthoys (Australia)
12.00	<b>Utility of the gain-time constant product for categorizing patients with vestibular disorders</b> Timothy Hain (USA)
12.15	<b>Genetic bases of Menière's disease</b> Lopez Escamez (Spain)
12.30	<b>SCDS – the great masquerader</b> John Carey (USA)
12.45	<b>Scale of Emotional Impact on Vertigo (SEIV): a new tool to manage anxiety related to vertigo</b> Sergio Carmona (Argentina)
13.00	<b>A novel method of 3D high resolution CT image analysis for detection of semicircular canal dehiscence</b> Thomas Haslwanter (Austria)
13.15	<b>The video head impulse test: from prototype to clinical routine application</b> Konrad Weber (Switzerland)
<b>13.30</b> 15.00	Lunch and poster viewing
<b>15.00</b> 17.00	<b>SESSION 3</b> <b>CENTRAL VESTIBULAR DISORDERS: CLINICAL ASPECTS</b> Moderator: David S. Zee (USA)
15.00	<b>Episodic Migraine Vertigo (EMV): a late migraine equivalent</b> Paolo Pagnini (Italy)
15.15	<b>Cerebellar Ataxia with Neuronopathy and Vestibular Areflexia Syndrome (CANVAS)</b> David Szmulewicz (Australia)
15.30	<b>Cerebellar infarctions mimicking acute peripheral vertigo: how to avoid misdiagnosis?</b> Augusto Pietro Casani (Italy)
15.45	<b>Cerebellar vestibular disorders</b> Marianne Dieterich (Germany)
16.00	<b>Acute vertigo with "spontaneous nystagmus": misdiagnosis of vestibular neuritis</b> Giacinto Asprella Libonati (Italy)
16.15	<b>A peculiar case of hearing loss, tinnitus and vertigo</b> Vincenzo Marcelli (Italy)
16.30	<b>Vestibular and saccadic abnormalities in Spinocerebellar Ataxia Type 3 (SCA3)</b> Carlos Gordon (Israel)
16.45	<b>Vertigo and psychiatric disorders</b> Roberto Teggi (Italy)
<b>19.30</b>	<b>Cocktail</b> at the Rettorato of the University of Siena
<b>20.30</b>	<b>Gala dinner</b> at Palazzo Chigi Zondadori

## Saturday, April 6

### **POLICLINICO S. MARIA DELLE SCOTTE**

<b>09.00</b> 11.00	<b>SESSION 4</b> <b>CENTRAL VESTIBULAR DISORDERS: RESEARCH ASPECTS</b> Moderator: Michael Strupp (Germany)
09.00	<b>Visual height intolerance and fear of heights</b> Thomas Brandt (Germany)
09.15	<b>Self-motion perception and VOR: opposite adaptive mechanisms</b> Vito Enrico Pettorossi (Italy)
09.30	<b>Saccade-vestibular interaction</b> Lance Optican (USA)
09.45	<b>Magnetic vestibular stimulation: the effects of strong magnetic fields on the vestibular system</b> Dale Roberts (USA)
10.00	<b>Eye-head coordination in ataxia with oculomotor apraxia type 2</b> Caroline Tilikete (France)
10.15	<b>Multi-sensory and motor integration in spatial localization</b> Gary Paige (USA)
10.30	<b>Magnetic stimulation of vestibular cortex and spatial orientation</b> Amir Kheradmand (USA)
10.45	<b>The cortical neurophysiology of oscillopsia</b> Barry Seemungal (UK)
<b>11.00</b> 11.30	Coffee break
<b>11.30</b> 13.30	<b>SESSION 5</b> <b>PERIPHERAL/CENTRAL VESTIBULAR DISORDERS: RESEARCH ASPECTS</b> Moderator: Stefano Ramat (Italy)
11.30	<b>Psychophysics of vestibular neuritis</b> Adolfo Bronstein (UK)
11.45	<b>Neural correlates of sensory substitution in vestibular pathways following vestibular loss</b> Kathleen E. Cullen (Canada)
12.00	<b>How soon are compensatory saccades recruited after unilateral vestibular deafferentation?</b> Michael Schubert (USA)
12.15	<b>Dynamic exploration of vertical semicircular canals by rotational tests: clinical and vestibular rehabilitation interest</b> Marie José Fraysse (France)
12.30	<b>Prediction in the otolith-ocular reflex</b> Mark Walker (USA)
12.45	<b>Neurovestibular considerations for a new era in human spaceflight</b> Mark Shelhamer (USA)
13.00	<b>Bilateral vestibular loss and vestibular prostheses</b> Herman Kingma (Holland)
13.15	<b>Cerebellar and vestibular contributions to optimal gaze shifts</b> Stefan Glasauer (Germany)
<b>13.30</b>	

15.00	Lunch and poster viewing
<b>15.00</b> 17.30	<b>SESSION 6</b> <b>PERIPHERAL/CENTRAL VESTIBULAR DISORDERS: CLINICAL ASPECTS</b> Moderator: Lorenzo Salerni (Italy)
15.00	<b>Comorbidities in vestibular migraine</b> Scott D.Z. Eggers (USA)
15.15	<b>Cognition and vertigo</b> Giorgio Guidetti (Italy)
15.30	<b>Postural dynamics and habituation to seasickness</b> Avi Shupak (Israel)
15.45	<b>Reading while moving: the functional assessment of the VOR</b> Maurizio Versino (Italy)
16.00	<b>Vestibular diagnosis by VNG</b> Nuri Ozgirgin (Turkey)
16.15	<b>Combined peripheral and central vestibulopathies: a diagnostic challenge</b> J.S. Kim (South Korea)
16.30	<b>Vestibular compensation and rehabilitation: an up-dated overview</b> Michel Lacour (France)
16.45	<b>Audiometric pattern in Menière's disease</b> Roberto Albera (Italy)
17.00	<b>Intratympanic therapy for Menière's disease: our opinion</b> Marco Manfrin (Italy)
17.15	<b>Still any role for surgery in Menière's disease?</b> Maurizio Barbara (Italy)
17.30	<b>Perspectives in pharmacotherapy of vestibular and cerebellar disorders</b> Michael Strupp (Germany)
17.45	Closing Ceremony