ROYAL BELGIUM SOCIETY FOR EAR, NOSE AND THROAT, HEAD AND NECK SURGERY

ANNUAL CONGRESS
NEW FRONTIERS IN PEDIATRIC ENT

NEONATAL HEARING SCREENING
MAXILLARY FUNGUS BALL PATHOLOGY
B-AUDIO: FROM CLINICAL AUDIOLOGY TO HEARING INSTRUMENTS

Royal Library of Belgium, Brussels
President: A-L. Mansbach
15 - 16 November 2013
**Friday 15 November 2013**

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<td>Welcome Coffee - Exhibition Hall on 5th floor</td>
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<td>08.25</td>
<td>Introduction</td>
<td>President 2013</td>
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<td>08.30</td>
<td><strong>NEW FRONTIERS IN AIRWAY MANAGEMENT IN ADULTS</strong></td>
<td>B-RHINO CHRONIC SINUSITIS</td>
<td>B-AUDIO AUDIOLOGY AND HEARING INSTRUMENTS</td>
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<td>10.15</td>
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<td>10.45</td>
<td><strong>NEW FRONTIERS IN AIRWAY MANAGEMENT IN CHILDREN</strong></td>
<td>B-RHINO FUNGUS BALL OF THE MAXILLARY SINUS</td>
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**Saturday 16 November 2013**

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<td>09.00</td>
<td><strong>NEW FRONTIERS IN GENERAL PEDIATRIC OTOLARYNGOLOGY Part 1</strong></td>
<td>NEONATAL HEARING SCREENING Part 1</td>
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<tr>
<td>11.00</td>
<td><strong>NEW FRONTIERS IN GENERAL PEDIATRIC OTOLARYNGOLOGY Part 2</strong></td>
<td>NEONATAL HEARING SCREENING Part 2</td>
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<tr>
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<tr>
<td>13.45</td>
<td><strong>NEW FRONTIERS IN PEDIATRIC COCHLEAR IMPLANTATION Part 1</strong></td>
<td>NEONATAL HEARING SCREENING Part 3</td>
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<tr>
<td>15.30</td>
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<td>16.00</td>
<td><strong>NEW FRONTIERS IN PEDIATRIC COCHLEAR IMPLANTATION Part 2</strong></td>
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- Concert at the Palace of Charles de Lorraine
- Dinner at the Kwint
Dear Colleagues,
Dear Friends,

The 108th Congress of the Royal Belgian Society for Ear, Nose and Throat, Head & Neck Surgery has a clear pediatric orientation. With New Frontiers as a general theme, the aim is to highlight recent advances in this field that often bring revolutions in our standard practice.

Four sessions are respectively devoted to Airway Management, Nasal Surgery, General Otolaryngology and Cochlear Implantation. There will be many video demonstrations by leading International and Belgian experts, with time set aside for the exchange of experiences and ideas between all participants. In each field, the developments of the last few years have had a major impact on the quality of our patients’ lives.

The Annual Report, coordinated by Professor Christian Desloovere on Neonatal Hearing Screening, will examine the organization and the results of the screening program in 2013, both in Belgium and abroad.

The program includes for the second year the new B-Audio Group, which under the Presidency of Professor Jan Wouters, will provide 4 sessions on audiology: from audiology and hearing instruments to general audiology and clinical audiology.

Last but not least, the B-Rhino Group, under the Presidency of Professor Stephan Vlaminck, will present a consensus session on Maxillary Fungus Ball Pathology.

Our congress is a unique opportunity to meet colleagues from all over the world and to share in their remarkable experience.

By housing our meeting at the Royal Library of Belgium, we will immerse ourselves in the historical and cultural center of our capital, and we look forward to making you discover one of its hidden jewels, the next-door superb Charles de Lorraine Palace, for an interlude of period music on Friday night.

Our hope is that this meeting will trigger improvements in our daily practice for the well being of our patients that is the foundation of our professional engagement and remains the principal focus of our work.

My warmest welcome to you all,

Anne-Laure Mansbach
President of the Royal Belgian Society for Ear, Nose & Throat, Head & Neck Surgery 2013
Sue Archbold, The Ear Foundation, Marjorie Sherman House, Nottingham, UK

David Albert, Department of Paediatric Otolaryngology, Great Ormond Street Hospital for Children, London, UK

Teresa YC Ching, National Acoustic Laboratories, Chatswood, Australia

Christos Georgalas, Endoscopic Skull Base Center Amsterdam, Academic Medical Centre, University of Amsterdam, Amsterdam, the Netherlands

Christian Güldner, Department of Otorhinolaryngology, Head and Neck Surgery, UKGM, Marburg, Germany

Elisabeth Hultcrantz, Department of Clinical and Experimental Medicine and Otolaryngology, Linköping University, Linköping, Sweden

Sergei Karpischenko, Department of Otorhinolaryngology, Head and Neck Surgery, I.P. Pavlov State Medical University, Saint Petersburg, Russia

Nicolas Leboulanger, Paediatric Otolaryngology, Head and Neck surgery department, UPMC - Paris VI University, Necker Enfants-Malades Hospital, Paris, France

Judith E Lieu, Department of Otolaryngology-Head and Neck Surgery, St. Louis Children’s Hospital, Washington University, St. Louis, MO, USA

A Marleen H Korver, Willem-Alexander Children and Youth Center, Sub Department of Social Pediatrics and DECIBEL-Study, Leiden University Medical Center, Leiden, the Netherlands

Philippe Monnier, Department of Otorhinolaryngology, Head and Neck Surgery, University Hospital CHUV, School of Biology and Medicine, University of Lausanne, Lausanne, Switzerland

Andreas Müller, Department of Otorhinolaryngology-Plastic Surgery, SRH Wald-Klinikum Gera, Gera, Germany

Gilbert Nolst-Trenité, Department of Otolaryngology, Bergman Clinics, Department of Plastic Surgery, Jan van Goyen Kliniek, Den Haag and Amsterdam, the Netherlands

Anne Marie Oudesluys-Murphy, Department of Social Pediatrics and DECIBEL-Study, Leiden University Medical Center, Leiden, the Netherlands

Blake Papsin, Department of Otolaryngology, Head and Neck Surgery, Cochlear Implant Program, Hospital for Sick Children, Cochlear Americas Chair in Auditory Development, Toronto, Ontario, Canada

Sanjay R Parikh, Departments of Otolaryngology-Head and Neck Surgery, Seattle Children’s Hospital, University of Washington, Seattle, WA, USA

Levent Sennaroglu, Department of Otolaryngology, Hacettepe University Medical Faculty, Ankara, Turkey

Ignazio Tasca, ENT Department AUSL-IMOLA, Civile Castel San Pietro Terme Hospital, Imola, Italy

Tina Wakefield, The Ear Foundation, Marjorie Sherman House, Nottingham, UK

Sylvette Wiener-Vacher, Vestibular and Oculomotor Evaluation Unit, ORL Department, Hopital Pediatrique Robert Debré, Paris, France
National Faculty

Frederic Acke
Nathalie Bernheim
Tinne Boons
An Boudewyns
Pierre Brihaye
Wim Buyens
Lien Calus
Georges Casimir
Jan Casselman
Sara Castelein
Jos Claes
Sofie Claeys
Caroline Cox
Tom De Neve
Astrid De Vos
Jacques Daele
Frank Declau
Naïma Deggouj
Pierre Delaere
Stefan Delrue
Paul Deltenre
Laurent Demanez
Pierre Demez
Kelly Demeester
Christian Desloovere
Jolien Desmet
Ingeborg Dhooge
Julie Elen
Philippe Eloy
Patrick Froelich
Philippe Gevaert
Yves Goffart
Tine Goossens
Frans Gordts
Sergio Hassid
Nadine Herman
Sofie Jansen
Mark Jorissen
Kristin Kerkhofs

Raphael Koning
Emilie Lacroix
Mark Laureyns
Philippe Lefèbvre
Peter Lemkens
Jack Levy
Guido Lichtert
Heleen Luts
Emily Markessis
Jan Matthys
Griet Mertens
Lisabeth Mus
Inge Pauwels
Birgit Philips
Jorn Potvin
Sarah Rabau
Marc Remacle
Philippe Rombaux
Liesbeth Royackers
Sven Saussez
Bert Schmelzer
Guy Van Camp
Natacha Terlinden
Thierry Van den Abbeele
Karen Van der Gucht
Leen Van Crombrugge
Charlotte Van Eynde
Erwin Van Kerschaver
Astrid van Wieringen
Lindsey Van Yper
Tom Vauterin
Charlotte Vercammen
Nicolas Verhaert
Patrick Verheyden
Katrien Vermeire
Benedicte Vos
Justine Wathour
Melina Willems
Jan Wouters
Friday 15 November 2013
Auditorium Lippens

08.25  Presentation of the Annual Congress of the Royal Belgian Society for Ear, Nose and Throat, Head and Neck Surgery.

Anne-Laure Mansbach, President 2013

08.30-10.15  NEW FRONTIERS IN AIRWAY MANAGEMENT IN ADULTS

Chairpersons: S. Saussez, N. Terlinden

08.30  Recent advances in surgery of benign laryngeal pathologies  M. Remacle
09.00  Neurolaryngology  A. Müller
09.30  Tracheal allo-transplantation  P. Delaere
10.00  Panel

Moderators: P. Demez, T. Vauterin
Panel members: P. Delaere, A. Müller, M. Remacle

10.15  Coffee break

10.45-12.30  NEW FRONTIERS IN AIRWAY MANAGEMENT IN CHILDREN

Chairpersons: N. Bernheim, L. Van Crombrugge

10.45  How far can we avoid tracheotomy in 2013?  S.R. Parikh
11.05  Endoscopic laryngotracehal surgery  D. Albert
11.35  Laryngotracehal surgery  P. Monnier
12.15  Panel

Moderators: P. Froelich, Y. Goffart
Panel members: D. Albert, P. Monnier, S.R. Parikh

12.30  Lunch
13.30-14.45  NEW FRONTIERS IN PEDIATRIC NASAL SURGERY
PART 1

Chairpersons: P. Rombaux, C. Cox

13.30  Pediatric septoplasty: which implications on facial growth?  I. Tasca
14.00  Is there a place for rhinoseptoplasty in children, whether functional, reconstructive or aesthetic?  G. Nolst-Trenité
14.30  Panel
   Moderators: S. Claeys, J. Daele
   Panel members: G. Nolst-Trenité, I. Tasca

14.45  Coffee break

15.15-17.00  NEW FRONTIERS IN PEDIATRIC NASAL SURGERY
PART 2

Chairpersons: S. Hassid, S. Delrue

15.15  Surgery for pediatric rhinosinusitis: when and how?  S.R. Parikh
15.45  Minimally invasive surgery for choanal atresia and piriform aperture stenosis  P. Brihaye
16.15  Panel
   Moderators: P. Eloy, M. Jorissen
   Panel members: P. Brihaye, S.R. Parikh

16.30  Round table  Moderator: S.R. Parikh
   Future of pediatric nasal surgery  P. Brihaye, G. Nolst-Trenité, I. Tasca
17.00  End of session

17.30  Concert at the Palace of Charles de Lorraine
19.00  Dinner at the Kwint
**Friday 15 November 2013**

**Auditorium De Greef**

08.30-10.15  **B-RHINO: CHRONIC SINUSITIS**

*Chairpersons: M. Jorissen, P. Eloy*

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<td>Case presentations</td>
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<td>10.00</td>
<td>Discussion</td>
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10.15  *Coffee break*

10.45-12.30  **B-RHINO: FUNGUS BALL OF THE MAXILLARY SINUS**

*Chairpersons: P. Gevaert, P. Rombaux, B. Schmelzer*

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<td>The Belgian consensus</td>
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<td>12.05</td>
<td>Discussion</td>
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12.30  *Lunch*
### Friday 15 November 2013

**Audio-Visual Auditorium**

**08.30-10.15** **B-AUDIO: AUDIOLOGY AND HEARING INSTRUMENTS**

*Chairpersons: M. Laureyns, P. Verheyden*

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<td>Introduction</td>
<td>J. Wouters</td>
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<td>08.37</td>
<td>Tutorial: Audiology of bone conduction devices</td>
<td>J. Desmet</td>
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<tr>
<td>09.10</td>
<td>Maximum output of an active bone conduction implant in patients with a mixed hearing loss: The Bonebridge™</td>
<td>G. Mertens, J. Desmet, A.F.M. Snik and P. Van de Heyning</td>
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<td>09.23</td>
<td>Binaural interaction of electrically and acoustically evoked auditory brainstem responses in six bimodal listeners</td>
<td>L. Van Yper, E. De Vel, K. Vermeire, I. Dhooge</td>
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<td>09.36</td>
<td>Enhanced temporal coding of the speech envelope onsets can lead to increased speech perception in cochlear implants</td>
<td>R. Koning, J. Wouters</td>
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<td>09.49</td>
<td>Music pre-processing assessment with cochlear implant users</td>
<td>W. Buyens, B. van Dijk, M. Moonen, J. Wouters</td>
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<td>10.02</td>
<td>Fact and figures on the prevalence of hearing loss and hearing aid use</td>
<td>M. Laureyns</td>
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<td>10.15</td>
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**10.45-12.30** **B-AUDIO: GENERAL AUDIOLOGY**

*Chairpersons: P. Deltenre, A. van Wieringen*

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<tr>
<td>10.45</td>
<td>Real-ear frequency response in different styles of earphones used in personal music players</td>
<td>T. De Neve</td>
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<td>10.58</td>
<td>Subtypes of ARHL based on individual auditory processing profilograms</td>
<td>K. Demeester, A. van Wieringen</td>
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<td>11.11</td>
<td>Central auditory processing in older adults: age and working memory</td>
<td>K. Vermeire, L. Schenus, S. Auwers, C. Boel, M. De Sloovere</td>
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<td>11.24</td>
<td>The impact of aging and hearing thresholds on cognition</td>
<td>C. Vercammen, T. Goossens, J. Wouters, A. van Wieringen</td>
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</table>
11.37 Hearing thresholds and hearing disorders prevalence in a population of normal young adults: should the norms be revisited?  
*J. Wathour, B. Chatelier, E. Villon, J.M. Gerard, N. Deggouj*

11.50 Neural temporal processing in three normal hearing age cohorts  
*T. Goossens, C. Vercammen, J. Wouters, A. van Wieringen*

12.03 Interest of vestibular evaluation in sequentially implanted children: preliminary results  
*B. Devroede, I. Pauwels, F. Sollier, A-L. Mansbach*

12.16 Characteristics of the ocular vestibular evoked myogenic potential induced by air-conducted stimuli  
*S. Castelein, E. Boisdequin, N. Deggouj*

12.30 **Lunch**

**Auditorium De Greef**

**13.30-14.45 B-AUDIO: CLINICAL AUDIOLOGY  
PART 1**

*Chairpersons: I. Dhooge, L. Demanez*

13.30 Tutorial: The Lilliput, an open-set CVC test for assessing speech in noise in 4-6 yr olds  
*A. van Wieringen*

14.03 Feasibility of the Digit Triplet speech-in-noise test for hearing screening in school-aged children  
*S. Jansen, H. Luts, K. Van Hoeck, C. Guérin, K. Van Doorslaer, K. Hoppenbrouwers, A. van Wieringen, J. Wouters*

14.16 Learning effects in repeated speech intelligibility tests  
*H. Luts, S. Jansen, J. Wouters*

14.29 Assessing and predicting speech perception in early-deafened late-implanted adults  
*B. Philips, N. Baudonck, I. Dhooge*

14.45 **Coffee Break**
Auditory neuropathy spectrum disorders in schools for the deaf and the hard of hearing in Belgium

M. Willems

15.28

Intellectual assessment of deaf children and differences between children with conventional hearing aids and children with cochlear implants

E. Lacroix, N. Deggouj, M.G. Edwards

15.41

Differences between ABR threshold measurements with headphones and insert phones in neonates

J. Elen, N. Verstraeten, C. Dings, J. van Dinther, Th. Somers, R. Vanspauwen, E. Offeciers, A. Zarowski

15.54

Audiological functions in patients with 22q11.2 deletion syndrome

C. Van Eynde, E. Lambeens, H. Luts, N. Verhaert, C. Desloovere, V. Vander Poorten, A. Swillen, K. Devriendt, G. Hens

16.07

Is cortical phase locking of ongoing neural oscillations to speech envelope modulations impaired in dyslexia?


16.20

Validation of the Dutch version of the tinnitus functional index

S. Rabau, A. Kleine Punte, P. Van de Heyning

16.33

Ear and hearing screening program for athletes with intellectual disability during Special Olympics

M. Willems, G. van Berlaer

16.50

End of session

17.30

Concert at the Palace of Charles de Lorraine

19.00

Dinner at the Kwint
Saturday 16 November 2013
Auditorium Lippens

09.00-10.35 NEW FRONTIERS IN GENERAL PEDIATRIC OTOLARYNGOLOGY (WITH IMPACT OF NEW MANAGEMENT ON COSTS) – PART 1 –

Chairpersons: G. Casimir, L. Calus

09.00 OSAS: Interest of sleependoscopy A. Boudewyns
09.20 OSAS: Tonsillectomy or tonsillotomy E. Hultcrantz
09.40 Penicillin for acute sore throat: arguments to change an old credo? J. Matthys
10.00 Influence of new vaccinations on prevalence of ENT infections J. Levy
10.20 Panel
Moderators: P. Lemkens, T. Van den Abbeele
Panel members: A. Boudewyns, E. Hultcrantz, J. Levy, J. Matthys

10.35 Coffee break

11.00-12.35 NEW FRONTIERS IN GENERAL PEDIATRIC OTOLARYNGOLOGY (WITH IMPACT OF NEW MANAGEMENT ON COSTS) – PART 2 –

Chairpersons: F. Gordts, K. Van der Gucht

11.00 Revolution in hemangioma management N. Leboulanger
11.20 Interest of vestibular assessment in learning rehabilitation of hearing impaired children S. Wiener-Vacher
11.40 Cone Beam or conventional CT-scan in ENT diagnosis? C. Güldner
12.00 Exciting new advances in pediatric otology B. Papsin
12.20 Panel
Moderators: J. Claes, P. Lefebvre
Panel members: N. Leboulanger, C. Güldner, B. Papsin, S. Wiener-Vacher

12.35 Lunch
13.45-15.30 NEW FRONTIERS IN PEDIATRIC COCHLEAR IMPLANTATION  
PART 1

Chairpersons: N. Deggouj, F. Acke

13.45 Radiologic assessment  
J. Casselman

14.15 Cochlear Implantation in malformed inner ears  
L. Sennaroglu

14.45 Education of the deaf child in 2013  
T. Wakefield, S. Archbold

15.15 Panel  
Moderators: T. Van Den Abbeele  
Panel members: S. Archbold, J. Casselman, L. Sennaroglu, T. Wakefield

15.30 Coffee break

16.00-17.30 NEW FRONTIERS IN PEDIATRIC COCHLEAR IMPLANTATION  
PART 2

Chairpersons: L. Demanez, J. Potvin

16.00 Awakening the auditory system with bilateral CI in children  
B. Papsin

16.30 Bilateral CI: vestibular consequences  
S. Wiener-Vacher

17.00 Panel  
Moderators: I. Dhooge  
Panel members: B. Papsin, S. Wiener-Vacher

17.30 End of session
### Saturday 16 November 2013

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<td>Chairperson: <em>N. Herman</em></td>
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<tr>
<td>08.30</td>
<td>Introduction</td>
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<tr>
<td>08.40</td>
<td>Organization and results of neonatal hearing screening in Flanders</td>
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<td>09.00</td>
<td>Organization and results of neonatal hearing screening in Wallonia</td>
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<td>09.20</td>
<td>Early hearing aid fitting in children, challenges and results</td>
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<td>09.35</td>
<td>Importance of home guidance and early intervention programs for children with early detected hearing loss</td>
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<td>EFAS-report on hearing screening in school-age children.</td>
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<td>Questions and answers</td>
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<td>11.00</td>
<td><strong>ANNUAL REPORT: NEONATAL HEARING SCREENING - PART 2</strong></td>
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<td>Chairman: <em>P. Deltenre</em></td>
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<tr>
<td>11.00</td>
<td>Etiology of hearing loss in children with neonatal hearing loss</td>
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<td>11.20</td>
<td>Genetics of congenital hearing loss: state of the art.</td>
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<td>Hearing loss caused by congenital cytomegalovirus infection, incidence and long term follow-up</td>
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<td>Auditory neuropathy: a challenge for diagnosis and treatment</td>
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<td>Spoken language development in children with cochlear implants</td>
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Chairman: N. Verhaert

14.00 Long-term results of the DECIBEL study: comparison of neonatal hearing screening to screening at 9 months
   A.M.H. Korver, A.M. Oudesluys-Murphy

14.20 Impact of early hearing screening and treatment on language development and education level: evaluation of 10 years of universal newborn hearing screening (ALGO) in Flanders
   C. Desloovere

14.40 Effect of unilateral neonatal hearing loss in children on language and school performance: indication for amplification
   J.E.C. Lieu

15.10 Long-term results of the Australian neonatal hearing screening protocol: predicting developmental outcomes of early- and late-identified children with hearing impairment
   T. Ching

15.40 Questions and Answers

16.00 End of session
VENUE AND DATES
The congress of the Royal Belgian Society for Ear, Nose, Throat, Head and Neck Surgery will take place on 15 and 16 November 2013 at the Royal Library of Belgium in Brussels.

ADDRESS: Royal Library of Belgium
Mont des Arts - Kunstberg
1000 Brussels

ITINERARY

By car
Parking location: Parking ‘Albertine-Square’.
Main entrance address: Place de la Justice - Gerechtsplein 16
Alternative entrance: Rue des Sols - Stuiversstraat.
This car park is located under the Square and is next to the Mont des Arts - Kunstberg.
Tariff: € 2,50 per hour - from the 6th hour at day rate of € 15,00.

By public transportation

By train: Brussels Central Station. Walking distance from the Central Station to the Royal Library of Belgium: 4 minutes.

By metro: Subway station Central Station – Line 1 and 5
Registration by the enclosed form or on-line at www.ORL2013.be

REGISTRATION FEE *

<table>
<thead>
<tr>
<th>Category</th>
<th>15 November 2013</th>
<th>16 November 2013</th>
<th>15 &amp; 16 November 2013</th>
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<td>Member Royal Belgian Society ENT-HNS</td>
<td>€ 40,00</td>
<td>€ 40,00</td>
<td>€ 80,00</td>
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<td>Resident: Member Belgian Society ENT-HNS</td>
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<td>Paramedical professional</td>
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<td>Congress Dinner (15 November 2013)</td>
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* The registration fee covers: admittance to the scientific sessions, final program, access to technical exhibition, lunches, refreshments during breaks and admittance to congress concert
Social Program and Congress Dinner

Friday 15 November 2013

17.30 Concert in the Royal Chapel of the Palace of Charles de Lorraine

Address: Place du Musée - Museumplein 1, 1000 Brussels

You are cordially invited to join the congress concert at the Royal Chapel of the Palace of Charles de Lorraine. The *Laterna Musica* ensemble will perform trio sonatas from the baroque repertoire.

Charles de Lorraine, governor of the Austrian Netherlands in 1744 – 80, was an art and science enthusiast. The construction of his palace began in 1757; it currently holds a 18th century impressive staircase, housing a Hercules statue by Laurent Delvaux and leading up to the first-floor rotunda. The rotunda includes a central rosette composed of 28 types of Belgian marble, obtained from the Prince’s collection of 5,000 minerals.

19.00 Dinner at the Kwint

Address: Mont des Arts - Kunstberg 1, 1000 Brussels

Kwint is the first Belgian representative and intermediary for two authorities in Parisian gastronomy: Maison de la Truffe and Kas-pia. It features a conceptual interior design with contemporary decor. The dining room is framed by beautiful archways and a billowing 30 meter long metallic sculpture by the Belgian designer Arne Quinze. It arises from the bar at the end of the room like a living and articulated structure.

The more, Kwint will offer you a breathtaking view on the town centre of Brussels.