

**EUROPEAN LARYNGOLOGICAL SOCIETY**  
**9<sup>th</sup> international congress**  
**Helsinki, Finland**

**June 13-16, 2012**  
**Marina Congress Centre**  
**address: Katajanokanlaituri 6**  
**Helsinki, Finland**

## **PROGRAMME**

### **Wednesday June 13, 2012**

- |             |  |
|-------------|--|
| 17.00-20.00 | Registration<br>Commercial exhibition  |
| 19.00-20.30 | Get Together<br>In formal meeting of the delegates. Refreshments<br>Marina Congress Centre<br>Second floor |

### **Thursday June 14, 2012**

**9.00-10.15**

**Fennia 2**

**Opening ceremony**

- |             |   |
|-------------|---|
| 9.00        | Teppo Lampela, singer<br>Antti Vahtola, pianist   |
| 9.05        | Welcome<br>Heikki Rihkanen<br>President of the Society  |
| 9.20        | Learning after medical school – a life long journey<br>Anne Pitkäranta, Professor of ORL – H&N Surgery,<br>Vice-Dean, Education, University of Helsinki |
| 9.40        | Ideal Voice<br>Minna Lindgren, Columnist  |
| 10.00       | 8 <sup>th</sup> Kleinsasser Award<br>Heikki Rihkanen and John Sonnabend, Karl Storz Company   |
| 10.10       | Teppo Lampela, singer<br>Antti Vahtola, pianist   |
| 10.15-11.00 | <b>Coffee, posters and exhibition</b>   |

10.30-10.50  
**Nordia**

**Poster tour 1**

Guided by Anastasios Hantzakos

96. The importance of eletroglottographic study in dysphonia patients  
E. Radtsig, D.V.Shklyar  
Moscow, Russia

111. Instrument for extralaryngeally guided vocal fold lateralization  
M. Hess<sup>1</sup>, F. Müller<sup>1</sup>, S. Fleischer, S. Noster<sup>1</sup>  
Hamburg, Germany

114. Picosecond Infrared Laser (PIRL) Scalpel – a quantum jump towards trauma-free cutting in phonomicrosurgery?  
M. Hess<sup>1</sup>, K. Franjic<sup>2</sup>, F. Müller<sup>1</sup>, W. Wöllmer<sup>3</sup>, L. Ren<sup>2</sup>, P. Krötz<sup>2</sup>, R. J. Dwayne Miller<sup>2</sup>  
Hamburg, Germany

125. Morphological changes of posterior cricoarytenoid muscles undergoing Functional Electrical Stimulation: CT Gray value changes  
Paolo Gargiulo<sup>1,2</sup>, J. Cheetham<sup>3</sup>, Melissa Kenny<sup>3</sup> and Norm G Ducharme<sup>3</sup>  
New York, USA

98. Age-related changes in the thyroid cartilage and inner perichondrium  
M. Sawatsubashi<sup>1</sup>, T. Umezaki<sup>1</sup>, O. Tokunaga<sup>2</sup>, S. Komune<sup>1</sup>  
Fukuoka and Saga, Japan

10.30-10.50  
**Nordia**

**Poster tour 2**

Guided byTaru Ilmarinen

91. Widespread motor function of the superior laryngeal nerve in pigs.  
J Hydman<sup>1,3</sup>, G Björck<sup>1</sup>, G Margolin<sup>1</sup>, G Måbäck<sup>2</sup>, J Persson<sup>2</sup>, P Mattsson<sup>3</sup>  
Stockholm, Sweden

69. Advantages of a curved rigid laryngoscope following the natural upper airway form  
S. Noster<sup>1</sup>, S. Fleischer<sup>1</sup>, J.M. De Cesare<sup>2</sup>, M. Hess<sup>1</sup>  
<sup>1</sup>Hamburg, Germany, <sup>2</sup> Florence, Italy

19. Larynx state in patients with chronic polypous rhinosinusitis  
I.B. Angotoeva, A.V. Kurlova  
Moscow, Russia

78. Diagnostic laryngoscopy findings compared to trans-operative laryngeal microsurgery  
G. Catani<sup>1</sup>, E. D. Macedo Filho<sup>1</sup>, J. Ido Filho<sup>1</sup>, J. Riccio<sup>2</sup>  
Curitiba, Brazil,

35. Assessment of laryngoscopy findings in 620 patients undergoing laryngeal microsurgery in Paraná Hospital of Otorhinolaryngology  
G. Catani<sup>1</sup>, E. D. Macedo Filho<sup>1</sup>, J. Ido Filho<sup>1</sup>, L. G. Patrial<sup>2</sup>, M. T. Ramos de Oliveira<sup>2</sup>, C. Macedo<sup>3</sup>  
Curitiba, Brazil

5. Laryngeal Findings in Patients with Paradoxical Vocal Fold Motion  
Thomas Murry<sup>1</sup>, Sabrina Cukier-Blaj<sup>2</sup>  
<sup>1</sup> New York, USA, <sup>2</sup>Rio De Janeiro, Brazil

11.00-13.00  
**Fennia 1**

**Laryngeal imaging**

Chair Giorgio Peretti, Genoa, Italy  
Moderator Antti Mäkitie, Helsinki, Finland

11.00-11.20 Key note speaker  
High definition close up laryngoscopy and videokymography  
Guillermo Campos  
Bogota, Columbia

11.20-11.40 Key note speaker  
High speed digital laryngeal imaging - current status  
Andrew McWhorter  
New Orleans, USA

11.40-11.55 CT imaging in the follow up of laryngeal cancer patients after partial resection  
Dominique Chevalier  
Lille, France

11.55-12.05 High frequency endoscopic ultrasound in larynx  
Christoph Arens  
Magdeburg, Germany

- 12.05-12.20 Visualisation of vessels in laryngeal tumours  
Mario Andrea  
Lisbon, Portugal
- 12.20-12.30 FP 88  
High definition in laryngeal imaging  
J. Thomas  
Portland, Oregon, USA
- 12.30-12.40 FP 93  
Application of a new variable-view rigid endoscope during microlaryngoscopy: a pilot study  
Christoph Arens  
Magdeburg, Germany
- 12.40-12.50 FP 117  
Narrow-band imaging in the early detection of laryngeal cancer: a prospective study  
A. de Vito, C.Vicini  
Forlì, Italy
- 11.00-13.00  
**Fennia 2** **HPV – back to basics**  
Chair Frederik Dikkers, Groningen, The Netherlands  
Moderator Leena-Maija Aaltonen, Helsinki, Finland
- 11.00-11.30 Key note speaker  
How do we get HPV in our larynx?  
Stina Syrjänen  
Turku, Finland
- 11.30-12.00 Key note speaker  
Prevention of HPV infection in upper respiratory tract - the role of HPV vaccination  
Lutz Gissmann  
Heidelberg, Germany
- 12.00-12.10 FP 138  
Low expression of Toll-like receptor 4 in laryngeal papillomas with malignant transformation  
T. Ilmarinen, J. Hagström, E. Auvinen, C. Haglund, H. Joensuu, A. Pitkäranta, L-M. Aaltonen  
Helsinki, Finland
- 12.10-12.20 FP 64  
Integration of HPV6 marks malignant transformation in a patient with juvenile onset laryngeal papillomatosis  
C.Wittekindt, C.U.Huebbers, S.F. Preuss, J.P. Klussmann, E.J. Speel  
Giessen and Cologne, Germany
- 12.20-13.00 Round table: Do we need specific HPV diagnostics?  
Moderator: Leena-Maija Aaltonen, Helsinki, Finland  
Eeva Auvinen, Helsinki, Finland  
Frederik Dikkers, Groningen, The Netherlands  
Lutz Gissmann, Heidelberg, Germany  
Pekka Nieminen, Helsinki, Finland  
Stina Syrjänen, Turku, Finland
- 11.10 -13.00  
**Baltica** **Research forum**  
**Treatment of advanced laryngeal carcinoma**  
Chair Hans Eckel, Klagenfurt, Austria
- 11.10-11.20 FP 44  
Contrast agent enhancement in ex vivo flat-panel based computed tomography of locally advanced laryngeal cancer  
T. Kroll, C. Wittekindt, M. Obert, S. Sharma, T. Dreyer, J. P. Klussmann  
Giessen, Germany
- 11.20-11.30 FP 29  
Carotid stenosis after cervical radiotherapy for laryngeal malignancies  
M. de Vincentiis, A. Gallo, C. Marinelli, G.F. Macri, A. De Virgilio, A. Greco  
Rome, Italy
- 11.30-11.40 FP 34  
Functional outcomes after transoral laser surgery for intermediate stage glottic cancer  
G. Peretti, F. Del Bon, C. Piazza, S. Mangili, D. Barbieri, P. Grazioli, P. Nicolai  
Brescia and Genoa, Italy
- 11.40-11.50 FP 37  
Comparison between total laryngectomy and surgical (cricohyoidopexy) and non surgical organ preservation modalities in advanced laryngeal cancer. A multicentric retrospective analysis.  
F. Bussu , G. Paludetti , G. Almadori, A. De Virgilio, J. Galli, A. Gallo, A. Greco, V. Valentini , M. Tombolini, M. de Vincentiis  
Rome, Italy

11.50-12.00	<p>FP 27 The oncologic radicality of supracricoid partial laryngectomy with cricohyoidopexy in the treatment of advanced N0-N1 laryngeal squamous cell carcinoma M. de Vincentiis, M. Fusconi, A. Gallo, A. Greco, M. Conte, S. Alessi, M. Tombolini, <u>A. De Virgilio</u> Rome, Italy</p>
12.00-12.10	<p>FP 57 Advanced laryngeal carcinoma: organ preservation protocol <u>M. Peixoto</u>, F. Branquinho, E. Portugal, A. Guimarães, R. Silva, S. Gonçalves, L. Khouri Coimbra, Portugal</p>
12.20-12.30	<p>FP 92 Modified surgical technique of total laryngectomy <u>P. Spiric</u>, S. Spiric, M. Gnjatic, V. Vojnovic, Z. Markic Banja Luka, Bosnia and Herzegovina</p>
12.30-12.40	<p>FP 123 Outcome and predictors of outcome in patients that have recurrent laryngeal cancer undergoing salvage laryngectomy V.Dhar, I.Nion, T.F. Pezier, A.Joshi, T.Guerrero-Urbano, R. Oakley, J.P Jeannon, <u>R.Simo</u> London, UK</p>
13.00-14.00	<p><b>Lunch, posters and exhibition</b></p>
13.30-13.50 <b>Nordia</b>	<p><b>Poster tour 3</b> Guided by Markus Hess</p> <p>15. Fiberoptic Nasolaryngoscopy in the Paediatric Population – a successful examination tool in the specialist Voice Clinic <u>B. Dhillon</u><sup>1</sup>, P. H. Jones<sup>2</sup>, S. M. Jones<sup>3</sup> United Kingdom</p> <p>17. Tricks and tips from voice professionals <u>M. Peixoto</u><sup>1</sup>, R Henriques<sup>2</sup>, P Teixeira<sup>3</sup>, J Bastos<sup>1</sup>, C Ribeiro<sup>1</sup> <sup>1</sup>Centro Coimbra, Portugal, <sup>2</sup> Feira, Portugal, <sup>3</sup>Porto, Portugal</p> <p>45. Vocal cord injections– our experience in Hradec Kralove, Czech Republic <u>J. Drsata</u><sup>1</sup>, M. Hudikova<sup>1</sup>, M. Kucera<sup>2</sup> Czech Republic.</p> <p>51. Defining The Human Voice - I: The Voice Specialist's Perspective <u>H. Oguz</u><sup>1</sup>, S. Ozcan<sup>1</sup>, M.A. Safak<sup>1</sup>, S. Akbulut<sup>2</sup>, I. Denizoglu<sup>3</sup>, D. Ekinci<sup>4</sup>, A.M. Toreyin<sup>5</sup>, R. Hashimli<sup>6</sup>, O. Akgun<sup>7</sup>, D. Canatan<sup>8</sup>, E. Tadihan<sup>9</sup>, A. Ozdek<sup>10</sup>, S. Felek<sup>1</sup>, I. Haberal<sup>1</sup>, S. Yilmaz<sup>11</sup>, S. Kargin<sup>1</sup>, M.A. Kilic<sup>12</sup> And G. Dursun<sup>13</sup> Turkey</p> <p>50. Defining The Human Voice - II: The Patient's Perspective <u>H. Oguz</u><sup>1</sup>, S. Ozcan<sup>1</sup>, A. Islam<sup>1</sup> and M. Demirci<sup>1</sup> <sup>1</sup>Ankara, Turkey</p>
13.30-13.50 <b>Nordia</b>	<p><b>Poster tour 4</b> Guided by Aaro Haapaniemi</p> <p>83. Phoniatic rehabilitation in a patient with laryngeal tremor <u>Perederco C</u>, Mella C Bucharest, Romania</p> <p>30. Elongated Carotid System as a cause of Pharyngeal Dysphagia <u>D. Herrero Calvo</u>, E. Gil-Carcedo Sañudo, M. Madrigal Revuelta, OM. Zegarra Molina, LM. Gil-Carcedo García Valladolid, Spain.</p> <p>77. Impact of phoniatic rehabilitation on quality of life of patients suffering from neurogenic larynx paralysis <u>Gnjatic M</u>, Spiric P, Spiric S, Travar D, Matavulj L, Rudulovic D Banjaluka, Bosnia and Herzegovina</p> <p>82. Effects of allergy on voice <u>Z. Aleric</u>, V. Bauer Karlovac, Croatia</p> <p>95. Endolaryngeal microsurgery using 3D videolaryngoscopy <u>T. Umezaki</u><sup>1</sup>, K. Adachi, N Matsumoto, M. Sawatsubashi, S. Komune, K. Ohuchida<sup>2</sup>, M. Hshizume<sup>2</sup> Fukuoka, Japan</p> <p>12. The assessment of p16INK4a (p16) expression in glottic laryngeal cancer <u>D. Kalfert</u><sup>1</sup>, J. Laco<sup>2</sup>, M. Ludvikova<sup>3</sup>, P. Celakovsky<sup>1</sup>, J. Vokurka<sup>4</sup> Prague, Czech republic</p>
14.00-15.30 <b>Fennia 1</b>	<p><b>Future laryngology</b></p>

Chair Ferhan Öz, Istanbul, Turkey  
Moderator Petri Koivunen, Oulu, Finland

- 14.00-14.20 Tissue engineered airway  
Paolo Macchiarini  
Stockholm, Sweden
- 14.20-14.40 Laryngeal transplantation  
Jean Paul Marie  
Ruen, France
- 14.40-14.55 What can your stem cells do for your vocal folds?  
Markus Gugatschka  
Graz, Austria
- 14.55-15.10 Coblation in larynx  
Michael Benninger  
Cleveland, USA
- 15.10-15.20 FP 133  
Innovations in robot-assisted laser laryngeal microsurgery  
L. Mattos, G. Dagnino, D. Caldwell, L. Guastini, F. Mora, G. Peretti  
Genoa, Italy
- 15.20-15.30 FP 20  
Tracheal replacement using patient-specific multi-layer injection molding  
J. Cheetham, B. Brown, M. Martin, B. Hoffman, L. Bonassar, C. Hokanson  
Ithaca, NY. USA
- 14.00-15.30  
**Fennia 2** **HPV in the larynx – Get ready for an update!**  
Current trends of laryngeal papilloma treatment  
Chair Eva Munck-Wikland, Stockholm, Sweden  
Moderator Taru Ilmarinen, Helsinki, Finland
- 14.00-14.30 Key note speaker  
Treatment of recurrent respiratory papillomatosis  
Frederik Dikkers  
Groningen, The Netherlands
- 14.30-14.40 FP 59  
Can HPV vaccination influence the disease course in patients with laryngeal papillomatosis?  
I. Hocevar-Boltezar, M. Sereg-Bahar, N. Gale, M. Poljak, M. Maticic, M. Zargi  
Ljubljana, Slovenia
- 14.40-14.50 FP 47  
Safety of intralesional cidofovir in patients with recurrent respiratory papillomatosis – an international retrospective study on 595 patients  
R.E.A. Tjon Pian Gi, E.R. van den Heuvel, L.M. Aaltonen, J. Andersen, J.W. Brunings, M. Chirila, A. Dietz, F. Ferran Vilà, G. Friedrich, H.H.W de Gier, W. Golusinski, J. Goumans, M. Graupp, A. Hantzakos, R. Horcasitas, T. Ilmarinen, J.C. Koelmel, G. Lawson, F. Lindner, Å. Møller-Grøntved, M. Remacle, C.Sittel, V. Weichbold, F.G. Dikkers
- 14.50-15.00 FP 103  
The histological and molecular assesment of vocal fold subepithelial layer in patients with RRP after cidofovir treatment  
M.Wierzbicka, J. Jackowska, A. Marszałek, W. Szyfter  
Poznan, Poland
- 15.00-15.10 FP 48  
NBI is a new technique in visualization of recurrent respiratory papillomatosis  
R.E.A. Tjon Pian Gi, MD; G.B. Halmos, MD, PhD; B.M. van Hemel, MD; E.R. van den Heuvel, MSc, PhD; B.F.A.M. van der Laan, MD, PhD; B. E.C. Plaat, MD, PhD; F.G. Dikkers, MD, PhD  
Groningen, The Netherlands
- 15.10-15.30 Round table: International perspective on RRP treatment and prevention  
Moderator: Taru Ilmarinen, Helsinki, Finland  
Leena-Maija Aaltonen, Helsinki, Finland  
Frederik Dikkers, Groningen, The Netherlands  
Anastasios Hantzakos, Athens, Greece  
Irena Hocevar-Boltezar, Ljubljana, Slovenia
- 14.00-15.00  
**Baltica** **Research forum**  
**Epidemiology and endoscopic treatment of laryngeal carcinoma**  
Chair Andreas Dietz, Leipzig, Germany
- 14.10-14.20 FP 128  
Laryngeal cancer in Finland during 2001-2005 – a University Hospital review of 366 cases

- 14.20-14.30 FP 89  
Endoscopic laser resection of early laryngeal cancer  
M. Csanády, J. Czigner, D. Pálkó, L. Rovó  
Szeged, Hungary
- 14.40-14.50 FP 113  
Results of CO2 laser treatment of early-stage glottic cancer  
E. Osuch-Wójcikiewicz, A. Bruzgielewicz, A. Rzepakowska, K. Niemczyk, A. Domeracka-Kołodziej  
Warsaw, Poland
- 14.50-15.00 FP 67  
Glottic and supraglottic carcinomas (stage T1-T2-T3) treated with transoral microelectrode surgery  
J. Basterra, R. Rebol, E. Zapater  
Valencia, Spain
- 14.00-15.25  
**Nordia** **Inducible Laryngeal Obstructions**  
Chair Petra Pietarinen, moderator John-Helge Heimdal
- 14.00-14.10 Key aspects of Inducible Laryngeal Obstructions (ILO)  
John-Helge Heimdal  
Bergen, Norway
- 14.10-14.20 Nomenclature confusion and suggestions for a consensus  
Pernille Christensen  
Copenhagen, Denmark
- 14.20-14.35 Level of evidence in current literature  
Pernille Christensen  
Copenhagen, Denmark
- 14.35-14.50 Different trigger mechanisms; the non-exercise ILO.  
Giovanna Cantarella  
Milano, Italy
- 15.00-15.10 Examination and treatment of exercise ILO - can recommendations be based on current knowledge?  
Robert Maat  
Hardenberg, the Netherlands
- 15.00-15.10 FP 137  
Infection induced ILO in a male conscript  
S. Iljukov, L. Tapiovaara, M. Söderlund-Venermo, K. Hedman, P. Pietarinen, L-M. Aaltonen  
Helsinki, Finland
- 15.10-15.25 Round table: ILO  
Moderator: John-Helge Heimdal, Bergen, Norway  
Giovanna Cantarella, Milano, Italy  
Pernille Christensen, Copenhagen, Denmark  
Robert Maat, Hardenberg, the Netherlands
- 15.30-16.15 **Coffee, posters and exhibition**
- 15.45-16.05  
**Nordia** **Poster tour 5**  
Guided by Christian Sittel
23. Functional outcome following tracheoplasty with montgomery t tube stenting in laryngotracheal stenosis – a retrospective study  
S. Mohanty<sup>1</sup>, J. Samuel<sup>2</sup>, G. Maraignanam<sup>3</sup>  
Chennai, India
24. Long term results of partial laryngectomies in patients suffering from laryngeal cancer  
G. Namysłowski, M. Kardasz-Ziomek, W. Ścierański, J. Pilch  
Zabrze, Poland
25. Laryngeal cancer patients at the Karolinska University Hospital between 2000 and 2007.  
B. Palmgren<sup>1</sup>, G. Björck<sup>1</sup>  
Stockholm, Sweden
129. Endoscopic arytenoid lateropexy - Revision surgery after glottis enlarging procedures with unsatisfactory results  
L. Rovó, L. Szakács, S. Madani, B. Sztanó  
Szeged, Hungary

15.45-16.05  
**Nordia**

**Poster tour 6**

Guided by Mervi Närkiö

16. Concurrent intra-arterial chemotherapy and radiotherapy for advanced laryngeal cancer  
T. Yoshizaki, S. Murono, N. Wakisaka, S. Kondo, K. Endo  
Kanazawa, Japan

18. Five cases treated by a central part laryngectomy for intractable aspiration  
A. Kawamoto<sup>1</sup>, Y. Katori<sup>1</sup>, M. Ogura<sup>1</sup>, Y. Honkura<sup>1</sup>, K. Higashi<sup>2</sup>, Y. Hori<sup>1</sup>, R. Kakuta<sup>2</sup>, T. Kobayashi<sup>2</sup>  
Sendai<sup>1</sup> and Tohoku<sup>2</sup>, Japan

55. Transoral KTP laser surgery for T1a glottic carcinoma  
S. Murono, T. Yoshizaki  
Kanazawa, Japan

63. Juvenile rhabdomyoma of the larynx: a rare pathological finding  
Sharma S.J.<sup>1</sup>, Kreisel M.<sup>2</sup>, Kroll T.<sup>1</sup>, Wittekindt C.<sup>1</sup>, Gattenloehner, S.<sup>2</sup>, Klußmann J.P.<sup>1</sup>  
Giessen, Germany

119. Highly malignant type of sarcoma of larynx soft tissue.  
A.G. Jover, A. Lopez, V. Rubio, R. Navas, J. Carreres, M. Arroyo.  
Alicante, Spain.

16.15-17.45  
**Fennia 1**

**Professional voice**

Chair Philippe Dejonckere, Utrecht, The Netherlands  
Moderator Eeva Sala, Turku, Finland

16.15-16.35 Occupational voice disorders and voice ergonomics and long-term voice registration during work  
Maria Södersten  
Stockholm, Sweden

16.35-16.50 Voice ergonomics, part of the treatment  
Eeva Sala  
Turku, Finland

16.50-17.05 Nonsurgical treatment of singer's voice in acute and in long-lasting conditions  
Staffan Moren  
Uppsala, Sweden

17.05-17.20 Surgical treatment of singer's voice - special cases  
Stellan Hertegård,  
Stockholm, Sweden

17.20-17.30 FP 9  
The epidemiology of voice disorders in the population of teachers of Latvia  
Baiba Trinite, Janis Sokolovs  
Riga, Latvia

16.15-17.45  
**Fennia 2**

**Managing the glottal gap: tips for patient selection and tricks of practical handicraft**

Chair Gerhard Friedrich, Graz, Austria  
Moderator Petri Reijonen, Lahti, Finland

16.15-16.35 In-office injections: commercial injectables  
Milan Amin, sponsored by Merz Company  
New York, USA

16.35-16.55 Autologous materials  
Petri Reijonen  
Lahti, Finland

16.55-17.15 Thyroplasty and arytenoid adduction  
Gerhard Friedrich  
Graz, Austria

17.15 -17.25 FP 84  
Long term result of vocal fold fat injection  
G.Cantarella, G.Baracca, E.Iofrida, L.Pignataro, R.F.Mazzola  
Milan, Italy

17.25-17.45 Round table: Problems related to different techniques; complications, errors and how to avoid them.  
Moderator: Petri Reijonen, Lahti, Finland  
Milan Amin, New York, USA  
Gregory Postma (sponsored by Merz), Orlando, USA

Gerhard Friedrich, Graz, Austria  
Heikki Rihkanen, Helsinki, Finland  
Guillermo Campos, Bogota, Columbia

16.15-17.45  
**Baltica**

**Research forum**  
**Non-epithelial laryngeal neoplasms and postlaryngectomy voice**  
Chair Ricard Simo, London, UK

16.15-16.25

FP 110  
Non-epithelial neoplasms of larynx and hypopharynx – epidemiologic and diagnostic evaluation  
A. Rzepakowska, E. Osuch-Wójcikiewicz  
Warsaw, Poland

16.25-16.35

FP 33  
Organ preservation surgery for laryngeal low- and intermediate grade chondrosarcoma  
C. Piazza, F. Del Bon, S. Mangili, P. Grazioli, D. Barbieri, P. Nicolai, G. Peretti  
Brescia and Genoa, Italy

16.35-16.45

FP 28  
Total cricoidectomy in the treatment of laryngeal chondrosarcomas  
M. de Vincentiis, A. Greco, M. Fusconi, G. Pagliuca, S. Martellucci, A. De Virgilio, A. Gallo.  
Rome, Italy

16.45-16.55

FP 43  
Periodontal pathogens in the biofilm formation on voice prostheses  
K. Bertl, B. Zatorska, M. Leonhard, M. Matejka, B. Schneider-Stickler  
Vienna, Austria

17.00-17.10

FP 53  
Our experience with voice prostheses insertion after total laryngectomy  
M. Bilić, J. Lukinović, D. Prgomet, L. Kovač-Bilić  
Zagreb, Croatia

17.10-17.20

FP 115  
Postlaryngectomy Voice Rehabilitation: 15 years of experience in 218 patients  
A.R. Nobre, F. Branquinho, E. Portugal, A. Guimarães  
Coimbra, Portugal

**18.00-19.30**

**Helsinki City Reception in the City Hall**  
Pohjoisesplanadi 11-13



## **Friday June 15, 2012**

8.30-10.30

### **Fennia 1**

#### **Examination of swallowing - choice of test battery**

Chair Petros Karkos, Bradford, UK

Moderator Petra Pietarinen, Helsinki, Finland

8.30-9.00

Key note speaker

TNO or TNE. What in the world is that? Interpretation and indications.

Gregory Postma

Orlando, USA

9.00-9.20

Key note speaker

How to evaluate patient history – do questionnaires help?

Virginie Woisard

Toulouse, France

9.20-9.35

FEES

Mari Markkanen-Leppänen

Helsinki, Finland

9.35-9.55

Key note speaker

A new model for objective assessment of pharyngoesophageal function in patients with dysphagia

Nathalie Rommel

Leuven, Belgium

9.55-10.05

FP 132

Globus diagnostics - is there a role for transnasal esophagoscopy?

P. Nevalainen, P. Arkkila, M. Walamies, P. Räsänen, R.P. Roine, A. Aherto, L-M. Aaltonen

Helsinki, Finland

10.05-10.30

Round table: Globus pharyngeus: what to do?

Moderator: Petra Pietarinen, Helsinki, Finland

Petros Karkos, Bradford, UK

Mari Markkanen-Leppänen, Helsinki, Finland

Gregory Postma, Orlando, USA

Nathalie Rommel, Leuven, Belgium

8.30-10.30

### **Fennia 2**

#### **Pediatric laryngology**

Chair Anne Pitkäranta, Helsinki, Finland

Moderator Christian Sittel, Stuttgart, Germany

8.30-8.45

Recurrent respiratory papillomatosis. Cidofovir in children.

Marc Pellicer Sarasa, Barcelona, Spain

8.45-9.00

Suprastomal collapse preventing decannulation

Omer Faruk Unal, Istanbul, Turkey

9.00-9.15

Balloon dilatation for subglottic stenosis – can it replace open reconstruction?

Ian Jacobs

Philadelphia, USA

9.15-9.30

Congenital subglottic stenosis – intubate, balloon or operate?

Christian Sittel

Stuttgart, Germany

9.30-9.40

FP 121

Outcomes of early infancy laryngeal reconstruction on health- and voice-related quality of life

A. Geneid, N. Pakkasjärvi, A. Aherto, R. Roine, H. Sintonen, H. Lindahl, A. Pitkäranta

Helsinki, Finland

9.40-9.50

FP 130

Endoscopic arytenoid lateropexy for the treatment of bilateral vocal cord immobility – pediatric cases

B. Sztanó, L. Szakács, S. Madani, V. Majoros, L. Rovó

Szeged, Hungary

9.50-10.00

FP 86

Laryngeal ultrasound - a diagnostic tool for evaluation of the vocal cord motion - a pilot study of synchronous videolaryngoscopy and neck ultrasound in pediatric otolaryngology

K. Klinge, A. Mueller

Gera, Germany

10.00-10.30

Round table: Children are different. Questions and comments.

Moderator: Christian Sittel, Stuttgart, Germany

Ian Jacobs, Philadelphia, USA

Anne Pitkäranta, Helsinki, Finland

- 8.00-8.50  
**Nordia**      **Research forum**  
**Neurolaryngology**  
Chair Gayle Woodson, Illinois, USA
- 8.00-8.10      FP 100  
Ultrasonographic detection of intrinsic laryngeal muscle atrophy in the diagnosis of recurrent laryngeal neuropathy in horses  
HJ Chalmers, AE Yeager, J Cheetham, L Viel, J Caswell, NG Ducharme  
Guelph, Canada and Ithaca, NY. USA
- 8.10-8.20      FP 80  
Non-invasive techniques to determine geometry and function of the posterior cricoarytenoid muscle  
J.Cheetham, M. Kenny, M.Maher, J.J. Rawlinson, L.M. Mitchell, L.V.Soderholm, .G.Ducharme  
Ithaca, NY, USA
- 8.20-8.30      FP 106  
Transoesophageal stimulation in the differential diagnosis of posterior cricoarytenoid and thyroarytenoid muscle paralysis  
W. Harnisch, R. Hagen  
Würzburg, Germany
- 8.30-8.40      FP 102  
Transcriptional analysis of skeletal muscle during tetrodotoxin nerve block and recovery of activity  
A.G. Fisher, J.M. Coulson and J.C. Jarvis  
Liverpool, UK
- 8.40-8.50      FP 97  
Laryngeal pacemaker – acute and chronic minimal invasive electrode implantations in pig larynx  
G. Förster, H. Schubert, D. Arnold, H-C. Scholle, A. Müller  
Gera and Jena, Germany
- 9.00-10.30  
**Nordia**      **Laryngeal paralysis and therapy**  
Organized in collaboration with Med-EI  
Moderator Andreas Müller
- 9.00 – 9.30      Experience with neuroprosthesis for treatment of laryngeal hemiplegia/hemiparesis in horses  
Norm G Ducharme  
Ithaca, NY, USA
- 9.30 -10.00      Surgical therapy of bilateral vocal fold paralysis: The German-Austrian-standard therapy      study  
Orlando Guntinas-Lichius  
Jena, Germany
- 10.00-10.10      Phoniatric aspects within the standard therapy study  
Thadeus Nawka  
Berlin, Germany
- 10.10-10.20      Predictive value of laryngeal EMG and stimulation  
Claus Pototschnig, Innsbruck, Austria
- 10.20-10.30      FP 136  
Effect of function electrical stimulation on reinnervation in a preclinical laryngeal model  
J. Cheetham, J.C. Jarvis, M. Cercone, L.V. Soderholm , L.M. Mitchell, M. Sledziona,  
N.G. Ducharme  
Ithaca, NY, USA and Liverpool, UK
- 10.30      **Coffee, posters and exhibition**
- 11.00-11.45  
**Fennia 1**      **Laryngopharyngeal reflux revisited**  
Chair Anastasios Hantzakos, Athens, Greece  
Moderator Heikki Rihkanen, Helsinki, Finland
- 11.00-11.15      How to make a correct diagnose of laryngopharyngeal reflux?  
Petros Karkos  
Bradford, UK
- 11.15-11.30      The role of PPI medication  
Pieter Noordzij  
Boston, USA
- 11.30-11.40      FP 94  
The role of gastroesophageal reflux in pathogenesis of benign and malignant laryngeal lesions  
M. Sereg-Bahar, A. Jerin, I. Hocevar-Boltezar

12.00-13.00

**Fennia 1**

**Report of ELS Scientific Committees and Working groups**

Frederik Dikkers, Heikki Rihkanen

Abstract 126

Occupational cancer of the larynx: a review

P.H. Dejonckere<sup>1,2</sup>, I LeRoux<sup>2</sup>

Brussels, Belgium.

11.00-13.00

**Fennia 2**

**Early glottic carcinoma – the best treatment options**

Chair Reidar Grénman, Turku, Finland

Moderator Leena-Maija Aaltonen, Helsinki, Finland

11.00-11.30

Key note speaker

Precancerous lesions. All are not treated equally.

Michael Benninger

Cleveland, USA

11.30-12.00

Key note speaker

Laryngeal carcinoma - the era of endoscopic laser surgery

Petra Ambrosch

Kiel, Germany

12.00-12.20

Radiation therapy of early glottic carcinoma

Vesa Kataja

Kuopio, Finland

12.20-12.30

FP 134

Quality of voice after T1a laryngeal carcinoma treatment: a prospective randomized study of patients treated with endoscopic laser surgery or radiotherapy

L-M. Aaltonen, N. Rautiainen, J. Sellman, K. Saarilahti, A. Mäkitie, H. Rihkanen, J. Laranne, T. Wigren, L. Kleemola, E. Sala, P. Lindholm, R. Grenman, H. Joensuu

Helsinki, Finland

12.30-12.40

FP 32

Transoral laser surgery for recurrent glottic cancer after radiotherapy: oncologic and functional outcomes

F. Del Bon, C. Piazza, S. Mangili, P. Nicolai, G. Peretti

Brescia and Genoa, Italy

12.40-13.00

Quality of life after treatment of early glottic carcinoma

Lise Buchman

Paris, France

**11-13.00**

**Nordia**

**Neurolaryngology. State of the art.**

Organized in collaboration with Med-EI

Moderator Gayle Woodson, Illinois, USA

11.00-11.30

Conditioning muscle with electrical stimulation to promote muscle strength and endurance

Tessa Gordon

Toronto, Canada

11.30-12.00

Management of synkinesis after recurrent laryngeal nerve injury

Gayle Woodson

Illinois, USA

12.00-12.10

FP 109

EMG-guided injection of Xeomin® in a case of therapy-resistant adductor spasmodic dysphonia

G. F. Volk, M. Finkensieper O. Guntinas-Lichius

Jena, Germany

12:10-13:00

Instructional course: Laryngeal EMG

Laryngeal EMG: extended diagnostic: PCA-EMG different techniques. European and North American consensus on classification, criteria, techniques and equipment

Claus Pototschnig, Orlando Guntinas-Lichius, Gerhard Förster, Fabian Volk

13.00-14.00

**Lunch, posters, exhibition**

13.30-13.50

**Nordia**

**Poster tour 7**

Guided by Antti Mäkitie

70. Prognostic markers for stage I oral squamous cell carcinoma  
Dunkel J<sup>1</sup>, Kinnunen I<sup>2</sup>, Grénman R<sup>2</sup> and Irjala H<sup>1,2</sup>  
Turku, Finland

71. Acquired form of angioedema in the head and neck related to the a deficiency in CI inhibitor  
B. Hallak, F. Lang, P. Konu, C. Simon, P. Monnier  
Lausanne, Switzerland

74. Biofilm – an important differential diagnosis in vocal fold leukoplakia ?  
S. Fleischer<sup>1</sup>, S. Noster<sup>1</sup>, J. De Cesare<sup>2</sup>, M. Hess<sup>1</sup>  
<sup>1</sup>Hamburg, Germany, <sup>2</sup>Firenze, Florence, Italy

90. Long-term candida biofilm colonization of medical grade silicone of different surface roughness  
M.Leonhard<sup>1</sup>, B. Zatorska<sup>1</sup>, D. Moser<sup>2</sup>, B. Schneider-Stickler<sup>1</sup>  
Vienna, Austria

75. Bilateral vocal cord and phrenic nerve paresis as an unusual manifestation of neuralgic amyotrophy  
D. Deuster<sup>1</sup>, F. Holtbernd<sup>2</sup>, T. Duning<sup>2</sup>, A. Kemmling<sup>3</sup>, E.B. Ringelstein<sup>2</sup>, A. am Zehnhoff-Dinnesen  
Muenster, Germany

85. Laryngeal amyloidosis: a rare cause of dysphonia and respiratory obstruction  
G.Cantarella, G.Baracca, E.Iofrida, A. Brevi, L.Pignataro  
Milan, Italy

131. Laser Interstitial Thermo Therapy (LITT) in Laryngeal Papillomas Treatment  
S.Karpischenko  
St. Petersburg, Russia

13.30-13.50  
**Nordia**

**Poster tour 8**  
Guided by Petri Koivunen

68. Non-Hodgkin lymphoma of the larynx - case report  
Z. Novakovic<sup>1</sup>, D. Travar<sup>1</sup>, S. Spremo<sup>1</sup>, D. Vranjes<sup>1</sup>, A. Aleksic<sup>1</sup>, N. Guzina-Golac<sup>1</sup>, J. Mirjanic<sup>2</sup>  
Banjaluka, Bosnia and Herzegovina

120. A new algorithm for the management of the emergency airway in the presence of advanced neoplastic disease.  
Gibbins N<sup>1</sup>, Friis J<sup>2</sup>, Edmond H<sup>1</sup>, Hall A<sup>1</sup>, Oakley R<sup>1</sup>, Simo R<sup>1</sup>, Jeannon JP<sup>1</sup>, Ahmad I<sup>2</sup>.  
London, UK.

12.The assessment of p16INK4a (p16) expression in glottic laryngeal cancer  
D. Kalfert<sup>1</sup>, J. Laco<sup>2</sup>, M. Ludvikova<sup>3</sup>, P. Celakovsky<sup>1</sup>, J. Vokurka<sup>4</sup>  
Prague, Czech republic

21. Mucocutaneous Leishmaniasis: a case report of a Swedish patient with laryngeal, nasal and pharyngeal mucosa involvement  
E Marsk, G Björck  
Stockholm, Sweden

41. Dysphonia – the single symptom of rifampicin resistant laryngeal tuberculosis. Case report  
I. Paulauskiene, V. Trumpauskaite  
Vilnius, Lithuania

105. Isolated supraglottic stenosis in plasma cell mucositis  
J.M. De Cesare<sup>1</sup>, S. Noster<sup>2</sup>, S. Fleischer<sup>2</sup>, M. Hess<sup>2</sup>  
<sup>1</sup> Florence, Italy, <sup>2</sup> Hamburg, Germany

14.00-16.00  
**Fennia 1**

**Phonosurgery: Surgical alteration of male-to-female transgender voice**  
Chair Heikki Rihkanen, Helsinki, Finland  
Moderator Teemu Kinnari, Helsinki, Finland

14.00-14.20 Endoscopic glottoplasty. Technique and results.  
Heikki Rihkanen and Ahmed Geneid  
Helsinki, Finland

14.20-14.40 Crico-thyroidal approximation  
Kerstin Hoffmann  
Weimar, Germany

14.40-15.00 Feminization laryngoplasty, a structural approach to altering pitch and resonance in the transgender female  
James P. Thomas  
Portland, Oregon, USA

15.30-16.00 Round table: The long term effects of glottoplasty

Moderator: Teemu Kinnari, Helsinki, Finland  
Ahmed Geneid, Helsinki Finland  
Kerstin Hoffmann, Weimar, Germany  
James P.Thomas, Portland, USA

14.00-16.00

**Fennia 2**

**Surgery in oropharyngeal dysphagia**

Chair Ferhan Öz, Istanbul, Turkey  
Moderator Antti Mäkitie, Helsinki, Finland

14.00-14.20

Zencer's diverticulum: Surgical treatment and results  
Sandro Stoeckli  
St. Gallen, Switzerland

14.20-14.40

Endoscopic resection of the cricopharyngeus muscle  
Marc Remacle  
Louvain, Belgium

14.40-14.50

FP 62  
Safety & efficacy of endoscopic CO<sub>2</sub> laser cricopharyngeal myotomy  
C.Kirton , D.Vokes  
Auckland, New Zealand

14.50-15.00

FP 36  
Larynx suspension - a surgical treatment option for posttraumatic aphagia  
Schroeder, U., Boescke, R. , Hoffmann, A.S., Schoenweiler, R. , Wollenberg, B.  
Lübeck, Germany

15.00-15.10

FP 13  
A new surgical procedure of less invasive laryngectomy for treating intractable aspiration: central part laryngectomy  
Y. Katori, A. Kawamoto, M. Ogura Y. Honkura, K. Higashi, Y. Hori, R. Kakuta, T. Kobayashi  
Tohoku, Japan

15.10-15.30

Round table: Alimentation during chemoradiation: PEG vs. NGT  
Moderator:Antti Mäkitie, Helsinki, Finland  
Vesa Kataja, Kuopio, Finland  
Vindh Paleri, Newcastle, UK  
Sandro Stoeckli, St. Gallen, Switzerland

14.00-16.00

**Nordia**

**Towards new frontiers in Neurolaryngology:**

**Laryngeal Pacing, Hypoglossal pacing**

Organized in collaboration with Med-El  
Moderator Claus Pototschnig, Innsbruck, Austria

14.00-15.00

Round table: Laryngeal Pacing and extended Larynx diagnostics (PCA-EMG + PCA-Stimulation)  
Moderator: C. Pototschnig, Innsbruck, Austria  
Norm Ducharme, Ithaca, NY, USA  
Rudolf Hagen, Würzburg, Germany  
Andreas Müller, Gera, Germany

15.00-15.25

Tongue muscle plasticity following hypoglossal nerve stimulation in dysphagia  
Nadine P. Connor  
Wisconsin, USA

15.25-15:50

Laryngeal reinnervation after injury to the recurrent nerve  
Jean Paul Marie  
Rouen, France

15.50-16:00

FP 135  
Detailed aspects of the angioarchitecture and neuroanatomy of the equine larynx -  
new insights using a combination of corrosion casts, Sihler staining and computed tomography (CT)  
Martina Fersterra, Markus Grzybowski, Anne Hirschfeld, Christoph Mülling  
Leipzig, Germany

16.00-16.30

**Coffee, posters and exhibition**

16.30-17.30

**ELS General assembly (for all delegates)**

19.00

**Summer Night Dinner in Archipelago. A Boat Trip.**

The two boats depart the harbour at 19.00  
Restaurant Saaristo  
Casual clothing

23.30

Return by boat 23.15 and 23.45

## **Saturday June 16, 2012**

9.00-10.00

### **Fennia 1**

#### **Chronic laryngitis and precancerous lesions of vocal folds**

Chair Heikki Rihkanen, Helsinki, Finland

Moderator Ågot Grøntved, Odense, Denmark

9.00-9.15

Treatment strategy of chronic laryngitis and precancerous lesions

Roland Rydell

Lund/Malmö, Sweden

9.15-9.30

The follow up strategy

Vinidh Paleri

Newcastle, UK

9.30-10.00

Round table. That is larynx, not a bird nest. How to manage?

Moderator: Ågot Grøntved, Odense, Denmark

Vinidh Paleri, Newcastle, UK

Heikki Rihkanen, Helsinki, Finland

Roland Rydell, Lund/Malmö, Sweden

9.00-10.00

### **Fennia 2**

#### **Do we share common protocols in education and treatment?**

Chair Frederik Dikkers, Groningen, The Netherlands

Moderator Mervi Närkiö, Helsinki, Finland

Questionnaires carried among the ELS members

Interactive discussion with the audience

9.00-10.00

### **Nordia**

#### **Research forum**

##### **Voice under magnification**

Chair Felix De Jong, Leuven, Belgium

9.00-9.10

FP 40

The temporary effect of short-term endotracheal intubation on vocal function

I. Paulauskiene, E. Lesinskas, M. Petrulionis

Vilnius, Lithuania

9.10-9.20

FP 52

The effects of phoniatric therapy on acoustic parameters in patients with vocal nodules

C. Mella, C. Perederco

Bucharest, Romania

9.20-9.30

FP 104

The voice assessment in patients with RRP after cidofovir treatment.

J.Jackowska, W.Wojnowski, M.Wierzbicka, W. Szyfter, P.Świdziński, B.Wiskirska-Woźnica

Poznań, Poland

9.30-9.40

FP 73

Voice assessment in parkinson disease and multiple sclerosis patients

V. Bauer, Z. Aleric, E. Jancic

Karlovac, Croatia

9.40-9.50

FP 99

Videolaryngostroboscopy, perceptive, acoustic and voice handicap self-perceptive evaluation in adult patients with Parkinson's disease

A. de Carvalho Anacleto, R.A. Deditis, M.A. Castro D. Queija, J. Portas, A. Ferreira

São Paulo, Brasil

9.50-10.00

FP127

Progress in automated categorization of normal and pathological voices

V.Uloza, A. Verikas, M.Bačauskienė, A. Gelžinis, R.Pribušienė, M.Kašėta

Kaunas, Lithuania and Halmstad, Sweden

10.15-11.30

### **Fennia 1**

#### **New aspects in evaluation of vocal performance**

Guest session by the Union of the European Phoniaticians

Chair Antoinette am Zehnhoff-Dinnesen, Münster, Germany

Moderator Mari Qvarnström, Kuopio, Finland

10.15-10.30

Tissue scanning in laryngology, aspects for disorders

	Mette Pedersen, Morten Friis, Klaus Quortrup, Copenhagen, Denmark
10.30-10.45	Clinical use of high speed recordings Roland Rydell, Lund/Malmö, Sweden
10.45-11.00	Predictive factors for voice classification Dirk Mürbe, Dresden, Germany
11.00-11.10	FP 61 Using Inverse filtering in detecting inaudible and subtle vocal organ changes A. Geneid, Helsinki, Finland
11.10-11.20	FP 122 A computerised model for voice classification or voice ergonomics F. de Jong, Veghel, The Netherlands
11.20-11.30	FP 112 Usefulness of temperament scale TEMPS-A in psychogenic dysphonia diagnostic process A. Sinkiewicz, A. Borkowska, <u>H. Mackiewicz-Nartowska</u> , B. Wiskirska-Woznica, W. Wojnowski, Bydgoszcz and Poznan, Poland
10.15-11.30 <b>Fennia 2</b>	<b>Laryngeal surgery: Restoring function</b> Chair Miquel Quer, Barcelona, Spain Moderator Heikki Rihkanen, Helsinki, Finland
10.15-10.35	Free buccal mucosal graft. Indications and technique. Gerhard Friedrich Graz, Austria
10.35-10.50	Scarred vocal fold: laser and hyaluronic acid. Marc Remacle Louvain, Belgium
10.50-11.00	FP 79 Exercise induced stridor treated with epiglottoplasty M. Hilland, L. Sandvik, T. Halvorsen, O. Røksund, <u>J.-H. Heimdal</u> Bergen, Norway
11.00-11.10	FP 22 A national quality register for phonosurgery in Sweden <u>G. Björck</u> , S. Skrtic Gothenburg, Sweden
11.10-11.20	FP 31 Change of Voice Handicap Index after treatment of benign laryngeal disorders <u>M. Stuut</u> , R.E.A. Tjon Pian Gi, F.G. Dikkers Groningen, The Netherlands
11.20-11.30	FP 116 Vocal cord injury and hoarseness following general anesthesia: a systematic review. EJ Mendels, JW <u>Brunings</u> , AEW Hamaekers, RJ Stokroos, B. Kremer, LWJ Baijens Maastricht, The Netherlands
10.15-11.10 <b>Nordia</b>	<b>Research forum</b> <b>Managing laryngeal paralysis</b> Chair Teemu Kinnari, Helsinki, Finland
10.15-10.25	FP 42 Endoscopic management of bilateral abductor vocal fold paralysis using KTP-532 laser - a retrospective study <u>Sanjeev Mohanty</u> , John Samuel, Gopinath Maraignanam Chennai, India.
10.25-10.35	FP 60 Vocal fold augmentation with Bioplastique material by indirect phonosurgical treatment under topical anesthesia <u>J. Schlömlcher - Thier</u> , M. Weikert Salzburg, Austria
10.35-10.45	FP 26 Long term voice results of injection with hyaluronic acid-dextranomer in unilateral vocal fold paralysis <u>H. Oguz</u> , M. Demirci, N. Arslan, E. Arslan Ankara, Turkiye
10.45-10.55	FP 56 Complications with VOX-Implants: Is it a problem of the material or the technique? <u>JC Koelme</u> , C Sittel

Stuttgart, Germany

- 10.55-11.05      FP 91  
Widespread motor function of the superior laryngeal nerve in pigs.  
J. Hydman, G Björck, G Margolin, G Måbäck, J Persson, P Mattsson  
Stockholm, Sweden
- 11.30-12.00      Brunch, posters and exhibition  
**Nordia Posters**
- 11.30-12.30  
**Nordia**          **Annual General Assembly of UEP**  
The Union of the European Phoniaticians
- 12.00-13.00  
**Fennia 1**        **ELS Laryngeal cancer follow up consensus document**  
Moderator Ricard Simo, London, UK  
  
Panel discussion on the position paper  
Dominique Chevalier, Lille, France  
Georgio Peretti, Genoa, Italy  
Cesare Piazza, Brescia, Italy  
Miquel Quer, Barcelona, Spain  
Marc Remacle, Louvain, Belgium
- 12.00-13.00  
**Fennia 2**        **Laryngeal hyperreactivity- is there such an entity?**  
Chair Pieter Noordzij, Boston, USA  
Moderator Eeva Sala
- 12.00-12.20      Hyperreactivity in the airways
- 12.20-12.30      Chronic laryngitis caused by neuropathy  
Pieter Noordzij  
Boston, USA
- 12.30-12.40      FP 54  
Botox treatment of laryngeal dyspnoea  
L. Kleemola  
Tampere, Finland
- 12.40-12.50      Superior laryngeal nerve neuropathy  
Marja Koivu  
Turku, Finland
- 12.50-13.00      FP 81  
Exercise-induced laryngeal obstruction (EILO). Diagnostic procedures and therapy.  
R.C. Maat, J.H. Heimdal  
Hardenberg, the Netherlands and Bergen, Norway
- Fennia 2**        **Closing of the ELS2012 congress**