



**European Society of
Head and Neck Radiology (ESHNR)**
24th Annual Meeting and Refresher Course

**September 8-10, 2011
Brugge, Belgium**

Joint with
4th International Congress & Workshops
3D Diagnosis and Virtual Treatment Planning
of Cranio-Maxillo-Facial Deformity
on 10 September 2011

www.eshnr2011.be



European Society of Head & Neck Radiology (ESHNR) 24th Annual Meeting and Refresher Course

Thursday 8 September 2011

Room Ambassadeur
08.30-08.45 Opening Ceremony

Jan W. Casselman
ESHNR Meeting President

Minerva Becker
ESHNR President

Hans Rigauts
Director and Medical Director AZ Sint-Jan Brugge-Oostende av

Room Ambassadeur
Plenary Session

08.45-10.15 New technical possibilities in head & neck imaging: how does it work?

Chairs: R. Maroldi, *Brescia, Italy*
A. Trojanowska, *Lublin, Poland*

08.45 IL01 Latest technical advances in CT for head & neck imaging
C. Argaud, *GE Healthcare*

09.10 MR: coils - parallel imaging - asymmetric K-space - multitransmit
J. Verwoerd, *Philips Medical Systems*

09.35 IL02 Diffusion weighted MR Imaging: what you should know
F. De Keyzer, *Leuven, Belgium*

09.55 IL03 New developments in ultrasound and interventional procedures
L. Steyaert, *Brugge, Belgium*

10.15-10.45 Coffee Break

Room Ambassadeur
Parallel Session

10.45-12.30 New Clinical head & neck applications

Chairs: M.G. Mack, *Frankfurt, Germany*
J. Castelijns, *Amsterdam, the Netherlands*

10.45 IL04 New CT applications and the value of perfusion CT

- A. Trojanowska, *Lublin, Poland*
- 11.05 Value of PET CT and PET MR and their contemporary applications**
M. Becker, *Geneva, Switzerland*
- 11.25 IL05 Clinical DWI applications: does it always work?**
V. Vandecaveye, *Leuven, Belgium*
- Free papers:**
- 11.45 001 Management of head and neck carcinoma of unknown primary: the diagnostic accuracy of F-18 FDG-PET/CT in detection of the clinically occult tumour**
Straiton JB, Han S, Bethapudi S, McCallum A (*UK*)
- 11:55 002 Can perfusion sensitized MR diffusion weighted imaging discriminate between benign and malignant nodes for patients with head and neck squamous cell carcinoma?**
Punwani S, Purpura P, Bainbridge A, Price D, Vaitilingam T, Stevens N, Fitzke H, Beale T, Morley S, Forster M, Mendes R (*UK*)
- 12:05 003 An *in-vitro* comparison of panoramic views acquired via 2D or 3D imaging to aid diagnosis of oral health**
Pittayapat P, Galati D, Huang Y, Dreesen K, Schreurs M, Couto Souza P, Rubira IR, Westphalen FH, Jacobs R (*Belgium*)
- 12:15 004 "Black Bone" MRI & three-dimensional imaging of the craniofacial skeleton**
Eley KA, Watt-Smith SR, Golding SJ (*UK*)

Room Beethoven

Parallel Session

10.45-12.30 Miscellaneous: Free Paper Session

Chairs: M. Lemort, *Brussels, Belgium*
B. de Foer, *Antwerpen, Belgium*

- 10.45 005 Diffusion-weighted imaging for retinoblastoma: initial experience**
de Graaf P, Pouwels PJW, Rodjan F, Moll AC, Imhof SM, Knol DL, Sanchez E, van der Valk P, Castelijns JA (*the Netherlands*)
- 10.55 006 Hypervascularized tumors of the lid and orbit**
Berges O, Putterman M, Galatoire O, Heran F (*France*)
- 11.05 007 High-resolution ultrasonography and multispiral computed tomography with contrast enhancement in the diagnostics of lacrimal tract diseases**
Vasilev A, Smylenova M, Privalova E (*Russia*)
- 11.15 008 Seasonality and incidental sinus abnormality reporting on MRI in an Australian climate**
del Rio A, Trost N, Tartaglia C, Michael P (*Australia*)
- 11.25 009 Preoperative evaluation of the larynx: diagnostic significance of MRI**
Banko B, Đukić V, Milovanović J, Stošić Opinčal T, Kratovac Dunjić M, Lilić G, Milenković R, Vasić B, Gavrilov M, Nikolić I, Jovanović M, Maksimović R (*Serbia*)
- 11.35 010 Is there recurrence? – Pictorial review of post treatment imaging appearances in patients with head and neck cancer**
Mathur S, Desai N (*UK*)

- 11.45 011 A customized dental CT software for automatic correction of patient positioning error and detection of jaw midline**
Lo Casto A, Petrucci G, Gallo P, Purpura P, Barreca F, La Tona G (*Italy*)
- 11.55 012 Chronic periodontitis and the risk of orofacial odontogenic infections**
Dumitrescu AL, Zetu L, Teslaru S, Haba D (*Romania*)
- 12.05 013 Dental age according to Demirjian and Cameriere in Polish children**
Rozylo-Kalinowska I, Rozylo TK, Krawczyk K (*Poland*)
- 12.15 014 Radiological findings and panoramic radiomorphometric indices**
Rozylo-Kalinowska I, Kalinowski P, Rozylo TK (*Poland*)

12.30-14.00 Lunch

- 12.30 Witte Roos**
Best Poster Session (A)
- 12.30-13.15 Room Mozart**
Ultrasound Hands-on Session (1)
 Instructors: T. Beale, *London, UK*
 L. Steyaert, *Brugge, Belgium*
 R. Evans, *Wales, UK*
- 13.15-14.00 Ultrasound Hands-on Session (2)**
 Instructors: T. Beale, *London, UK*
 L. Steyaert, *Brugge, Belgium*
 R. Evans, *Wales, UK*
- Room Ambassadeur**
Parallel Session
- 14.00-15.30 Sinuses: what the radiologist and surgeon should tell each other**
 Chairs: P. Van Cauwenberge, *Gent, Belgium*
 H.B. Eggesbø, *Oslo, Norway*
- 14.00 IL06 Surgical anatomy**
 R. Maroldi, *Brescia, Italy*
- 14.30 Non-tumoral sinus pathology**
 V. Lund, *London, UK* & N. Freling, *Amsterdam, the Netherlands*
- 15.00 Sinonasal tumours: what the radiologist and surgeon should tell each other**
 V. Lund & T. Beale, *London, UK*

Room Beethoven

Parallel Session

14.00-15.30 Techniques: Free Paper Session

Chairs: M. Lemort, *Brussels, Belgium*
L. van den Hauwe, *Antwerpen, Belgium*

- 14.00 015 Can histographic analysis of apparent diffusion coefficient help discriminate between benign and malignant nodes in head and neck squamous cell carcinoma?**
Purpura P, Punwani S, Bainbridge A, Price D, Vaitilingam T, Stevens N, Fitzke H, Beale T, Morley S, Forster M, Mendes R (UK)
- 14.10 016 Incidental F-18 FDG positive focal thyroid nodules on PET/CT: evaluation and outcome**
Straiton JB, Bethapudi S, Poon FW, O'Neill G (UK)
- 14.20 017 Positron emission tomography - Computed tomography in head and neck radiology**
Kuruppu D, Bull M, Rock B, Higgins S, Sulkin T (UK)
- 14.30 018 The identification of cranial sutures on MRI: a review and report of preliminary findings using "Black Bone" MRI**
Eley KA, Watt-Smith SR, Sheerin F, Taylor N, Golding SJ (UK)
- 14.40 019 Spirotome macrobiopsy for head & neck lesions**
Janssens J (Belgium)
- 14.50 020 Comparison of dose of cone beam tomography and CT in diagnostics of paranasal sinuses**
Güldner C, Ningo A, Savvateeva D, Diogo I, Voigt J, Werner JA, Fiebich M (Germany)
- 15.00 021 Influence of low-dose protocols on the accuracy of image-guided craniofacial and skull base surgery**
Widmann G, Fasser M, Schullian P, Zangerl A, Puelacher W, Riechelmann H, Bale R (Austria)
- 15.10 022 Maxillo-facial traumas – New approaches with CBCT**
Martin-Duverneuil N, Chiras J (France)
- 15.20 023 The effects of compression on the image quality of digital panoramic radiographs**
Yasar E, Yesilova E, Apaydin B (Turkey)

15.30-16.00 Coffee Break

Room Ambassadeur

Parallel Session

16.00-17.50 Maxillofacial and branchial arch malformations

Chairs: M. Elmaleh, *Paris, France*
S. Golding, *Oxford, UK*

- 16.00 IL07 Neural crest in maxillofacial and branchial morphogenesis**
S. Creuzet, *Gif-sur-Yvette, France*
- 16.30 Abnormal development: when and how it goes wrong**

- T. Naidich, *New York, USA*
17.00 IL08 **Congenital lesions of the neck: US, CT and MR findings**
J. Delanote, *Brugge, Belgium*
17.30 **Free Papers**

Room Beethoven

Parallel Session

16.00-17.50 **Temporal Bone: Free Paper Session**

Chairs: S. Kösling, *Halle, Germany*
B. Schuknecht, *Zurich, Switzerland*

- 16.00** 024 **Value of the internal auditory canal hypodensity on high resolution CT in otosclerosis**
Craighero F, Van Driessche V, van Dinther J, Offeciers EF, Casselman JW, Verstraete K (*Belgium*)
- 16.10** 025 **Temporal bone fractures and related complications: CT findings in patients imaged in the acute emergency setting**
Kohler R, Masterson K, Landis B, Guyot JP, Poletti PA, Becker M (*Switzerland*)
- 16.20** 026 **Comparative study of multidetector CT and conebeam CT of the temporal bone: anatomy – otosclerosis – superior canal dehiscence, early experience and preliminary results**
Volders D, De Foer B, Bacher C, Casselman JW (*Belgium*)
- 16.30** 027 **Imaging follow-up of vestibular schwannomas. Is the long term MRI follow-up justified?**
Romsauerova A, Szewczyk-Bieda M, Brunton JN (*UK*)
- 16.40** 028 **Aetiology and clinical consequence of a widened incudo-stapedial gap in the fully aerated middle ear on computed tomography**
Connor SEJ, Pai I, Jiang D, Fitzgerald O'Connor A (*UK*)
- 16.50** 029 **Role of cone beam tomography in evaluation of cochlea implants**
Güldner C, Diogo I, Weiß R, Bien S, Werner JA (*Germany*)
- 17.00** 030 **Artifacts in cone beam tomography and cochlea implantation**
Diogo I, Weiß R, Bien S, Werner JA, Güldner C (*Germany*)
- 17.10** 031 **Development of an insertion model for cochlear implantation based on imaging evaluation of cochlear morphology**
van der Marel KS, Verbist BM, Briaire JJ, Wolterbeek R, Frijns JHM (*the Netherlands*)
- 17.20** 032 **Staging primary middle ear cholesteatoma with non-echoplanar (HASTE) diffusion weighted MRI helps plan surgery**
Majithia A, Nash R, Khemani S, Kalan A, Singh A, Lingam RK (*UK*)
- 17.30** 033 **Inner and middle ear malformations in the 22q11.2 deletion syndrome**
Elmaleh-Bergès M, Le Garrec S, Baumann C, François M, Van den Abbeele T, Sebag G (*France*)
- 17.40** 034 **CT-scan oval fossa measurement in pre operative otosclerosis surgery**
Ukkola-Pons E, Ayache D, Pons Y, Williams M (*France*)

18.00- **City Visit / Walking Dinner**

Friday 9 September 2011

Room Ambassadeur

Plenary Session

08.30-10.15 **Temporal bone - What the radiologist and surgeon should tell each other**

Chairs: R. Kuhweide, *Brugge, Belgium*
F. Veillon, *Strasbourg, France*

08.30 IL09 **Cholesteatoma imaging today**

E. Offeciers & B. de Foer, *Antwerpen, Belgium*

09.05 IL10 **Congenital inner ear malformations and cochlear implants**

L. Sennaroglu & B. Ozgen, *Ankara, Turkey*

09.40 IL11 **Conductive hearing loss with an intact tympanic membrane**

E. Offeciers, *Antwerpen, Belgium* & J.W. Casselman, *Brugge, Belgium*

10.15-10.45 Coffee Break

Room Ambassadeur

Parallel Session

10.45-12.30 **Head & neck structures and their connection with cranial nerves and nuclei**

Chairs: G. Wilms, *Leuven, Belgium*
N. Martin-Duverneuille, *Paris, Belgium*

10.45 **Anatomy of the cranial nerves, cranial nerve nuclei and tracts**

T. Naidich, *New York, USA*

11.15 IL12 **Symptoms-guided imaging of the cranial nerves and nuclei**

S. Kollias, *Zurich, Switzerland*

11.40 IL13 **Auditory and vestibular pathways: in vivo anatomy-pathology**

J.W. Casselman, *Brugge, Belgium*

12.05 IL14 **Imaging the anterior visual pathway**

P. Demaerel, *Leuven, Belgium*

Room Beethoven

Parallel Session

10.45-12.30 **Oral cavity**

Chairs: D. Farina, *Brescia, Italy*
B.-J. De Bondt, *Zwolle, the Netherlands*

10.45 IL15 **How medical imaging can influence the surgical decision making**

J. Abeloos, *Brugge, Belgium*

- 11.10** IL16 **Imaging of oral cavity cancer: what the surgeon wants to know**
F. Dubrulle, *Lille, France* & F. Bidault, *Villejuif, France*
- 11.35** IL17 **What's new with Positron Emission Tomography in oral cavity cancer**
G. Bonardel, *Paris, France*
- 12.00** IL18 **How to differentiate recurrence or post therapeutic changes in the oral cavity**
F. Bidault, *Villejuif, France* & G. Bonardel, *Paris, France*

12.30-14.00 Lunch

- 12.30** **Witte Roos**
Best Poster Session (B)

- 12.30-13.15** **Room Mozart**
Ultrasound Hands-on Session (3)
Instructors: T. Beale, *London, UK*
L. Steyaert, *Brugge, Belgium*
R. Evans, *Wales, UK*

- 13.15-14.00** **Room Ambassador**
Ultrasound Hands-on Session (4)
Instructors: T. Beale, *London, UK*
L. Steyaert, *Brugge, Belgium*
R. Evans, *Wales, UK*

- 14.00-16.10** **Room Ambassador**
Plenary Session
The Manusco Generation
Chairs: A.A. Mancuso, *Gainsville FL, USA*
J.W. Casselman, *Brugge, Belgium*

- 14.00** IL19 **"The hardest thing
To do is call an imaging study negative": a critical thinking approach to
image interpretation**
A. Mancuso, *Gainsville FL, USA*
- 14.45** IL20 **Temporal bone imaging: from basics to benchmark (and beyond)**
M. Lemmerling, *Gent, Belgium*
B. Verbist, *Leiden, the Netherlands*
- 15.25** IL21 **Imaging of the larynx and hypopharynx: The Gainesville Foundation**
F. Pameijer, *Utrecht, the Netherlands*
- 15.45** IL22 **The larynx, hypopharynx and beyond: The Spin-Off**
R. Hermans, *Leuven, Belgium*

16.10-16.40 Coffee

**Room Ambassadeur
Plenary Session**

16.40-18.00 Interactive Quiz

Chair: M.G. Mack, *Frankfurt, Germany*

Quiz masters: M.G. Mack, *Frankfurt, Germany*
A. Borges, *Lisbon, Portugal*
S. Bidas, *Tuebingen, Germany*

**Room Ambassadeur
General Assembly**

18.00-18.30

20.00- *Conference Dinner & Awards*

Saturday 10 September 2011

Room Ambassadeur

Plenary Session

Joint with 4th International Congress & Workshops

3D Diagnosis and Virtual Treatment Planning of Cranio-Maxillo-Facial Deformity

08.30-10.15 Cone Beam CT

Chairs: G. Swennen, *Brugge, Belgium*
J. Widelec, *Brussels, Belgium*

08.30 IL23 Radiation aspects of TMJ Imaging- An update on dose and risk
J. Ludlow, *Chapel Hill, USA*

09.00 IL24 Dento-alveolar, implant & orthodontic indications for CBCT imaging
R. Jacobs, *Leuven, Belgium*

09.30 IL25 Use of CBCT in dental implant treatment
TA Larheim, *Oslo, Norway*

10.00-10.30 Coffee Break

10.30 IL26 Combination of CBCT imaging & 3D stereophotogrammetry in maxillo-facial deformity
S. Bergé, *Nijmegen, the Netherlands*

11.00 IL27 Other and new indications / quality
J.W. Casselman, *Brugge, Belgium*

11.30 Round Table: Which CBCT system should I buy?
Moderators: G. Swennen, *Brugge, Belgium*
J.W. Casselman, *Brugge, Belgium*

Room Ambassadeur

12.00-12.15 ESHNR Closing Ceremony

12.15-12.30 Lunch

Refresher Course 2011 of the European Society of Head & Neck Radiology

Saturday 10 September 2011

Room Ambassadeur

13.30-14.00 Refresher Course – Part 1

Chair: A. Borges, *Lisbon, Portugal*

- 13.30** IL28 **Anatomy of the skull base**
H.B. Eggesbø, *Oslo, Norway*
- 14.00** **Pathology of the anterior and central skull base**
A. Borges, *Lisbon, Portugal*
- 14.30** IL29 **Temporal bone pathology**
C. Czerny, *Vienna, Austria*
- 15.00** IL30 **The parapharyngeal space**
M.G. Mack, *Frankfurt, Germany*

15.30-16.00 Coffee Break

Room Ambassadeur

16.00-17.30 Refresher Course – Part 2

Chair: F. Veillon

- 16.00** IL31 **Cranial nerves I-VI**
M. Lemmerling, *Gent, Belgium*
- 16.30** **Cranial nerves VII-XII**
F. Veillon, *Strasbourg, France*
- 17.00** IL32 **The masticator space**
M. Lemort, *Brussels, Belgium*
- 17.30** IL33 **The oral cavity and oropharynx**
S. Golding, *Oxford, UK*

Poster Sessions

- P001 Intra-oral versus cone beam computed tomography imaging assessing anatomy and pathology in the posterior maxilla**
Shahbazian M, Vandewoude C, Jacobs R (*Belgium*)
- P002 MRI of olfactory dysfunction: how to do it and what to report?**
Kohler R, Masterson K, Landis B, Becker M (*Switzerland*)
- P003 Relationship of shapes of macrocalcifications and malignancy: correlation with ultrasonographic and pathologic finding**
Lee HB, Kim SH, Cho WH (*Singapore*)
- P004 Terson's syndrome: an often overlooked complication of a subarachnoidal hemorrhage**
Eyselbergs M, Voormolen M, Snoeckx A, Vanhoenacker F, Parizel P (*Belgium*)
- P005 Head & neck calcifications on CT exams: appearance, significance and differential diagnosis**
Vande Walle C, Kiendys U, Lemmerling M, Verstraete KL (*Belgium*)
- P006 Imaging of intralabyrinthine schwannomas: a pictorial essay**
Eckel L, Neff B, Lane J (*USA*)
- P007 Readout-segmented echo-planar diffusion weighted imaging in head and neck tumours: a first clinical experience with the resolve sequence at 3 Tesla**
Emonts P, Chao S, Van der Stappen A, Lefebvre Y, Lemort M (*Belgium*)
- P008 Additional findings on computed tomography of the paranasal sinuses: what radiologists can find**
Macedo ACS, Nakamura OK, Garcia MRT, Soares CR, Daniel MM, Gomes RLE, Funari MBG (*Brazil*)
- P009 Normal variants of head and neck anatomy: a pictorial review**
McCleery MA, O'Neill GTJ (*UK*)
- P010 Ethmoid sinus osteoma: clinical and radiological aspects and surgical management**
Pons Y, Ukkola-Pons E, Herman P (*France*)
- P011 MR imaging of the diplopia patient: how I do it? How to make a structured report? What can I expect to see?**
Kiendys U, Vande Walle C, Lemmerling M, Verstraete KL (*Belgium*)
- P012 Submandibular masses: imaging and pathological correlation**
Bull MD, Kuruppu D, Garner S, Anand P, Bowden J (*UK*)
- P013 Perineural tumor spread: Facial and Trigeminal nerves communications - Pictorial essay**
Murakoshi R, Garcia M, Martins E, Gebrim E, Cevasco F, Daniel M, Gomes R (*Brazil*)
- P014 Odontogenic tumours - A pictorial review**
Bull MD, Kuruppu D, Simpson RHW, Gafoor A (*UK*)
- P015 Multislice CT features in tracheal stenosis multidisciplinary management and follow up**
Pineda - Ordóñez D, Bolano M, Escobar I, Román R (*Argentina*)
- P016 Intensely enhancing neck nodes on contrast enhanced CT and its causes - A pictorial essay**
Krishna Mohan G, Tiong Yong T, Julian GN 1, Cheng LS (*Singapore*)
- P017 Pictorial review of common and unusual diseases of the Calvarium**
Moon W-J 1, Roh HG, Choi JW (*Korea*)
- P018 Imaging findings in oropharynx malignancies**
Popita C, Hedesiu M, Popita RA, Preda D, Popita V (*Romania*)
- P019 CBCT evaluation of dense bone island in Polish population**
Rozylo TK, Rozylo-Kalinowska I (*Poland*)

- P020 The spongiform thyroid nodule**
Cowell GW, O'Neill G (UK)
- P021 External auditory canal - The neglected tube**
Suresh Babu S, Hoosein M, Vaidhyanath R (UK)
- P022 Medial canthus of orbit - Imaging anatomy & pathology review**
Suresh Babu S, Botchu R, Vaidhyanath R (UK)
- P023 Imaging aspects of periodontal disease in patients with ischemic cerebrovascular accidents**
Haba D, Teslaru S, Ungureanu D, Cianga C, Hodorog D, Nemtoi A, Ladunca O, Hedeşiu M, Alecu C (Romania)
- P024 How to detect labyrinth malformations: a systematic method**
Tanguy J-Y, El Raï S, Caroff J, Abi-Khalil S, Noizet E, Lignon G, Pasco-Papon A (France)
- P025 Magnetic resonance imaging of temporomandibular joint in juvenile idiopathic arthritis patients**
Neimane L, Dzelzīte S, Urtane I (Latvia)
- P026 Osteomyelitis of the central skull base: otogenic and odontogenic sources. Multidetector CT study**
Shama S (Egypt)
- P027 Advanced imaging method in TMJ diagnosis**
Mirzaey M (Iran)
- P028 Evaluation of alveolar bone density at furcation sites using computer tomography in patients with horizontal bone loss**
Dumitrescu AL, Teslaru S, Zetu L, Haba D (Romania)

Posters – Case reports

- P029 Unilateral malformation of the hyoid**
Widmann G, Gina L, Appenroth-Gamper E (Austria)
- P030 Masticatory space soft tissue chondroma: a case report**
Mathur S, Desai N (UK)
- P031 There's a worm in my ear! An unusual presentation of a mastoid cholesteatoma**
Goh JPN, Yeo SB (Singapore)
- P032 Persistent facial swelling and tinnitus complicating septorhinoplasty: report of an unusual case**
Van der Zijden T, Claes J, Vanhoenacker F, Claes G (Belgium)
- P033 Pyomyositis of sternocleidomastoid: a case report**
Desai N, Mathur S (UK)
- P034 MRI findings in a patient with inflammatory pseudotumor of the neck causing Tapia's syndrome**
Lo Casto A, La Bella V, Purpura P, Galbo L, Spataro R, La Tona G (Italy)
- P035 Giant bilateral paragangliomas of the carotid space mimicking OSA syndrome: a case report**
Gerevini S, Fabiano B, Palonta F, Bussi M (Italy)
- P036 Initial spontaneous regression of a nasal squamous cell carcinoma - A case report**
Tozakidou M, Jakscha J, Stippich C, Fischmann A (Switzerland)
- P037 Osteoblastoma of the zygomatic process of temporal bone**
Celenk P, Demirtürk H, Karlı R, Celenk C, Baris S (Turkey)
- P038 Parotid acinic cell carcinoma in a pregnant patient: a case report**
Marinescu Gava M, Vimpeli S-M (Finland)
- P039 CBCT follow-up of spontaneous healing of a bone cyst**
Rozylo TK, Rozylo-Kalinowska I (Poland)

P040 Non-ferromagnetic cochlear implants compatibility with magnetic resonance imaging brain scanning in follow-up of patients with concomitant brain disease
Tielemans J, Thielmann U, Spreng M, Issing PR (*Germany*)

THURSDAY 8

08:00-08:30	REGISTRATION	
08:30-08:45	OPENING CEREMONY	
NEW TECHNICAL POSSIBILITIES IN HEAD & NECK IMAGING: HOW DOES IT WORK?		
<i>Room: Ambassadeur</i>		Chair: R. Maroldi / A. Trojanowska
08:45-09:10	ILO1 Latest technical advances in CT for Head & Neck Imaging	C. Argaud
09:10-09:35	MR: coils - parallel imaging - asymmetric K-space - multitransmit	J. Verwoerd
09:35-09:55	ILO2 Diffusion weighted MR Imaging: what you should know	F. De Keyzer
09:55-10:15	ILO3 New developments in ultrasound and interventional procedures	L. Steyaert
COFFEE BREAK		
NEW CLINICAL HEAD & NECK APPLICATIONS		
<i>Room: Ambassadeur</i>		Chair: P. Mack / J. Castelijns
10:45-11:05	ILO4 New CT applications and the value of perfusion CT	A. Trojanowska
11:05-11:25	Value of PET CT and PET MR and their contemporary applications	M. Becker
11:25-11:45	ILO5 Clinical DWI applications: does it always work?	V. Vandecaveye
11:45-11:55	OO1 Management of head and neck carcinoma of unknown primary: the diagnostic accuracy of F-18 FDG-PET/CT in detection of the clinically occult tumour	Straiton JB
11:55-12:05	OO2 Can perfusion sensitized MR diffusion weighted imaging discriminate between benign and malignant nodes for patients with head and neck squamous cell carcinoma?	Punwani S
12:05-12:15	OO3 An <i>in-vitro</i> comparison of panoramic views acquired via 2D or 3D imaging to aid diagnosis of oral health	Pittayapat P
12:15-12:25	OO4 Black Bone" MRI & three-dimensional imaging of the craniofacial skeleton	Eley KA
MISCELLANEOUS / FREE PAPERS		
<i>Room: Beethoven</i>		Chair: M. Lemort / B. De Foer
10:45-10:55	OO5 Diffusion-weighted imaging for retinoblastoma: initial experience	de Graaf P
10:55-11:05	OO6 Hypervascularized tumors of the lid and orbit	Berges O
11:05-11:15	OO7 High-resolution ultrasonography and multispiral computed tomography with contrast enhancement in the diagnostics of lacrimal tract diseases	Vasilev A
11:15-11:25	OO8 Seasonality and incidental sinus abnormality reporting on MRI in an Australian climate	del Rio A
11:25-11:35	OO9 Preoperative evaluation of the larynx: diagnostic significance of MRI	Banko B
11:35-11:45	O10 Is there recurrence? – Pictorial review of post treatment imaging appearances in patients with head and neck cancer	Mathur S
11:45-11:55	O11 A customized dental CT software for automatic correction of patient ositioning error and detection of jaw midline	Lo Casto A
11:55-12:05	O12 Chronic periodontitis and the risk of orofacial odontogenic infections	Dumitrescu AL
12:05-12:15	O13 Dental age according to Demirjian and Cameriere in Polish children	Rozylo-Kalinowska I
12:15-12:25	O14 Radiological findings and panoramic radiomorphometric indices	Rozylo-Kalinowska I
LUNCH		
BEST POSTER SESSION (A)		
12:30-13:15	ULTRASOUND HANDS-ON SESSION (1)	T. Beale / L. Steyaert / R. Evans
13:15-14:00	ULTRASOUND HANDS-ON SESSION (2)	T. Beale / L. Steyaert / R. Evans
SINUSES: WHAT THE RADIOLOGIST AND SURGEON SHOULD TELL EACH OTHER		
<i>Room: Ambassadeur</i>		Chair: P. Van Cauwenberge / H.B. Eggesbø
14:00-14:30	ILO6 Surgical anatomy	R. Maroldi
14:30-15:00	Non-tumoral sinus pathology	V. Lund / N. Freling
15:00-15:30	Sinonasal tumours: what the radiologist and surgeon should tell each other	V. Lund / T. Beale
TECHNIQUES / FREE PAPERS		
<i>Room: Beethoven</i>		Chair: M. Lemort / L. van den Hauwe
14:00-14:10	O15 Can histographic analysis of apparent diffusion coefficient help discriminate between benign and malignant nodes in head and neck squamous cell carcinoma?	Purpura P
14:10-14:20	O16 Incidental F-18 FDG positive focal thyroid nodules on PET/CT: evaluation and outcome	Straiton JB
14:30-14:30	O17 Positron emission tomography - Computed tomography in head and neck radiology	Kuruppu D
14:30-14:40	O18 The identification of cranial sutures on MRI: a review and report of preliminary findings using "Black Bone" MRI	Eley KA
14:40-14:50	O19 Spirotome macrobiopsy for head & neck lesions	Janssens J
14:50-15:00	O20 Comparison of dose of cone beam tomography and CT in diagnostics of paranasal sinuses	Güldner C

15:00-15:10	O21	Influence of low-dose protocols on the accuracy of image-guided craniofacial and skull base surgery	Widmann G
15:10-15:20	O22	Maxillo-facial traumas – New approaches with CBCT	Martin-Duverneuil N
15:20-15:30	O23	The effects of compression on the image quality of digital panoramic radiographs	Yasar F

15:30-16:00 COFFEE BREAK

MAXILLOFACIAL AND BRANCHIAL ARCH MALFORMATIONS

Room: Ambassadeur

Chair: M. Elmaleh / S. Golding

16:00-16:35	ILO7	Neural crest in maxillofacial and branchial morphogenesis	S. Creuzet
16:35-17:15		Abnormal development: when and how it goes wrong	T. Naidich
17:15-17:50	ILO8	Congenital lesions of the neck: US, CT and MR findings	J. Delanote

TEMPORAL BONE / FREE PAPERS

Room: Beethoven

Chair: S. Kösling / B. Schuknecht

16:00-16:10	O24	Value of the internal auditory canal hypodensity on high resolution CT in otosclerosis	Van Driessche V
16:10-16:20	O25	Temporal bone fractures and related complications: CT findings in patients imaged in the acute emergency setting	Kohler R
16:20-16:30	O26	Comparative study of multidetector CT and conebeam CT of the temporal bone: anatomy – otosclerosis – superior canal dehiscence, early experience and preliminary results	Volders D
16:30-16:40	O27	Imaging follow-up of vestibular schwannomas. Is the long term MRI	Romsauerova A
16:40-16:50	O28	Aetiology and clinical consequence of a widened incudo-stapedial gap in the fully aerated middle ear on computed tomography	Connor SEJ
16:50-17:00	O29	Role of cone beam tomography in evaluation of cochlea implants	Güldner C
17:00-17:10	O30	Artifacts in cone beam tomography and cochlea implantation	Diogo I
17:10-17:20	O31	Development of an insertion model for cochlear implantation based on imaging evaluation of cochlear morphology	van der Marel KS
17:20-17:30	O32	Staging primary middle ear cholesteatoma with non-echoplanar (HASTE) diffusion weighted MRI helps plan surgery	Majithia A
17:30-17:40	O33	Inner and middle ear malformations in the 22q11.2 deletion syndrome	Elmaleh-Bergès M
17:40-17:50	O34	CT-scan oval fossa measurement in pre operative otosclerosis surgery	Ukkola-Pons E

18:00-00:00 CITY VISIT/WALKING DINER

FRIDAY 9

TEMPORAL BONE - WHAT THE RADIOLOGIST AND SURGEON SHOULD TELL EACH OTHER

Room: Ambassadeur

Chair: R. Kuhweide / F. Veillon

08:30-09:05	ILO9	Cholesteatoma imaging today	E. Offeciers / B. De Foer
09:05-09:40	IL10	Congenital inner ear malformations and cochlear implants	L. Sennaroglu / B. Ozgen
09:40-10:15	IL11	Conductive hearing loss with an intact tympanic membrane	E. Offeciers / J. Casselman

10:15-10:45 COFFEE BREAK

HEAD & NECK STRUCTURES AND THEIR CONNECTION WITH CRANIAL NERVES AND NUCLEI

Room: Ambassadeur

Chair: G. Wilms / N. Martin-Duverneuille

10:45-11:15		Anatomy of the cranial nerves, cranial nerve nuclei and tracts	T. Naidich
11:15-11:40	IL12	Symptoms-guided imaging of the cranial nerves and nuclei	S. Kollias
11:40-12:05	IL13	Auditory and vestibular pathways: in vivo anatomy & pathology	J. Casselman
12:05-12:30	IL14	Imaging the anterior visual pathway	P. Demaerel

ORAL CAVITY

Room: Beethoven

Chair: D. Farina / B-J De Bondt

10:45-11:05	IL15	How medical imaging can influence the surgical decision making	J. Abeloos
11:10-11:35	IL16	Imaging of oral cavity cancer: what the surgeon wants to know	F. Dubrulle / F. Bidault
11:35-12:00	IL17	What's new with Positron Emission Tomography in oral cavity cancer	G. Bonardel
12:00-12:30	IL18	How to differentiate recurrence or post therapeutic changes in the oral cavity	F. Bidault / G. Bonardel

12:30-14:00 LUNCH

BEST POSTER SESSION (B)

12:30-13:15		ULTRASOUND HANDS-ON SESSION (3)	T. Beale / L. Steyaert / R. Evans
13:15-14:00		ULTRASOUND HANDS-ON SESSION (4)	T. Beale / L. Steyaert / R. Evans

THE MANCUSO GENERATION

Room: Ambassadeur

Chair: A. Mancuso / J. Casselman

14:00-14:45	IL19	How does a Head & Neck Radiologist Need to Think and Act	A. Mancuso
14:45-15:25	IL20	Temporal bone imaging: from basics to benchmark: part 1	M. Lemmerling / B. Verbist
15:25-15:45	IL21	Imaging of the larynx and hypopharynx: The Gainesville Foundation	F. Pameijer
15:45-16:05	IL22	The larynx, hypopharynx and beyond: The Spin-Off	R. Hermans

16:10-16:40 COFFEE BREAK

INTERACTIVE QUIZ

Room: Ambassadeur

Chair: M. Mack

16:40-18:00		QUIZ	M. Mack / A. Borges / S. Bidas
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18:00-18:30 GENERAL ASSEMBLY
20:00-00:00 Confernece DINER & AWARDS

SATURDAY 10

CONE BEAM CT

Room: Ambassadeur

Chair: G. Swennen / J. Widelec

08:30-09:00	IL23	Radiation and technical aspects of CBCT imaging
09:00-09:30	IL24	Dento-alveolar, implant & orthodontic indications for CBCT imaging
09:30-10:00	IL25	Use of CBCT in dental implant treatment

J. Ludlow
R. Jacobs
TA Larheim

10:00-10:30 COFFEE BREAK

10:30-11:00	IL26	Combination of CBCT imaging & 3D stereophotogrammetry in maxillo-facial deformity	S. Bergé
11:00-11:30	IL27	Other and new indications / quality	J. Casselman
11:30-12:30		Round table: which CBCT system should I buy?	Moderators (J. Casselman / G. Swennen)

12:00-12:15 CLOSING CEREMONY

12:15-13:30 LUNCH

REFRESHER COURSE ESHNR - PART 1 (A. Borges)

Room: Ambassadeur

13:30-14:00	IL28	Anatomy of the skull base
14:00-14:30		Pathology of the anterior and central skull base
14:30-15:00	IL29	Temporal bone pathology
15:00-15:30	IL30	The parapharyngeal space

H.B. Eggesbø
A. Borges
C. Czerny
M.G. Mack

15:30-16:00 COFFEE BREAK

REFRESHER COURSE ESHNR - PART 2 (F. Veillon)

Room: Ambassadeur

16:00-16:30	IL31	Cranial nerves I-VI
16:30-17:00		Cranial nerves VII-XII
17:00-17:30	IL32	The masticator space
17:30-18:00	IL33	The oral cavity and oropharynx

M. Lemmerling
F. Veillon
M. Lemort
S. Golding