

## Message from the President of ESHNR

ESHNR has a strong tradition of annual meetings which are friendly, educationally valuable, and held in attractive venues. It is clear that the 2006 meeting will continue this tradition in an honourable way.

Dr Karoly Hrabak and his colleagues on the committees have worked hard to put together an excellent programme and I warmly endorse their efforts. As ever with our annual meetings, this one will provide an ideal mix of update, new developments and, moreover, a chance to explore with colleagues Head and Neck Radiology in a congenial environment.

It is also very pleasing to be able to welcome our guest speakers and colleagues from other Societies and I extend very warm thanks to everyone who has been prepared to support this meeting, in whatever role.

Make no mistake, this is a meeting you should not miss!

Stephen Golding

## Message from Chairman

On behalf of the organizing committee, it is my great honour to invite you to join the 17th International Congress of Head and Neck Radiology (17th ICHNR), which will be held on 28th-30th September 2006, at Hotel Gellért, Budapest, Hungary.

ICHNR is a major triennial congress, established in 1958 Brussels/Belgium, now sponsored by the European Society of Head & Neck Radiology, and the Asian and Oceanian Society of Neuroradiology and Head & Neck Radiology. This is the first time that Budapest, the attractive historic capital of Hungary, has the honour to accommodate this important meeting.

The scientific programme has been carefully prepared to cover a wide spectrum of head and neck radiology, highlighting recent developments in imaging modalities and in interventional procedures. Recognized international experts of the specific topics have been invited.

Budapest is one of the most beautiful cities in the world. The charming hills of Buda with the Royal Palace on the Castle Hill, the waterfronts of the majestic Danube, the flowery Margaret Island, the traditional city centre on the plains of Pest, together with the famous bridges offer an unsurpassable location to the 'pearl of the Danube'. Budapest is also famous for its historical heritage, architectural grandeur, art collections and thermal spas. The city will deserve international attention this year commemorating the 50th anniversary of the heroic struggle against the red army and the soviet colonization.

An exciting social programme is also being arranged for both attendants and accompanying persons. I hope that all delegates will feel in Budapest a scientific and friendly atmosphere with many opportunities to renew old acquaintances and establish new links. I look forward to seeing members of both societies, non-members from Europe and overseas and their guests and families as well.

Welcome to Budapest!

Dr. Károly Hrabák  
chairman  
17th ICHNR 2006

## Organising and Executive Committees

### Programme Committee

Anil AHUJA, *Hong Kong SAR, China*  
 Minerva BECKER, *Geneva, Switzerland*  
 Alexandra BORGES, *Lisbon, Portugal*  
 Jan CASSELMAN, *Brugge, Belgium*  
 Jonas CASTELIJNS, *Amsterdam, The Netherlands*  
 Vincent CHONG, *Singapore, chairman: AOSNHNR*  
 Allan G. FARMAN, *Louisville KY, USA*  
 Stephen GOLDING, *Oxford, UK, chairman: ESHNR*  
 Robert HERMANS, *Leuwen, Belgium*  
 Károly HRABÁK, *Budapest, Hungary, chairman: 17th ICHNR*  
 Herwig IMHOF, *Vienna, Austria*  
 Martin MACK, *Frankfurt, Germany*  
 Roberto MAROLDI, *Brescia, Italy*  
 Francis VEILLON, *Strasbourg, France*  
 Thomas VOGL, *Frankfurt, Germany*  
 Andrew WHYTE, *Perth, Australia*

### ESHNR Executive Committee

GOLDING, Stephen	<i>President</i>
BECKER, Minerva	<i>Vice-President</i>
MACK, Martin	<i>Secretary</i>
EGGESBO, Heidi	<i>Treasurer</i>
IMHOF, Herwig	<i>Past-President</i>
CASTELIJNS, Jonas	<i>Member-at-Large</i>
HERMANS, Robert	<i>Member-at-Large</i>
MAROLDI, Roberto	<i>Member-at-Large</i>
VEILLON, Francis	<i>Member-at-Large</i>

**Local Organising Committee**

Károly HRABÁK, *Budapest, chairman*

Sándor FORGÁCS, *Budapest*

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Ádám MESTER, *Budapest*

Gyöngyi NAGY, *Zalaegerszeg*

Levente PATAKY, *Budapest*

Erika VÖRÖS, *Szeged*

**Faculty**

AHUJA, Anil T - *Hong Kong SAR, China*

BECKER, Minerva - *Geneva, Switzerland*

BORGES, Alexandra - *Lisbon, Portugal*

CASSELMAN, Jan - *Brugge, Belgium*

CHONG, Vincent - *Singapore*

CZERNY, Christian - *Vienna, Austria*

De BOND, Bert-Jan - *Maastricht, The Netherlands*

DUBRULLE, Frédérique - *Lille, France*

EGGESBO, Heidi - *Oslo, Norway*

FARMAN, Allan G - *Louisville, USA*

FRELING, Nicole - *Amsterdam, The Netherlands*

GOLDING, Stephen - *Oxford, UK*

GÖDÉNY, Mária - *Budapest, Hungary*

GRÖNDAHL, Hans-Göran - *Göteborg, Sweden*

HERMANS, Robert - *Leuven, Belgium*

JAEGER, Lorenz - *Garmisch-Partenkirchen, Germany*

KÖSLING, Sabrina - *Halle, Germany*

LARHEIM, Tore A - *Oslo, Norway*

LJUMANOVIC, Redina - *Amsterdam, The Netherlands*

LÖVBLAD, Karl-Olof - *Geneva, Switzerland*

MACK, Martin - *Frankfurt, Germany*  
MAKDISSI, James - *London, UK*  
MAROLDI, Roberto - *Brescia, Italy*  
MOULIN, Guy - *Marseille, France*  
PAMEIJER, Frank - *Amsterdam, The Netherlands*  
RICHARDS, Polly - *London, UK*  
ROBINSON, Soraya - *Vienna, Austria*  
SCHIFF, Thomas - *San Francisco, USA*  
SCHUKNECHT, Bernhard - *Zürich, Switzerland*  
SZABÓ, György - *Budapest, Hungary*  
TORRINHA, Fernando - *Lisbon, Portugal*  
TROJANOWSKA, Agnieszka - *Lublin, Poland*  
VEILLON, Francis - *Strasbourg, France*  
VOGL, Thomas - *Frankfurt, Germany*  
WHYTE, Andrew - *Perth, Australia*  
YILMAZ, Hasan - *Geneva, Switzerland*

## Congress Secretariat, 17th ICHNR

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## Joint International Conference, Refresher - & Precongress Course

ESHNR European Society of Head & Neck Radiology



AOSNHNR Asian and Oceanian Society of  
Neuroradiology and Head & Neck Radiology

## Social Events

### 28. 09 Thursday

Welcome Cocktail Reception - Hotel Gellért, included for delegates and registered accompanying persons

### 29. 09 Friday

Gala Dinner - on the river Danube for delegates and registered

accompanying persons: € 50

additional tickets: € 70

on site registration: standard fees + € 10

## SIGHTSEEING TOURS

### Budapest

free for delegates and registered accompanying persons

3.5 hours tour which includes the following sights:

House of Parliament -

Opera House -

Heroes' Square [Hősök tere] (stop) -

Chain Bridge [Lánchíd] -

Castle Hill [Vár]: short walking tour which includes a visit to the Matthias Church and the Fishermen's Bastion) -

Gellért Hill (stop)

### Szentendre (St. Andrew) - the artists' village optional tour: € 60

4 hours programme:

30 min. drive from Budapest via the Roman town Aquincum to Szentendre. A short walk in the city centre, a visit to Hungary's most visited museum: Margit Kovács's ceramic exhibition.

Free time to stroll in the city, shopping in the folk-art shops or in the local antique stores.

3 course lunch in a local restaurant.

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Abstracts: The abstracts of the invited and proffered papers, posters and electronic posters will be available after the congress on the internet at <https://atoth.sote.hu/ichnr2006> using the password 'headandneck'.

**08:30 - 11:30 CONE BEAM CT – multi-dimensional maxillofacial imaging / PRECONGRESS COURSE**  
**Chair: Farman, Casselman**

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- 08:30 Trends in maxillofacial cone beam computed tomography**  
*Allan G. Farman - Louisville, USA*
- 09:00 CBCT in implantology with specific reference to a small volume unit**  
*Hans-Göran Gröndahl - Göteborg, Sweden*
- 09:30 Maxillofacial and other head & neck CBCT applications**  
*Soraya Robinson - Vienna, Austria, Anni Suomalainen - Helsinki, Finland*
- 09:50 The use of CBCT in the head & neck imaging arena**  
*Thomas Schiff - San Francisco, USA*
- 10:20 3D rotational x-ray: comparison with CT**  
*Nicole Freling - Amsterdam, The Netherlands*
- 10:40 Panel discussion**  
*Farman, Casselman, Gröndahl, Robinson, Schiff, Freling*

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**12:45 Opening Ceremony**

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**13:00 - 15:00 FACE, JAW**  
**Chair: Golding, Maroldi**

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- 13:00 Approaching facial fractures from a clinical point of view: what are the priorities?** – *Stephen Golding - Oxford, UK*
- 13:20 Congenital facial malformations** – *Christian Czerny - Vienna, Austria*
- 13:40 Imaging of rare infectious and inflammatory diseases of the face**  
*Minerva Becker - Geneva, Switzerland*
- 14:00 Facial tumors** – *Roberto Maroldi - Brescia, Italy*
- 14:20 Jaw tumors and tumor mimics** – *Tore A. Larheim - Oslo, Norway*
- 14:40 Application of multi-detector CT in dental & maxillofacial radiology**  
*Andrew Whyte - Perth, Australia*

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**15:00 - 15:30 Coffee Break**

**15:30 – 17:30 INTERVENTION, NECK**  
**Chair: Mack, Richards**

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- 15:30 MR guided intervention: where do we stand today?**  
*Martin Mack - Frankfurt, Germany*
- 15:50 Vascular intervention in the head and neck**  
*Hasan Yilmaz - Geneva, Switzerland*
- 16:10 Miscellaneous lumps and bumps in the neck – why sonography is ideal initial examination?**  
*Anil Ahuja - Shatin, Hong Kong SAR, China*
- 16:30 US and USgFNAB in the staging of N0 head and neck SCC**  
*Polly Richards - London, UK*
- 16:50 The role of US and USgFNAC in subclinical thyroid nodules: evidence based guidelines**  
*Alexandra Borges - Lisbon, Portugal*
- 17:10 Minimally invasive intervention in salivary gland diseases**  
*James Makdissi - London, UK*

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**19:00 Welcome Reception**

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### **ESHNR Prizes**

Prizes will be awarded for the best paper and the best poster.

The value of the prizes is 750 € each.

Another two prizes will be awarded for the second best paper and the second best poster. The prizes consist in free registration for the 20th ESHNR Annual Meeting in Oslo.



**13:00 – 15:00 FACE, JAW & INTERVENTION**  
**Chair: Eggesbo, Karlinger**

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- 13:00 Paranasal sinus anatomy**  
*Heidi Eggesbo (Oslo, Norway)*
- 13:20 CT of the paranasal sinuses. Time for straight talking!**  
*Jessie Aw, J Kabala, H Thomas - Bristol, UK*
- 13:30 A practical protocol based multiplanar approach to the pre - Functional Endoscopic Sinus Surgery CT**  
*Sanjay Vaid, NS Vaid - Pune, India*
- 13:40 100 years after Caldwell-Luc: What remains on the image in times of FESS**  
*Stefan Nemeč, C Krestan, M Formanek, H Imhof, C Czerny - Vienna, Austria*
- 13:50 3D diagnostics in dento-maxillo-facial radiology**  
*Csaba Dobó-Nagy - Budapest, Hungary (supported by Planmeca)*
- 14:00 Orbital trauma, foreign bodies. What radiologists needs to know**  
*Kinga Karlinger, P Magyar - Budapest, Hungary*
- 14:10 Angioscopy-guided in vivo interventional procedures**  
*László Miskolczi - Hollywood, USA*
- 14:20 Tumor seeding after surgical biopsy of LN of the neck in a patient presenting with relapse of Hodgkin disease**  
*Pierre-Yves Marcy, W Lescaut, A Italiano, I Peyrottes, PY Bondiau, A Bozec - Nice, France*
- 14:30 Ultrasound-guided radiofrequency treatment in primary and secondary hyperparathyroidism**  
*Domenico Lumia, G Carrafiello, D Laganr, M Mangini, A Giorgianni, C Recaldini - Varese, Italy*
- 14:40 Contrast echography monitoring and follow-up of radiofrequency (RF) ablated parathyroid adenomas**  
*GianPaolo Carrafiello, D Laganr, M Mangini, D Lumia, A Giorgianni, C Recaldini - Varese, Italy*
- 14:50 Fractal dimension and lacunarity analysis in mandibular cortical index classification**  
*Fusun Yasar - Konya, Turkey*

**08:00 – 09:40 ANTERIOR & CENTRAL SKULL BASE**  
**Chair: Becker, Chong**

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**08:00 Anatomy & imaging techniques**  
*Frédérique Dubrulle - Lille, France*

**08:20 Trauma of the anterior & central skull base**  
*Sabrina Kösling - Halle, Germany*

**08:40 Imaging of infections and inflammatory diseases**  
*Bernhard Schuknecht - Zürich, Switzerland*

**09:00 Tumours of the anterior & central skull base**  
*Alexandra Borges - Lisbon, Portugal*

**09:20 Imaging the jugular foramen**  
*Vincent Chong - Singapore*

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**09:40 – 10:00 Coffee Break**

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**10:00 – 12:00 TEMPORAL BONE, TMJ, PAEDIATRIC**  
**Chair: Veillon, Whyte**

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**10:00 What can we expect from high resolution multidetector CT in temporal bone imaging?**  
*Francis Veillon - Strasbourg, France*

**10:25 Pediatric head and neck MRI**  
*Jan Casselman - Brugge, Belgium*

**10:50 MRI in the evaluation of TMJ disc displacement**  
*Andrew Whyte - Perth, Australia*

**11:20 Junior film reading (competition of groups)**  
*moderated by Martin Mack*

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**13:00 – 13:20 KATHLYN MARSOT MEMORIAL LECTURE**  
*by Francis Veillon*

**13:20 – 15:00 ONCOLOGY I**  
**Chair: Gődény, Hermans**

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- 13:20 Head and neck cancer: what the clinician wants to know**  
*Mária Gődény - Budapest, Hungary*
- 13:40 The aspects of the maxillo-facial surgeon**  
*György Szabó - Budapest, Hungary*
- 13:50 Detection of lymph node metastases in SCC of the head and neck**  
*Martin Mack - Frankfurt, Germany*
- 14:15 Posttreatment imaging of head and neck cancer**  
*Robert Hermans - Leuven, Belgium*
- 14:40 Predicting the outcome of radiation therapy using MRI in laryngeal cancer** – *Redina Ljumanovic - Amsterdam, The Netherlands*

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**15:00 – 15:30**                      **Coffee Break**

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**15:30 – 17:10 ONCOLOGY II**  
**Chair: Ahuja, Pameijer**

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- 15:30 Imaging the cranial nerves in cancer** – *Vincent Chong - Singapore*
- 15:50 Perineural tumor spread**  
*Bert-Jan de Bondt - Maastricht, The Netherlands*
- 16:10 Searching for distant metastases: whole body MRI**  
*Lorenz Jaeger - Garmisch-Partenkirchen, Germany*
- 16:30 Sonography of neck nodes** – *Anil Ahuja - Hong Kong SAR, China*
- 16:50 Second primary tumors in head and neck**  
*Frank Pameijer - Amsterdam, The Netherlands*

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**17:30**                      **ESHNR General Assembly (members only)**

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**19:00**                      **Gala Dinner – on the river Danube**

**13:30 – 15:00 SKULL BASE, TMJ, ONCOLOGY**  
**Chair: Maroldi, Vaid**

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- 13:30 Identification of normal anatomy in the jugular foramen: contrast-enhanced 3D fast imaging employing steady-state acquisition MRI**  
*Indran Davagnanam, C Winkles, L Senthil, SV Chavda - Birmingham, UK*
- 13:40 Sphenoidal encephalocele: a rare cause of trigeminal neuralgia**  
*Laurent Vinikoff, CB Vinikoff-Sonier, P Thienpont, E Lioret, P Francois - Tours, France*
- 13:50 MR grading of inflammatory changes in patients with TMJ pain**  
*Roberto Maroldi, C Bodin, F Pittiani, W de Gasperi, F Gandolfi, A Borghesi - Brescia, Italy*
- 14:00 TMJ disorders. MR assessment of pre- and post-treatment periarticular soft tissue abnormalities**  
*Roberto Maroldi, C Bodin, F Pittiani, W de Gasperi, F Gandolfi, A Borghesi - Brescia, Italy*
- 14:10 Intrarater reliability of subjective determinations in transcranial radiographs: the position and translation capacity of TMJ condyle**  
*Sevgi Sener, Y Sisman, F Akgünlü - Konya, Turkey*
- 14:20 MR assessment of local (and perineural) spread of head and neck adenoid cystic carcinoma**  
*Anna Marconi, R Maroldi, D Farina, D Lombardi, A Vlachonikolou - Brescia, Italy*
- 14:30 Accuracy of PET/CT in staging known or suspected head and neck malignancy**  
*Thomas Kau, P Reinprecht, M Lobnig, J Gasser, P Lind, HE Eckel, FM Chiari - Klagenfurt, Austria*
- 14:40 Imaging in oral cavity and oropharyngeal cancer – the Indian experience**  
*Sanjay Vaid, A Tandon - Pune, India*

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**15:00 – 15:30**                      **Coffee Break**

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**08:00 – 10:00 RECENT ADVANCES, ORBIT**  
**Chair: Moulin, Robinson**

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08:00 Virtual endoscopy – *Guy Moulin - Marseille, France*

08:20 Head and neck MRI at 3T  
*Lorenz Jaeger - Garmisch-Partenkirchen, Germany*

08:40 Detection of metastatic lymph nodes in patients with H&N cancers based on CT perfusion studies  
*Agnieszka Trojanowska - Lublin, Poland*

09:00 CT perfusion for monitoring induction chemotherapy in patients with SCC of the upper aerodigestive tract: correlation between changes in tumor perfusion and tumor volume  
*Lorenzo Preda, G Petralia, G D'Andrea, G Giugliano, B Jereczek-Fossa, M Bellomi - Milan, Italy*

09:10 Characterizing nodal metastases in primary H&N cancer with diffusion-weighted MRI: preliminary report  
*Vincent VandeCaveye, F De Keyser, S Nuyts, P Dirix, V Vander Poorten, R Hermans - Leuven, Belgium*

09:20 'Black Bone' MRI: A new method of radiation protection in facial imaging  
*Christopher Alvey, A McIntyre, SR Watt-Smith, SJ Golding - Oxford, UK*

09:30 Use of multiplanar MDCT to visualize anatomy and evaluate endoscopic blind spots in laryngeal & hypopharyngeal cancer  
*Sanjay Vaid, P Sangle - Pune, India*

09:40 Imaging of the orbit – *Soraya Robinson - Vienna, Austria*

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10:00 – 10:30 Coffee Break

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**10:30 – 12:30 TEMPORAL BONE, ACOUSTIC PATHWAY**  
**Chair: Casselman, Whyte**

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10:30 Temporal bone anatomy – *Andrew Whyte - Perth, Australia*

11:00 Congenital abnormalities of the external and middle ear  
*Sabrina Kösling - Halle, Germany*

- 11:20 Imaging of inner ear pathology – *Christian Czerny - Vienna, Austria*  
 11:40 MR imaging of the inner ear and CPA with parallel imaging techniques – *Jan Casselman - Brugge, Belgium*  
 12:05 Functional imaging of the acoustic pathway  
*Karl-Olof Lovblad - Geneva, Switzerland*

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12:30 Closing Remarks

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13:30 – 16:30 ESHNR Refresher Course - Budapest  
 Chair: Becker

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- 13:30 Larynx and hypopharynx  
*Guy Moulin - Marseille, France*  
 14:15 Non traumatic emergency in the head and neck  
*Minerva Becker - Geneva, Switzerland*  
 15:00 Traumatic emergency in the head and neck  
*Jan Casselman - Brugge, Belgium*  
 15:45 Thyroid and parathyroid  
*Fernando Torrinha - Lisbon, Portugal*

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16:30 Close

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### Next Meetings

2007 – Oslo	<i>H. Eggesbo</i>	20th Annual Meeting
2008 – Geneva	<i>M. Becker</i>	21st Annual Meeting
2009 – Verona/Lake Garda	<i>R. Maroldi</i>	22nd Annual Meeting

**08:00 – 09:30 SALIVARY IMAGING, ORBIT &  
TEMPORAL BONE**  
Chair: Czerny, Kabala

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- 08:00** Comparison of classical and dynamic MR imaging in the diagnosis of salivary gland tumours  
*Jean-Evrard Cabay, R Chaveau, J Collignon - Liege, Belgium*
- 08:10** The use of DCE-MRI in the assessment of salivary glands in Sjögren's syndrome patients  
*Vivian Rushton, C Roberts, A Jackson, GJM Parker - Manchester, UK*
- 08:20** Color Doppler ultrasound: developing study in diabetic retinopathy  
*Mauro Caputo, G Giannelli, V Orsini, L Scorolli, SZ Scalinci, R Meduri, G Gavelli - Bologna, Italy*
- 08:30** Imaging of temporal bone metastases  
*Latha Senthil, C Winkles, L Siok, I Davagnanam, S Mirza, SV Chavda, R Irving - Birmingham, UK*
- 08:40** Endolymphatic sac tumours in Von Hippel-Lindau syndrome: detection on routine CT and MR imaging of the head  
*Indran Davagnanam, BJ Holloway, RJ West, SV Chavda - Birmingham, UK*
- 08:50** Computerised Tomography features of the vertical segment of the facial nerve  
*Latha Senthil, CL Winkles, C Toh, SV Chavda, R Irving - Birmingham, UK*
- 09:00** Imaging of the primitive cholesteatoma of the middle ear  
*Bogdan Enachescu, F Veillon, S Riehm - Bucharest, Roumania*
- 09:10** Imaging findings in oval window atresia using HRCT with surgical correlation  
*Julian Goh, TY Tan, SB Yeo - Singapore*
- 09:20** Malignant otitis externa: changing pattern of imaging features associated with ciprofloxacin resistance  
*Jonathan Bernstein, NJ Holland, JE Kabala - Bristol, UK*

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**10:00 – 10:30** Coffee Break

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# Acknowledgements

The following companies are generously  
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