8th Congress of the European Skull Base Society

Held association with the
15th Congress of the German Society of Skull Base Surgery

Skull Base Surgery
Multimodality Management

Prague, Czech Republic, May 2-5, 2007

Cranial Plating Systems

Patient Specific Implants

Bone Replacement

Power Tools

Bone Fixation Clamps

Resorbable Implants

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Skull Base Surgery
Multimodality Management

8th Congress of the European Skull Base Society

and

15th Congress of the German Society of Skull Base Surgery

Congress President
Vladimír Beneš, M.D., Ph.D.

May 2-5, 2007
Prague, Czech Republic
Welcome by the Congress President

It is a pleasure and an honour to invite you all on behalf of the Board of the European Skull Base Society (ESBS), to the 8th European Skull Base Congress to be held in Prague, Czech Republic in 2007. The congress will aim to uphold the tradition of excellent meetings of the ESBS since its founding congress in 1993. The biannual approach to the congress means that it is considered to be a special and an extraordinary occasion as opposed to the normal run of an annual event.

Throughout the years, skull base surgery meetings have highlighted one word – “interdisciplinary”. The Fulda meeting in 2005 is entitled “An interdisciplinary challenge”. In fact, “interdisciplinary” is and should always be used in conjunction with another term, that of “multimodality”. Thus the title for the Prague congress was chosen: “Skull Base Surgery – Multimodality Management”. With recent advances in basic research, new diagnostic possibilities, surgical improvements, oncological alternatives, the spread of radiosurgical units, new technological introductions, etc we are faced with difficult decision-making processes. We should all be able to advice our patients properly and honestly about the best available treatment options and we should be able to help them in their most difficult task – choice of treatment.

We would like to bring together experts from various fields and specialties to give the keynote lectures on their specific topics in order to stimulate discussion, and bring participants up-to-date on the more shadowy border areas. The free papers will precede round table discussions on tumor management, vascular diseases, malformation, oncology, reconstructive surgery, and neural prostheses. The overriding common link and structure will be that of the skull base and its surrounding area.

The programme committee will do its best to device an exciting and intelectually challenging programme with high educational value. The programme will be enhanced by seminars, sponsored symposia and hands-on workshops. The organising committee will endeavour to come up with a schedule of interesting events to enhance the social value of the congress.

The success of any congress depends on 3 factors: the site, the organisation and most important, the participants. We believe you all will help to make it a success. The congress should be a must for everyone interested in the skull base.

Prof. Vladimír Beneš, M.D., Ph.D.
Congress President
Welcome by the ESBS President

Joint Meeting with the Deutsche Gesellschaft für Schädelbasischirurgie (German Society of Skull Base Surgery).

Our colleagues in Prague have kindly agreed to host this European gathering of skull base specialists. At the same time, it is the largest meeting worldwide where the latest diagnostic and therapeutic achievements regarding diseases of the skull base region are presented. The German skull base society will be the special guest this year.

For a long time, the area of the skull base used to be on the borderline of different specialties. Only a very few surgeons dared to work in this anatomically complicated, transient zone. Not until the 1970’s when a systematic interdisciplinary cooperation started, had this borderline become a meeting point of various surgical disciplines for the benefit of patients suffering from malformation, trauma, inflammatory disease or tumour in this dangerous area.

The particular attraction of this congress is the opportunity to discuss every possible problem from every possible angle. This may become an important stimulus for establishing local skull base centres in tertiary care medical institutions.

Following the tradition of alternating presidentships, Professor Dr. Vladimir Benes, a neurosurgeon, will be the Congress president and at the end of the meeting will take over the ceremonial chain together with the responsibility of the President of the ESBS.

I am certain that our colleagues in Prague, the interdisciplinary scientific committee and the advisory board will compile a most interesting programme promoting particularly our younger colleagues to go into this most challenging subspecialty. They will be the ones to achieve a higher level of performance and to maintain his level.

We hope that many skull base specialists throughout the world will follow this invitation for scientific exchange and personal communication which cannot be replaced even by the best quality media.

Come to Prague, enjoy one of the oldest European cultural centres and University cities and join the skull base community.

Wolfgang Draf M.D., Honorary M.D., Ph.D., FRCS
President of the European Skull Base Society
Welcome by the President of the German Association of Skull Base Surgery

Dear colleagues and friends,

On behalf of the German Association for Skull Base Surgery I would like to welcome you warmly to the 8th Congress of the European Skull Base Society in Prague. Again the meeting is held as a joint convention of the European Society of Skull Base Surgery together with the Annual Meeting of the German Skull Base Surgery Society.

Traditionally the meeting is focussing on clinical relevant topics in skull base surgery. Also application oriented innovative technical and surgical procedures are addressed. The program is fascinating and creates an atmosphere of open scientific exchange.

Both associations are looking back on an interesting history in one of the most surgically challenging and fascinating fields in medicine. Since the creation of the societies it always has been understood that the surgical procedures in skull base surgery benefit in a special way from interdisciplinary treatment and by establishing a team approach of the specialities involved.

The Joint Meeting here in Prague will further strengthen the spirit of cooperation among surgical partners also internationally. It will enhance the treatment options for our patients. In a fast changing medical environment much too often cost factors even in life saving and complicated procedures are discussed. It will be one task of the meeting to focus our attention on real medical challenges of skull base surgery to pass our fascination for skull base surgery to young colleagues.

The Meeting will be held in one of the most beautiful cities of the world and I am very much looking forward to a unique occasion of scientific exchange and personal encounters with doctors and friends.

Rainer Schmelzeisen, MD, DDS
President of the German Association of Skull Base Surgery
Welcome by the Dean of the First Faculty of Medicine, Charles University

Dear Colleagues,
Dear Ladies and Gentleman,

On behalf of the First Faculty of Medicine of Charles University I welcome you cordially to The Congress of The European Scull Base Society held in Prague, a city in the heart of Europe which is well known for its unforgettable historical atmosphere and cultural traditions.

The history of the oldest university north of Alps and east of Rhein is rich, indeed. In the Papal Bulla of January 26, 1347 in Avignon, Clement VI declared with his apostolic authority that „in the aforementioned city of Prague, general studies in each and every permitted area of study (arts, medicine, law, and theology) shall flourish in the near future and that its teachers and students can anticipate the same privileges and liberties as their colleagues at any other university“. Czech king and Roman emperor Charles IV issued the founding bulla of the Prague General Education on April 7, 1348 with his authority as the Czech sovereign.

The First Faculty of Medicine includes more than 80 institutes and departments with 1200 staff. Our academic community consists of more then 3 000 students and 700 postgraduate students who specialize in various fields from genomics to applied medical technologies. Our Department of Neurosurgery belongs to our leading departments due to the combination of a wide range of approaches from basic cytogenetic research to innovative surgical techniques.

The aim of your Congress is interdisciplinarity. You will be focusing on one part of the human body and the participating experts from wide research spectrum will provide new scientific data with the aim to advance medicine and help our patients.

I believe that the program of this congress will at least partially help to explain the problems associated with the scull base and the related topics and give the opportunity to exchange experiences with colleagues from all around the world and to find new friends and colleagues from medical and research community.

I would like to thank the organizers, Professor Vladimír Beneš and his collaborators, for preparing this congress and I wish them prosperous progress of the Congress.

I wish you enjoyable and fruitful time in Prague.

Prof. Tomáš Zima, M.D., MBA
Dean of the First Faculty of Medicine, Charles University, Prague
Welcome by the Director of the Central Military Hospital, Prague

Dear Ladies and Gentlemen,

It is a pleasure and honor to welcome you to Prague – a historical city in the middle of Europe. The Congress motto – multimodality – associates well with the city. Prague has always been the crossroads of Europe and it has always been the bridge between East and West, North and South - it has always been culturally multimodal. Considering the complicated field of the skull base region, it is apparent that one specialty or mode of treatment is insufficient in treating the diseases that involve the skull base. Thus, specialists from various fields must cooperate and every one of them must put forward his best. All treatment options should be considered in treating a particular patient and only the best modality or the best combination of modalities should be chosen in each particular case. I am sure you will spend ample time discussing the topic and presenting your ideas, successes, failures, and results. I am also sure you will be leaving with new insights into your specific fields of interest. You will also gain new colleagues and friends from various parts of the globe.

I am sure your scientific discussions will be the most important part of your visit in Prague. However, make sure to do some sightseeing. The Castle, the Charles Bridge, the Old Town and the Jewish Town are just the places no one can miss. The variety of sights in a city which has never throughout its history been bombed, burnt or otherwise destroyed will fit well with your congress topic. I hope you will be leaving for home with memorable memories and at least surface knowledge of Prague, its past, present and future.

Col. Štefan Brunclík, M.D.
Director of the Central Military Hospital, Prague
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**FORMER PRESIDENTS OF THE ESBS**

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<th>Location</th>
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<tr>
<td>1993</td>
<td>A. Mazzoni</td>
<td>Bergamo, Italy</td>
</tr>
<tr>
<td>1993-1995</td>
<td>R. Charachon</td>
<td>Grenoble, France</td>
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<tr>
<td>1997-2001</td>
<td>R. Fahlbusch</td>
<td>Erlangen, Germany</td>
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<tr>
<td>2001-2003</td>
<td>M. Tos</td>
<td>Hellerup, Denmark</td>
</tr>
<tr>
<td>2003-2005</td>
<td>B. Oliver</td>
<td>Barcelona, Spain</td>
</tr>
<tr>
<td>2005-2007</td>
<td>W. Draf</td>
<td>Fulda, Germany</td>
</tr>
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**FORMER CONGRESSES AND CONGRESS PRESIDENTS OF THE ESBS**

<table>
<thead>
<tr>
<th>Year</th>
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<th>President</th>
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<tr>
<td>1993</td>
<td>Riva di Garda, Italy</td>
<td>A. Mazzoni</td>
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<td>1995</td>
<td>Paris, France</td>
<td>J.M. Sterkers/R. Charachon</td>
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<tr>
<td>1997</td>
<td>London, UK</td>
<td>A.J. Strong</td>
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<tr>
<td>1999</td>
<td>Nürnberg, Germany</td>
<td>R. Fahlbusch</td>
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<td>2001</td>
<td>Copenhagen, Denmark</td>
<td>M. Tos</td>
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<tr>
<td>2003</td>
<td>Barcelona, Spain</td>
<td>B. Oliver</td>
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<tr>
<td>2005</td>
<td>Fulda, Germany</td>
<td>W. Draf</td>
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</tbody>
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**FORMER CONGRESSES AND CONGRESS PRESIDENTS OF THE GERMAN SOCIETY OF SKULL BASE SURGERY**

<table>
<thead>
<tr>
<th>Year</th>
<th>Congress Title</th>
<th>Location</th>
<th>President</th>
</tr>
</thead>
<tbody>
<tr>
<td>1993</td>
<td>1. Workshop „Inflammation at the Skull Base“, Fulda</td>
<td>Fulda</td>
<td>W. Draf</td>
</tr>
<tr>
<td>1994</td>
<td>2. Workshop „Transfacial Approaches to the Skull Base“, Homburg</td>
<td>Homburg</td>
<td>W.-I. Steudel</td>
</tr>
<tr>
<td>1999</td>
<td>3. Congress together with the 4th Congress of the ESBS, Nürnberg</td>
<td>Nürnberg</td>
<td>R. Fahlbusch</td>
</tr>
</tbody>
</table>
2001 9. Annual Meeting „Interdisciplinary Management of Tumors at the Skull Base“, Hannover  
G.F. Walter

J. Mühling

2003 11. Annual Meeting, Giessen  
D.-K. Böker

2004 12. Annual Meeting „Neuroradiology and Rehabilitation“, Fulda  
E. Hofmann

2005 13. Annual Meeting together with the 7th Congress of the ESBS, Fulda  
W. Draf

R. Schmelzeisen

FORMER LAUREATES OF THE GERMAN SOCIETY OF SKULL BASE SURGERY

Denecke Award
2001 R. Heermann
2002 G. Bachmann
2003 B. Schick
2004 K. Bumm
2005 U. Bockmühl

Scheunemann Award
2001 Fa. Karl Storz GmBH & Co.KG, Tuttlingen
2005 Fa Carl Zeiss, Oberkochen

Schürmann Lecture
1999 M.E. Wiegand
2001 J. Lang
2003 U. Fish
2005 M. Samii
2007 W. Draf
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Vladimír Beneš, Czech Republic
Bernard Pauw, The Netherlands
Carl Hardwidge, United Kingdom
Jan Casselman, Belgium
José Llorente Pendás, Spain
Kurt Laedrach, Switzerland
Michael Gleeson, England
Patrice Tran Ba Huy, France
Renato Galzio, Italy
Robert Behr, Germany
Witold Szyfter, Poland

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R.Schmelzeisen
Thomas Lenarz

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Tomasz Trojanowski
Witold Szyfter

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José Luis Llorente Pendás

United Kingdom
Brian O’Reilly
Carl Hardwidge
Jeremy Rowe

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Wolfgang Draf
Vladimír Beneš

President
President - Elect
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R. Schmelzeisen  Freiburg, Germany  President
V. Seifert  Frankfurt/Main, Germany  Vice-President
T. Lenarz  Hannover, Germany  General Secretary
M. Tatagiba  Tübingen, Germany  Treasurer
E. Hofmann  Fulda, Germany  Assesor

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Vladimír Beneš  Congress President
Madjid Samii  Honorary President

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David Netuka  Co-chairman
Filip Kramář  Co-chairman

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P. Kozler
V. Beneš
D. Netuka
S. Krobová
V. Nedvěd
F. Kramář
M. Mohapl
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A Rabischong Montpellier, France
M Tschabitscher Vienna, Austria

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M. Galiè Ferrara, Italy
N.-C. Gellrich Hannover, Germany
K. Laedrach Bern, Switzerland
M.C. Metzger Freiburg, Germany
F.W. Neukam Erlangen, Germany
R. Schmelze Hamburg, Germany
R. Schmelzeisen Freiburg, Germany

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A.B. Dublin Sacramento, USA
E. Hofmann Fulda, Germany
T. Krajina Hradec Králové, Czech Republic
J. Moret Paris, France
C. Ozdoba Bern, Switzerland
M. Schumacher Freiburg, Germany
J. Vymazal Prague, Czech Republic

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M. Ammirati Columbus, USA
P. Bazowski Katowice, Poland
R. Behr Fulda, Germany
V. Beneš Prague, Czech Republic
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M. Bettag Trier, Germany
M. Buchfelder Erlangen, Germany
F. Calbucci Bologna, Italy
L.M. Cavallo Naples, Italy
C. De Tommasi L'Aquila, Italy
R. Delfini Rome, Italy
A. Deveze Marseille, France
V.V. Dolenc Ljubljana, Slovenia
T. Fukushima Raleigh, USA
R. Galzio L'Aquila, Italy
F. Gentili Toronto, Canada
B. George Paris, France
P. Suchomel  Liberec, Czech Republic
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M. Tatagiba  Tübingen, Germany
Y.-K. Tu  Taipei, Taiwan
P. Vajkoczy  Heidelberg, Germany
E. Zvěřina  Prague, Czech Republic

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J. Nerad  Iowa, USA
J. Sivak-Callcott  Morgantown, USA

**Otorhinolaryngology**

M. Angel Ramos  Las Palmas de GC, Spain
J. Betka  Prague, Czech Republic
U. Bockmühl  Giessen, Germany
F. Bootz  Bonn, Germany
P. Castelnuovo  Varese, Italy
N. Carlos Suárez  Oviedo, Spain
A.D. Cheesman  London, United Kingdom
V. Colletti  Verona, Italy
V. Darrouzet  Bordeaux, France
P.J. Donald  Sacramento, USA
W. Draf  Hannover, Germany
P.A. Fagan  Sydney, Australia
D.M. Fliss  Tel Aviv, Israel
M. Gjuric  Zagreb, Croatia
M.J. Gleeson  London, United Kingdom
P. Herman  Paris, France
R. Laszig  Freiburg, Germany
J.P. Lavieille  Marseille, France
T. Lenarz  Hannover, Germany
J.L. Llorente Pendás  Oviedo, Spain
W. Maier  Freiburg, Germany
P. Nicolai  Brescia, Italy
M. Önerci  Ankara, Turkey
G. Oberascher  Salzburg, Austria
B. O’Reilly  Glasgow, Scotland
R. Pareschi  Legnano, Italy
B. Pauw  Rotterdam, The Netherlands
F. Piazza  Parma, Italy
K. Schwager  Fulda, Germany
C. Snyderman  Pittsburgh, USA
### PROGRAMME AT A GLANCE

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>9.00-11.00</td>
<td>A. Rhoton: 3-D Anatomy and Approaches to the Skull Base</td>
</tr>
<tr>
<td>11.00-11.30</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>11.30-12.30</td>
<td>Anterior and Middle Skull Base Including OZ Craniootomy, Orbit and Cavernous Sinus</td>
</tr>
<tr>
<td>12.30-13.30</td>
<td>The Skull Base From Below: Transphenoidal, Transmaxillary and Transoral Approaches</td>
</tr>
<tr>
<td>12.30-13.00</td>
<td>Lunch</td>
</tr>
<tr>
<td>13.30-15.00</td>
<td>Approaches Through the Temporal Bone: Middle Fossa, Translabyrinthine, Presigmoid Approaches</td>
</tr>
<tr>
<td>15.00-15.30</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>15.30-16.15</td>
<td>Approaches to the CP Angle, Cerebellum and Fourth Ventricle</td>
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<tr>
<td>16.15-17.00</td>
<td>Far Lateral, Transcondylar and Jugular Foramen Approaches</td>
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<tr>
<td>19.00</td>
<td>Welcome party - Strahov Monastery</td>
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<td>Time</td>
<td>Prague A</td>
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<td>7:00-7:45</td>
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<td>8:00-8:30</td>
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<td>9:30-10:00</td>
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<tr>
<td>10:00-12:00</td>
<td>Expanded Endonasal Surgery</td>
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<tr>
<td>13:30-15:30</td>
<td>Posterior Fossa Meningiomas I</td>
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<td>15:30-16:00</td>
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<tr>
<td>16:00-17:30</td>
<td>An. Skull Base Meningiomas I</td>
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<tr>
<td><strong>7:00-7:45</strong></td>
<td><strong>Morning seminars</strong></td>
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<tr>
<td><strong>8:00-9:30</strong></td>
<td>Schürmann Lecture</td>
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<tr>
<td><strong>9:30-10:00</strong></td>
<td><strong>Coffee Break</strong></td>
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<tr>
<td><strong>10:00-11:15</strong></td>
<td>Vestibular Schwannomas III - Surgery, QOL</td>
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<tr>
<td><strong>11:15-12:00</strong></td>
<td>Round Table (RT3): Aneurysms</td>
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<tr>
<td><strong>12:00-13:30</strong></td>
<td>Lunch + Luncheon Seminars</td>
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<tr>
<td><strong>13:30-15:30</strong></td>
<td>Anterior Skull Base - Angiofibromas</td>
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<tr>
<td><strong>15:30-16:00</strong></td>
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<tr>
<td><strong>16:00-16:30</strong></td>
<td>Coffee Break</td>
</tr>
<tr>
<td><strong>16:00-16:30</strong></td>
<td>Interventional Neuroradiology</td>
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<td><strong>16:30-17:30</strong></td>
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<td><strong>17:30-18:00</strong></td>
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<tr>
<td><strong>20:00</strong></td>
<td><strong>Banquet</strong></td>
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<tr>
<td>7:00-7:45</td>
<td><strong>Morning seminars</strong></td>
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<tr>
<td>8:00-8:45</td>
<td>Round Table (RT7): Evaluating Results</td>
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<tr>
<td>8:45-9:30</td>
<td>Round Table (RT8): Future of the Skull Base Surgery</td>
</tr>
<tr>
<td>9:30-10:00</td>
<td><strong>Coffee Break</strong></td>
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<tr>
<td>10:00-12:00</td>
<td>Cavernous Sinus</td>
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<tr>
<td>12:00-13:30</td>
<td><strong>Lunch + Luncheon Seminars</strong></td>
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<tr>
<td>13:30-14:40</td>
<td>Vascular Lesions</td>
</tr>
<tr>
<td>14:40-15:30</td>
<td>Round Table (RT9): Cavernous sinus</td>
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<tr>
<td>15:30-16:00</td>
<td><strong>Coffee Break</strong></td>
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<tr>
<td>16:00-16:45</td>
<td>Round Table (RT11): Semantics</td>
</tr>
<tr>
<td>17:00-18:00</td>
<td>Special Lecture A. Kassam: Endoscopic Skull Base Surgery. The First Decade: My Personal Experience in 700 Patients, Outcomes and Complications</td>
</tr>
<tr>
<td>18:00</td>
<td><strong>Adjourn (Prague A+B)</strong></td>
</tr>
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SCIENTIFIC PROGRAMME

WEDNESDAY, 2.5.2007

9.00-17.00 Prague D
Albert L. Rhoton, jr:
3-D Anatomy and Approaches to the Skull Base

A separate course to the 8th ESBS 2007 Congress in Prague
The fee includes beverages and lunch

9.00-11.00 Anterior and Middle Skull Base Including OZ Craniotomy, Orbit and Cavernous Sinus

11.00-11.30 Coffee Break

11.30-12.30 The Skull Base From Below: Transsphenoidal, Transmaxillary and Transoral Approaches

12.30-13.30 Lunch

13.30-15.00 Approaches Through the Temporal Bone: Middle Fossa, Translabyrinthine, Presigmoid Approaches

15.00-15.30 Coffee Break

15.30-16.15 Approaches to the CP Angle, Cerebellum and Fourth Ventricle

16.15-17.00 Far Lateral, Transcondylar and Jugular Foramen Approaches

19.00 Welcome Party – Strahov Monastery
The allotted time of each presentation includes 2 minutes for the discussion

**THURSDAY, 3.5.2007**

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<td>8.00-8.30</td>
<td>Prague A+B+C Introduction</td>
<td>Beneš V, Zima T, Brunclík Š, Draf W, Schmelzeisen R, Fagan PA</td>
<td>Prague A+B+C</td>
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<tr>
<td>8.30-9.30</td>
<td>Plenary Session</td>
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<td><strong>Skull Base Surgery</strong></td>
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<tr>
<td>001</td>
<td>Do We Need Skull Base Surgery?</td>
<td>Lindsay K</td>
<td>Dept. of Neurosurgery, Southern General Hospital, Glasgow, Scotland</td>
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<tr>
<td>002</td>
<td>Skull Base Surgery</td>
<td>Fagan PA</td>
<td>Department of Neuro-Otology, St. Vincent’s Hospital, Sydney, Australia</td>
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<tr>
<td>003</td>
<td>Common Sense in Skull Base Surgery</td>
<td>Samii M</td>
<td>International Neuroscience Institute, Hannover, Germany</td>
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<tr>
<td>9.30-10.00</td>
<td>Coffee Break (poster presentation 1-19)</td>
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<td>10.00-12.00</td>
<td>Prague A+B</td>
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<td></td>
<td>Session: Expanded Endonasal Surgery</td>
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<td>Chair: Kassam A/Snyderman C, Mokry M, Cavallo L</td>
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<td>004</td>
<td>Anatomic Basis of Endonasal Approach to Sella and Adjacent Skull Base</td>
<td>Rhoton AL Jr</td>
<td>Dept. of Neurosurgery, Gainesville, University of Florida, Florida, USA</td>
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005 Expanded Endonasal Surgery
Kassam A, Snyderman C
Dept. of Neurosurgery, Dept. of Otolaryngology-Head and Neck Surgery, University of Pittsburgh, Medical Center, Pittsburgh, USA

006 Extended Endoscopic Endonasal Transsphenoidal Approach for Tuberculum Sellae Meningiomas
Cavallo L
Dept. of Neurological Sciences, Università degli Studi di Napoli Federico, Naples, Italy

007 Endoscopic Endonasal Versus Microscopic Transseptal Transsphenoidal Surgery of Sellar Neoplasms: Experiences with the First 150 Cases
Mokry M, Stammberger H, Braun H, Clarici G
Dept. of Neurosurgery, Medical University Graz, Graz, Austria

008 Evaluation of Endoscopy in Skull Base Surgery
Ammirati M
Dept. of Neurological Surgery, Ohio State University, Columbus, USA

009 Expanded Endoscopic Endonasal Approach to Non-Pituitary Skull Base Lesions: One Year Surgical Experience in 22 Consecutive Cases
Dehdashti AR, Ganna A, Witterick I, Gentili F
Division of the Neurosurgery, Toronto Western Hospital, Toronto, Canada

11.30-12.00 Prague A+B
Limits of Endoscopic Approaches (Short Review)
Kassam A/Snyderman C, Nicolai P, Stammberger H, Önerci M, Cavallo L

12.00-13.30 Lunch and Luncheon Seminars

13.30-15.30 Prague A
Session: Posterior Fossa Meningiomas I
Chair: Calbucci F, Seifert V, Tatagiba M
010  **Anatomy and Approaches to CP Angle**  15min
Rhoton AL Jr.
Dept. of Neurosurgery, University of Florida, Gainesville, Florida, USA

011  **Surgical Management of Petroclival Meningiomas; Selection of Operative Approaches and Complication Avoidance, Results In 350 Cases**  15min
Fukushima T, Sameshima T
Carolina Neuroscience Institute & Duke University Medical Center, Raleigh, USA

012  **Multimodality Treatment of Petroclival Meningiomas. Experiences Over Period of 15 Years**  15min
Seifert V, Imöhl L, Jadik S
Dept. of Neurosurgery, Johann Wolfgang Goethe-University, Frankfurt am Main, Germany

013  **Petroclival Meningioma Via the Retrosigmoid Approach**  15min
Tatagiba M
Dept. of Neurosurgery, University of Tübingen, Tübingen, Germany

014  **Retrospective Analysis of Post-Operative Outcome of Posterior Skull Base Meningiomas**  15min
Schackert G, Kirsch M, Gräbner A
Klinik und Poliklinik für Neurochirurgie, Medizinische Fakultät Carl Gustav Carus, Technische Universität, Dresden, Germany

015  **Combined Microsurgical/Radiosurgical Treatment of Complex Skull Base Tumors**  15min
Department of Neurosurgery, Johann Wolfgang Goethe-University, Frankfurt am Main, Germany

016  **Invasion of Adjacent Tissues by Skull Base Meningiomas: A Clinical and Biological Analysis for the Understanding of the “Invasive” Phenotype of these Tumors**  8min
Gay E, Pasquier B, El Atiffi M, Bouamrani A, Berger F, Issartel JP
Dept. of Neurosurgery, CHU Grenoble, Grenoble, France
017 Surgical Management of Petroclival Tumors: Defining Outcome/Resection Goals 8min
Gupta DK, Suri A, Mahapatra AK, Sarka C, Sharma BS
All India Institute of Medical Sciences, New Delhi, India

018 Analysis of Clinical Implications of Aeroembolism in Patients With CPA Tumor Operated in Sitting Position 8min
Kwiek SJ, Doležych H, Duda I, Bryniarski P, Bażowski P, Ślusarczyk W
Dept. of Neurosurgery, Medical Univ. of Silesia, Katowice, Poland

019 Surgical Tactics in Clivus Meningiomas 8min
Šteňo J, Bízik I, Matejčík V, Šurkala J
Dept. of Neurosurgery, Comenius University, Bratislava, Slovakia

15.30-16.00 Coffee Break (poster presentation 20-38)

16.00-18.30 Prague A
Session: Anterior Skull Base Meningiomas I
Chair: Samii A, Kanaan IN, Mathiesen T

020 Frontolateral Approach for Suprasellar Meningiomas – Experience in Over 60 Cases 15min
Samii A, Fahlbusch R
International Neuroscience Institute, Hannover, Germany

021 Recommendation on Fronto Basal and Sphenoid Wing Meningioma Surgery 15min
Kanaan IN
Dept. of Neurosciences, King Faisal Specialist Hospital & Research Centre, Riyadh, Saudi Arabia

022 Surgical Strategies and Treatment Results of Sphenoorbital Tumors 15min
Meixensberger J
Dept. of Neurosurgery, University of Leipzig Lepzig, Germany

023 Long Term Management of Meningiomas 15min
Mathiesen T
Dept. of Neurosurgery, Karolinska, Stockholm, Sweden
024 Surgical Management and Outcome of Anterior Skull Base Meningiomas
Schackert G, Kirsch M, Knüppel A
Klinik und Poliklinik für Neurochirurgie, Medizinische Fakultät Carl Gustav Carus,
Technische Universität, Dresden, Germany

025 Suprasellar Meningiomas, Personal Experience in 37 Cases
Sbeih I
Dept. of Neurosurgery, Jordan University of Science and Technology and Ibn Alhaytham Hospital, Amman, Jordan

026 Endoscope Assisted Microneurosurgery for Meningiomas of Frontal and
Middle Cranial Fossae
Danchin AA
Clinic of Neurosurgery, Main Military Hospital, Kiev, Ukraine

027 Management of Clinoid Process Meningiomas
Spektor S, Umansky F, Dotan S
Dept. of Neurosurgery, Hadassah - Hebrew University Medical Center, Jerusalem, Israel

028 High Incidence of Optic Canal Involvement By Tuberculum Sellae Meningiomas:
Rationale for Aggressive Skull Base Approach
Lee JH, Sade B
Dept. of Neurological Surgery, Brain Tumor and Neuro-Oncology Center,
Cleveland Clinic, Cleveland, USA

029 Spheno-Orbital Meningiomas: A Retrospective Clinical and Radiological Study

with Long-Term Follow-Up
Scarone P, Leclercq D, Heran F, Boissonet H, Robert G
Service de Neurochirurgie - Fondation Ophthalmologique Adolphe de Rothschild,
Paris, France

030 Anterior Clinoid Meningiomas: A Long Term Follow-Up Study in a Consecutive Series of 72 Patients
Bassiouni H, Asgari S, Stolke D
Dept. of Neurosurgery, University Clinic of Essen, Essen, Germany
031 Intraoperative Measurement of Optic Nerve Blood Flow During Dissection of Tuberculum Sellae Meningiomas
Aimi Y, Saito K, Nagatani T, Ito E, Okada T, Yoshida J
Dept. of Neurosurgery, Nagoya University Graduate School of Medicine, Nagoya, Japan

032 Basal Meningiomas. A Retrospective Study of 196 Surgical Cases
Škudas G, Deltuva V, Šinkūnas K, Matukevicius A, Tamašauskas A
Dept. of Neurosurgery, Institute of Biomedical Research, Kaunas Medical University, Kaunas, Lithuania

033 Tc-99m Tetrofosmin Brain SPECT for the Assessment of Meningiomas, Correlation with Histological Grade and Mib-1 Proliferation Index
Alexiou GA, Spyridon T
University Hospital of Ioannina, Ioannina, Greece

19.30 Prague evening - Vojanův dvůr
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<td>034</td>
<td>Different Approaches in Acoustic Neuroma Surgery</td>
<td>15min</td>
<td>Trabalzini F, Dept. of Oto-Surgery, Padova University Hospital, Padova, Italy</td>
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<td>035</td>
<td>Surgery of Vestibular Schwannomas and Other CPA Tumors</td>
<td>15min</td>
<td>Bażowski P, Kwiek S, Ślusarczyk W, Dept. of Neurosurgery and Dept. of Physiology, Medical University of Silesia, Katowice, Poland</td>
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<td>036</td>
<td>The Widened Retrolabyrinthine Approach in the Management of Vestibular Schwannoma</td>
<td>15min</td>
<td>Darrouzet V, Franco-Vidal V, Liguoro D, Dept. of Oto-Laryngology and Skull Base Surgery, University Hospital of Bordeaux, University Victor Ségalen, Bordeaux, France</td>
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<td>037</td>
<td>Long-Term Results after Middle Fossa Vestibular Schwannoma Surgery</td>
<td>15min</td>
<td>Gjuric M, Dept. of Otolaryngology, University of Zagreb, Zagreb, Croatia</td>
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<td>038</td>
<td>Functional Results after Removal of Large Vestibular Schwannomas. Our Experience on 191 Consecutive Cases</td>
<td>15min</td>
<td>Deveze A, Kunst H, Lavieille JP, Magnan J, Dept. of Otolaryngology and Skull Base Surgery, Hôpital Nord, University of Marseille-Méditerranée, Marseille, France and Dept. of ORL and HNS, Radboud University Nijmegen Medical Centre, Nijmegen, The Netherlands</td>
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<td>039</td>
<td>Surgery of Giant Acoustic Neurinomas: Our Experience</td>
<td>8min</td>
<td>Spektor S, Margolin E, Umansky F, Dept. of Neurosurgery, Hadassah - Hebrew University Medical Center, Jerusalem, Israel</td>
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040 **Large Sized Vestibular Schwannomas: Management Strategies and Outcome**
El-Maghraby H, Bradford R, CollisC, Wright A  
8min  
Royal Free and University College Hospital Medical School  
London, United Kingdom

041 **Advantage of a Structured Trainee Programme in Surgery of Vestibular Schwannomas: Retrospective Analysis of 615 Cases**
Perez J, Meinhardt M, Baier G, Hagen R, Roosen K  
8min  
Neurochirurgische Klinik und Poliklinik, Universität Würzburg, Würzburg, Germany

042 **Gamma Knife as an Alternative Treatment of Large Acoustic Neuromas**
Holl EM, Kreil W, Grossauer S, Papaefthymiou G  
8min  
Dept. of Neurosurgery, Medical University Graz, Graz, Austria

043 **Neurinomas of the Greater Superficial Petrosal Nerve: Diagnosis and Surgical Management**
Deinsberger W  
8min  
Neurosurgical Clinic, Klinikum Kassel, Kassel, Germany

044 **Surgery for Trigeminal Neurinomas**
Kawase T  
15min  
Dept. of Neurosurgery, School of Medicine, Keio University Tokyo, Japan

15.30-16.00  **Coffee Break (poster presentation 20-38)**

16.00-18.40  **Prague B**  
**Session: Anterior Skull Base I**
Betka J, Donald PJ, Carlos Suárez N

045 **Adjunctive Therapy for Skull Base Tumours**
Rampling R  
15min  
Beatson Oncology Centre, Western Infirmary, Glasgow, United Kingdom

046 **Fractionated Stereotactic Radiotherapy of Skull Base Tumors**
Ammirati M  
15min  
Dept. of Neurological Surgery, Ohio State University, Columbus, USA
047  **Anterior Skull Base Malignancies**  
Carlos Suárez N  
Hospital Universitario Central de Asturias, Oviedo, Spain  

048  **Surgery of Tumors of Parapharyngeal Space**  
Dept. of Otorhinolaryngology, Head and Neck Surgery, Prague, Czech Republic  

049  **Variations of Approaches to The Anterior Base of Skull**  
Bootz F  
Dept. of Otorhinolaryngology, University of Bonn, Bonn, Germany  

050  **Nasosinusal Adenocarcinomas - a Clinical Point of View**  
Llorente Pendas JL  
Servicio de ORL, Hospital Central de Asturias, Oviedo, Spain  
Hospital Central Asturias, Oviedo, Spain  

051  **Endonasal Management of Sinonasal and Skull Base Malignancies – Long Term Follow-up of Skull Base Duraplasty**  
Castelnuovo P  
Dept. of Otorhinolaryngology, University of Insubria Varese, Italy  

052  **Paranasal Sinuses Malignacies with Skull Base Invasion**  
Krajewski R, Starosciak S, Kawecki A, Bonicki W, Kukwa A  
Head & Neck Cancer Dept., Cancer Center Warsaw, Warsaw, Poland  

053  **Nasosinusal Adenocarcinomas (ACN) - a Molecular Point of View**  
Llorente Pendas JL  
Servicio de ORL, Hospital Central de Asturias, Oviedo, Spain  
Hospital Central Asturias, Oviedo, Spain  

054  **Endoscopic Resection of Sinonasal & Anterior Skull Base Malignancies: Analysis of 78 Cases**  
Battaglia P, Bignami M, Sberze F, De Bernardi F, Cambria C, Castelnuovo P  
Unsubria University – Varese, Varese, Italy
054 **Place of Transnasal Endoscopic Surgery for Anterior Skull Base Malignancies**
Kania R, Sauvaget E, Bayonne E, Tran Ba Huy P, Herman P
Dept. of Otorhinolaryngology, Lariboisière Hospital, Paris, France

8min

055 **The Interdisciplinary Concept in Treating Patients with Malignant Anterior Skull Base Tumors and Outcomes**
Leimert M, Pinzer Th, Zahnert T, Hüttenbrink KB, Schackert G
Dept. of Neurosurgery, University of Dresden „Carl Gustav Carus“, Dresden, Germany

8min

056 **Tumours of Nasal Sinus and Anterior Skull Base**
Wasilewski W, Kloc W, Skorek A, Stankiewicz C, Iżycka-Świeszewska E
Neurosurgery Dept. of Pomeranian Traumatology Center of Regional Hospital, Gdańsk, Poland

8min

19.30 **Prague evening - Vojanův Dvůr**
057 Chairman of the Session- Introduction 5min
Laszig R
Dept. of Otorhinolaryngology-Head and Neck Surgery, University of Freiburg,
Freiburg, Germany

058 SDHB, SDHC, and SDHD Mutations in Head and Neck Paragangliomas 15min
Trabalzini F, Schiavi F, Opocher G, Amistà P
Dept. of Oto-Surgery, Padova University Hospital, Padova, Italy

059 Pargangliomas 15min
Gleeson M
Dept. of Otorhinolaryngology, Guy’s, Kings, St. Thomas’ and the National Hospital
for Neurology and Neurosurgery, London, United Kingdom

060 Paragangliomas 15min
Neumann H
Dept. of Internal Medicine, University Hospital, Freiburg, Germany

061 Temporal Paragangliomas 15min
Carlos Suárez N
Dept. of Otorhinolaryngology, Hospital Universitario Central de Asturias, Oviedo,
Spain

062 Surgery of Jugular Foramen Tumors 15min
Sameshima T, Fukushima T
Carolina Neuroscience Institute & Duke University Medical Center, Raleigh, USA

063 Tumors of the Jugular Foramen - Diagnosis and Management 15min
Ramina R, Maniglia JJ, Fernandes YB, Paschoal JR, Neto MC
Neurological Institute of Curitiba, Curitiba, Brazil

064 The Management of Jugular Foramen Lesions 10min
Gentili F
Division of the Neurosurgery, Toronto Western Hospital, Toronto, Canada
065 Vagal Paragangliomas 8min
Chovanec M, Betka J, Skřivan J, Zvěřina E, Slavíček A, Pádr R
Dept. of Otorhinolaryngology, Head and Neck Surgery, Prague, Czech Republic

066 Anatomical Study of The Modified Glasscock Approach with a Temporary Removal of the Bony Ear Canal 8min
Kunst H, Lavieille JP, Devèze A, Graamans K, Magnan J
Dept. of ORL and HNS, Radboud University Nijmegen Medical Centre, Nijmegen, The Netherlands and Dept. of Otolaryngology and Skull Base Surgery, Hôpital Nord, University of Marseille-Méditerranee, Marseille, France

12.00-13.30 Lunch and Luncheon Seminars

13.30-15.40 Prague C
Session: Sellar Lesions I
Chair: Knosp E, Bettag M, Abdulrauf S

067 The Differential Diagnosis and Management of Non-Adenomatous Sellar Space-Occupying Lesions 15min
Buchfelder M, Fahlbusch R, Kreutzer J
Dept. of Neurosurgery, University of Erlangen-Nürnberg, Erlangen, Germany

068 Endoscopic Transsphenoidal Surgery in Sellar and Parassellar Region 15min
Knosp E, Wolfsberger S, Marhold F
Dept. of Neurosurgery, Medical University Vienna, Vienna, Austria

069 Contemporary Management of Acromegaly 15min
Kanaan IN
Dept. of Neurosciences, King Faisal Specialist Hospital & Research Centre, Riyadh, Saudi Arabia

070 Transnasal Endoscopic Pituitary Surgery in GH-Secreting Adenomas 15min
Bettag M, Schäfer P, Busert C, Mehlitz M
Dept. of Neurosurgery, Krankenhaus der Barmherzigen Brüder, Trier, Germany
071 **Management of Large Pituitary Adenomas - Review of 18 Cases**  
Lee SW, Ahn ST, Hong JT, Sung JH, Son BC  
Dept. of Neurosurgery, St. Vincent's Hospital, The Catholic University of Korea  
Suwon, South Korea

072 **The Patterns of Growth And Transcranial Microsurgical Approach Giant and/or Invasive Pituitary Adenomas: Part I + II**  
İldan F, Yılmaz DM, Erman T  
Dept. of Neurosurgery, Çukurova University, School of Medicine, Adana, Turkey

073 **Sellar Cysts and „Empty Sella”: Myths or Reality**  
Buchfelder M, Kreutzer J, Nimsky Ch  
Dept. of Neurosurgery, University of Erlangen-Nürnberg, Erlangen, Germany

074 **Microsurgical Management of Giant Pituitary Adenomas: A Series of 177 Cases**  
Sinha S, Sharma BS, Mahapatra AK  
All India Institute of Medical Sciences, New Delhi, India

075 **The Direct Microscopic Transnasal Approach in The Removal of Sellar Lesions**  
Pompili A, Cattani F, Giovannetti M, Oppido P, Telera S, Vidiri A  
Dept. of Neurosurgery, „Regina Elena“ Natl. Cancer Institute, Rome, Italy

076 **Endoscopic Transsphenoidal Approach for Pituitary Tumors**  
Landeiro JA, Flores MS, Melo MH  
Hospital da Força Aérea do Galeão, Rio de Janeiro, Brazil

077 **Surgical Treatment of Giant Non-Functioning Pituitary Adenomas**  
Mortini P, Barzaghi LR, Losa M, Boari N, Giovanelli M  
Dept. of Neurosurgery, University of Brescia, Brescia, Italy

15.40-16.00  **Coffee Break (poster presentation 20-38)**
16.00-17-30 Prague C
Session: Chordomas
Fukushima T, Schmelzle R, Krisht AF

078 Surgical Management of Chordomas and Chondrosarcomas
Fukushima T, Sameshima T
Carolina Neuroscience Institute & Duke University Medical Center, Raleigh, USA

079 The Extended Transoral Approach to the Skull Base and Cervical Spine Via a Median Splitting of the Lower Lip, Jaw, Floor of Mouth, Tongue, Epiglottis and Larynx to Facilitate Resection and Plastic Reconstruction, Featuring the Chordoma and Its Recurrences
Schmelzle R, Blake F, Melcher RP, Li L, Harms J
Clinic and policlinic for Oral and Maxillofacial Surgery, University Medical Center, Hamburg-Eppendorf, Germany

080 Endoscopic Transnasal Transsphenoidal Resection of Clival Chordomas: Selective Use, Useful Adjunct, or a New Standard of Care?
Chandler JP, Moller D, Duckworth AM
Dept. of Neurological Surgery, Northwestern Medical Faculty Foundation, Chicago, USA

081 Long-Term Outcome after Aggressive Surgical Resection of Clival Chordomas And Gamma-knife Radiosurgery for Recurrences
Saito K, Nagatani T, Aimi Y, Ichikawa M, Yoshida J
Dept. of Neurosurgery, Nagoya University Graduate School of Medicine, Nagoya, Japan

082 Chordomas of Clival Region
Haninec P, Zvěřina E, Houšťava L, Kozák J
Dept. of Neurosurgery, Vinohrady Hospital, Prague, Czech Republic

083 The Expanded Endoscopic Transnasal Approach for the Treatment of Clival Chordomas
Dehdashti AR, Gentili F, Witterick I, Ganna A
Division of the Neurosurgery, Toronto Western Hospital, Toronto, Canada
Outcomes of Transoral, Transfacial and Transmandibular Surgery for Chordomas of the Clivus and Craniocervical Junction
Choi D, Gleeson M, Crockard A
National Hospital for Neurology and Neurosurgery, Queen Square, London, UK

The Role of Radiosurgery and Stereotaxis in the Management of Chordoma and Chondrosarcoma of the Cranial Base
Chytka T, Liščák R, Vladyka V, Syrůček M, Vymazal J
Dept. of Stereotactic and Radiation Neurosurgery, Hospital na Homolce
Prague, Czech Republic

17.30-18.30 Prague C
RT1 Round Table: Giant Aneurysms
Abdulrauf S, Moret J, Krisht AF, Hernesniemi J, Galzio RJ

19.30 Prague evening - Vojanův Dvůr
086 Hearing Preservation in Acoustic Neuroma Surgery
Fukushima T, Sameshima T
Carolina Neuroscience Institute & Duke University Medical Center, Raleigh, USA

087 Prognostic Factors of Hearing Preservation after Vestibular Schwannoma Surgery
Gjurić M
Dept. of Otolaryngology, University of Zagreb, Zagreb, Croatia

088 Split Facial Nerve in Vestibular Schwannomas: Rule or Exception?
Strauss C, Rampp S, Rachinger J, Prell J
Neurochirurgische Klinik der Martin-Luther-Universität Halle-Wittenberg
Halle, Germany

089 Hearing Preservation and Other Goals Achievement in Vestibular Schwannoma Surgery
Kwiek SJ, Lisowska G, Ślusarczyk W, Kukier W, Bażowski P, Namysłowski G
Dept. of Neurosurgery and Dept. of Physiology, Medical University of Silesia,
Katowice, Poland

090 Influence of Vestibular Schwannoma Morphology on Hearing Preservation in Patients Operated by Middle Fossa Approach
Niemczyk K, Morawski K, Marchel A, Brzugielewicz A, Nowak A, Bartoszewicz R
Dept. of Otolaryngology, Medical University of Warsaw, Warsaw, Poland

091 Hearing Loss and Balance Dysfunction Are the Major Causes for Diminished Work Capacity after Surgery for Vestibular Schwannomas
Kahlon B, Siesjö P, Magnusson M, Lindberg S, Karlberg M
Dept. of Neurosurgery, Lund University Hospital, Lund, Sweden

092 Screening Patients with Sensorineural Hearing Loss for Vestibular Schwannoma Using a Bayesian Classifier
Nouraei R
Dept. of Surgery, Charing Cross Hospital, London, United Kingdom
093 Results and Sensitivity of a Comprehensive Audiological and Vestibular Work-up in 100 Patients Presenting a Vestibular Schwannoma
Franco-Vidal V, Convert C, Darrouzet P, Darrouzet V
Oto-Rhino-Laryngologist, Skull Base Surgery Dept., University Hospital of Bordeaux University Victor Ségalen, Bordeaux, France

094 Expression of Erythropoietin and Erythropoietin Receptor in Vestibular Schwannoma
Diensthuber M, Ilner T, Rodt T, Samii M, Lenarz T, Stöver T
Dept. of Otorhinolaryngology, Hannover Medical University, Hannover, Germany and International Neuroscience Institute, Hannover, Germany

095 Spontaneous Cerebrospinal Fluid Fistula Through a Congenitally Patent Facial Nerve Canal: A Case Report and Literature Review
Franco-Vidal V, Vignes JR, Convert C, Vergnolles V, Darrouzet V
Oto-Rhino-Laryngologist, Skull Base Surgery Dept., University Hospital of Bordeaux University Victor Ségalen, Bordeaux, France

096 Cytogenetic Relationship Between Spinal Meningiomas and Their Recurrences
Ketter R, Wemmert S, Henn W, Kim OJ, Steudel WI, Urbschat S
Dept. of Neurosurgery, Saarland University, Homburg/Saar, Germany

097 Malignant Transformation of Cerebellopontine Angle Epidermoid Tumor: Case Report
Dept. of Neurosurgery, College of Medicine, Yeungnam University, Daegu, Korea

098 Intracranial Inverted Papilloma. A Case Report
Monserez D, Hardillo J, Pauw KH, Delwel E
Dept.of Otorhinolaryngology, Erasmus University Medical Center Rotterdam, Rotterdam, The Netherlands

12.00-13.30 Lunch and Luncheon Seminars
13.30-15.30 Prague D
Session: Hearing Restoration
Chair: Lenarz T, Behr R, Trabalzini F

099  **Functional Rehabilitation of Hearing in Skull Base Patients with Auditory Brainstem and Midbrain Implants**  15min
Lenarz T
Dept. of Otorhinolaryngology, Hannover Medical University, Hannover, Germany

100  **Auditory Brainstem Implants in NF2 Patients**  15min
Behr R, Müller J
Department of Neurosurgery, Klinikum Fulda, Fulda, Germany

101  **Auditory Brainstem Implant with Contralateral Cochlear Implant or Serviceable Hearing**  15min
Lavieille J-P, Meller R, Deveze A, Tardivet L, Magnan J
Department of Otolaryngology and Skull Base Surgery, Hôpital Nord, University of Marseille-Méditerranee, Marseille, France

102  **Digisonic® SP Auditory Brainstem Implant in NF2 patients**  15min
Trabalzini F, Scienza R, Pavesi G
Dept. of Oto-Surgery, Padova University Hospital, Padova, Italy

103  **State of Art of Auditory Brainstem Implants**  15min
Colletti V
ENT Dept., University of Verona, Verona, Italy

104  **Our Experience with Auditory Brainstem Implant**  8min
Skřivan J, Zvěřina E, Kluh J, Betka J, Tichý T, Kraus J
Dept. of Otorhinolaryngology, Head and Neck Surgery, Prague, Czech Republic

105  **Simultaneous Translabyrinthine Removal of Acoustic Neuroma and Cochlear Implantation: A Case Report**  8min
Zanetti D, Campovecchi C, Pasini S
Dept. of Otolaryngology, University of Brescia, Brescia, Italy
106 Outcomes of Bone-Anchored Hearing Aid Provision for Unilateral Deafness Following Acoustic Neuroma Surgery
Ward CL, Morley AD, Burchett A, Saunders NC, Trantor RM, Hardwidge C
Hurstwood Park Neurological Centre, Haywards Heath, United Kingdom

107 European ABI Experience and the Quality of Life Debate
Nevison B
Cochlear Europe Ltd, Surrey, United Kingdom

108 Tinnitus and Vertigo before and after Microsurgery in the Cerebellopontine Angle - Assessment of Patient-Perceived Impairment
Grauvogel J, Kaminsky J, Rosahl SK
Dept. of Neurosurgery, Albert-Ludwigs-University Freiburg, Freiburg, Germany

15.30-16.00 Coffee Break (poster presentation 20-38)

16.00-17.30 Prague D
Session: Imaging
Chair: Fliss DM, Vymazal J, Hofmann E

109 Imaging Anatomy and Pathology of Skull Base
Vymazal J, Weichet J
Dept. of Radiology, Na Homolce Hospital, Prague, Czech Republic

110 The Use of a Hybrid PET - CT System in Skull Base Surgery
Fliss DM, Gil Z, Sapir EE, Margalit N
Dept. of Otolaryngology, Head and Neck Surgery, Tel Aviv Sourasky Medical Center, Tel-Aviv, Israel

111 Imaging Characteristics of Olfactory Neuroblastoma
Dublin AB
Section of Neuroradiology, Department of Diagnostic Radiology, University of California, Davis School of Medicine, Sacramento, USA
112 Vanishing Hyperdense Mass of the Orbit 10min
Hofmann E, Behr R, Gemeinhardt St
Dept. of Diagnostic and Interventional Neuroradiology and Dept. of Neurosurgery, Klinikum Fulda, Fulda, Germany

113 The Imaging Characteristics of Rhinocerebral Mucormycosis 10min
Dublin AB
Section of Neuroradiology, Dept. of Diagnostic Radiology, University of California, Davis School of Medicine, Sacramento, USA

114 Detailed Image Analysis Improves Preoperative Grading of Esthesioneuroblastoma: A Suggested New Classification Based on Imaging Findings 10min
Ozdoba Ch, Schrotth G, Remonda L, Lukes A, Laedrach K, Speiser M
Institute of Diagnostic and Interventional Neuroradiology, Inselspital, University of Bern, Bern, Switzerland

115 Analysis of Secondary Empty Sella Syndrome Due to Brain Tumors by Brain MRI: A Preliminary Report 8min
Jung C-K
Dept. of Neurosurgery, Konyang University Hospital, Nonsan, Korea

116 SPECT Thallium Imaging in Meningiomas: Early Functional Indications in Neovascularity and Tumor Recurrence 8min
Shrivastava RK, Lesser J, Ghesani M, Sen C
Center for Cranial Base Surgery, Dept. of Neurosurgery, New York City, USA

17.30-18.30 Prague D
Session: Navigation I
Chair: Steudel WI, Rosahl SK, Dublin AB

117 IntraoperativeComputed-Tomography in Cervical Spine Surgery 15min
Steudel WI, Shariat K, Pitzen T, Nabhan A
Dept. of Neurosurgery, Saarland University, Homburg/Saar, Germany
118 The Virtual Operating Field - How Image Guidance Could Become Integral to Skull Base Surgery
Rosahl SK
Dept. of Neurosurgery, Helios Klinikum, Erfurt, Germany
15min

119 3D Visualization for Preoperative Planning of Approaches to the Sella
Dept. of Neurosurgery, Medical University Vienna, Vienna, Austria
8min

120 C-arm Based Navigation and Computer-aided Surgery
Dept. of Oral and Maxillofacial Surgery, University Hospital Freiburg, Freiburg, Germany
8min

121 Insertion of Ear Implants in a Goldenhar-Syndrome Patient Using a Navigation System
Voss PJ, Metzger MC
Dept. of Craniomaxillofacial Surgery, Albert-Ludwigs-University Freiburg, Freiburg, Germany
8min

121b Evaluation of Force Data with a Force/Torque Sensor during FESS. A Step towards Robot Assisted Surgery
Clinic und Policlinic for ENT, Bonn, Germany and Technical University Braunschweig, Institute for Robotic, Braunschweig, Germany

19.30 Prague evening - Vojanův Dvůr
10.00-12.00 Vienna
Session: Infection, Varia
Chair: Cheesman AD, Meixensberger J, Laedrach K

122 Current Management of Malignant Otitis Externa
Cheesman AD
Dept. of Otolaryngology and Skull Base Surgery, Royal National Throat, Nose and Ear Hospital, London, United Kingdom

123 Paranasal Sinus Mucococeles
Farhadi M, Mohammadi S
Iran Medical University, Tehran, Iran

124 Rhino-cerebral Mucormycosis: Diagnostic Criteria and Management. A Retrospective Study About 8 Cases
Bayonne E, Sauvaget E, El Bakkouri W, Tran Ba Huy P, Kania R, Herman P
Dept. of Otorhinolaryngology, Lariboisière Hospital, Paris, France

125 Management of Different Fungal Sinusitis with Extension to Skull Base
Mohammadi S
Iran Medical University, Tehran, Iran

126 Long-term Outcome of the Frontal Sinus Surgery Using Draf Procedure
Sauvaget E, El Bakkourri W, Bayonne E, Tran Ba Huy P, Herman P
Dept. of Otorhinolaryngology, Lariboisière Hospital, Paris, France

127 A Surgical Device for Skull Base and Deep-Seated Brain Tumor Resection - Electromagnetic Field (EMF) System
Hashimoto T, Shimazu H, Yamanashi WS, Zhao W
Dept. of Neurosurgery, St. Marianna University School of Medicine, Kawasaki, Japan

128 Remote Postoperative Intracerebral Haemorrhage after Complex Neurosurgical Procedures. Three Case Reports and Review of The Literature
Klener J, Šroubek J, Reměš F
Dept. of Neurosurgery, Na Homolce Hospital, Prague, Czech Republic
129 Microsurgery Robotic System for the Deep Complicated Procedures: Progress + Future 8min
Morita A, Mochizuki R, Mitsuishi M, Sora S
Dept. of Neurosurgery, Kanto Medical Center Tokyo, Japan

130 Results from Six Year Experience with Intraoperative Electrone Beam Irradiation as Additional Therapy in Advanced Tumors of the Anterior Skull Base 8min
Kopp M, Meco C, Oberascher G, Sedlmayer F
University Clinic for Radiotherapy and Dept. of Otolaryngology - Head and Neck Surgery, Salzburg Paracelsus University, Salzburg, Austria

131 Changes in Cerebral Oxygenation, Intracranial Pressure and Biochemistry after Surgical Evacuation of Primary Intracerebral Hematoma 8min
Chi Long Ho, Ng I
National Neuroscience Institute Singapore, Jalan Tan Tock Seng, Singapore

132 Rare Craniofacial Clefts and Encephalomeningoceles - Clinical Findings and Surgical Management under Conditions of Charity Missions 8min
Sieg P, Hakim SG
Dept. of Maxillofacial Surgery, University Hospital Luebeck, Luebeck, Germany

133 How Evolutionary Anthropology Informs the Growth, Development and Maturation of the Cranial Base. Part 1: Cranial Base: Inferior Aspect 8min
Kunz AR, Borthakur S, Velez D
Harvard University (Extension), Evolutionary Anthropology, Cambridge, USA

134 Surgical Strategies to the CC Junction from the Point of Spinal Surgeons 10min
Nakagawa H
Nagoya, Japan

135 Management of Rare Shot Wounds of the Skull Base 8min
Koscielny S
ENT Dept., University Jena, Jena, Germany

12.00-13.30 Lunch and Luncheon Seminars
13.30-15.30 Vienna  
Session: Neurovascular Compression Syndromes and Approaches  
Chair: Piazza F, Dublin AB

136 MRI Imaging of the Normal and Abnormal Fifth Cranial Nerve  
Dublin AB  
Section of Neuroradiology, Dept. of Diagnostic Radiology, University of California, Davis School of Medicine, Sacramento, USA

137 Neurovascular Compression Syndromes  
Piazza F, Magnan J, Zini C  
ENT Dept., Otology & Neurotology, Parma, Italy

138 Cranial Nerves Compression Syndromes  
Beneš V, Masopust V  
Dept. of Neurosurgery, Charles University, Central Military Hospital, Prague, Czech Republic

139 Usefulness of an Inferolateral Suboccipital Infrafloccular Approach in Hearing Preservation During MVD for Hemifacial Spasm  
Sanyal SK  
Division of Neurosurgery, Armenian Church Trauma Center, Calcutta, India

140 Trigeminal Neuralgia: Venous Conflict and Recurrence Issue  
Fioravanti A, Bartolini S, Badaloni F, Bertuccio A, Calbucci F  
Dept. of Neurosurgery, Bellaria Hospital, Bologna, Italy

141 The Transoral-transmaxillary Access Route to the Anterior Vertebral Column and Skull Base  
Blake F, Heiland M, Pohlenz P, Schmelzle R  
Clinic and policlinic for Oral and Maxillofacial Surgery, University Medical Center, Hamburg-Eppendorf, Germany

142 Transmaxillary Transpterygoid Approach: A Microanatomical Study  
Boari N, Roberti F, Mortini P, Giovanelli M, Caputy AJ  
Dept. of Neurosurgery, San Raffaele Scientific Institute, Milan, Italy
143  **Far Lateral Approach - Modifications, Applications, Technique, and Results**  
Spektor S, Umansky F  
Dept. of Neurosurgery, Hadassah - Hebrew University Medical Center, Jerusalem, Israel  
8min

144  **The No-Drill Technique of Anterior Clinoidectomy-A Skull Base Approach Tailored to Pathology**  
Chang DJ  
Dept. of Neurosurgery, University of California Davis Medical Center, Sacramento, USA  
8min

145  **Refinement of Infratentorial Supracerebellar Approach to Pineal Lesions**  
Kim E-Y, Ha Y, Yoon SH, Hyun DK, Park HS, Park HC  
Dept. of Neurosurgery, Inha University Hospital, Inha University College of Medicine, Incheon, Korea  
8min

146  **Improved Planning of Skull Base Surgery by Coregistration of 3D-data Sets of Different Angiographic Imaging Modalities Including rDSA, MRA, CTA and T1-MRI Volume Data**  
Klinik und Poliklinik für Neurochirurgie, Medizinische Fakultät Carl Gustav Carus, Technische Universität, Dresden, Germany  
8min

147  **Navigation Guided Resection of a Mucoepidermoid Carcinoma in Pterygopalatinal Fossa**  
Weyer N, Schoen R, Metzger M, Schmelzeisen R  
Dept. of Craniomaxillofacial Surgery, Albert-Ludwigs-University Freiburg, Freiburg, Germany  
8min

15.30-16.00 Coffee Break (poster presentation 20-38)
16.00-17.30  Vienna  
Session: Pituitary Adenoma  
Chair: Liščák R, Kanaan IN, Sameš M

148  Stereotactic Radiosurgery for Nonsecreting Pituitary Adenomas  
15min  
Liščák R, Vladyka V, Marek J, Šimonová G, Vymazal J  
Dept. of Stereotactic and Radiation Neurosurgery, Hospital na Homolce  
Prague, Czech Republic  

149  Direct Transnasal Miniinvasive Approach for Pituitary Tumors  
15min  
Sameš M, Vachata P, Bartoš R, Saur K  
Dept. of Neurosurgery, Masaryk Hospital, Anatomical Skull Base Lab, University  
JEP  
Ústí nad Labem, Czech Republic  

150  Endoscopic Endonasal Transsphenoidal Approach: Anatomy, Technique,  
Surgical Experience and Complications  
10min  
Ayyad A, Reisch R, Charalampaki C, Pernecky A  
Neurosurgical Dept., University Mainz, Mainz, Germany  

151  Implementation of a Low Field Intraoperative MRI (PoleStarTM N20) During  
Surgery for Pituitary Adenomas  
8min  
Gerlach R, Marquardt G, Gasser T, Seifert V  
Dept. of Neurosurgery, Johann Wolfgang Goethe-University, Frankfurt am  
Main, Germany  

152  Initial Experience with Pure Endoscopic Endonasal Resection of the Sella  
Lesions  
8min  
Netuka D, Masopust V, Beneš V  
Dept. of Neurosurgery, Charles University, Central Military Hospital,  
Prague, Czech Republic  

153  Surgery for Giant Pituitary Adenomas  
8min  
Kutin MA, Kadashev BA, Faizullaev RB, Kalinin PL, Trunin YK, Alekseev SN  
Burdenko N.N. Neurosurgical Institute, Moscow, Russia
154 **Surgical Complications after Endoscopic Transsphenoidal Pituitary Surgery**
Charalampaki C, Reisch R, Ayyad A, Perneczky A  
Neurosurgical Dept., University Mainz, Mainz, Germany  
8min

155 **Endoscopic Transsphenoidal Approach for Sellar Pathology: Last Two Years**
Hacettepe Experience  
Berker M, Önerci M, Yücel T, Ögretmenoglu O, Akalan N  
Dept. of Neurosurgery, University of Hacettepe School of Medicine  
Ankara, Turkey  
8min

156 **Lesson Learned from Large Series of Pituitary Surgery**  
Kanaan IN  
Dept. of Neurosciences, King Faisal Specialist Hospital & Research Centre,  
Riyadh, Saudi Arabia  
15min

17.30-18.30 Vienna
**RT2 Round Table Pituitary Adenomas, Choice of Approach and Multimodality Treatment**  
Buchfelder M, Kanaan IN, Mokry M, Liščák R, Ammirati M  
60min

19.30 Prague evening - Vojanův Dvůr

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FRIDAY, 4.5.2007

8.00- 9.30 Prague A+B+C
Session: Anterior Skull Base
Chair: Schmelzeisen R, Samii M

157 Schürmann Lecture
Surgery of the Anterior and Central Skull Base - a Paradigm for Change and Progress
Draf W
International Neuroscience Institute, Hannover, Germany

158 Anterior Skull Base Malignancies
Bockmühl U
Dept. of Otorhinolaryngology, Head & Neck Surgery, University-Hospital Giessen, Giessen, Germany

9.30-10.00 Coffee Break (poster presentation 39-57)

10.00-12.00 Prague A+B
Session: Vestibular Schwannomas III - Surgery, QOL
Chair: Rowe J, Samii M, Lenarz T

159 Hearing Preservation and Facial Nerve Function Comparing the Middle Fossa Approach and the Retrosigmoid Approach for Removal of Vestibular Schwannomas
Lenarz T, Tatagiba M, Lesinski-Schiedat A
Dept. of Otorhinolaryngology, Hannover Medical University
Hannover and Dept. of Neurosurgery, University of Tübingen, Tübingen, Germany

160 Management of Vestibular Schwannomas
Samii M
International Neuroscience Institute, Hannover, Germany

49
161 Acoustic Neuroma - LGK Treatment
Rowe J
National Centre for Stereotactic Radiosurgery, Royal Hallamshire Hospital, Sheffield, United Kingdom

162 Vestibular Schwannoma – Failure of Stereoradiosurgery
Zvěřina E, Betka J, Skřivan J, Chovanec M, Kluh J, Kraus J
Dept. of Otorhinolaryngology, Head and Neck Surgery, Prague, Czech Republic

163 Update on Conservative Management of Vestibular Schwannoma – The Manchester Experience
Suryanarayanan R, Aggarwal R, Ramsden RT, Saeed SR, King AT, Rutherford S
Dept. of Otorhinolaryngology, Manchester Royal Infirmary, Manchester, United Kingdom

164 Conservative Management of 386 Patients with Unilateral Vestibular Schwannoma. Pattern, Occurrence and Consequences of Tumour Growth
EL Bakkouri W, Kania R, Guichard JP, Tran Ba Huy P
Dept. of Otorhinolaryngology, Lariboisière Hospital, Paris, France

165 Prospective Evaluation of Perioperative Quality of Life in Vestibular Schwannoma Patients
Gharabaghi A, Safavi-Abbasi S, Talley MC, Brodbeck M, Samii M, Tatagiba M
Dept. of Neurosurgery, University of Tübingen, Tübingen, Germany and International Neuroscience Institute, Hannover, Germany

166 Quality of Life Between Follow-up, Surgery and Radiosurgery for Isolated Vestibular Schwannoma
Kania R, Sauvaget E, EL Bakkourri W, Herman P, Tran Ba Huy P
Dept. of Otorhinolaryngology, Lariboisière Hospital, Paris, France

167 Measures of Perioperative Psychological State in Patients with Vestibular Schwannomas
Gharabaghi A, Safavi-Abbasi S, Talley MC, Brodbeck M, Samii M, Tatagiba M
Department of Neurosurgery, University of Tübingen, Tübingen, Germany and International Neuroscience Institute, Hannover, Germany
Change in Management Strategies of Acoustic Neuroma. Review of 405 Cases over the Last 15 Years
Nouraei SAR, El-Maghraby H, Khong R, Quinney R, Bradford R, Wright A
Dept. of Surgery, Charing Cross Hospital, London, United Kingdom

12.00-13.30 Lunch and luncheon seminars

13.30-15.30 Prague A
Session: Anterior Skull Base – Angiofibromas
Llorente Pendas, Castelnuovo P, Önerci M

Endonasal Surgical Treatment of Angiofibroma
Önerci M
Dept. of ENT, University of Hacettepe School of Medicine, Ankara, Turkey

The Management of Giant Juvenile Nasopharyngeal Angiofibromas with Skull Base Invasion
Donald PJ, Boggan J, Enepekides D, Lyons B
Dept. of Otorhinolaryngology, University of California, Davis, Sacramento, USA

The Modified Midfacial Degloving for Treatment of Large Juvenile Angiofibromas
Pareschi R, Colombo S, Mincione A, Righini S
Dept. of Otorhinolaryngology, Ospedale Civile Legnano, Milano, Italy

Endoscopic Surgery for Juvenile Angiofibroma (JA): Critical Review of Indications after 40 Cases
Nicolai P, Villaret AB, Berlucchi M, Galtelli C
Dept. of Otorhinolaryngology, University of Brescia, Brescia, Italy

Surgical Treatment of Juvenile Nasopharyngeal Angiofibroma With Intracranial Involvement
Margalit N, Wasserzug O, Mimon S, Spektor S, Fliss DM
Dept. of Otolaryngology, Head and Neck Surgery, Tel Aviv Sourasky Medical Center, Tel-Aviv, Israel
174 **Surgical Management of Nasopharyngeal Angiofibroma: The Rotterdam Experience**  
Hardillo JA, Monserez D  
Dept. of Otorhinolaryngology, Erasmus Medisch Centrum Rotterdam, Rotterdam, The Netherlands

175 **Treatment Outcome of JNA: Retrospective Analysis of 23 Patients Treated with Endoscopic and Combined Endoscopic-transcranial Approach**  
Dept. of Otorhinolaryngology, Insubria University Varese, Varese, Italy

176 **Long-Term Outcome of Surgically Treated Malignant Tumors of the Nasal Cavity and Paranasal Sinuses Involving Anterior Skull Base**  
Tokutomi T, Wong Y, Sakamoto K, Kensuke K, Nakashima T, Shigemori M  
Dept. of Neurosurgery, Kurume University School of Medicine, Kurume, Japan

177 **Removal of Intracranial Extension of Juvenile Nasopharyngeal Angiofibroma by Transfacial Approach**  
Herman P, Kania R, Bayonne E, EL Bakkourri W, Tran Ba Huy P  
Dept. of Otorhinolaryngology, Lariboisière Hospital, Paris, France

178 **Our Experience with Surgical Treatment of Esthesioneuroblastomas**  
Houšťava L  
Dept. of Neurosurgery, Vinohrady Hospital, Prague, Czech Republic

15.30-16.00 **Coffee Break (poster presentation 58-75)**

16.00-17.30 **Prague A**  
*Session: Interventional Neuroradiology*  
Hofmann E, Schumacher M, Krajina A

179 **Skull Base Disease: The Interventional Neuroradiologist’s Contribution**  
Hofmann E, Solymosi L  
Dept. of Diagnostic and Interventional Neuroradiology, Klinikum Fulda, Fulda, Germany
180 Treatment of Venous Malformations: First Experience with a New Sclerosing Agent - a Multicenter Study
Schumacher M
Dept. of Neuroradiology, University Hospital Freiburg, Freiburg, Germany

15min

181 Surgical Management of Lesions of the Internal Carotid Artery Using a Modified Fisch Type A Infratemporal Approach
Deveze A
Dept. of Otolaryngology and Skull Base Surgery, Hôpital Nord, University of Marseille-Méditerranee, Marseille, France

15min

182 Use of Covered Stents for Neurovascular Disease
Mašková J, Charvát F, Lacman J, Beneš V
Radiodiagnostic Dept. and Dept. of Neurosurgery, Charles University, Central Military Hospital, Prague, Czech Republic

8min

183 Endovascular Treatment of Severe Recurrent Epistaxis (Two Cases Report)
Belšan T, Charvát F, Lacman J, Rejchrt P, Bálek J
Radiodiagnostic Dept., Charles University, Central Military Hospital, Prague, Czech Republic

8min

20.00 Banquet (Diplomat Hotel)
13.30-14.30 Prague B
Session: Posterior Fossa Meningiomas II
Chair: Lumenta CB, Seifert V

184 Surgical Approaches to Posterior Skull Base Meningiomas
Galzio RJ, Basso E, Ricci A, Zotta D, Marzi S, Ragazzi P
Dept. of Neurosurgery, “S. Salvatore” Hospital, L’Aquila, Italy

15min

185 Surgical Management and Outcome in Meningiomas with Tentorial Involvement
Lumenta CB, Krammer M, Gumprecht H, Plev D
Dept. of Neurosurgery, Academic Teaching Hospital Bogenhausen, Munich, Germany

15min

186 The Surgical Management of Tuberculum Sellae Meningiomas
Gentili F
Division of the Neurosurgery, Toronto Western Hospital, Toronto, Canada

15min

187 Treatment of Petroclival Meningiomas: Long-term Outcome after Multi-modality Management of 100 Consecutive Cases
Jung HW
Dept. of Neurosurgery, National University, Seoul, Korea

10min

188 Neurosurgical Management of Posterior Fossa Meningiomas
Seifert V
Department of Neurosurgery, Johann Wolfgang Goethe-University, Frankfurt am Main, Germany

15min

189 Results in the Skull Base Meningiomas Surgery in the Elderly
Dept. of Neurosurgery, University of Messina, Messina, Italy

8min

190 Image-guided Surgery (IGS) for Skull Base Meningiomas
Dept. of Neurosurgery, “S. Salvatore” Hospital, L’Aquila, Italy

8min
191 The Clinical Significance of Preserving the Petrosal Vein in Surgery of Petrous Apex Meningiomas
Gharabaghi A, Safavi-Abbasi S
Department of Neurosurgery, University of Tübingen, Tübingen, Germany

15.30-16.00 Coffee Break (poster presentation 58-75)

16.00-17.30 Prague B
Session: Varia
Chair: Herman P, Axon P, Laszig R

192 Balance Problems Following Lateral Skull Base Surgery and Subsequent Joint Replacement Procedures
Cheesman AD, Gallehawk C
Dept. of Otolaryngology and Skull Base Surgery, Royal National Throat, Nose and Ear Hospital, London, United Kingdom

193 Midfacial Degloving in Neurosurgery
Sepehrnia A, Siegert R, Terwey S
Dept. of Neurosurgery, Clemenshospital, Münster, Germany

194 Endolymphatic Sac Tumors
Laszig R
Dept. of Otorhinolaryngology-Head and Neck Surgery, University of Freiburg, Germany

195 Surgical Tricks for the Treatment of Sphenoidal Spontaneous Encephaloceles
Herman P, Sauvaget E, EL Bakkourri W, Bayonne E, Tran Ba Huy P
Dept. of Otorhinolaryngology, Lariboisière Hospital, Paris, France

196 Intracranial and Orbital Complications of Bony Lesions Involving the Anterior Skull Base and Paranasal Sinuses
Margalit N, Ezer H, Cavel O, Fliss DM
Dept. of Otolaryngology, Head and Neck Surgery, Tel Aviv Sourasky Medical Center, Tel-Aviv, Israel
197 **The Trans-Spinosum Corridor: Surgical Anatomy and Technical Note** 8min
Froelich S, Levine NB, Aziz KA, Pensak ML, Theodosopoulos PV, Keller JT
Dept. of Neurosurgery, Strasbourg, France and Dept. of Neurosurgery,
University of Cincinnati, USA

198 **Giant Media Sphenoid Meningiomas: Radiological Scoring and Operative Strategies** 8min
Giri PJ, Behari S, Jain VK, Banerji D
Sanjay Sandhi Postgraduate Institute of Medical Sciences, Lucknow, India

199 **Analysis of Parameters Determining the Frequency and Intensity of Pneumatocele in Patients with CPA Tumor Operated in Sitting Position with Total Intravenous Anaesthesia** 8min
Kwiek SJ, Doleżych H, Ślusarczyk W, Bażowski P, Duda I, Kukier W
Dept. of Neurosurgery and Dept. of Physiology, Medical University of Silesia
Katowice, Poland

20.00 **Banquet (Diplomat Hotel)**
10.00-11.10 Prague C
Session: Aneurysms
Chair: Moret J, Hernesniemi J, Fukushima T

200 Endovascular Treatment of Aneurysms 15min
Moret J
Service de Neuro-radiologie Interventionnelle, Fondation Ophthalmologique Rothshild, Paris, France

201 Treatment of Aneurysms of Vertebrobasilar Circulation 15min
Hernesniemi J
Dept. of Neurosurgery, Helsinki University Central Hospital, Helsinki, Finnland

202 Skullbase Approaches to Difficult and Complex Aneurysms 15min
Fukushima T, Sameshima T
Carolina Neuroscience Institute & Duke University Medical Center, Raleigh, USA

203 Bypass Surgery for Complex and Giant Intracranial Aneurysms 15min
Tu Y-K
Dept. of Neurosurgery, College of Medicine and Hospitals, National Taiwan University, Taipei, Taiwan

204 Complex Paraclinoid Aneurysms - Microsurgical Management with Intraoperative Infrared 800 Angiography 8min
Beck J, Gerlach R, de Oliveira JG, Seifert V, Raabe A
Dept. of Neurosurgery, Johann Wolfgang Goethe-University, Frankfurt am Main, Germany

11.15-12.00 Prague C
RT3 Round Table: Aneurysms 50min
Morcos J, Hernesniemi J, Moret J, Fukushima T, Abdulrauf S

12.00-13.30 Lunch and Luncheon Seminars
205 **Operative Concepts in the Surgical Management of Anterior Located Foramen Magnum Meningiomas** 15min
Seifert V, Bassiouni H, Raabe A
Dept. of Neurosurgery, Johann Wolfgang Goethe-University, Frankfurt am Main, Germany

206 **Surgery Around the Cranio-Cervical Junction** 15min
George B
Dept. of Neurosurgery, Hopital Lariboisière, Paris, France

207 **CC Junction - Posterolateral Approaches** 15min
Bertalanffy H
Dept. of Neurosurgery, Philipps University, Hospital, Marburg, Germany

208 **The Lateral Approaches to the Cranio-Vertebral Junction** 15min
Galzio JR
Dept. of Neurosurgery, “S.Salvatore” Hospital, L’Aquila, Italy

209 **Instability of Cranio-vertebral Junction and Upper Cervical Spine. Surgical Consequences** 15min
Suchomel P, Buchvald P, Barsa P, Kozak J
Neurocenter, Dept. of Neurosurgery, Regional Hospital Liberec, Liberec, Czech Republic

210 **Clinical Indications and Experience with the Expanded Endonasal Approach for Resection of the Odontoid Process** 15min
Dept. of Otolaryngology-Head and Neck Surgery, Dept. of Neurosurgery, University of Pittsburgh, Medical Center, Pittsburgh, USA

211 **Chiari Malformation – Own Experience** 8min
Smrčka M, Sova M, Smrčka V, Hanoun G
Dept. of Neurosurgery, Brno, Czech Republic
212 **Our Experience with Traumatic Atlantooccipital Dislocation**

Beneš V III, Barsa P, Suchomel P, Lukáš R

Neurocenter, Dept.of Neurosurgery, Regional Hospital Liberec, Liberec, Czech Republic

213 **Combined Transoral and Dorsal Approach in Craniocervical Neoplastic Occupying Lesions**

Braunsdorf W, Grunewald J, Siebel AM

Clinic for Neurosurgery and Spine Surgery, City-Community-Hospital, Magdeburg, Germany

214 **Ventral and Ventrolateral Extramedullary Intradural Craniocervical Tumors. Surgical Treatment and Outcome Results**

Buryk V, Polischuk ME, Trosh RM, Slin'ko EI, Al-Qashqish I

National medical academy of postgraduate training, Institute of Neurosurgery n. A.P.Romodanov, Kyiv, Ukraine

215 **Approaches to the Foramen Magnum**

Landeiro JA

Dept. of Neurosurgery, Hospital da Forca Aerea do Galeao, Rio de Janeiro, Brazil

15.40-16.00 **Coffee Break (poster presentation 58-75)**

16.00-17.30 **Prague C**

Session: Endoscopic and Endoscope Assisted Surgery

Chair: Snyderman C, Tschabitscher M, Oberascher G

216 **Anatomy of the Central Skull Base Viewed Through the Endoscope**

Tschabitscher M, Galzio RJ

Center of Anatomy and Cellbiology. Medical University of Vienna, Vienna, Austria and Dept. of Neurosurgery, “S.Salvatore” Hospital, L’Aquila, Italy

217 **Acquisition of Surgical Skills for Endonasal Skull Base Surgery: A Training Program**


Dept. of Otolaryngology-Head and Neck Surgery, Dept. of Neurosurgery, University of Pittsburgh Medical Center, Pittsburgh, USA
218 Combined Endoscopic and Microscopic Technique for Total Removal of Big Petrous Apex Lesions
Oberascher G, Mego C
Dept. of Otolaryngology - Head and Neck Surgery, Salzburg Paracelsus University, Salzburg, Austria and Dept. of Otolaryngology - Head and Neck Surgery, Ankara, Turkey

219 Combined Use of the Endoscope and Microscope in Anterior Skull Base Tumor Surgery
Zahnert T, Schackert G, Pinzer T
Skull Base Centre Dresden, University Hospital of the Technical University Dresden, Dresden, Germany

220 Endoscope-Assisted Approaches to Tumors of the Posterior Skull Base: Safety, Benefits and Potential Drawbacks
Gerganov VM, Samii A, Akbarian A, Fahlblusch R, Samii M
International Neuroscience Institute, Hannover, Germany

221 Endoscopic Trans-Sphenoid Approach to the Petrous Apex: A Navigational Assisted Anatomical Study
Nouraei R
Dept. of Surgery, Charing Cross Hospital, London, United Kingdom

222 Endoscopic and Microsurgical Anatomy of the Optico-Carotid Recess (OCR) of the Sphenoid Sinus Applied to Endoscopic Transnasal Skull Base Surgery
Kunicki J, Skadorwa T, Poppe P, Bonicki W
Dept. of Neurosurgery, M.Sklodowska-Curie Memorial Cancer Center and Dept. of Anatomy, Warsaw, Poland

223 Multi-Staged Surgical Strategy Combined Fronto-Temporal Approach with Transnasal Approach Using Endoscopy: A Case of Radiation-Induced Meningioma
Imai K, Akiyama N, Minamida Y, Houkin K
Dept. of Neurosurgery, Sapporo Medical University, Sapporo, Japan

20.00 Banquet (Diplomat Hotel)
10.00-12.00 Prague D
Session: Monitoring + Pediatrics
Romstoeck J, Matthies C, Strauss C

224 Functional Microsurgery of the Skull Base 15min
Matthies C
Dept. of Neurosurgery, University of Würzburg, Würzburg, Germany

225 EMG-monitoring of Cranial Nerves and the Posterior Fossa 15min
Romstöck J, Prell J, Rampp S, Strauss C
Dept. of Neurosurgery, Leopoldina-Hospital Schweinfurt, Schweinfurt, Germany

226 Intraoperative Continuous EMG Monitoring: The Surgeon’s Delphi Oracle? 20min
Strauss C, Rampp S, Rachinger J, Prell J
Neurochirurgische Klinik der Martin-Luther-Universität Halle-Wittenberg, Halle, Germany

227 Intraoperative Monitoring During Surgery in the Cerebellopontine Angle: A New Tympanic Electrode 15min
Lehmberg J, Grauvogel J, Rosahl SK
Dept. of Neurosurgery, Albert-Ludwigs-University Freiburg, Freiburg, Germany

228 Intraoperative Changes of Brainstem Auditory Evoked Potentials During the Trigeminocardiac Reflex in Cerebellopontine Angle Surgery 8min
Gharabaghi A, Acioly MA, Carvalho CH, Koerbel A, Löwenheim H, Tatagiba M
Department of Neurosurgery, University of Tübingen, Tübingen, Germany

229 Various Strategies of Intraoperative Monitoring of Hearing During CPAT Surgery 8min
Morawski K, Niemczyk K, Bohorquez J, Telischi F
Dept. of Otolaryngology, Medical University of Warsaw, Warsaw, Poland

230 Diagnosis and Treatment Algorithm in Cases of Head Deformity 8min
Riecke B, Heiland M, Delling G, Blake F, Schmelzle R, Regelsberger J
Dept. of Oral and Maxillofacial Surgery, University of Hamburg, Hamburg, Germany
Analysis of Anterior Skull Base Surgery in Children
Tichý M, Kozák J
Dept. of Neurosurgery, University Hospital Motol, Prague, Czech Republic

Growth of the Anterior Cranial Fossa Following Frontoorbital Advancement
Klein C, Gerlach R
Center for Craniofacial and Plastic Surgery, Johann Wolfgang Goethe- University Frankfurt/ Main, Frankfurt/ Main, Germany

Early Fronto-Orbital Remodelling for Trigonocephaly
Kadri H, Mawla AA
Moassat University Hospital, Damascus, Syria

12.00-13.30 Lunch and Luncheon Seminars

13.30-15.30 Prague D
Session: Navigation II
Schmelzeisen R, Steudel Wl, Gellrich N-C

Navigation Surgery of the Base of the Skull
Bootz F
Dept. of Otorhinolaryngology, University of Bonn, Bonn, Germany

Pros and Cons for a Magnet-Based Navigation Device for Sinus and Anterior Skull Base Surgery. Lariboisière Experience with Digipointeur
Herman P, Sauvaget E, Kania R, Tran Ba Huy P
Dept. of Otorhinolaryngology, Lariboisière Hospital, Paris, France

Increasing Safety in Lateral Skull Base Surgery by Navigation
Schmelzeisen R, Metzger M
Dept. of Craniomaxillofacial Surgery, Albert-Ludwigs-University Freiburg, Freiburg, Germany

Computer-Assisted Surgery in Craniomaxillofacial Surgery
Gellrich N-C
Klinik und Poliklinik für Mund, Kiefer und Gesichtschirurgie, Hannover, Germany
238 **Sonography Aided Computer Assisted Surgery (SACAS) in Orbital and Parapharyngeal Skull Base Surgery**  
Maier W, Lohnstein PU  
Dept. of ORL, University of Freiburg, Freiburg, Germany

239 **Image-Guided Craniotomy for Frontal Sinus Preservation**  
Gharabaghi A, Samii A, Rosahl SK, Feigl GC, Samii M, Tatagiba M  
Department of Neurosurgery, University of Tübingen, Tübingen, Germany and International Neuroscience Institute, Hannover, Germany

240 **Increased Safety in Computer Assisted Skull Base Surgery by Navigation-Guided Transmandibular Approach**  
Weyer N, Schoen R, Metzger M, Niemeyer C, Schmelzeisen R  
Dept. of Craniomaxillofacial Surgery, Albert-Ludwigs-University Freiburg, Freiburg, Germany

241 **Guidance of the Microanatomical Landmarks in Expanded Anteromedial Triangle Approach at Intradural Transcavernous Surgery**  
İldan F, Goçer Al, Tuna M  
Dept. of Neurosurgery, Çukurova University, School of Medicine, Adana, Turkey

242 **Robotor-Assisted Surgery at the Lateral Skull Base**  
Majdani O, Rau Th, Eilers H, Baron S, Lenarz Th, Leinung M  
Dept. of Otorhinolaryngology, Medical University of Hannover, Hannover, Germany

243 **Craniofacial Approach for Resection of Large Paranasal Tumors Involving the Anterior Skull Base and Upper Clivus Lesions Guided by Navigation Techniques**  
Nakamura M, Stöver T, Majdani O, Lorenz M, Lenarz T, Krauss JK  
Dept. of Otorhinolaryngology, Medical University of Hannover, Hannover, Germany

244 **Bioactive Glass in Fronto-Orbital and Skull Surgery**  
Aitasalo K, Vuorinen V  
Dept. of ORL H&N Surgery, Turku University Hospital, Turku, Finland

15.30-16.00 **Coffee Break (poster presentation 58-75)**
16.00-16.30 Prague D
Session: Posterior Fossa Meningiomas II
Calbucci F, Deveze A, Morcos J

245 Petrous Bone Meningiomas 10min
Calbucci F
Neurosurgical Dept., Bellaria Hospital, Bologna, Italy

246 Transpetrosal Approaches for Cerebellopontine Angle Meningiomas: Multidisciplinary Experience in 43 Cases 10min
Deveze A, Franco-Vidal V, Liguoro D, Guerin J, Loiseau H, Darrouzet V
Dept. of Otolaryngology and Skull Base Surgery, Hôpital Nord, University of Marseille-Méditerranee, Marseille, France and Bordeaux, France

247 Long-Term Experience of Gamma Knife Radiosurgery for benign Skull Base Meningiomas 8min
Dept. of Neurosurgery, Medical University Graz, Graz, Austria

16.30-17.30 Prague D
RT6 Round Table: Petroclival Meningiomas 60min
Morcos J, Seifert V, Nanda A, Calbucci F, Schackert G

20.00 Banquet (Diplomat Hotel)
10.00-11.00 Vienna
Session: Brainstem Implants
Chair: Rabischong P, Angel Ramos, Lenarz T

248 How To Build a Human Ear? 20min
Rabischong P
Centre Propara, Faculty of Medicine of Montpellier, Montpellier, France

249 Brainstem Implant in Case of Obliterated Cochlea, Are They Justified? 15min
Ramos Angel M
Dept. of Otorhinolaryngology, Las Palmas University, Las Palmas, Gran Canaria, Spain

250 Clinical Aspects of ABI 8min
Laszig R
Dept. of Otorhinolaryngology-Head and Neck Surgery, University of Freiburg, Freiburg, Germany

11.10-12.00 Vienna
RT4 Round Table: Anterior Skull Base Malignancies 50min
Draf W, Rampling R, Castelnuovo P, Donald PJ

12.00-13.30 Lunch and Luncheon Seminar

13.30-15.30 Vienna
Session: Lesions of the Orbit
Chair: Rosen Cl, Schick U

251 Different Surgical Approaches to the Orbit 15min
Schick U
Clinic of Neurological Surgery, Wedau Kliniken, Duisburg, Germany

252 Collaborative Approaches to Orbital Cranial Disease: Ophthalmic Perspective 15min
Sivak-Callcott JA, Rosen Cl, Rassekh CH, Van Der Sloot P, Karlsson B
Dept. of Ophthalmology, West Virginia University Eye Institute and Dept. of Neurosurgery, West Virginia University, Morgantown, USA
<table>
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<tr>
<th>Session</th>
<th>Title</th>
<th>Duration</th>
<th>Speaker(s)</th>
<th>Institute(s)</th>
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<tr>
<td>253</td>
<td><strong>Multimodal and Interdisciplinary Treatment of Orbital Tumors</strong></td>
<td>15min</td>
<td>Kaminsky J, Will B, Schuck N, Westendorff C, Hoffmann J</td>
<td>Dept. of Neurosurgery, University Hospital Freiburg, Freiburg, Germany</td>
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<td>255</td>
<td><strong>TBA</strong></td>
<td>15min</td>
<td>Wright D</td>
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<td>256</td>
<td><strong>Asymptomatic Cavernous Sinus Meningiomas - to Watch or to Treat?</strong></td>
<td>15min</td>
<td>Karlsson B, Rosen CL, Lippitz B, Söderman M</td>
<td>Dept. of Neurosurgery, West Virginia University, Morgantown, USA</td>
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<td>257</td>
<td><strong>Dismantling and Reassembling of The Facial Skeleton: Another Approach to the Cranial Base</strong></td>
<td>15min</td>
<td>Manlio Galie, Luigi Clauser</td>
<td>Unit of Cranio Maxillo Facial Surgery, Ferrara, Italy</td>
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**15.30-16.00** Coffee Break (poster presentation 58-75)

**16.00-17.30** Vienna

Session: Facial Nerve Reanimation

**O’Reilly BF, Darrouzet V, Krishnan KG**

<table>
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<tr>
<td>258</td>
<td><strong>Facial Nerve Tumours</strong></td>
<td>15min</td>
<td>Trabalzini F</td>
<td>Dept. of Oto-Surgery, Padova University Hospital, Padova, Italy</td>
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<td>259</td>
<td><strong>Objective Method of Assessing Facial Palsy by Automated Computer Video Recordings using Artificial Neural Networks</strong></td>
<td>15min</td>
<td>O’Reilly BF, Soraghan JJ, McGrenary S, Phil M, Shu He M</td>
<td>Institute Neurological Sciences, Southern General Hospital, Glasgow, UK</td>
</tr>
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</table>
260 Long-Term Results of Side-to-End Hypoglossal-Facial Anastomosis with Intratemporal Facial Nerve Rerouting. A 12-year experience of 15 cases
Darrouzet V, Franco-Vidal V, Convert C, Liguoro D  15min
Dept. of Oto-Laryngology and Skull Base Surgery, University Hospital of Bordeaux
University Victor Ségalen, Bordeaux, France

261 The Lesions of the Facial Nerve and a Surgical Reconstruction Algorithm
Krishnan KG  15min
Dept. of Neurological Surgery, Carl Gustav Carus University Hospital, Dresden, Germany

262 Direct Intratemporal Facial Nerve Reconstruction  8min
Vachata P, Sameš M
Dept. of Neurosurgery, Masaryk Hospital, Anatomical Skull Base Lab, University JEP, Ústí nad Labem, Czech Republic

263 Comparison of Lengthening Temporalis Myoplasty and Hypoglossal-facial Nerve Anastomosis for Facial Rehabilitation  8min
Sauvaget E, Kecskés G, Kania R, Herman P, Tran Ba Huy P
Dept. of Otorhinolaryngology, Lariboisière Hospital, Paris, France

264 Outcomes of Facial Nerve Palsies after Lateral Cranial Base Surgery  8min
Zanetti D, Casigli F, Nassif N, Stefini R
Dept. of Otolaryngology, University of Brescia, Brescia, Italy

265 Otogenic Facial Paralysis  8min
Djeric D, Kourimska J
Institute of Otorhinolaryngology and Maxillofacial Surgery, University Clinical Center, Belgrade, Serbia

17.30-18.00 General Assembly of the European Skull Base Society

20.00 Banquet (Diplomat Hotel)
SATURDAY, 5.5.2007

8.00- 8.45 Prague A+B+C
RT7 Round Table: Evaluating Results 60min
Chair: Nanda A, Fagan PA, Bertalanffy H, Donald PJ

266 Unbearable Lightness of Honesty in Skull Base Complications 15min
Nanda A
Dept. of Neurosurgery, LSU Health Sciences Center
Shreveport, USA

8.45-9.30 Prague A+B+C
RT8 Round Table: Future of the Skull Base Surgery 45min
Tran Ba Huy P, Oliver B, Nicolai P, Snyderman C, Galzio RJ

9.30-10.00 Coffee Break

10.00-12.00 Prague A+B
Session: Cavernous Sinus
Sepehrnia A, Dolenc V, Knosp E

267 Anatomy of the Cavernous Sinus 15min
Sepehrnia A, Terwey S
Dept. of Neurosurgery, Clemenshospital, Münster, Germany

268 Cavernous Sinus Surgery 15min
Dolenc VV
Dept. of Neurosurgery, University Hospital Centre, Ljubljana, Slovenia

269 Surgical Outcome of Cavernous Sinus Meningioma Based on Source of Origin 15min
Krisht AF, Oinas M, Partington S
Dept. of Neurosurgery, University of Arkansas for Medical Sciences,
Little Rock, USA
270 Cavernous Sinus Meningiomas
Knosp E
Dept. of Neurosurgery, Medical University Vienna, Vienna, Austria

271 Spheno-Cavernous-Clival Meningiomas: Surgical Strategy
Calbucci F
Neurosurgical Dept., Bellaria Hospital, Bologna, Italy

272 Stereotactic Radiosurgery for Skull Base Meningiomas and Other Skull Base Tumours
Rowe J
National Centre for Stereotactic Radiosurgery, Royal Hallamshire Hospital, Sheffield, United Kingdom

273 Cavernous Sinus Meningiomas: Two Surgical Strategies and One Algorhythm of Behavior
Delfini R, Santoro A, Pichierri A
Dept. of Neurological Sciences - Neurosurgery, University of Rome “Sapienza”, Rome, Italy

274 Modern Management of Parasellar Meningiomas
Bertalanffy H
Dept. of Neurosurgery, Philipps University, Hospital, Marburg, Germany

275 Suggested Indications for Cavernous Sinus Exenteration in Malignant Disease of the Skull Base
Jebreel AB, Westin TAB, Yousefpoor A, Fitzgerald A, Carroll TA
Sheffield Teaching Hospitals NHS Foundation Trust, Sheffield, United Kingdom

276 Cavernous Sinus Meningiomas: Surgical Strategies and Outcome in 111 Cases Treated over a Period of 14 Years
Dept. of Neurosurgery, “S.Salvatore” Hospital, L’Aquila, Italy

277 Surgical Treatment of Petrocical Meningioma for Maintaining Long-Term QOL
Kayama T, Sakurada K, Kuroki A, Tsuchiya D, Takemura S, Ito M
Dept. of Neurosurgery, Yamagata University School of Medicine, Yamagata, Japan

12.00-13.30 Lunch and Luncheon Seminars
Management of Intracranial aneurysms; Is Microneurosurgery Stagnating?
Hernesniemi J, Dashti R, Albayrak B S, Sillero R, Ishii K, Karatas A
Dept. of Neurosurgery, Helsinki University Central Hospital, Helsinki, Finnland

Skull Base Approaches for Complex Vertebrobasilar Aneurysms
Dept. of Neurosurgery, “S.Salvatore” Hospital, L’Aquila, Italy

Subtemporal Approach to Basilar Tip Aneurysms
Hernesniemi J, Dashti R, Albayrak BS, Sillero R, Karatas A, Ishii K
Dept. of Neurosurgery, Helsinki University Central Hospital, Helsinki, Finnland

Unusual Intracranial Lesions Managed with Skull Base Neurosurgical Approaches - Why We Need to Continually Emphasize Cerebrovascular/Skull Base Training in Neurological Surgery
Chang DJ
Dept. of Neurosurgery, University of California Davis Medical Center, Sacramento, USA

The New Aneurysm Clip System for Complex Aneurysm Surgery
Lumenta CB
Dept. of Neurosurgery, Academic Teaching Hospital Bogenhausen, Munich, Germany

AVM Treatment 1998-2006 – Prospectively Followed Series of 149 Patients
Beneš V II, Charvát F, Bradáč O
Dept. of Neurosurgery, Charles University, Central Military Hospital, Prague, Czech Republic

Combined Low and High-flow Extra-intracranial Bypass – Our Indication and Technique
Přibáň V, Fiedler J
Dept. of Neurosurgery, Hospital České Budějovice, České Budějovice, Czech Republic
285 **Retrosigmoid Approach to Ventro-Lateral Pontine AVM** 8min
Jung C-K
Dept. of Neurosurgery, Konyang University Hospital, Nonsan, Korea

286 **Self-Closing U-Clip for Intracranial Microvascular Anastomosis: Report of Three Cases** 8min
Instituto Nazionale Neurologico Carlo Besta, Milano, Italy

287 **Endoscope-Assisted Microneurosurgery for Intracranial Aneurysms** 12min
Dept. of Neurosurgery, “S.Salvatore” Hospital, L’Aquila, Italy

15.30-16.00 **Coffee Break**

16.00-16.45 Prague A
RT11 **Round Table: Semantics** 45min
Draf W, Beneš V II, Nanda A, Pauw B, Fagan PA

288 **Optochiasmatic Region Surgery** 10min
Beneš V II
Dept. of Neurosurgery, Charles University, Central Military Hospital, Prague, Czech Republic

17.00-18.00 **Prague A+B**

289 **Special Lecture: Endoscopic Skull Base Surgery. The First Decade: My Personal Experience in 700 Patients, Outcomes and Complications** 60min
Kassam A
Dept. of Neurosurgery, University of Pittsburgh Medical Center, Pittsburgh, USA

18.00 **Adjourn (Pauw B, Benes V II)**
13.30-14.30 Prague B
Session: Craniofacial trauma
Chair: Neukam FW, Hemza J

290 Secondary Reconstruction of Orbital Walls after Craniofacial Trauma 15min
Neukam FW, Nkenke E
Dept. of Maxillofacial Surgery, University of Erlangen-Nürnberg, Erlangen, Germany

291 The Skull Base Trauma - Management and Treatment 12min
Hemza J
Dept. of Neurosurgery, Hospital at saint Ann, Brno, Czech Republic

292 Short and Longterm Results of the Surgical Management of the Frontobasal Fractures 8min
Lanišnik B
Dept. for ENT Head and Neck Surgery, Maribor, Slovenia

293 Surgical Treatment of Temporobasal Injury 8min
Choc M, Mork J, Runt V, Bludovský D
Dept. of Neurosurgery, University Hospital in Pilsen, Pilsen, Czech Republic

294 Management of Iatrogenic Skull Base Defects 8min
Bossolesi P, Locatelli D, Pistochni A, Bignami M, Delu G, Castelnuovo P
Dept. of Otorhinolaryngology, Insubria University Varese, Varese, Italy

295 The Endoscope-Assisted Surgery of the Traumatized Midface 8min
Sehhati-Chafai-Leuwer S, Bschorer R
Dept. of Oral and Maxillofacial Surgery, University of Hamburg Medical School
Hamburg, Germany

296 Management of Mass-Bleeding in the Area of The Skull Base: Prevention, Diagnostics and Therapy Options 8min
Stöver T, Majdani O, Leinung M, Götz F, Becker H, Lenarz T
Dept. of Otorhinolaryngology, Medical University of Hannover, Hannover, Germany
14.40-15.30 Prague B
RT9 Round Table: Cavernous Sinus 60min
Dolenc VV, Knosp E, Krisht AF, Delfini R, Landeiro JA

15.30-16.00 Coffee Break

16.00-17.00 Prague B
Session: Awards and Education
Chair: Lenarz T

297 Skull Base Education and Training 15min
Lenarz T
Dept. of Otorhinolaryngology, Hannover Medical University, Hannover, Germany

298 What Is The Definition of “Competence” In Intracranial Aneurysm Surgery? 15min
Chang DJ
Dept. of Neurosurgery, University of California Davis Medical Center, Sacramento, USA

ESBS Awards: Poster, Clinical, Basic Science Research

18.00 Adjourn (Pauw B, Benes V II) Prague A
10.00-12.00  Prague C  
Session: Skull Base Malignancies  
Dublin AB, Cantu G, Donald PJ

299  Craniofacial Resection for Malignancies  
Cantu G  
Dept. of Cranio-Maxillo-Facial Surgery, Istituto Nazionale per lo Studio e la Cura dei Tumori (National Cancer Institute), Milano, Italy

300  Skull Base Surgery for Malignancy: Implications of Dural and Brain Invasion  
Donald PJ  
Dept. of Otorhinolaryngology, University of California, Davis, Sacramento, USA

301  Impact on Survival of Skull Base Involvement in Sinonasal and Nasopharyngeal Tumors  
Carlos Suárez N  
Dept. of Otorhinolaryngology, Hospital Universitario Central de Asturias, Oviedo, Spain

302  Endoneurosurgery  
Oliver B  
Dept. of Neurosurgery, Centro Medico Teknon, Barcelona, Spain

303  Endoscopic Transsphenoidal Surgery for Cholesterol Granulomas Involving the Petrous Apex: A Safe and Effective Approach  
Herman P, Georgalas C, Kania R, Sauvaget E, Tran Ba Huy P  
Dept. of Otorhinolaryngology, Lariboisière Hospital, Paris, France

304  Petrous Temporal Bone Cholesteatoma: A New Classification and the Longterm Results of Surgery  
Axon P, Moffat D, Jones S, Smith W  
Dept. of Otorhinolaryngology, Addensbrooke’s Cambridge University Teaching Hospitals NHS, Foundation Trust, Cambridge, United Kingdom

305  Infratemporal Fossa Tumor with Extension to Cranial Base  
Mohammadi S  
Iran Medical University, Tehran, Iran
306 Malignant Granular Cell Tumour of the Skull Base 8min
Meling TR, Fridrich K, Evensen J, Nedregaard B
Dept. of Neurosurgery, The National Hospital Oslo, Oslo, Norway

307 Extradural Dermoid Tumor of the Petrous Apex 8min
Delgado M, Ammirati, M
Dept. of Neurological Surgery, Ohio State University, Columbus, USA

308 Endoscopic Assisted Craniofacial Resections 8min
Prepageran N, Chandran TH, Nanra J
Kuala Lumpur, Malaysia

12.00-13.30 Lunch and Luncheon Seminars

13.30-15.30 Prague C
309 Special Session: Virtual Reality Skull Base Surgery: 3-D Demonstration of Operative Procedures 120min
Abdulrauf S
Dept. of Neurosurgery, St. Louis University School of Medicine, St. Louis, USA

15.30-16.00 Coffee Break

16.00-17.20 Prague C
Session: Vestibular Schwannomas – IV
Chair: Pareschi R, Zvěřina E

310 Differences in Microsurgical Treatment of Small (Grade 1, 2) and Large (Grade 3,4) Vestibular Schwannomas 15min
Betka J, Zvěřina E, Chovanec M, Skřivan J, Kluh J, Kraus J
Dept. of Otorhinolaryngology, Head and Neck Surgery, Prague, Czech Republic

311 Perioperative Complications in Vestibular Schwannoma Surgery 15min
Pareschi R
Dept. of Otorhinolaryngology, Ospedale Civile Legnano, Milano, Italy
312 Malignant Transformation of a Vestibular Schwannoma Remnant 19 years after Fractionated Radiation Therapy 8min
Darrouzet V, Franco-Vidal V, Perret C, Eimer S, Maire JP
Dept. of Oto-Laryngology and Skull Base Surgery, University Hospital of Bordeaux
University Victor Ségalen, Bordeaux, France

313 Surgical Management of Intracranial Facial Nerve Schwannoma 8min
Sauvaget E, Cornelius J, Kania R, Herman P, Tran Ba Huy P
Dept. of Otorhinolaryngology, Lariboisière Hospital, Paris, France

314 Small and Medium Sized Vestibular Schwannomas: Management Strategies, Outcome and Quality of life 8min
El-Maghraby H, Bradord R, Collis C, Wright A
Royal Free and University College Hospital Medical School, London, United Kingdom

315 Localization of the Internal Auditory Canal in Anterolateral Transpetrosal Approaches – Cadaver and Radiological Analysis 8min
Vachata P, Sameš M, Petrovický P
Dept. of Neurosurgery, Masaryk Hospital, Anatomical Skull Base Lab, University JEP, Ústí nad Labem, Czech Republic

316 Importance of the Meckel’s Cave Anatomy in Skull Base Surgery 8min
Batay F, Karasu A, Al-Mefty O
Bayindir Hospital Neurological Sciences, Division of Neurosurgery, Ankara, Turkey and Dept. of Neurosurgery, University of Arkansas, Little Rock, USA

317 Midline Transmandibular Approach and Other Less Common Approaches to Skull Base 8min
Paska J, Jirák P, Chrobok J, Šetlík M, Machoň V, Janoušek P
Dept. of E.N.T. and Head and Neck Surgery, Na Homolce Hospital, Prague, Czech Republic

18.00 Adjourn (Pauw B, Benes V II) Prague A
10.00-12.00 Prague D  
Session: Skull Base Reconstruction  
Chair: Schwager K, Darrouzet V, Castelnuovo P

318 Reconstruction of the Lateral Skull Base – Material, Methods, Indication  
Schwager K, Behr R, Hofmann E, Vosschulte R, Soldner F, Hilterhaus F  
ENT-Dept., Dept. of Neurosurgery and Dept. of Diagnostic and Interventional Neuroradiology, Klinikum Fulda, Klinikum Fulda, Fulda, Germany  
15min

319 How to Avoid CSF Leak or Meningitis in the Postoperative Course of Vestibular Schwannoma: Our Experience of 345 Cases over 6 Years  
Darrouzet V, Franco-Vidal V, Convert C, Liguoro D  
Dept. of Oto-Laryngology and Skull Base Surgery, University Hospital of Bordeaux University Victor Ségalen, Bordeaux, France  
15min

320 Long-term Follow-up of Skull Base Duraplasty  
Castelnuovo P  
Dept. of Otorhinolaryngology, University of Insubria, Varese, Italy  
15min

321 Standardized Orbital Implants for Computer-Aided Reconstruction of the Orbital Cavity  
Dept. of Oral and Maxillofacial Surgery, University Hospital Freiburg, Freiburg, Germany  
15min

322 Beta Trace Protein Test: Modern Screening Method for CSF Rhinorrhea Diagnosis  
Meço C, Oberascher G, Arrer E  
dept. of Otolaryngology - Head and Neck Surgery, Ankara University and Dept. of Otolaryngology - Head and Neck Surgery, Salzburg Paracelsus University, Salzburg, Austria  
8min

323 Surgical Experience of Sellar Floor Reconstruction Using the Silicone Plates  
Kim JM, Cheong JH  
Dept. of Neurosurgery, Hanyang University Guri Hospital, Seoul, Korea  
8min
324 New Model of Bone Reconstruction Specially Designed for Skull Base Surgery - Longtesting in Primates  
Charalampaki C, Heimann A, Kopacs L, Kempski O  
Neurosurgical Dept., University Mainz, Mainz, Germany

10min

325 Cranioplasty with Palakos or Autologous Bone Dust after Lateral Suboccipital Craniectomy  
Lehmberg J, Rosahl SK  
Dept. of Neurosurgery, Albert-Ludwigs-University Freiburg, Freiburg, Germany

8min

326 Cranioplasty of Fronto-orbital Defects  
Sipity VI, Ganulich TV, Babalyan YA, Avrunin OG  
Dept. of Neurosurgery, Kharkov state medical university, Kharkov, Ukraine

8min

327 Titanium Mesh for the Repair of Skull Base Bone Defects  
Bláha M, Tichy M, Schwab J, Pekař L, Kozák J  
Dept. of Neurosurgery, Faculty Hospital Motol, Prague, Czech Republic

8min

328 Our Experience with MR-cisternography and the Treatment of Spontaneous CSF Fistulae in Anterior Cranial Fossa  
Mircevski V, Agai Lj, Domazetov R, Petrusevska A, Donev Lj  
Neurosurgical Clinic, Clinical Center Skopje, Skopje, Macedonia

8min

12.00-13.30 Lunch and Luncheon Seminars

13.30-14.30 Prague D
Session: Anterior Skull Base Meningiomas – II  
Chair: Meixensberger J, Steudel WI

329 Skull Base Meningiomas and Their Recurrences on the Basis of Trees Mixtures as a Biostatistical Model of the Clonal Cytogenetic Evolutions of Meningiomas  
Steudel WI, Urbschat S, Henn W, Rahnenführer J, Ketter R,  
Dept. of Neurosurgery, Saarland University, Homburg/Saar, Germany

15min
330 Surgical Treatment and Outcome of Atypical Meningiomas
Ito E, Saito K, Nagatani T, Ohi S, Aimi Y, Yoshida J
Dept. of Neurosurgery, Nagoya University Graduate School of Medicine
Nagoya, Japan

331 Surgery and Intra-operative Radiation Therapy (IORT) in Treatment of
Advanced Cancer of External and Middle Ear
National Cancer Institute - Regina Elena, Rome, Italy

332 Temporal Bone Cholesteatoma: Surgical Results and Management of the
Facial Nerve
Danesi G, Panciera DT
Dept. of ENT and Microsurgery of the Skull Base, Bergamo, Italy

14.30-15.30 Prague D
RT10 Round Table: Vestibular Schwannoma (Treatment Modality)
Morcos J, Schackert G, Rowe J, Gjuric M, Lenarz T

15.30-16.00 Coffee Break

16.00-17.20 Prague D
Session: Complications
Chair: Herman P, Rosen CL, Cheesman AD

333 Microvascular Decompression
Kassam A
Dept. of Neurosurgery, University of Pittsburgh Medical Center, Pittsburgh, USA

334 Outcome and Complications of the Extended Subcranial Approach to the
Anterior Skull Base: The Tel Aviv Experience
Fliss DM, Margalit N, Gil Z
Dept. of Otolaryngology, Head and Neck Surgery, Tel Aviv Sourasky Medical
Center, Tel-Aviv, Israel
Complication Avoidance in Anterior Cranial Base Surgery
Rosen CL
Dept. of Neurosurgery, West Virginia University, Morgantown, USA

How to Prevent – and Treat - Complications Caused by Endoscopic Sinus Surgery
Herman P
Dept. of Otorhinolaryngology, Lariboisière Hospital, Paris, France

Complications in Skull Base Surgery
Tran Ba Huy P
Dept. of Otorhinolaryngology, Lariboisière Hospital, Paris, France

18.00 Adjourn (Pauw B, Benes V II) Prague A
10:00-12:00 Vienna
Session: Expanded Endonasal Surgery - Special Course
Chair: Kassam A, Snyderman C

338 Expanded Endonasal Surgery Training
Kassam A, Snyderman C
Dept. of Neurosurgery, Dept. of Otolaryngology-Head and Neck Surgery, University of Pittsburg, Medical Center, Pittsburgh, USA

339 Objective Assessment of a Bimanual Technique for Access to the Nasal Cavity and Anterior Skull Base
Hornigold R, Hogan S, Watts S, Bello F
Dept. of Otorhinolaryngology, Brighton and Sussex University Hospitals Trust and Imperial College, London, United Kingdom

340 Classification of Minimaly Invasive Transnasal (Endo-neurosurgical) Tumor Surgery
Holzmann D, Bernays RL
Dept. Otorhinolaryngology & HNS University Hospital Zurich, Zurich, Switzerland

12.00-13.30 Lunch and Luncheon Seminars

13.30-15.30 Vienna
Session: Craniopharyngiomas
Chair: Šteňo J, Buchfelder M, Krisht AF

341 Accessibility and Resectability of Craniopharyngiomas
Šteňo J
Dept. of Neurosurgery, Comenius University, Bratislava, Slovakia

342 Craniopharyngiomas
Buchfelder M
Dept. of Neurosurgery, University of Erlangen-Nürnberg, Erlangen, Germany
343 **Craniopharyngiomas in Adults and Pediatric Patients**  
Tamašauskas A, Deltuva V, Matukevicius A, Silkūnas D, Šinkūnas K, Škudas G  
Dept. of Neurosurgery, Institute of Biomedical Research, Kaunas Medical University,  
Kaunas, Lithuania

344 **Transclinoideal Pretemporal Approach for Safer Resection of Retrochiasmatic Craniopharyngiomas**  
Krisht AF, Torres A, Bikmaz K  
Dept. of Neurosurgery, University of Arkansas for Medical Sciences  
Little Rock, USA

345 **Transclinoideal Pretemporal Approach for Safer Resection of Retrochiasmatic Craniopharyngiomas: Outcome Analysis in 17 Patients**  
Bikmaz K, Krisht AF  
Ministry of Health Okmeydani Educational and Research Hospital, Istanbul, Turkey  
and Dept. of Neurosurgery, University of Arkansas for Medical Sciences,  
Little Rock, USA

346 **Endoscopy Assisted Microsurgical Removal of Giant Craniopharyngioma in Childhood**  
Kadri H, Mawla AA  
Moassat University Hospital, Damascus, Syria

347 **Safe Extradural Anterior Clinoidectomy**  
Fiedler J, Přibáň V, Chlouba V  
Dept. of Neurosurgery, Hospital České Budějovice, České Budějovice, Czech Republic

348 **Extension of the One-Piece Orbitozygomatic Frontotemporal Approach to the Glenoid Fossa**  
Froelich S, Aziz KA, Levine NB, Tew JM Jr., Keller JT, Theodosopoulos PV  
Dept. of Neurosurgery, University of Strasbourg, Strasbourg, France and Dept. of Neurosurgery, University of Cincinnati, USA

15.30-16.00 Coffee Break
349 Controversies in the Management of Paraganglioma of the Jugulare Foramen
Tran Ba Huy P, Benhamed R
Dept. of Otorhinolaryngology, Lariboisière Hospital, Paris, France
15min

350 Surgery at the Jugular Foramen Level
George B
Dept. of Neurosurgery, Hospital Lariboisière, Paris, France
15min

351 Surgery of Glomus Jugulare Tumors
Pareschi R, Colombo S, Mincione A
Dept. of Otorhinolaryngology, Ospedale Civile Legnano, Milano, Italy
15min

352 Results of the Transmastoid-Infralabyrinthine Approach for Jugular Paraganglioma
Gjuric M
Dept. of Otolaryngology, University of Zagreb, Zagreb, Croatia
15min

353 Surgery of Tympanojugular Chemodectomas - Own Results
Skřivan J, Zvěřina E, Kluh J, Chovanec M, Pádr R
Dept. of Otorhinolaryngology, Head and Neck Surgery, Prague, Czech Republic
8min

354 New Strategies in the Treatment of Timpano Jugular Paraganglioma
Danesi G, Zanoletti E
Dept. of ENT and Microsurgery of the Skull Base, Bergamo, Italy
8min

355 Unpredictable Origin of Large Schwannoma in the Jugular Foramen
Zanetti D, Gasparotti R, Stefini R, Nassif N
Dept. of Otolaryngology, University of Brescia, Brescia, Italy
8min

356 Management of Large Glomus Tumours
Al Otieschan A, Velagapudi S
Dept. of Otolaryngology, Head & Neck Surgery and Communication Sciences, Riyadh, Saudi Arabia
8min

16.00-17.40 Vienna
Session: Foramen Jugulare Tumors
Chair: Pareschi R, Tran Ba Huy P

18.00 Adjourn (Pauw B, Benes V II) Prague A
POSTER SESSION
(Poster presentations will be held during Coffee Breaks)

THURSDAY, 3.5.2007
9.30-10.00

1. Cavernous Sinus Meningiomas: Surgical Strategies and Outcome in 111 Cases Treated over a Period of 14 Years
Dept. of Neurosurgery, “S. Salvatore” Hospital, L’Aquila, Italy

Dept. of Neurosurgery, University of Messina, Messina, Italy

3. Trigeminal Neuralgia Due to Fusiform Aneurysm of Persistent Primitive Trigeminal Artery. Successful Endovascular Treatment. Case Report
Paterniti S, Longo M, Vinci S, Pitrone A, Levita A, Cambria M
Dept. of Neurosurgery, University of Messina, Messina, Italy

4. Aberrant Internal Carotid Artery in the Middle Ear: A Case Report
Piccioni LO, Pistorio V, Teggi R, Fabiano B, Bussi M
Istituto San Raffaele, Milano, Italy

5. Epilepsy Revealing Middle Ear Cholesteatoma Extending into the Cranial Fossa
Belcadhi M, Mani R, Ben Ali M, Abdelkefi M, Bouzouita K
Dept. of ENT, Farhat Hached Hospital, Sousse, Tunisia

6. Treatment of Anterior Fossa Fistula
Hanoun G, Mrlian A, Smrcka M, Vybíhal V
Dept. of Neurosurgery, Brno, Czech Republic

7. The Possibilities and Significance of Interdisciplinary Cooperation in Orbital Surgery
Pekař L, Bohutová J, Diblík P, Nejedlý A, Mazánek J
Dept. of Neurosurgery, University Hospital Motol, Prague, Czech Republic
8. **Pterional vs. Orbito-Zygomatico-Pterional Approach to the Basilar Artery Bifurcation-Morphometric Study**  
Dzierzanowski J, Sloniewski P  
Dept. of Neurosurgery, Medical University of Gdansk, Gdansk, Poland

9. **Intratumoral Hydrogen Peroxide Injection during Meningioma Resection**  
El-Noamany H, Hanafy A, Gaber E  
Menoufiya University Hospital, Menoufiya, Egypt

10. **Endoscopic Pituitary Surgery - Our Experience**  
Máca K, Svoboda T, Šteffl M  
Dept. of Neurosurgery, Univerzity Hospital Brno, Brno, Czech Republic

11. **Surgical Anatomy of the Temporal Branch of the Facial Nerve and Its Importance for Craniotomy**  
Schwab J, Bláha M, Pekař L, Tichý M  
Dept. of Neurosurgery, University Hospital Motol, Prague, Czech Republic

12. **Chordomas of the Clivus and Craniocervical Junction: Results and Follow-up after Surgical Resection**  
Bonicki W, Krajewski R, Oziębło A, Kunicki J, Poppe P, Kukwa A  
Dept. of Neurosurgery, Maria Skłodowska-Curie Memorial Cancer Center and Institute of Oncology, Warsaw, Poland

13. **Image Data based Resection of a Sphenoid Wing Meningioma Resection with Simultaneous CAD-CAM-Reconstruction of the Cranio-Orbital Region**  
Kaminsky J, Westendorff C, Hoffmann J  
Dept. of Neurosurgery, University Hospital Freiburg, Freiburg, Germany

14. **Alternative Draining Pathways after Petrosal Vein Occlusion: An Anatomic Study**  
Ebner F, Roser F, Shiozawa T, Koerbel A, Tatagiba M  
Dept. of Neurosurgery, Tübingen, Germany
15. **The Reconstruction of the Anterior Skull Base Defects after Craniofacial Tumor Resection**  
Shkout DN, Shanko YG  
Dept. of Neurosurgery, State Scientific Medical Center of Neurology and Neurosurgery, Minsk, Belarus

16. **Continued Grows and Recidivating of the Vestibular Schwannomas**  
Shanko YG  
Dept. of Neurosurgery of Belarussian Medical Academy of Postgraduate Education, Minsk, Belarus

17. **Management of an Extense Parotid Gland Carcinoma Reaching the Skull Base**  
Dept. of Craniomaxillofacial Surgery, Albert-Ludwigs-University Freiburg, Freiburg, Germany

18. **Intraorbital Osteoma Displacing the Optic Nerve: Minimal Invasive Endonasal Endoscopic Removal**  
Meço C, Kaya M, Yorulmaz I, Küçük B  
Department of Otolaryngology - Head and Neck Surgery, Ankara University  
Ankara, Turkey and Department of Otolaryngology - Head and Neck Surgery, Salzburg Paracelsus University, Salzburg, Austria

19. **Endonasal Endoscopic Removal of a Giant Schwannoma of the Pterygopalatine and Infratemporal Fossa**  
Meço C, Tuna H, Ünlü A, Küçük B  
Department of Otolaryngology - Head and Neck Surgery, Ankara University  
Ankara, Turkey and Department of Otolaryngology - Head and Neck Surgery, Salzburg Paracelsus University, Salzburg, Austria
20. **Transfacial Transsphenoidal Gunshot Wound: Endonasal Endoscopic Management and Duraplasty**  
Meço C, Tezcaner CZ, Tuna H, Attar A, Anadolu YR  
Department of Otolaryngology - Head and Neck Surgery, Ankara University  
Ankara, Turkey and Department of Otolaryngology - Head and Neck Surgery, Salzburg Paracelsus University, Salzburg, Austria

21. **Complication Rate of Skull Base Surgery in a Single Institution**  
Akiyama Y, Houkin K, Minamida Y, Minamida Y  
Dept. of Neurosurgery, Sapporo Medical University, Sapporo, Japan

22. **Middle Fossa Meningioma with Extracranial Extension: Staged Surgery Combined Transcranial and Endonasal Surgery**  
Imai K, Houkin K, Akiyama Y, Minamida Y  
Dept. of Neurosurgery, Sapporo Medical University, Sapporo, Japan

23. **Tuberculum Sellae Meningiomas: Surgical Outcomes and Technical Considerations**  
Minamida Y, Akiyama Y, Houkin K  
Dept. of Neurosurgery, Sapporo Medical University, Sapporo, Japan

24. **Transsphenoidal Supradiaphragmatic Intradural Approach for Tuberculum Sellae Meningiomas**  
Kim JM, Cheong JH  
Dept. of Neurosurgery, Hanyang University Guri Hospital, Seoul, Korea

25. **Surgical Treatment of Vertebral Artery and Posterior Inferior Cerebellar Artery Aneurysm with Transcondylar and Supracondylar Approach**  
Seo E, Cho Y, Kim S  
Dept. of Neurosurgery, Ewha Womans University, Seoul, Korea

26. **Intracerebral Aspergilloma in an Immunocompetent Patient Resulting In Focal Seizure, Cranial Nerve Impairment and Consecutive Hydrocephalus**  
Podlesek D, Mucha D, Pinzer T, Schackert G  
Klinik und Poliklinik für Neurochirurgie, Medizinische Fakultät Carl Gustav Carus, Technische Universität, Dresden, Germany
27. **Hormonally Inactive Macroadenoma of the Pituitary Gland and Non-Tumorous Cyst of the Optic Chiasm: A Case Report**  
Holl EM, Mokry M  
Dept. of Neurosurgery, Medical University Graz, Graz, Austria

28. **Central Neurocytoma: Eleven-Case Report and Review of Literature**  
Chen CL  
Taichung, Taiwan

29. **Transnasal Endoscopic Repair of Anterior Cranial Fossa Leaky Meningoencephalocele**  
Eghtedari F, Haghnegahdar A  
Shiraz University of Medical Sciences, Shiraz, Iran

30. **Jugular Foramen Syndrome Following Head and Neck/Skull Base Surgery**  
Fujimoto Y, Saito K, Ando A, Sugiura J, Nakashima T  
Dept. of Neurosurgery, Nagoya University Graduate School of Medicine, Nagoya, Japan

31. **Tumors of the CPA Presenting with Trigeminal Neuralgia**  
Buhl R, Mehdorn M, Sepehrnia A  
Dept. of Neurosurgery, Clemenshospital Münster, Münster, Germany

32. **Extensive Invasion of Skull Base by Basal Cell Carcinoma of the Scalp**  
Mahvash M, Nabavi A  
Dept. of Neurosurgery, University of Kiel, Kiel, Germany

33. **Intraneural Perineurioma of the Eight Cranial Nerve**  
Christoforidis M, Buhl R, Paulus W, Sepehrnia A  
Dept. of Neurosurgery, Clemenshospital Münster, Münster, Germany

34. **The Supraorbital Subfrontal Approach Through an Eyebrow Skin Incision for Anterior Cranial Fossa and Suprasellar Pathologies Treatment.**  
Bonicki W, Krajewski R, Kunicki J, Michalik R, Ozieblo A, Kukwa A  
Dept. of Neurosurgery, Maria Skłodowska-Curie Memorial Cancer Center and Institute of Oncology, Warsaw, Poland
35. **Huge Cholesterol Granuloma Cysts: A Treatment Rationale**  
Chang KH, Park KH, Song CE, Yeo SW  
Dept. of Otolaryngology-HNS, College of Medicine, The Catholic University of Korea, Seoul, Korea

36. **Expression of Neural Cell Adhesion Molecule and Polysialic Acid in Cultured Spiral Ganglion Neurons**  
Park KH, Jang KH, Yeo SW, Rask-Andersen H, Troy FA  
Dept. of Otolaryngology HNS, The Catholic University of Korea, Seoul, Korea, Uppsala, Sweden and Sacramento, USA

37. **Rare Extracranial Localization of Primary Intracranial Neoplasm**  
Arndt S, Dämmrich T, Aschendorff A, Kaminsky J, Maier W  
Dept. of Otorhinolaryngology, University of Freiburg, Freiburg, Germany

38. **Factors Determining the Incomplete Removal of Tumors and Other Orbital Lesions**  
Hendryk S, Pojda W  
Dept. of Neurosurgery in Katowice, Silesian Medical University, Katowice, Poland
39. Craniofacial Resection of Sinonasal Anterior Skull Base Tumours  
Meling TR, Kragerud B, Osnes T  
Dept. of Neurosurgery, The National Hospital Oslo, Oslo, Norway

40. Value of Hyperbaric Oxygen in the Therapy of Expansive Osteomyelitis of the Skull Base  
Sandner A, Röpke E  
Dept. of Otorhinolaryngology, Head and Neck Surgery, Martin Luther University Halle-Wittenberg, Halle-Wittenberg, Germany

41. Endovascular Management of Delayed Vascular Lesions in Cavernous Sinus after Transarterial Embolisation of Traumatic Carotid-Cavernous Fistulas  
Luo C-B, Guo W-Y, Chang F-C, Teng MMH, Chang C-Y  
Dept. of Radiology, Taipei Veterans General Hospital and National Yang-Ming University School of Medicine Taipei, Taiwan

42. Pituitary Gland Surgery at King Hussein Medical Center  
Al-Shurbaji A, Hadad F  
King Hussein Medical Center, Amman, Jordan

43. Plasmocytoma Mimicking Jugular Paraganglioma  
Maier W, Boedeker CC  
Dept. of ORL, University of Freiburg, Freiburg, Germany

44. Facial Nerve and Chronic Otitis Media  
Soekin S  
Proklamsi ENT Hospital, Jakarta, Indonesia

45. Malignant Familial Glomus Jugulare Tumor. A Case Report  
Bertuccio A, Fioravanti A, Bartolini S, Badaloni F, Calbucci F  
Dept. of Neurosurgery, Bellaria Hospital, Bologna, Italy

46. Penetrating Gunshot Wounds to The Orbit and Anterior Skull Base  
Halil Ibrahim Secer, Bulent Duz, Engin Gonul  
Ankara, Turkey
47. **Cerebral Oxygenation, Vascular Reactivity and Biochemistry Following Decompressive Craniectomy for Traumatic Brain Injury (TBI)**  
Chi Long Ho, Ivan Ng, Christopher BT Ang, KK Lee  
National Neuroscience Institute Singapore, Jalan Tan Tock Seng, Singapore

48. **Paget's Cervical Disease with Spinal Cord Compression and Atlanto-Axial Instability: A Case Report**  
Tessitore E  
Neurosurgical Unit, University Hospital, Naples, Italy

49. **Pathological Fractures from Cranio-Cervical Polyostotic Fibrous Dysplasia Treated with Percutaneous Vertebroplasty: A Case Report**  
Baig M, Dang D, Christoforidis G, Chiocca AE, Josue G  
Ohio State University, Columbus, USA

50. **Intrasellar Paraganglioma: A Case Report and Review of the Literature**  
Dept. of Neurosurgery, San Raffaele Scientific Institute, Milan, Italy

51. **Multiple Carotid Arterial Injuries in Skull Base: Angiographic Pitfalls in Diagnosis and Principle of Endovascular Embolisation**  
Luo C-B, Teng MMH  
Dept. of Radiology, Taipei Veterans General Hospital and National Yang-Ming University School of Medicine Taipei, Taiwan

52. **Retroclival Epidural Hematoma: A Case Report and Literature Review**  
Taek Hyun Kwon, Hoon Joy, Youn Kwan Park, Hung Seob Chung  
Dept. of Neurosurgery, Korea University Guro Hospital, Dept. of Otolaryngology HNS, The Catholic University of Korea, Seoul, Korea

53. **Repeated Transient Ischemic Attacks Due to Cavernous Sinus Meningiomas and associated A1 Radiation Induced Vasculopathy: Report of a Case.**  
Froelich S, Boyer P, Kehrl P, Maitrot D  
Dept. of Neurosurgery, University of Strasbourg, Strasbourg, France

54. **Giant Intradiploic Epidermoid Cyst**  
Turkoglu OF, Gurcan O  
Ankara Numune Education and Research Hospital, Ankara, Turkey
55. **DNA Copy Analysis of Primary Sinonasal Adenocarcinoma by CGH Microarray**
Llorente Jose L, Alvarez Marcos C, Alonso Guervos, Escudero J, Suarez C, Hermsen M
Servicio de ORL, Hospital Central de Asturias, Oviedo, Spain

56. **VII-VIII Nerve Complex Hung Up by the Subarcuate Artery: A Cause of Hemifacial Spasm**
Messina G, Feroli P, Franzini A, Broggi G
Istituto Nazionale Neurologico Carlo Besta, Milano, Italy

57. **Association of Trigeminal Neuralgia and Development Venous Anomaly of Petrous Veins: Intraoperative Findings and Indocyanine Green Videoangiographic Study**
Albanese E, Feroli P, Tringali G, Broggi G
Instituto Nazionale Neurologico Carlo Besta, Milano, Italy
58. **Impact of Image-Guidance on Complication Rates and Operation Time in Lateral Suboccipital Approaches**
Gharabaghi A, Rosahl SK, Feigl GC, Mirzayan JM, Samii M, Tatagiba M
Dept. of Neurosurgery, University of Tübingen, Tübingen, Germany, Dept. of Neurosurgery, Albert-Ludwigs-University Freiburg, Freiburg and International Neuroscience Institute, Hannover, Germany

59. **Individualized Landmarks for Surgical Planning Lateral Suboccipital Approaches**
Gharabaghi A, Rosahl SK, Feigl GC, Mirzayan JM, Samii M, Tatagiba M
Dept. of Neurosurgery, University of Tübingen, Tübingen, Germany, Dept. of Neurosurgery, Albert-Ludwigs-University Freiburg, Freiburg and International Neuroscience Institute, Hannover, Germany

60. **The Influence of the Trigeminocardiac Reflex on Postoperative Auditory Function in Non-vestibular Schwannoma Cerebellopontine Tumor Surgery**
Gharabaghi A, Acioly MA
Department of Neurosurgery, University of Tübingen, Tübingen, Germany

61. **Intracranial Hypertension, Lumbar Pressure and TCD Indices in Children with Scaphocephaly**
Hoza D, Hořínek D, Tomek A, Tichý M
Dept. of Neurosurgery, University Hospital Motol, Prague, Czech Republic

62. **Microscopic and Endoscopic Extracranial Approaches to the Cavernous Sinus: An Anatomical Study**
Doglietto F, Lauretti L
Institute of Neurosurgery, Catholic University School of Medicine, Rome, Italy

63. **Dissecting Aneurysm of the Middle Cerebral Artery Anterior Temporal Branch: A Case Report**
Biknaz K, Iplikcioglu C, Ozek E, Dinc C, Minareci O
Ministry of Health Okmeydani Educational and Research Hospital, Istanbul, Turkey
64. **Orbitozygomatic Craniotomy Minimizing Injury of the Orbital Fascia—Technical Note**  
Lee CH  
Dept. of Neurosurgery, Seoul Paik Hospital, Seoul, Korea

65. **Percutaneous Treatment of Pain in an Atlanto-axial Joint**  
Lacman J, Charvát F, Mašková J  
Dept. of Radiology, Central Military Hospital, Prague, Czech Republic

66. **Radiation-Induced Osteogenic Sarcoma Presenting as a Recurrent Melanoma in Left Orbital Area**  
Shin IY, Chung YG, Park DH, Lee HG  
Korea university Anam Hospital, Seoul, Korea

67. **Ectopic Recurrence of Craniopharyngioma**  
Bikmaz K, Guerrero CA, Krisht AF, Husain M  
Ministry of Health Okmeydani Educational and Research Hospital, Istanbul, Turkey and Dept. of Neurosurgery, University of Arkansas for Medical Sciences, Little Rock, USA

68. **Primary Central Nervous System Lymphoma Presenting as Cerebellopontine Angle Lesion**  
Shin IY, Chung YG, Park DH, Lee HG  
Korea university Anam Hospital, Seoul, Korea

69. **Fibrous Dysplasia of the Clivus: A Case Report**  
Bikmaz K, Iplikcioglu C, Dinc C, Ozek E  
Ministry of Health Okmeydani Educational and Research Hospital, Istanbul, Turkey

70. **Automated Measurement of Skull Thickness in Surgical Planning for Implantation of Bone Anchored Hearing Aids**  
Leinung M, Lenarz M, Lenarz Th, Majdani O  
Dept. for Otolaryngology, Medical University of Hannover, Hannover, Germany

71. **Delayed Development of Mucocele after Surgery for Frontal Sinus Fracture**  
Kim E-Y, Hwang K  
Dept. of Neurosurgery, Inha University Hospital, Inha University College of Medicine, Incheon, Korea
72. **Two – Pieces Orbitopterional Craniotomy in the AcomA Aneurysm Surgery – Surgical Techniques for Cosmetic Consideration**  
Kim BT, Hwang SC, Im SB, Shin WH  
Dept. of Neurosurgery, SoonChuntHyang University Hospital, Bucheon, South Korea

73. **Temporal Bone Squamous Cell Carcinoma**  
Danesi G, Zanoletti E, Mazzoni A  
Dept. of ENT and Microsurgery of the Skull Base, Bergamo, Italy

74. **The Midface Degloving Approach in Management of Sino-Nasal and Anterior Skull Base Lesions**  
Danesi G, Panciera DT  
Dept. of ENT and Microsurgery of the Skull Base, Bergamo, Italy

75. **Extended Frontobasal Approach (EFB) to Skull Base**  
Jaiswal AK, Tyagi I, Banerji D, Behari S  
Lucknow, India
MORNING SEMINARS

Morning seminars will be held in following rooms: Madrid, Rome, London, Vienna, Prague D, Belvedere 5.

Seminars start at 7.00, each seminar should last 45 minutes.

Thursday, 3.5.2007

M1 George B / Schumacher M: Balloon Occlusion Test and ICA Occlusion in Skull Base Tumor Surgery - Madrid

M2 Kawase T/ Sameš M: Petrous Apex Approach – the Technique and How to Prevent Surgical Complications - Vienna

M3 Mathiesen T / Lippitz BE: Meningiomas Management (Long-term Prognosis) - Rome

M4 Nicolai P: Indications and Limitations of Endonasal Surgery in the Management of Malignant Lesions of the Sino-Nasal Tract Involving the Skull Base - Belvedere 5

M6 Schmelzeisen R / Laedrach K: Trauma to the Orbit - London

Friday, 4.5.2007

M7 Behr R: Auditory Brainstem Implants - Madrid

M8 Draf W / Bockmühl U: Modern Management of Paranasal Sinus Tumors - Rome

M9 Fagan PA / Zvěřina E: Vestibular Schwannoma - Belvedere 5


M11 Rosen CL / Jane JA: The Pendulum of Endoscopic Surgery - Vienna
M12 Vymazal J / Hofmann E: Radiology of the Skull Base - Prague D  
Saturday, 5.5.2007

M13 Donald PJ: The Middle Fossa/Infratemporal Fossa Approach for Skull Base Malignancy - Prague D

M14 Fliss DM: A Comprehensive Algorithm for Extirpation of Large Complex Anterior Skull Base Lesions - Madrid

M15 Hardwidge C / Häckel M: Developmental Disorders - Rome

M16 Kassam A / Snyderman C: Endonasal Endoscopic Skull Base Surgery - Vienna

M17 Krisht AF / Krajina A: Dural AVM - Indications, Choice of the Treatment Modality - Belvedere 5

LUNCHEON SEMINARS

Luncheon seminars will be held in following rooms: Madrid, Rome, London, Vienna, Prague C

Seminars start at 12.15, each seminar should last 60 minutes.

Thursday, 3.5.2007

L1 Abdulrauf S / Moret J: Giant Aneurysms - Surgical Versus Endovascular Treatment - Madrid

L2 Buchfelder M: Sella Surgery - Vienna

L3 Rampling R / Rowe J / Ammirati M: Gamma-Knife and Radiotherapy in Benign Skull Base Lesions - Rome

L4 Video session: George B, Seifert V, Nanda A - London

Friday, 4.5.2007

L5 Hofmann E / Schwager K / Behr R: How to Create and Run an Interdisciplinary Skull Base Center - Madrid

L6 Stammberger H / Mokry M: Endoscopic Rhino-Neurosurgery – a Role Model for Interdisciplinary Cooperation - Vienna

L7 Suchomel P: When to Stabilise C0-2 - Rome

L8 Tatagiba M / Seifert V: Petroclival Meningiomas - Prague C

L9 Video session: Bertalanffy H - London
Saturday, 5.5.2007

L10  Bertalanffy H / Galzio RJ: CC Junction Tumours - Indications, Approaches - Madrid

L11  Morcos J / Kanaan IN: Petroclival Meningiomas - Vienna

L12  Nanda A / Draf W: Semantics in Skull Base Approaches - Rome

L13  Video session: Lenarz T - London
SPECIAL SEMINARS AND WORKSHOPS

Thursday, 3.5.2007

12:15-13:15, Prague D
Expert Group - Karl Storz Luncheon Seminar
CSF Leak Management and Skull Base Defect Reconstruction Techniques after Endoscopic Extended TNTS Surgery

12:15-13:15, Belvedere 5
B. Braun Medical
S4 - CERVICAL Instrumentation in Treatment of Cervical Spine Disease, Focused on OC Fixation
Woiciechowsky Ch

Friday, 4.5.2007

12:15-13:15, Prague D
Expert Group - Karl Storz Luncheon Seminar
CSF Leak Management and Skull Base Defect Reconstruction Techniques after Endoscopic Extended TNTS Surgery

10:00-12:00 and 14:00-16:00, Belvedere 5
Medtronic
Midas Rex Workstations
introduction by Rhoton AL Jr

12:15-13:15, Belvedere 5
Carl Zeiss
OPMI Pentero from Carl Zeiss - The Best Friend of Every Microsurgeon
## SEPARATE MEETINGS OF ORGANIZATIONS

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>May, 2nd, 2007</td>
<td><strong>ESBS Executive Committee Meeting</strong></td>
<td>15.00-17.00</td>
<td>Diplomat Hotel, Madrid</td>
</tr>
<tr>
<td>May, 2nd, 2007</td>
<td><strong>ESBS Executive Committee Meeting and Council of the ESBS</strong></td>
<td>17.00-18.00</td>
<td>Diplomat Hotel, Madrid</td>
</tr>
<tr>
<td>May, 3rd, 2007</td>
<td><strong>Thieme Skull Base Editorial Board Meeting</strong></td>
<td>12.15-13.15</td>
<td>Diplomat Hotel, Restaurant Loreta</td>
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<tr>
<td>May, 3rd, 2007</td>
<td><strong>Executive Committee Meeting of the German Skull Base Society</strong></td>
<td>18.00-19.00</td>
<td>Diplomat Hotel, Restaurant Loreta</td>
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<tr>
<td>May, 3rd, 2007</td>
<td><strong>Extended Executive Committee Meeting of the German Skull Base Society</strong></td>
<td>19.00-20.00</td>
<td>Diplomat Hotel, Restaurant Loreta</td>
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<tr>
<td>May, 4th, 2007</td>
<td><strong>General Assembly of the European Skull Base Society</strong></td>
<td>17.30-18.00</td>
<td>Diplomat Hotel, Vienna</td>
</tr>
<tr>
<td>May, 4th, 2007</td>
<td><strong>General Assembly of the German Skull Base Society</strong></td>
<td>18.00-19.00</td>
<td>Diplomat Hotel, Vienna</td>
</tr>
</tbody>
</table>
GENERAL INFORMATION

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REGISTRATION

<table>
<thead>
<tr>
<th></th>
<th>Preregistration</th>
<th>On-site Registration</th>
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</thead>
<tbody>
<tr>
<td>ESBS-Members or</td>
<td>360 Euro</td>
<td>460 Euro</td>
</tr>
<tr>
<td>Members of Corporate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Member-National Society</td>
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</tr>
<tr>
<td>Non-Members</td>
<td>400 Euro</td>
<td>500 Euro</td>
</tr>
<tr>
<td>Residents</td>
<td>250 Euro</td>
<td>350 Euro</td>
</tr>
<tr>
<td>(younger than 35 years)</td>
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<td></td>
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</tbody>
</table>

Instructions for Oral Presentations

Only PowerPoint presentation is possible. Videos should be encoded as MPEG1, MPEG2 or MPEG4.
In order to avoid last minute problems, we also kindly ask you to check your presentation at the Speakers Ready Room – Paris room - at least 4 hours before the actual presentation time, or even better, check your presentation the previous day.
Please ensure that your presentation strictly does not exceed the allotted time as this rule is strictly enforced. The chairpersons and technicians are instructed to immediately interrupt presentations that have overrun their allotted time.

Personal laptops cannot be used!!

Instructions for Poster Presentations:
Poster size may not exceed 200 cm in height and 90 cm in width.
Additionally, all posters will be presented during poster sessions.
Speakers Ready Room:
The Speakers ready room – Paris - is located in the Diplomat Hotel (Congress Venue)

Opening hours:  
Wednesday, May 2, 2007  3pm – 7pm  
Thursday, May 3, 2007  7am – 6pm  
Friday, May 4, 2007  7am – 6pm  
Saturday, May 5, 2007  7am – 6pm

Congress Venue
Diplomat Hotel**** Prague is located on the very edge of Prague’s historic centre; it takes only 10 minutes to get there from the Ruzyně Airport. Close to the Prague Castle, it is surrounded mainly by diplomatic residences.

Diplomat Hotel****  
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Congress Language
English
MAQUET is a subsidiary of the publicly-listed Swedish group of companies GETINGE AB. Worldwide MAQUET ranks among the leading providers of medical technology for emergency rooms, operating rooms and intensive care units. Since its foundation more than 165 years ago, MAQUET has stood for innovation and technical progress in the field of medicine.

MAQUET has three specialty Divisions for infrastructure equipment and therapy devices – Cardiopulmonary, Surgical Workplaces, Critical Care.

Certification
1. This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of the West Virginia University (WVU) School of Medicine and the European Skull Base Society. The WVU School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The WVU Office of CME designates this educational activity for a maximum of 25.25 AMA PRA category 1 credits(TM). Physicians should only claim credit commensurate with the extent of their participation in the activity.

Following this conference, participants should be able to
* understand the nature and extent of cranial base disease
* identify new treatment strategies for the treatment of cranial base disease
* understand the role of multimodality treatment options for cranial base disease
* learn new ways to manage complications related to treatment of cranial base disease

Target Audience: This Congress is targeted to all neurosurgeons, ENT specialists, maxillofacial surgeons, ophthalmologists, oncologists, interventional and diagnostic neuroradiologists who are interested in skull base lesions and skull base surgery

The AANS attests that this educational activity has been recognized for co-sponsored/endorsement for 24 Category I CME credits of the AANS's Continuing Education Award in Neurosurgery.

2. The European Accreditation Council for Continuing Medical Education attests that this educational activity has been recognized for co-sponsored/endorsement for 20 UEMS CME credits.

Exhibition
An exhibition with displays of the latest products of the medical industry and of laboratory equipment will be arranged in the Diplomat hotel – Belveder.

The exhibition will be open during all three days of the congress, from Thursday (May, 3rd) to Saturday (May, 5th).

Lunches, Tea, Coffee
During breaks and lunch, tea and coffee will be available free of charge at the exhibition on all days.

Internet Access
Will be provided free of charge at a separate desk in the Hotel Diplomat (Congress Venue) during the entire congress.
SOCIAL PROGRAMME

Welcome reception - Strahov Monastery
Buses leave from the Diplomat Hotel at 19.00

May 2, 2007 - 19.00

The Royal Canonry of Premonstratensians at Strahov is one of the oldest monasteries of the Premonstratensian Order in the world. It has been a working monastery practically ever since it was founded in 1143.

The Premonstratensians are an order of canons regular founded in 1120 by St Norbert. They are an integral part of the Roman Catholic Church, not only as an organizational, legal, and independent unit, but also, and especially, they are an integral spiritual element of the Church.

The most valuable parts of monastery complex are: Library (unique library from 1143), Basilica of Our Lady (Mozart improvised on the organ in 1787), Picture Gallery (one of the truly great private collections in the Central Europe, established in 1836).

Prague evening - Vojanův Dvůr
Buses leave from the Diplomat Hotel at 19.00

May 3, 2007 - 19.30

Banquet - Diplomat Hotel

May 4, 2007 - 20.00
# SPEAKERS, PANELISTS AND CHAIRPERSONS

<table>
<thead>
<tr>
<th>Name</th>
<th>Room</th>
<th>Department and Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abdulrauf Saleem, M.D.</td>
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<tr>
<td>Aimi Yuri</td>
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</tr>
<tr>
<td>Aitasalo Kalle</td>
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<tr>
<td>Akiyama Yukinori</td>
<td>P21</td>
<td>Dept. of Neurosurgery, Sapporo Medical University Sapporo, Japan</td>
</tr>
<tr>
<td>Al Otieschan Abdullah</td>
<td>356</td>
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</tr>
<tr>
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<td>P57</td>
<td>Istituto Nazionale Neurologico Carlo Besta Milan, Italy</td>
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<tr>
<td>Al-Shurbaji Amer</td>
<td>P42</td>
<td>King Hussein Medical Center Amman, Jordan</td>
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</table>
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TOURS

Half-Day Guided Tour of Prague (4 hours tour)

Wednesday, May 2, 2007 - 14:30 Departure Diplomat hotel
Friday, May 4, 2007 - 9:30 Departure Diplomat Hotel

The tour to comprise major sights of the city seen on a panoramic coaching part and visit to the most outstanding places of interest including Prague Castle, Mala Strana and Old Town, St. Nicolas Church and Charles Bridge

Price: EUR 27,-/person

Afternoon Boat Cruise on Vltava River (2 hours tour)

Thursday, May 3, 2007 - 15:30 Departure Diplomat Hotel

The cruise on Vltava River is your chance to see the historical centre of the city from completely different angle and to take photographs of step by step opening views of the magnificent panorama of Prague Castle, Mala Strana, Old Town and other spectacular attractions and points of interest. Return transfers and assistance will be provided.

Price: EUR 32,-/person

Dinner Cruise on Vltava River (2 hours tour)

Saturday, May 5, 2007 - 19:00 Departure Diplomat Hotel

The dinner cruise on Vltava River is an attractive chance to combine your dinner with explorations of magnificent panorama of Prague Castle, Mala Strana, Old Town and other spectacular attractions and points of interest in the evening time. Return transfer and assistance will be provided.

Price: EUR 44,-/person
Visit to Karlštejn Castle (4.5 hours tour)

Saturday, May 5, 2007 - 9:30 Departure Diplomat Hotel

Visit the Karlštejn Castle which was built in the 14th century by the Czech King and Roman Emperor, Charles IV. At the time, the castle held the treasure of the Holy Roman Empire, including the imperial coronation jewels. We would like to point out that this excursion is physically more demanding.

Price: EUR 37,-/person

Visit to Konopiště Chateau (4 hours tour)

Friday, May 4, 2007 – 12:00 Departure Diplomat Hotel

The tour comprise visit to South-east of Prague to Konopiště Castle surrounded by elegant park. Founded as a hunting lodge in the 14th century, it was re-built in the 19th century to house collections of historical weapons, hunting trophies, furniture, paintings and tapestries. It was also a summer residence to Franz Ferdinand d’Este, pretender to Austro-Hungarian throne, who was assassinated in Sarajevo in 1914.

Price: EUR 37,-/person

Visit to Kutná Hora (6 hours tour)

Thursday, May 3, 2007 – 9:30 Departure Diplomat Hotel

The trip will take you to Kutná Hora, founded in the 13th century and privileged to exploit the supplies of silver for production of silver coins. Visit the gothic St. Barbara Cathedral with its valuable murals and the former royal mint which once coined Prague groschen. To this day Kutná Hora has retained the character of a medieval city and rightly belongs to the most important UNESCO heritage sites in the Czech Republic.

Price: EUR 31,-/person
Visit to Český Krumlov (10 hours tour)

Saturday, May 5, 2007 – 8:30 Departure Diplomat Hotel

All-day excursion comprises the beautiful South Bohemian countryside with its picturesque villages and many ponds. Český Krumlov is a city on the UNESCO heritage list. The unique urban complex, comprising three hundred historic houses and the National Castle, the second largest after Prague Castle, draws many visitors every year and is rightly called the „Renaissance pearl“.

Price: EUR 69,-/person

All tours listed as Tours for Congress Participants include: Use of coach, English-speaking guide or assistance, entry charges to historical sights as available and lunch or dinner where stated. Most events take place at least in two different days or times, allowing participants to choose from alternatives depending on their interest. All below mentioned Tours are designed for minimum 15 persons subject to present conditions. Congres Secretariat reserves the right to cancel the tour for which minimum number of participants has not registered.

Cultural events:
Prague is a place for numerous events like concerts, theatre performance or operas. All bookings of cultural events is strictly subject to availability at the time of request. For tickets, please, send your request to odeon@esbs2007.com
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8th Congress of the European Skull Base Society
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4x10 min presentation followed by question and discussion

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Room “Prague D” (70 seats)

Panel:
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Department of Neurological Sciences
Neurosurgical Clinic
Napoli, Italy

Prof. Paolo Castelnuovo
University of Insubria
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