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ENDO BARCELONA 2018

8TH WORLD CONGRESS OF ENDOSCOPIC SURGERY OF
PARANASAL SINUSES, SKULL BASE, BRAIN & SPINE

Barcelona, July 5-8, 2018

PRELIMINARY PROGRAM



CONGRESS PRESIDENTS:

MANUEL BERNAL-SPREKELSEN

ISAM ALOBID

JOAQUIM ENSEÑAT



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Welcome

DEAR FRIENDS AND COLLEAGUES,

We are very much looking forward to hosting the 8th World Congress for Endoscopic Surgery of the Paranasal Sinuses, Skull Base, Brain and Spine and Second Global Update on FESS, the Sinuses and the Nose (EndoBarcelona 2018) from 5-8 July 2018.

Barcelona was founded over 2,000 years ago. The traces of this history and diversity can be followed as you walk through the city; through its Gothic Quarter, built on the Roman ruins; through its art-nouveau Eixample district, presided over by Gaudí's exuberant architecture, which at the same time reveals an ordered and rational urban layout.

In just over two decades, Barcelona has completely transformed its range of facilities and attractions. It has done so by displaying a dynamic character and pioneering spirit, which are perfectly visible in its new urban and architectural layout.

We will do our best to make the EndoBarcelona 2018 a memorable scientific, social and cultural event for you. We dream of a congress which will have optimal digital possibilities, discussions, instructional sessions, symposia, round tables and workshops as well as 'meet the experts' sessions.

CONGRESS PRESIDENTS



Manuel Bernal-Sprekelsen



Isam Alobid



Joaquim Enseñat

Venue



CCIB - CENTRE CONVENCIONS INTERNACIONAL DE BARCELONA

Plaça de Willy Brandt 11-14
08019 Barcelona

www.endobarcelona2018.com

Committees

NATIONAL COMMITTEE

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Wouter Van Furth (NL)

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Confirmed Speakers

Ralph Abi Hachem (US)
Assem Abdel Latif (EG)
G. F. Adriaensen (NL)
Shazad Ahmed
Juan José Ailagás de las Heras (ES)
Carlos Alarcón (ES)
Luiz Carlos Alencastro (BR)
Gustavo J. Almodóvar-Mercado (PR)
Isam Alobid (ES)
Abdulaziz Alqahtani (SA)
Norberto Andaluz (US)
Jean Anderson Eloy (US)
Miguel Ángel Arraez (ES)
Iñaki Arrese (ES)
Claus Bachert (BE)
Leonardo Balsalobre (BR)
Garni Barkhoudarian (US)
Paolo Battaglia (IT)
Michael Bauer (ES)
D. Bergese (US)
Manuel Bernal-Sprekelsen (ES)
Martin Bettag (DE)
Benjamin Bleier (US)
C. Botella (ES)
Itzak Bravermann (IS)
Marta Brell (ES)
Damien Bresson (FR)
Hans Rudolf Briner (CH)
Seth Brown (US)
Carlos Brusius (BR)
Mario Bussi (IT)
Luis Eduardo Cabezas Labrin (CL)
Borja Callejas (ES)
Claudio Callejas (CL)
Santiago Candela (ES)
Paolo Cappabianca (IT)
Eugenio Cárdenas (ES)
Ricardo Carrau (US)
Roy Casiano (US)
Paolo Castelnuovo (IT)
Domenico Catapano (IT)
Luigi Cavallo (IT)
Marco Caversaccio (CH)

Carlos Cenjor (ES)
Giuseppe Cinalli (IT)
Pablo Clavel (ES)
Esteban Cordero (ES)
Álvaro Córdoba (ES)
Erwin Cornips (NL)
Francesc Cruellas (ES)
Iacopo Dallan (IT)
Andrew Davidson (AU)
Guillaume De Bonnecaze (FR)
Matteo de Notaris (IT)
John Del Gaudio (US)
Alberto Delitalia (IT)
Anthony Del Signore (US)
Hans Delye (NL)
Martin Desrosiers (CA)
Federico Di Rocco (FR)
Leo Ditzel Filho (BR)
Pierre Dolhen (Fr)
Richard Douglas (AU)
Charles Ebert (US)
Richard Edwards (UK)
Carlo Efisio Marras (IT)
Hussain El-Bosraty (EG)
Usama El Hadi (LE)
Philippe Eloy (BE)
Joaquim Enseñat (ES)
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Paolo Farneti (IT)
Giovanni Felisati (IT)
F. Ferreli (IT)
Carla Fernández (ES)
Alessandro Fiorindi (IT)
Wytske Fokkens (NL)
Adam Folbe (US)
Sebastien Froelich (FR)
Andreu Gabarrós (ES)
Stephane Gaillard (FR)
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Alfredo García (ES)
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Verena Gellner (AT)

Fred Gentili (US)
Christos Georgalas (GR)
Rüdiger Gerlach (DE)
Flavio Giordano (IT)
Oscar Godino (ES)
Marcos Gomes (BR)
Josep González (ES)
Francisco González Llanos (ES)
Liliana Goumnerova (US)
Jon Olabe Goxencia (ES)
Juan Ramon Gras (ES)
Stacey Gray (US)
Chester Griffiths (US)
Oliver Haag (ES)
Gustavo Hadad (AR)
Joseph K. Han (US)
Ehab Hanna (US)
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Alfredo Herrera (CO)
Islam Herzallah (EG)
Claire Hopkins (GB)
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Thomas Hummel (DE)
Javier Ibáñez (ES)
Guillermo Ibáñez (ES)
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Narayan Jayashankar (MY)
Benjamin Jonker (AU)
Mark Jorissen (BE)
Emmanuel Jouanneau (FR)
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Ariel Kaen (ES)
Gokmen Kahilogullari (TR)
Reda Kamel (EG)
Apostolos Karligkiotis (GR)
Sergej Karpischenko (RU)
Amin Kassam (US)
Daniel Kelly (US)

David Kennedy (US)
Robert Kern (US)
Sammy Khalili (US)
Yong HwY Kim (KR)
Maarten Kleijwegt (NL)
Ludger Klimek (DE)
Engelbert Knosp (AT)
Doo-Sik Kong (KR)
Guntram Krzok (DE)
Jesús Lafuente (ES)
Alfonso Lagares Gómez-Abascal (ES)
Cristóbal Langdon (ES)
Francois Lechanoine (FR)
Jivianne T. Lee (US)
José Letort (EC)
Andreas Leunig (DE)
Corinna Levine (US)
Luis Ley (ES)
James Liu (US)
José Luis Llorente (ES)
Davide Locatelli (IT)
Andrey Lopatin (RU)
Mauricio López (EC)
Darlene Lubbe (SA)
Concepción Marín (ES)
Franklin Mariño (ES)
Javier Marquez (ES)
Gabriel Martínez (ES)
N. Mathad (UK)
Humberto Masegur (ES)
Luca Massimi (IT)
Nieves Mata (ES)
Diego Mazzatenta (IT)
Cem Meco (TR)
Edward McCoul (US)
Michael Mokry (AT)
Irene Monjes (ES)
Alejandro Monroy (US)
Antonio Mostaza (ES)
Robert Moumdjian (CA)
Joaquim Mullol (ES)
Fernando Muñoz (ES)
Hisaiuk Murai (JP)

Confirmed Speakers

Jun Muto (JP)
Masakatsu Miyajima (JP)
Prepageran Narayanan (MY)
Marina Nersesyan (RU)
Piero Nicolai (IT)
Flavio Nigri (BR)
Kenichi Nishiyama (JP)
Paul Nix (UK)
G. Nyquist (US)
Andrés Obando (EC)
Joachim Oertel (DE)
Javier Orduna (ES)
Richard Orlandi (US)
Santiago Ortiz (ES)
Bradley Otto (US)
Llewellyn Padayachy (ZA)
James Palmer (US)
Alex Paluzzi (GB)
Jose Pandeiro (AR)
Alberto Parajon (ES)
Ernesto Pasquini (IT)
Maria Peris-Celda (ES)
Nick Phillips (UK)
Carlos Pinheiro-Neto (US)
Jaime Pinto (CL)
Guillermo Plaza (ES)
José Poblete (ES)
Fernando Chico Ponce De Leon (MX)
Yoann Pons (FR)
Gustavo Pradilla (US)
Daniel Prevedello (US)
Edmund Pribitkin (US)
Paola Ragazzi (IT)
R. Ramakrishna
Shaan Raza (US)
Kesava Reddy (CA)
Robert Reisch (CH)
Carmen Rendon (ES)
Jose Luís Reyes (ES)
Jordi Rimbau (ES)
Ana Rodríguez Hernández (ES)
Ashok Rokade (UK)
Pedro Roldán (ES)

Héctor Roldán (ES)
Bienvenido Ros (ES)
Daniel Rosenthal (DE)
Anshul Sama (GB)
Moises Sánchez (ES)
Bernard Sánchez Dalmau (ES)
Alfonso Santamaria (ES)
David Santamaria (ES)
Jaime Santos (ES)
Ricardo Santos De Oliveira (BR)
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Codrut Sarafoleanu (RO)
Zoukaa Sargi (US)
Pedro Sarría (ES)
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Thomas Schmidt (CL)
Alberto Schreiber (IT)
Henry Schroeder (DE)
Martin Schumann (DE)
Ted Schwartz (US)
Ramón Serramito (ES)
Elie Serrano (FR)
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Nishit Shah (IN)
Oleg Sharipov (RU)
Masahiro Shin (JP)
Raj Sindwani (US)
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Heinz Stammberger (AT)
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Charlie Teo (AU)
Marc Tewfik (CA)
Ulrich Thomale (DE)
Peter Tomazic (AT)
Jorge Torales (ES)
Ramón Torné (ES)
Alberto Torres (ES)

Matteo Trimarchi (IT)
Mario Turri-Zanoni (IT)
Wouter Van Furth (NL)
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Benjamin Verillaud (FR)
Marco Verstegen (NL)
Dilyana Vicheva (BG)
José Miguel Villacampa Aubá (ES)
Eugene Vining (US)
PV Vlastarakos (GR)
Ralf Wagner (DE)
De Yun Wang (SG)
Tadashi Watanabe (JP)
Hans-Jürgen Welkoborski (DE)
Ian Witterick (CA)
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MS Yilmaz (TR)
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Bassel Zebian (UK)
Lee A. Zimmer (US)
James Zinreich (US)
Matteo Zoli (IT)
Mario Zucarello (US)



Barcelona

Barcelona is the capital city of the autonomous community of Catalonia as well as Spain's second most populous municipality, with a population of 1.6 million within city limits.

Its urban area extends beyond the administrative city limits with a population of around 4.7 million people, being the seventh-most populous urban area in the European Union after Paris, London, Madrid, the Ruhr area, Berlin, and Milan.

It is the largest metropolis on the Mediterranean Sea, located on the coast between the mouths of the rivers Llobregat and Besòs, and bounded to the west by the Serra de Collserola mountain range.

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EndoBarcelona



8TH WORLD CONGRESS

for Endoscopic Surgery of the Paranasal Sinuses, Skull Base, Brain and Spine

Schedule

| | THURSDAY 5TH | FRIDAY 6TH | SATURDAY 7TH | SUNDAY 8TH |
|--------------|-------------------------------------|--------------|--------------|-------------------|
| HALL 116 | 17:00-20:00h OPENING CEREMONY | DISSECTION | DISSECTION | DISSECTION |
| HALL 117 | Santamaría (jr) Kassam Carrau | RHINOLOGY | SKULL BASE | SKULL BASE |
| HALL 118-119 | | RHINOLOGY | SKULL BASE | RHINOLOGY |
| HALL 120-121 | | INTRACRANIAL | RHINOLOGY | RHINOLOGY |
| HALL 122 | | SKULL BASE | INTRACRANIAL | INTRACRANIAL |
| HALL 123 | | SKULL BASE | RHINOLOGY | SKULL BASE |
| HALL 124 | | SKULL BASE | RHINOLOGY | SKULL BASE |
| HALL 125 | | SPINE | VASCULAR | VASCULAR SPINE |

| | | HALL 116 DISSECTION | | HALL 117 RHINOLOGY | HALL 118-119 RHINOLOGY |
|-------------|----|---|--|---|---|
| 7:30-8:30 | IC | 7:30-8:45 ANTERIOR AND POSTERIOR ETHMOIDECTOMY Moderator M. Bernal (ES) H. Stammberger (AT) / P.V.Tomazic (AT) | | IC 8. UPDATED MANAGEMENT OF OLFACTORY DISORDERS. Joaquim Mullol (ES) / Thomas Hummel (DE) | IC 2. APPLIED INTRAOPERATIVE NAVIGATION Heinz Stammberger (AT) / Michael Mokry (AT) / Peter V Tomazic (AT) / Verena Gellner (AT) |
| 8:30-10:00 | RT | 8.45-10.00 FRONTAL SINUS APPROACH Moderator C. Georgalas (GR) A. Sama (GB) / Shazad Ahmed | | RT 20. ENDOSCOPIC APPROACH FOR FRONTOETHMOIDAL MUOCOCELES Moderator David Jang (US) Panelists Cem Mecro (TR) Apostolos Karligkiotis (GR) Hans Rudolf Briner (CH) Martin Desrosiers (CA) Seth Brown (US) | RT 18. PEDIATRIC ESS Moderator Ernesto Pasquini (IT) Panelists Wytse Fokkens (NL) Dilyana Vicheva (BU) Franklin Mariño (ES) Ashutosh Kacker (US) PV Vlastarakos (GR) |
| 10:00-10:30 | | COFFEE BREAK | | COFFEE BREAK | |
| 10:30-12:00 | RT | 10.30-11.30 ENDOSCOPIC INTRANASAL PEDICLE FLAPS Moderator I. Alobid (ES) R. Carrau (US) / R.Abi Hachem (US) | | RT 10. JUVENILE ANGIOFIBROMAS Moderator Philippe Herman (FR) Panelists Ralph Abi Hachem (US) Piero Nicolai (IT) Hussain El-Bosraty (EG) Cristóbal Langdon (ES) Jean Anderson Eloy (US) | RT 11. DCR Moderator Philippe Eloy (BE) Panelists Roy Casiano (US) Guillermo Plaza (ES) Francesc Cruellas (ES) Ed Pribitkin (US) |
| 12:00-12:30 | KL | 11.30-12.00 NASOSEPTAL PERFORATION REPAIR Moderator F. Ferreli C. Langdon (ES) / A. Cordero (ES) | 12.00-12.30 ENDOSCOPIC DACRIOCYSTORHINOSTOMY Moderator G. W. Adriaensen (NL) M. Bernal (ES) / A. Santamaria (ES) | KL 1. UNCINATE AND BULLA LAMELLAE; TWO CHAMELEONS IN THE ANTERIOR ETHMOID - OR: HAVE WE REALLY MASTERED ANATOMY OF FRONTAL SINUS APPROACHES YET? Heinz Stammberger (AT) / James Zinreich (US) | KL 3. CURRENT TRENDS IN SUBLINGUAL IMMUNOTHERAPY Ludger Klimek (DE) |
| 12:30-14:00 | | LUNCH | | LUNCH | |
| 14:00-15:00 | IC | 14.00-14.45 MEDIAL MAXILLECTOMY Moderator W. Fokkens (NL) R. Kamel (EG) / M.López (EC) | 14.45-15.30 ENDOSCOPIC APPROACH TO THE SELLA TURCICA Moderator V. Gellner (AT) B. Otto (US) / D.Prevedello (US) | IC 3. RECONSTRUCTING SEPTAL PERFORATIONS Isam Alobid (ES) / Paolo Castelnuovo (IT) / Cristóbal Langdon (ES) | IC 4. ABC OF FESS Heinz Stammberger (AT) / Peter V. Tomazic (AT) |
| 15:00-16:30 | RT | 15.30-16.30 ENDOSCOPIC APPROACH TO THE PLANUM SPHENOIDALE Moderator L. Ditzel (BR) R. Harvey (AU) / A. Davidson (AU) | | RT 1. CSF LEAKS Moderator James Palmer (US) Panelists Thomas Schmidt (CL) Chester Griffiths (US) Marina Nersesyan (RU) Luis Eduardo Cabezas Labrin (CL) Narinder Singh (AU) | RT 6. RECONSTRUCTION OF SMALL AND MEDIUM SIZED SKULL BASE DEFECTS Moderator Ehab Hanna (US) Panelists Anthony del Signore (US) Ramon Serramito (ES) G. Nyquist (US) Benjamin Verillaud (FR) Pedro Sarria (ES) |
| 16:30-17:00 | | COFFEE BREAK | | COFFEE BREAK | |
| 17:00-19:00 | FP | 17.45-18.45 TRANSMAXILLARY APPROACH TO PTERYGOPALATINE AND INFRATEMPORAL FOSSA Moderator N. Shah N. Prepageran / Tang Ing Ping (MY) | | | |

| | | HALL 120-121 INTRACRANIAL | HALL 122 SKULL BASE | | HALL 123 SKULL BASE | HALL 124 SKULL BASE |
|-------------|----|--|--|--|--|---|
| 7:30-8:30 | IC | IC 1. SMART OR IN MINIMALLY INVASIVE SURGERY Pedro Roldán (ES) / PENDING | IC 1. 3D ANATOMY OF THE SKULL BASE Eugenio Cárdenas (ES) | | IC 2. NASOPHARYNGECTOMY Paolo Castelnovo (IT) / Ricardo Carrau (US) / Paolo Battaglia (IT) | IC 4. PITUITARY SUGERY. HOW I DO IT Engelbert Knosp (AT) |
| 8:30-10:00 | RT | RT 1. SURGERY OF THE III VENTRICLE Moderator Guillermo Ibañez Panelists Bassel Zebian (UK) Domenico Catapano (IT) Henry Schroeder (DE) Flavio Nigri (BR) Guiseppe Cinalli (IT) | RT 1. MULTI-DISCIPLINARY MANAGEMENT OF SINONASAL MALIGNANCIES Moderator Piero Nicolai (IT) Panelists Shaan Raza (US) Philippe Herman (FR) Ehab Hanna (US) Jose Luis Llorente (ES) Lee A. Zimmer (US) | | RT 2. INTERNAL CAROTID ARTERY IN SKULL BASE Moderator Paolo Castelnovo (IT) Panelists Prepageran Narayanan (MY) Daniel Kelly (US) Daniel Prevedello (US) David Jang (US) Arturo Solares (US) | RT 3. OPTIC NERVE / CHIASMA + ORBITAL DECOMPRESSION Moderator Heinz Stammberger (AT) Panelists Darlene Lubbe (SA) Iacopo Dallan (IT) Fernando Muñoz (ES) Bernard Sanchez Dalmau (ES) Madeleine Schabag (US) |
| 10:00-10:30 | | COFFEE BREAK | | | COFFEE BREAK | |
| 10:30-12:00 | RT | RT 2. PEDIATRIC HYDROCEPHALUS Moderator Marta Brell (ES) Panelists Llewellyn Padayachi (ZA) Spyros Sgouros (GR) Albert Sufianov (RU) Bienvenido Ros (ES) | RT 10. ENDOSCOPIC TRANSNASAL APPROACH TO MECKEL'S CAVE Moderator Ted Schwartz (US) Panelists Matteo Zoli (IT) Michael Mokry (AT) Jaime Pinto (CL) Gustavo Pradilla (US) | | RT 8. ENDOSCOPIC APPROACH FOR CRANIOPHARYNGIOMAS Moderator Daniel Prevedello (US) Panelists Diego Mazzatenta (IT) Charlie Teo (AU) Eduardo Vellutini (BR) Leo Ditzel Filho (BR) Paolo Cappabianca (IT) | RT 9. TRANSNASAL ENDOSCOPIC SURGERY OF CLIVUS AND POSTERIOR FOSSA Moderator Paul Gardner (US) Panelists Jun Muto (JP) Aldo Stamm (BR) Joaquim Enseñat (ES) Garni Barkhoudarian (US) Felice Esposito (IT) |
| 12:00-12:30 | KL | KL1. ENDOSCOPIC ASSISTED NEUROSURGERY C.Theo (VN) | KL 1. Engelbert Knosp (AT) | | PENDING | PENDING |
| 12:30-14:00 | | LUNCH | | | LUNCH | |
| 14:00-15:00 | IC | IC 2. PINEAL TUMORS: ENDOSCOPIC MANAGEMENT Masakatsu Miyajima (JP) | | | IC 5. SUPRASELLAR MENINGIOMAS. HOW I DO IT Ricardo Carrau (US) / Daniel Prevedello (US) | IC 6. 360° ORBITAL SURGERY Amin Kassam (US) |
| 15:00-16:30 | RT | RT 3. ARACHNOID CYSTS Moderator David Santamarta (ES) Panelists Guiseppe Cinalli (IT) Alvaro Córdoba (ES) Spyros Sgouros (GR) Flavio Nigri (BR) Santiago Candela (ES) | RT 6. PITUITARY SURGERY Moderator Joaquim Enseñat (ES) Panelists Engelbert Knosp (AT) Wouter van Furth (NL) Fred Gentili (US) Davide Locatelli (IT) Joseph K. Han (KR) | | RT 5. ENDOSCOPIC SURGERY OF SUPRASELLAR LESIONS Moderator Matteo de Notaris (IT) Panelists Eduardo Vellutini (BR) Moises Sanchez (ES) Verena Gellner (AT) Alberto Torres (ES) Martin Bettag (DE) | RT 7. POSTERIOR CRANIAL FOSSA MENINGIOMAS Moderator Amin Kassam (US) Panelists Diego Mazzatenta (IT) James Liu (US) Norberto Andaluz (US) Paul Gardner (US) Cristina Hostalot (ES) |
| 16:30-17:00 | | COFFEE BREAK | | | COFFEE BREAK | |
| 17:00-19:00 | FP | | | | | |

| HALL 125 SPINE | | |
|----------------|--------------|--|
| 7:30-8:30 | IC | IC 1. SPINAL ENDOSCOPIC PROCEDURES, WHY, WHEN AND HOW? Moderator Hector Roldan (ES) Jesus Lafuente (ES) / José Poblete (ES) |
| 8:30-10:00 | RT | RT 1. MINIMALLY INVASIVE LUMBAR SPINE SURGERY Moderator Jose Poblete (ES) Panelists Guntram Krzok (DE) Ralf Wagner (DE) Antonio Mostaza (ES) Ralf Wagner (DE) Jordi Rimbau (ES) |
| 10:00-10:30 | COFFEE BREAK | |
| 10:30-12:00 | RT | RT 2. MINIMALLY INVASIVE CERVICAL SPINE SURGERY Moderator Jesus Lafuente (ES) Panelists Jose Antonio Soriano (ES) Kesava Reddy (CA) Pablo Clavel (ES) Erwin Cornips (NL) |
| 12:00-12:30 | KL | KL 1. THORACIC SPINE AND ENDOCOPIC PROCEDURES. HAVE WE REACHED THE MAXIMUM? Daniel Rosenthal (DE) |
| 12:30-14:00 | LUNCH | |
| 14:00-15:00 | IC | IC 2. SMART OR IN MINIMALLY INVASIVE Moderator Jordi Rimbau (ES) Daniel Rosenthal (DE) Alberto Parajón (ES) Héctor Roldán (ES) |
| 15:00-16:30 | RT | RT 3. MINIMALLY INVASIVE APPROACH TO SPINE TUMORS Moderator Hector Roldan (ES) Panelists Felice Esposito (IT) Oscar Godino (ES) Jose Antonio Soriano (US) Botella C (ES) |
| 16:30-17:00 | COFFEE BREAK | |
| 17:00-19:00 | FP | KL 2. SPINAL ENDOSCOPIC PROCEDURES; WHY, WHEN AND HOW? PENDING |

| HALL 116 DISSECTION / ANATOMY | | |
|-------------------------------|--------------|---|
| 7:30-8:30 | IC | IC 3. 3D SKULL BASE ANATOMY Alejandro Monroy (US) |
| 8:30-10:00 | RT | RT 23. 3D SINUSES AND SKULL BASE ANATOMY Moderator Maria Peris-Celda (US) Panelists Irene Monjes (ES) Alejandro Monroy (US) Andreas Leunig (DE) Ameet Sing (US) Ariel Kaen (ES) 9.30-10.30 TRANSFORAMINAL ENDOSCOPIC DISCECTOMY G. Krzok |
| 10:00-10:30 | COFFEE BREAK | |
| 10:30-12:00 | RT | 10.30-11.45 ENDOSCOPIC TRANSCRIBRIFORM APPROACH Moderator R. Abi Hachim (US) Panelists PENDING |
| 12:00-12:30 | KL | 11.45-12.30 OPTIC NERVE AND ORBITAL DECOMPRESSION Moderator A. Swift (GB) Panelists Ph. Eloy (BE) PENDING |
| 12:30-14:00 | LUNCH | |
| 14:00-15:00 | IC | 14.00-15.00 ENDOSCOPIC APPROACH TO THE CAVERNOUS SINUS AND MECKEL'S CAVE Moderator P. Herman (FR) Panelists D. Kelly (US) E. Pasquini (IT) |
| 15:00-16:30 | RT | 16.00-17.00 ENDOSCOPIC APPROACH TO THE PETROUS APEX Moderator L. Cavallo (IT) Panelists D. Prevedello (US) B. Otto (US) 15.00-16.00 ENDOSCOPIC TRANSCLIVAL APPROACH Moderator M. Mokry TH Schwartz / R. Ramakrishna |
| 16:30-17:00 | COFFEE BREAK | |
| 17:00-19:00 | FP | 16.30-17.45 KS SYMPOSIUM SPINE 17.45-19.00 ENDOSCOPIC TRANSORBITAL APPROACH Moderator W. van Furth (NL) I. Dallan (IT) / M.de Notaris (IT) |

| | | HALL 117 SKULL BASE | | HALL 118-119 SKULL BASE | HALL 120-121 RHINOLOGY |
|-------------|----|---|--|---|--|
| 7:30-8:30 | IC | IC 7. THE MANAGEMENT OF CRANIOPHARYNGIOMAS: OPEN VS ENDOSCOPIC APPROACH-CURRENT STATE OF THE ART Fred Gentili (US) | | IC 3. NEUROANESTHESIA IN EXPANDED ENDOSCOPIC SKULL BASE SURGERY Sergio D. Bergese (US) | IC 1. DRAF TYPE III Christos Georgalas (GR) / Anshul Sama (UK) / Philippe Herman (FR) |
| 8:30-10:00 | RT | RT 18. OUTCOMES AND PROMS IN ENDOSCOPIC SKULL BASE SURGERY Moderator Claire Hopkins (UK) Panelists Ben Jonker (AU) Wouter van Furth (NL) Charles Ebert (US) Richard Harvey (AU) Carlos Pinheiro-Neto (BR) | | RT 12. ENDOSCOPIC APPROACH TO THE INTERNAL CAROTID ARTERY. WHAT TO AVOID Moderator Aldo Stamm (BR) Panelists Marcos Gomes (BR) AbdulAziz AlQahtani (SA) Gabriel Zada (US) Ramon Torner (ES) Oleg Sharipov (RU) Harinder Singh (US) | RT 4. TIMING AND COST-EFFECTIVENESS OF SURGERY FOR CRS Moderator Richard Orlandi (US) Panelists Raj Sindwani (US) Corinna G. Levine (US) Claire Hopkins (UK) Gabriel Martinez (E) John Del Gaudio (US) |
| 10:00-10:30 | | COFFEE BREAK | | COFFEE BREAK | |
| 10:30-12:00 | RT | RT 4. ADVANCES IN IMAGE GUIDED NAVIGATION Moderator Marco Caversaccio (CH) Panelists Pedro Roldan (ES) Heinz Stammberger (AT) Benjamin Bleier (US) James Palmer (US) | | RT 22. PEDIATRIC ENDOSCOPIC SKULL BASE SURGERY Moderator PENDING Panelists Gokmen Kahilogullari (TR) Luigi Cavallo (IT) HJ Welkoborsky (DE) Luca Massimi (IT) Francois Lechanoine (FR) | RT 12. INVERTED PAPILOMA Moderator Jose Luis Llorente (ES) Panelists Marc Tewfik (CA) Codrut Sarafoleanu (RO) Andrew Swift (UK) Andreas Leunig (DE) Mario Turri-Zanoni (IT) |
| 12:00-12:30 | KL | KL 2. COMBINED OPEN AND ENDOSCOPIC TECHNIQUE FOR SKULL BASE TUMORS Patrick Froelich (FR) | | KL 4. ADENOCARCINOMA Marc Jorissen (BE) | KL 4. UPPER AIRWAY EPITHELIUM – FROM STEM CELLS TO TISSUE ENGINEERING De Yun Wang (SG) |
| 12:30-14:00 | | LUNCH | | LUNCH | |
| 14:00-15:00 | IC | PENDING | | PENDING | IC 5. ENDOSCOPIC DCR Philippe Eloy (BE) / Bernal-Sprekelsen (ES) |
| 15:00-16:30 | RT | RT 16. TRANSORBITAL APPROACHES Moderator Benjamin Bleier (US) Panelists Iacopo Dallan (IT) Benjamin Bleier (US) HJ Welkoborsky (DE) Alex Paluzzi (UK) Santiago Ortiz (ES) | | RT 15. TRAINING IN EXTENDED ENDOSCOPIC SURGERY Moderator Daniel Kelly (US) Panelists Paolo Battaglia (IT) Robert Moudjian (CA) Matteo de Notaris (IT) Eugenio Cárdenas (ES) Domenico Solari (IT) | RT 9. FRONTAL SINUS: TO DRILL OR NOT TO DRILL Moderator Anshul Sama (UK) Panelists Christos Georgalas (GR) Richard Harvey (AU) Nieves Mata (ES) Alfredo Garcia-Fernandez (ES) Itzak Bravermann (IS) |
| 16:30-17:00 | | COFFEE BREAK | | COFFEE BREAK | |
| 17:00-19:00 | FP | | | | |

| | | HALL 122 INTRACRANIAL | HALL 123 RHINOLOGY | HALL 124 RHINOLOGY |
|-------------|----|--|---|---|
| 7:30-8:30 | IC | IC 3. TIPS & TRICKS IN ENDOSCOPIC RESECTION OF COLLOID CYSTS Liliana Goumnerova (US) | IC 7. TREATMENT OF SEVERE EPISTAXIS. FROM PACKING TO CLIPPING Elie Serrano (FR) | IC 8. UPDATED MANAGEMENT OF OLFACTORY DISORDERS PENDING / Thomas Hummel (DE) |
| 8:30-10:00 | RT | RT 4. APPROACHES TO THE BRAIN STEM Moderator Mario Zucharelo (US) Panelists Joaquim Enseñat (ES) Ted Schwartz (US) Charlie Teo (AU) Joachim Oertel (DE) Hisaiuki Murai (JP) | RT 8. EPISTAXIS Moderator Richard Douglas (AU) Panelists Juan Ramon Gras (ES) Claudio Callejas (CL) Andrey Lopatin (RU) Andrew Swift (UK) Anshul Sama (UK) Guillaume de Bonnecaze (FR) | RT 5. DEALING WITH CHOANAL ATRESIA Moderator Peter V. Tomazic (AT) Panelists Leonardo Balsalobre (BR) A. Karligkiotis (US) Hussain El-Bosraty (EG) Oliver Haag (ES) PENDING |
| 10:00-10:30 | | COFFEE BREAK | COFFEE BREAK | |
| 10:30-12:00 | RT | RT 5. ENDOSCOPIC ASSISTED TRANSCRANIAL APPROACHES Moderator Norberto Andaluz (US) Panelists Garni Barkhoudarian (US) Miguel Angel Arraez (ES) Kesava Reddy (CA) Liliana Goumnerova (US) Luiz Carlos Alencastro (BR) | RT 2. EXTEND OF ENDOSCOPIC SINUS SURGERY FOR CRS Moderator Claus Bachert (BE) Panelists Roger Jankowski (FR) Richard Orlando (US) Alfons Garcia (ES) GT Adriansen (NL) José Miguel Villacampa Aubá (ES) | RT 19. REVISION FESS Moderator Martin Desrosiers (CA) Panelists Charles Ebert (US) Cristóbal Langdon (ES) Adam Zanation (US) Edward McCoull (US) Ian Witterick (CA) |
| 12:00-12:30 | KL | KL 2. ENDOSCOPIC TREATMENT OF CRANIOSYNOSTOSIS Hans Delye (NL) | KL 5. ENDOSCOPIC FRONTAL SINUS SURGERY, WHAT ARE THE LIMITS? Wytske Fokkens (NL) | KL 6. DIFFICULTIES DURING TRANSNASAL ENDOSCOPIC SURGERY OF THE SELLA: RHINOLOGIC PERSPECTIVES Reda Kamel (EG) |
| 12:30-14:00 | | LUNCH | LUNCH | |
| 14:00-15:00 | IC | PENDING | IC 6. CREATING PEDICLED FLAPS Ricardo Carrau (US) / Isam Alobid (ES) | IC 9. GRANULOMATOUS DISEASES IN THE NOSE AND PARANASAL SINUSES Matteo Trimarchi (IT) / Mario Bussi (IT) |
| 15:00-16:30 | RT | RT 6. HYDROCEPHALUS Moderator Javier Marquez (ES) Panelists Flavio Giordano (IT) Ulrich Thomale (DE) Assem Abdel Latif (EG) Paola Ragazzi (IT) Richard Edwards (UK) | RT 17. APPROACHES TO THE PTERIGOPALATINE AND INFRATEMPORAL FOSSA Moderator PENDING Panelists Luigi Cavallo (IT) Ricardo Carrau (US) Prepageran Narayanan (MY) Richard Harvey (AU) Tang Ing Ping (MY) | RT 16. SEPTAL PERFORATIONS Moderator Isam Alobid (ES) Panelists Antonio Sousa Vieira (PO) Alfonso Santamaria (ES) Jose Letort (EC) Paolo Castelnuovo (IT) Ed Pribitkin (US) |
| 16:30-17:00 | | COFFEE BREAK | COFFEE BREAK | |
| 17:00-19:00 | FP | 17.00-17.30 KL3. ENDOSCOPIC TREATMENT OF LESIONS OF THE IV VENTRICLE Henry Schroeder (DE) 17.30-19.00 RT 7. NEW TECHNOLOGIES IN INTRACRANIAL SURGERY Moderator Josep Gonzalez (ES) Panelists Stefan Wolfsberger (AT) Kenichi Nishiyama (JP) Ulrich Thomale (DE) Carlo Efisio Marras (IT) Martin Schumann (DE) | | |

| HALL 125 VASCULAR | | |
|-------------------|--------------|--|
| 7:30-8:30 | IC | IC 1. BY-PASS IN MINIMALLY INVASIVE NEUROSURGERY Jon Olabe Goxencia (ES) / Ana Rodriguez (ES) |
| 8:30-10:00 | RT | RT 1. MINIMALLY INVASIVE SURGERY FOR ANEURYSMS Moderator Ana Rodriguez (ES) Panelists Norberto Andaluz (US) Francisco Gonzalez Llanos (ES) Domenico Catapano (IT) Rosario Sarabia (ES) |
| 10:00-10:30 | COFFEE BREAK | |
| 10:30-12:00 | RT | RT 2. MINIMALLY INVASIVE SURGERY FOR INTRACRANIAL HEMORRHAGE Moderator Francisco Gonzalez Llanos (ES) Panelists Alfonso Lagares Gomez-Abascal (ES) Gustavo Pradilla (US) Javier Orduna (ES) Luis Ley (ES) Hisaiuk Murai (JP) |
| 12:00-12:30 | KL | KL 1. MANAGEMENT OF COMPLEX ANEURYSMS Mario Zucarello (US) |
| 12:30-14:00 | LUNCH | |
| 14:00-15:00 | IC | IC2. MANAGEMENT OF COMPLEX AVM Mario Zucarello (US) |
| 15:00-16:30 | RT | RT 3. MINIMALLY INVASIVE SURGERY FOR CAVERNOMAS Moderator Javier Ibañez (ES) Panelists Amin Kassam (US) Ramón Torné (ES) Andreu Gabarrós (ES) Mario Zucarello (US) Iñaki Arrese (ES) |
| 16:30-17:00 | COFFEE BREAK | |
| 17:00-19:00 | FP | |

| HALL 116 DISSECTION | | HALL 117 SKULL BASE |
|---------------------|--------------|---|
| 7:30-8:30 | IC | 3D ANATOMY OF THE SKULL BASE Eugenio Cárdenas (ES) / Ariel Kaen (ES) |
| 8:30-10:00 | RT | ENDOSCOPIC APPROACH TO THE CRANIO-CERVICAL JUNCTION Moderator A. Alqahtani (SA) Panelists A. Kassam (US) A. Monroy (US) |
| 10:00-10:30 | COFFEE BREAK | |
| 10:30-12:00 | RT | 10.30-11.45 ENDOSCOPIC NASOPHARYNGECTOMY Moderator A. Solares (US) Panelist P. Castelnuovo (IT) M. Turri-Zanoni (IT) |
| 12:00-12:30 | KL | 11.45-13.00 ENDOSCOPIC APPROACH TO THE CLIVUS AND HYPOGLOSSAL CANAL Moderator M. de Notaris (IT) Panelists J. Enseñat (ES) I. Alobid (ES) |
| 12:30-14:00 | RT | 13.00-14.00 ENDOSCOPIC LANDMARKS OF THE INTERNAL CAROTID ARTERY Moderator PV Tomazic (AT) Panelists C. Teo (AU) D. Locatelli (IT) |
| | | IC 9. TRANSORBITAL ENDOSCOPICALLY ASSISTED APPROACH TO THE MIDDLE CRANIAL FOSSA Iacopo Dalla (IT) / Doo-Sik Kong (KR) |
| | | RT 14. PEDICLED FLAPS FOR RECONSTRUCTION Moderator Narinder Singh (AU) Panelists Chester Griffiths (US) Sammy Khalili (US) Gustavo Hadad (AR) Ehab Hanna (US) Esteban Cordero (ES) |
| | | RT 17. ENDOSCOPIC APPROACHES OF CHORDOMAS AND CHONDROSARCOMAS Moderator Michael Mokry (AT) Panelists Ted Schwartz (US) Luigi Cavallo (IT) Shaan Raza (US) G. J. Almodóvar-Mercado (PR) Andrew Davidson (AU) |
| | | PENDING |
| | | RT 11. TRANSNASAL ENDOSCOPIC CAVERNOUS SINUS SURGERY Moderator Ernesto Pasquini (IT) Panelists Aldo Stamm (BR) Daniel Kelly (US) Amin Kassam (US) Narayan Jayashankar (MY) Philippe Herman (FR) |

| | | HALL 118-119 RHINOLOGY | HALL 120-121 RHINOLOGY | | HALL 122 INTRACRANIAL | HALL 123 SKULL BASE |
|-------------|----|--|--|--|--|---|
| 7:30-8:30 | IC | IC 10. TRANSPERIGOID APPROACH TO THE LATERAL SPHENOID Ashok Rokade (UK) / N. Mathad (UK) | IC 11. ESS FOR CF AND PCD: SIMILARITIES AND DIFFERENCES Marc Jorissen (BE) / Laura van Gerven (BE) | | PENDING | IC 8. MACROADENOMAS: MAXIMIZING TUMOUR REMOVAL WITHOUT A CSF LEAK Paul Nix (UK) / Nick Phillips (UK) |
| 8:30-10:00 | RT | RT 15. SURGICAL TREATMENT OF CRS WITH POLYPOSIS Moderator Ian Witterick (CA) Panelists Claus Bachert (BE) Laura van Gerven (BE) Matteo Trimarchi (IT) Marco Caversaccio (CH) Andrey Lopatin (RU) | RT 13. FRONTAL SINUS APPROACH Moderator Roy Casino (US) Panelists Cem Mecro (TR) Hans Rudolf Briner (CH) Alfredo Herrera (CO) James Palmer (US) Mario Turri-Zanoni (IT) | | RT 8. INTRAVENTRICULAR SURGERY (COLLOID CYSTS, TUMORS, VENTRICULITIS) Moderator Bassel Zebian (UK) Panelists Alessandro Florindi (IT) Carlos Gagliardi (AR) Fernando Chico Ponde de León (MX) Hisaiuki Murai (JP) Alberto Delitalia (IT) | RT 19. HOW I MANAGE CHORDOMAS AND CHONDROSARCOMAS Moderator Martin Bettag (DE) Panelists Jorge Torales (ES) Eugenio Cardenas (ES) Rüdiger Gerlach (DE) Carlos Alarcon (ES) |
| 10:00-10:30 | | COFFEE BREAK | | | COFFEE BREAK | |
| 10:30-12:00 | RT | RT 14. COMPLICATIONS IN FESS Moderator Marc Jorissen (BE) Panelists Mauricio López (EC) Jaime Santos (ES) GF Adriaensen (NL) Andres Obando (EC) Carlos Cenjor (ES) | RT 7. LARGE SKULL BASE DEFECTS: WHAT MATTERS? Moderator Prepageran Narayanan (MY) Panelists Bradley Otto (US) Islam Herzallah (SA) Carlos Pinheiro-Neto (US) Isam Alobid (ES) Adam Folbe (US) | | RT 9. HYDROCEPHALUS 2 Moderator PENDING Panelists Carlos Brusius (BR) Llewellyn Padayachi (ZA) Federico di Rocco (FR) Ricardo Santos de Oliveira (BR) | RT 20. HOW I DEAL WITH CRANIOPHARYNGIOMAS Moderator Rüdiger Gerlach (DE) Panelists Damien Bresson (FR) Marco Verstegen (NL) Juan Jose Ailagás de las Heras (ES) Robert Reisch (CH) Francisco Gonzalez Llanos (ES) |
| 12:00-12:30 | KL | KL 7. ENDOSCOPIC SURGERY IN SINONASAL MALIGNANCIES: STATE OF THE ART AND FUTURE PERSPECTIVES Piero Nicolai (IT) | KL 8. ENDOTYPE-DRIVEN APPROACHES TO SINUS SURGERY - THE REBOOT CONCEPT Claus Bachert (BE) | | PENDING | KL 3. THE DIFFICULTIES IN PROVIDING MULTI-DISCIPLINARY MANAGEMENT OF SINONASAL MALIGNANCIES Lee A. Zimmer (US) |
| 12:30-14:00 | RT | RT 3. EXTENDED MAXILLARY (DENKER/MEDIAL MAXILLECTOMY) SINUS SURGERY Moderator Wytske Fokkens (NL) Panelists Paolo Battaglia (IT) Reda Kamel (EG) Alberto Schreiber (IT) Humberto Masegur (ES) Giovanni Felisati (IT) | RT 21. NOVEL THERAPIES IN TREATMENT OF RECALCITRANT CHRONIC RHINOSINUSITIS Moderator John DelGaudio (US) Panelists Eric Wang (US) Arturo Solares (US) Stacey Gray (US) John DelGaudio (US) Jlivianne T. Lee (US) | | PENDING | |

| | | HALL 124 SKULL BASE | HALL 125 RHINOLOGY |
|-------------|----|---|---|
| 7:30-8:30 | IC | PENDING | PENDING |
| 8:30-10:00 | RT | RT 21. TRANSCRIBIFORM APPROACH Moderator Andrew Davidson (AU) Panelists Jose Luis Llorente (ES) Damien Bresson (FR) Maarten Kleijwegt (NL) Robert Reisch (CH) Jose Luis Reyes (ES) | RT 22 ARS 2. ENDOSCOPIC MANAGEMENT OF ENCEPHALOCELES AND CSF LEAKS Moderator Jivianne Lee (US) Panelists John DelGaudio (US) Richard Orlandi (US) Raj Sindwani (US) David Kennedy (US) |
| 10:00-10:30 | | COFFEE BREAK | |
| 10:30-12:00 | RT | RT 13. COMPLICATIONS IN EXTENDED APPROACHES Moderator Ricardo Carrau (US) Panelists Nishit Shah (IN) Carla Fernandez (ES) Paolo Cappabianca (IT) Alex Paluzzi (UK) Jorge Torales (ES) | RT 23. ENDOSCOPIC SEPTOPLASY AND TURBINAL SURGERY Moderator Ashok Rokade (UK) Panelists Michael Bauer (ES) Sergej Karpischenko (RU) Yoann Pons (FR) MS Yilmaz (TR) Pierre Dolhen (FR) |
| 12:00-12:30 | KL | PENDING | KL 2. SURGERY IN THE ERA OF BIOLOGICS. WHAT DOES THE FUTURE HOLD? Robert Kern (US) |
| 12:30-14:00 | RT | RT 24. ENDOSCOPIC APPROACH TO THE CRANIOCERVICAL JUNCTION Moderator Sébastien Froelich (FR) Panelists Corinna G. Levine (USA) Zoukaa Sargi (US) Harminder Singh (US) Stephane Gallard (FR) Masahiro Shin (JP) | RT 25 SB. ENDOSCOPIC APPROACH TO MACROADENOMAS Moderator Paul Nix (UK) Panelists Nick Phillips (UK) Emmanuel Jouanneau (FR) Yong Hwy Kim (KR) Doo-Sik Kong (KR) Adam Zanation (US) |

Rhinology

PRELIMINARY PROGRAM



Rhinology Sessions

1. CSF LEAKS

Moderator

James Palmer (US)

Panelists

Thomas Schmidt (CL)

Chester Griffiths (US)

Marina Nersesyan (RU)

Luis Eduardo Cabezas Labrin (CL)

Narinder Singh (AU)

2. EXTEND OF ENDOSCOPIC SINUS SURGERY FOR CRS

Moderator

Claus Bachert (BE)

Panelists

Roger Jankowski (FR)

Richard Orlando (US)

Alfons Garcia (ES)

GT Adriansen (NL)

José Miguel Villacampa Aubá (ES)

3. EXTENDED MAXILLARY (DENKER/MEDIAL MAXILLECTOMY) SINUS SURGERY

Moderator

Wytse Fokkens (NL)

Panelists

Paolo Battaglia (IT)

Reda Kamel (EG)

Humberto Masegur (ES)

Alberto Schreiber (IT)

Giovanni Felisati (IT)

4. TIMING AND COST-EFFECTIVENESS OF SURGERY FOR CRS

Moderator

Richard Orlandi (US)

Panelists

Raj Sindwani (US)

Corinna G. Levine (US)

Claire Hopkins (GB)

Gabriel Martinez (ES)

John Del Gaudio (US)

5. DEALING WITH CHOANAL ATRESIA

Moderator

Peter V. Tomazic (AT)

Panelists

Leonardo Balsalobre (BR)

Apostolos Karligkiotis (GR)

Hussain El-Bosraty (EG)

Oliver Haag (ES)

Panelist

6. RECONSTRUCTION OF SMALL AND MEDIUM SIZED SKULL BASE DEFECTS

Moderator

Ehab Hanna (US)

Panelists

Anthony del Signore (US)

Ramon Serramito (ES)

G. Nyquist (US)

Benjamin Verillaud (FR)

Pedro Sarría (ES)

7. LARGE SKULL BASE DEFECTS: WHAT MATTERS?

Moderator

Prepageran Narayanan (MY)

Panelists

Bradley Otto (US)

Islam Herzallah (EG)

Carlos Pinheiro-Neto (US)

Isam Alobid (ES)

Adam Folbe (US)

8. EPISTAXIS

Moderator

Richard Douglas (AU)

Panelists

Juan Ramon Gras (ES)

Claudio Callejas (CL)

Andrey Lopatin (RU)

Andrew Swift (GB)

Anshul Sama (GB)

9. FRONTAL SINUS: TO DRILL OR NOT TO DRILL

Moderator

Anshul Sama (GB)

Panelists

Christos Georgalas (GR)

Richard Harvey (AU)

Nieves Mata (ES)

Alfredo Garcia-Fernandez (ES)

Itzak Bravermann (IS)

10. JUVENILE ANGIOFIBROMAS

Moderator

Philippe Herman (FR)

Panelists

Ralph Abi Hachem (US)

Piero Nicolai (IT)

Hussain El-Bosraty (EG)

Cristóbal Langdon (ES)

Jean Anderson Eloy (US)

11. DCR

Moderator

Philippe Eloy (BE)

Panelists

Roy Casiano (US)

Guillermo Plaza (ES)

Francesc Cruellas (ES)

Ed Pribitkin (US)

12. INVERTED PAPILOMA

Moderator

Jose Luis Llorente (ES)

Panelists

Marc Tewfik (CA)

Codrut Sarafoleanu (RO)

Andrew Swift (GB)

Andreas Leunig (DE)

Mario Turri-Zanoni (IT)

Rhinology Sessions

13. FRONTAL SINUS APPROCHE

Moderator
Roy Casino (US)

Panelists
Cem Meco (TR)
Hans Rudolf Briner (CH)
Alfredo Herrera (CO)
James Palmer (US)
Mario Turri-Zanoni (IT)

14. COMPLICATIONS IN FESS

Moderator
Marc Jorissen (BE)

Panelists
Mauricio López (EC)
Jaime Santos (ES)
GF Adriaensen (NL)
Andres Obando (EC)
Carlos Cenjor (ES)

15. SURGICAL TREATMENT OF CRS WITH POLYPOSIS

Moderator
Ian Witterick (CA)

Panelists
Claus Bachert (BE)
Laura van Gerven (BE)
Matteo Trimarchi (IT)
Marco Caversaccio (CH)
Andrey Lopatin (RU)

16. SEPTAL PERFORATIONS

Moderator
Isam Alobid (ES)

Panelists
Antonio Sousa Vieira (PO)
Alfonso Santamaria (ES)
Jose Letort (EC)
Paolo Castelnuovo (IT)
Ed Pribitkin (US)

17. APPROACHES TO THE PTERIGOPALATINE AND INFRA TEMPORAL FOSSA

Moderator
PENDING

Panelists
Luigi Cavallo (IT)
Ricardo Carrau (US)
Prepageran Narayanan (MY)
Richard Harvey (AU)
Tang Ing Ping (MY)

18. PEDIATRIC ESS

Moderator
Ernesto Pasquini (IT)

Panelists
Wytske Fokkens (NL)
Dilyana Vicheva (BG)
Franklin Mariño (ES)
Ashutosh Kacker (US)
PV Vlastarakos (GR)

19. REVISION FESS

Moderator
Martin Desrosiers (CA)

Panelists
Charles Ebert (US)
Cristóbal Langdon (ES)
Adam Zanation (US)
Edward McCoul (US)
Ian Witterick (CA)

20. ENDOSCOPIC APPROACH FOR FRONTOETHMOIDAL MUCOCELES

Moderator
David Jang (US)

Panelists
Cem Meco (TR)
Apostolos Karligiotis (GR)
Hans Rudolf Briner (CH)
Martin Desrosiers (CA)
Seth Brown (US)

21. NOVEL THERAPIES IN TREATMENT OF RECALCITRANT CHRONIC RHINOSINUSITIS

Moderator
John DelGaudio (US)

Panelists
Eric Wang (US)
Arturo Solares (US)
Stacey Gray (US)
John DelGaudio (US)
Jivianne Lee (US)

22 ARS 2. ENDOSCOPIC MANAGEMENT OF ENCEPHALOCELES AND CSF LEAKS

Moderator
Jivianne Lee (US)

Panelists
John DelGaudio (US)
Richard Orlandi (US)
Raj Sindwani (US)
David Kennedy (US)

23. ENDOSCOPIC SEPTOPLASY AND TURBINAL SURGERY

Moderator
Ashok Rokade (UK)

Panelists
Michael Bauer (ES)
Sergej Karpischenko (RU)
Yoann Pons (FR)
MS Yilmaz (TR)
Pierre Dolhen (FR)

25 SB. ENDOSCOPIC APPROACH TO MACROADENOMAS

Moderator Paul Nix (UK)

Panelists
Nick Phillips (UK)
Emmanuel Jouanneau (FR)
Yong Hwy KIM (JP)
Doo-Sik Kong (KR)
Adam Zanation (US)

Rhinology Instruction Courses

1. DRAF TYPE III

Christos Georgalas (GR)
Anshul Sama (GB)
Philippe Herman (FR)

2. APPLIED INTRA- OPERATIVE NAVIGATION

Heinz Stammberger (AT)
Michael Mokry (AT)
Peter V. Tomazic (AT)
Verena Gellner (AT)

3. RECONSTRUCTING SEPTAL PERFORATIONS

Isam Alobid (ES)
Paolo Castelnovo (IT)
Cristóbal Langdon (ES)

4. ABC OF FESS

Heinz Stammberger (AT)
Peter V. Tomazic (AT)

5. ENDOSCOPIC DCR

Philippe Eloy (BE)
Manuel Bernal-Sprekelsen (ES)

6. CREATING PEDICLED FLAPS

Ricardo Carrau (US)
Isam Alobid (ES)

7. TREATMENT OF SEVERE EPISTAXIS. FROM PACKING TO CLIPPING

Elie Serrano (FR)
Guillaume de Bonnecaze (FR)

8. UPDATED MANAGEMENT OF OLFATORY DISORDERS

Joaquim Mullol (ES)
Thomas Hummel (DE)

9. GRANULOMATOUS DISEASES IN THE NOSE AND PARANASAL SINUSES

Matteo Trimarchi (IT)
Mario Bussi (IT)

IC 10. TRANSPTERIGOID APPROACH TO THE LATERAL SPHENOID

Ashok Rokade (UK)
N. Mathad (UK)

IC 11. ESS FOR CF AND PCD: SIMILARITIES AND DIFFERENCES

Marc Jorissen (BE)
Laura Van Gerven (BE)

Rhinology Keynote Lectures

1. UNCINATE AND BULLA LAMELLAE: TWO CHAMELEONS IN THE ANTERIOR ETHMOID - OR: HAVE WE REALLY MASTERED ANATOMY OF FRONTAL SINUS APPROACHES YET?

Heinz Stammberger (AT)
James Zinreich (US)

2. SURGERY IN THE ERA OF BIOLOGICS. WHAT DOES THE FUTURE HOLD?

Robert Kern (US)

3. CURRENT TRENDS IN SUBLINGUAL IMMUNOTHERAPY

Ludger Klimek (DE)

4. UPPER AIRWAY EPITHELIUM – FROM STEM CELLS TO TISSUE ENGINEERING

De Yun Wang (SG)

5. ENDOSCOPIC FRONTAL SINUS SURGERY, WHAT ARE THE LIMITS?

Wytske Fokkens (NL)

6. DIFFICULTIES DURING TRANSNASAL ENDOSCOPIC SURGERY OF THE SELLA: RHINOLOGIC PERSPECTIVES

Reda Kamel (EG)

7. ENDOSCOPIC SURGERY IN SINONASAL MALIGNANCIES: STATE OF THE ART AND FUTURE PERSPECTIVES

Piero Nicolai (IT)

8. ENDOTYPE-DRIVEN APPROACHES TO SINUS SURGERY - THE REBOOT CONCEPT

Claus Bachert (BE)

Skull Base

PRELIMINARY PROGRAM



Skull Base Sessions

1. MULTI-DISCIPLINARY MANAGEMENT OF SINONASAL MALIGNANCIES

Moderator

Piero Nicolai (IT)

Panelists

Shaan Raza (US)

Philippe Herman (FR)

Ehab Hanna (US)

Jose Luis Llorente (ES)

Lee A. Zimmer (US)

2. INTERNAL CAROTID ARTERY IN SKULL BASE

Moderator

Paolo Castelnuovo (IT)

- A journey of endoscopic surgical anatomy
Prepageran Narayanan (MY)
- The utility of the Doppler in avoiding vascular injury in endoscopic skull base surgery
Daniel Kelly (US)
- Daniel Prevedello (US)
- Radiological study of the carotid clival window
David Jang (US)
- Arturo Solares (US)

3. OPTIC NERVE / CHIASMA + ORBITAL DECOMPRESSION

Moderator

Heinz Stammberger (AT)

- Intracranial decompression of ONs and chiasm for various indications
Darlene Lubbe (SA)
- Iacopo Dallan (IT)
- Fernando Muñoz (ES)
- Bernard Sanchez Dalmau (ES)
- Madeleine Schabag (US)

4. ADVANCES IN IMAGE GUIDED NAVIGATION

Moderator

Marco Caversaccio (CH)

Pedro Roldán (ES)

Heinz Stammberger (AT)

Benjamin Bleier (US)

James Palmer (US)

5. ENDOSCOPIC SURGERY OF SUPRASELLAR LESIONS

Moderator

Matteo de Notaris (IT)

Panelists

Eduardo Vellutini (BR)

Moises Sánchez (ES)

Verena Gellner (AT)

Alberto Torres (ES)

Martin Bettag (DE)

6. PITUITARY SURGERY

Moderator

Joaquim Enseñat (ES)

- Engelbert Knosp (AT)
- Wouter van Furth (NL)
- Fred Gentili (US)
- Davide Locatelli (IT)
- Pituitary tumors
Joseph K. Han (US)

7. POSTERIOR CRANIAL FOSSA MENINGIOMAS

Moderator

Amin Kassam (US)

- Diego Mazzatenta (IT)
- James Liu (US)
- Open approaches
Norberto Andaluz (US)
- Petroclival meningiomas
Paul Gardner (US)
- Cristina Hostalot (ES)

8. ENDOSCOPIC ENDONASAL APPROACH FOR CRANIOPHARYNGIOMAS

Moderator

Daniel Prevedello (US)

- Diego Mazzatenta (IT)
- Craniopharyngiomas... endonasal vs eyebrow?
Charlie Teo (AU)
- Eduardo Vellutini (BR)
- Leo Ditzel Filho (BR)
- Paolo Cappabianca (IT)

9. TRANSNASAL ENDOSCOPIC SURGERY OF CLIVUS AND POSTERIOR FOSSA

Moderator

Paul Gardner (US)

Panelists

Jun Muto (JP)

Aldo Stamm (BR)

Joaquim Enseñat (ES)

Garni Barkhoudarian (US)

Felice Esposito (IT)

Skull Base Sessions

10. ENDOSCOPIC TRANSNASAL APPROACH TO MECKEL'S CAVE

Moderator
Ted Schwartz (US)

Panelists

Matteo Zoli (IT)
Michael Mokry (AT)
Jaime Pinto (CL)
Gustavo Pradilla (US)

11. TRANSNASAL ENDOSCOPIC CAVERNOUS SINUS SURGERY

Moderator
Ernesto Pasquini (IT)

- Aldo Stamm (BR)
- Graded skull base reconstruction techniques in endoscopic parasellar tumor removal
Daniel Kelly (US)
- Amin Kassam (US)
- Endoscopic anatomy of the ICA
Narayan Jayashankar (MY)
- Philippe Herman (FR)

12. ENDOSCOPIC APPROACH TO THE INTERNAL CAROTID ARTERY. WHAT TO AVOID

Moderator
Aldo Stamm (BR)

- Internal Carotid Artery anatomy and classification
Marcos Gomes (BR)
- Injury of ICA during EEA: risk factors and preventive measures
AbdulAziz AlQahtani (SA)
- Carotid artery injury avoidance and model
Gabriel Zada (US)
- By-pass in ICA lesions
Ramón Torné (ES)
- Oleg Sharipov (RU)

13. COMPLICATIONS IN EXTENDED APPROACHES

Moderator
Ricardo Carrau (US)

Panelists
Nishit Shah (IN)
Paolo Cappabianca (IT)
Alex Paluzzi (GB)
Jorge Torales (ES)
Carla Fernández (ES)

14. PEDICLED FLAPS FOR RECONSTRUCTION

Moderator
Narinder Singh (AU)

- Mucosal, vascular and olfaction sparing techniques in endoscopic skull base surgery; rescue flaps and more
Chester Griffiths (US)
- Sammy Khalili (US)
- Gustavo Hadad (AR)
- Ehab Hanna (US)
- Esteban Cordero (ES)

15. TRAINING IN EXTENDED ENDOSCOPIC SURGERY

Moderator
Daniel Kelly (US)

- Paolo Battaglia (IT)
- From the Lab to surgery: how anatomy changes our practice
Matteo de Notaris (IT)
- 3D anatomy
Robert Moumdjian (CA)
- Eugenio Cárdenas (ES)
- Domenico Solari (IT)

16. TRANSORBITAL APPROACHES

Moderator
Benjamin Bleier (US)

- Iacopo Dallan (IT)
- Endoscopic Intraconal orbital tumor surgery
Benjamin Bleier (US)
- HJ Welkoborsky (DE)
- Alex Paluzzi (GB)
- Santiago Ortiz (ES)

17. ENDOSCOPIC APPROACHES OF CHORDOMAS AND CHONDROSARCOMAS

Moderator
Michael Mokry (AT)

Panelists
Ted Schwartz (US)
Luigi Cavallo (IT)
Shaan Raza (US)
Gustavo Almodóvar-Mercado (PR)
Andrew Davidson (AU)

Skull Base Sessions

18. OUTCOMES AND PROMS IN ENDOSCOPIC SKULL BASE SURGERY

Moderator

Claire Hopkins (GB)

- International multicenter outcome study on meningiomas
Wouter van Furth (NL)
- QOL and cost in pituitary surgery
Charles Ebert (US)
- Richard Harvey (AU)
- Pituitary surgery and headache: do we make our patients better?
Ben Jonker (AU)
- Carlos Pinheiro-Neto (US)

19. HOW I MANAGE CHORDOMAS AND CHONDROSARCOMAS

Moderator

Martin Bettag (DE)

Panelists

Jorge Torales (ES)
Eugenio Cardenas (ES)
Rüdiger Gerlach (DE)
Carlos Alarcón (ES)

20. HOW I DEAL WITH CRANIOPHARYNGIOMAS

Moderator

Rüdiger Gerlach (DE)

Panelists

Damien Bresson (FR)
Marco Versteegen (NL)
Juan José Ailagas de las Heras (ES)
Robert Reisch (CH)
Francisco González Llanos (ES)

21. TRANSCRIBIFORM APPROACH

Moderator

Andrew Davidson (AU)

Panelists

Jose Luis Llorente (ES)
Jose Luis Reyes (ES)
Damien Bresson (FR)
Maarten Kleijwegt
Robert Reisch (CH)

22. PEDIATRIC ENDOSCOPIC SKULL BASE SURGERY

Moderator

Paolo Farneti (IT)

- Gokmen Kahilogullari (TR)
- Luigi Cavallo (IT)
- Orbital complications in children
HJ Welkoborsky (DE)
- Luca Massimi (IT)
- Francois Lechanoine (FR)
- Harminder Singh (US)

23. (3D) SINUSES AND SKULL BASE ANATOMY

Moderator

Maria Peris-Celda (US)

Panelists

Irene Monjas (ES)
Alejandro Monroy (US)
Andreas Leunig (DE)
Ariel Kaen (ES)
Ameet Sing (US)

24. ENDOSCOPIC APPROACH TO THE CRANIOCERVICAL JUNCTION

Moderator

Sébastien Froelich (FR)

Panelists

Corinna G. Levine (US)
Zoukaa Sargi (US)
Harminder Singh (US)
Stephane Gallard (FR)
Masahiro Shin (JP)

25. ENDOSCOPIC APPROACH TO MACROADENOMAS

Moderator

Paul Nix (UK)

Panelists

Emmanuel Jouanneau (FR)
Neelam Venkataraman (IN)
Garry Gallia (US)
Revathi Govindaraju
Adam Zanation (USA)

26. WFNS SURGICAL DECISION MAKING: PURE ENDOSCOPIC ENDONASAL, ENDOSCOPIC ASSISTED OR COMBINED

Moderator

Jose Landeiro (AR)

Sébastien Froelich (FR)
Miguel Angel Arraez (ES)
James Liu (US)
Mashiro Shin (JP)

Skull Base Instruction Courses

**1. 3D ANATOMY
OF THE SKULL BASE**
Eugenio Cárdenas (ES)

2. NASOPHARYNGECTOMY
Paolo Castelnovo (IT)
Ricardo Carrau (US)
Paolo Battaglia (IT)

**3. NEUROANESTHESIA IN
EXPANDED ENDOSCOPIC
SKULL BASE SURGERY**
Sergio D. Bergese (US)

**4. PITUITARY SUGERY.
HOW I DO IT**
Engelbert Knosp (AT)

**5. SUPRASELLAR
MENINGIOMAS. HOW I DO IT**
Ricardo Carrau (US)
Daniel Prevedello (US)

6. 360° ORBITAL SURGERY
Amin Kassam (US)

**7. THE MANAGEMENT OF
CRANIOPHARYNGIOMAS:
OPEN VS ENDOSCOPIC
APPROACH-CURRENT STATE
OF THE ART**
Fred Gentili (US)
(confirmation pending)

**8. MACROADENOMAS:
MAXIMIZING TUMOUR REMO-
VAL WITHOUT A CSF LEAK**
Paul Nix (UK)
Nick Phillips (UK)

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Skull Base Keynote Lectures

1. PENDING
Engelbert Knosp (AT)

**2. COMBINED OPEN AND
ENDOSCOPIC TECHNIQUE
FOR SKULL BASE TUMORS**
Patrick Froelich (FR)

**3. THE DIFFICULTIES
IN PROVIDING MULTI-
DISCIPLINARY
MANAGEMENT OF
SINONASAL MALIGNANCIES**
Lee A. Zimmer (US)

4. ADENOCARCINOMA
Marc Jorissen (BE)



Vascular

PRELIMINARY PROGRAM



Vascular Sessions

1. MINIMALLY INVASIVE SURGERY FOR ANEURYSMS

Moderator

Ana Rodríguez Hernández (ES)

Panelists

Norberto Andaluz (US)

Francisco González Llanos (ES)

Domenico Catapano (IT)

Rosario Sarabia (ES)

2. RT MINIMALLY INVASIVE SURGERY FOR INTRACRANIAL HEMORRHAGE

Moderator

Francisco González Llanos (ES)

Panelists

Alfonso Lagares Gómez-Abascal (ES)

Javier Orduna

Luis Ley (ES)

Hisaiuk Murai (JP)

Gustavo Pradilla (US)

3. RT MINIMALLY INVASIVE SURGERY FOR CAVERNOMAS

Moderator

Javier Ibáñez (ES)

Panelists

Amin Kassam (US)

Ramón Torné (ES)

Andreu Gabarrós (ES)

Mario Zucarello (US)

Iñaki Arrese (US)

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Vascular Instruction Courses

1. BY-PASS IN MINIMALLY INVASIVE NEUROSURGERY

Jon Olabe Goxencia (ES)

Ana Rodríguez Hernández (ES)

2. MANAGEMENT OF COMPLEX AVM

Gustavo Pradilla (US)

Vascular Keynote Lectures

1. MANAGEMENT OF COMPLEX ANEURYSMS

Mario Zucarello (US)



Intracranial

PRELIMINARY PROGRAM

Intracranial Sessions

1. SURGERY OF THE III VENTRICLE

Moderator
Guillermo Ibáñez (ES)

Panelists
Bassel Zebian (GB)
Henry Schroeder (DE)
Flavio Nigri (BR)
Guiseppe Cinalli (IT)
Domenico Catapano (IT)

2. PEDIATRIC HYDROCEPHALUS

Moderator
Marta Brell (ES)

Panelists
Llewellyn Padayachi (ZA)
Spyros Sgouros (GR)
Albert Sufianov (RU)
Bienvenido Ros

3. ARACHNOID CYSTS

Moderator
David Santamarta

Panelists
Guiseppe Cinalli (IT)
Álvaro Córdoba (ES)
Spyros Sgouros (GR)
Flavio Nigri (BR)
Santiago Candela

4. APPROACHES TO THE BRAIN STEM

Moderator
Mario Zucharello (US)

Panelists
Joaquim Enseñat (ES)
Ted Schwartz (US)
Charlie Teo (AU)
Joachim Oertel (DE)
Hisaiuk Murai (JP)

5. ENDOSCOPIC ASSISTED TRANSCRANIAL APPROACHES

Moderator
Norberto Andaluz (US)

Panelists
Garni Barkhoudarian (US)
Miguel Ángel Arraez (ES)
Kesava Reddy (CA)
Liliana Goumnerova (US)
Luiz Carlos Alencastro (BR)

6. HYDROCEPHALUS

Moderator
Javier Marquez

Panelists
Flavio Giordano (IT)
Ulrich Thomale (DE)
Assem Abdel Latif (EG)
Paola Ragazzi (IT)
Richard Edwards (GB)

7. NEW TECHNOLOGIES IN INTRACRANIAL SURGERY

Moderator
Josep González (ES)

Panelists
Stefan Wolfsberger (DE)
Kenichi Nishiyama (JP)
Ulrich Thomale (DE)
Carlo Efisio Marras (IT)
Martin Schumann (DE)

8. INTRAVENTRICULAR SURGERY (COLLOID CYSTS, TUMORS, VENTRICULITIS)

Moderator
Bassel Zebian (UK)

Panelists
Alessandro Fiorindi (IT)
Carlos Gagliardi (AR)
Fernando Chico Ponce de Leon (MX)
Hisaiuki Murai (JP)
Alberto Delitalia (IT)

9. HYDROCEPHALUS 2

Moderator
PENDING

Panelists
Carlos Brusius (BR)
Llewellyn Padayachi (ZA)
Federico di Rocco (FR)
Ricardo Santos de Oliveira (BR)

Intracranial Instruction Courses

1. SMART OR IN MINIMALLY INVASIVE
Pedro Roldán (ES)

2. PINEAL TUMORS: ENDOSCOPIC MANAGEMENT
Masakatsu Miyajima

3. TIPS & TRICKS IN ENDOSCOPIC RESECTION OF COLLOID CYSTS
Liliana Goumnerova (US)

Intracranial Keynote Lectures

1. ENDOSCOPIC ASSISTED NEUROSURGERY

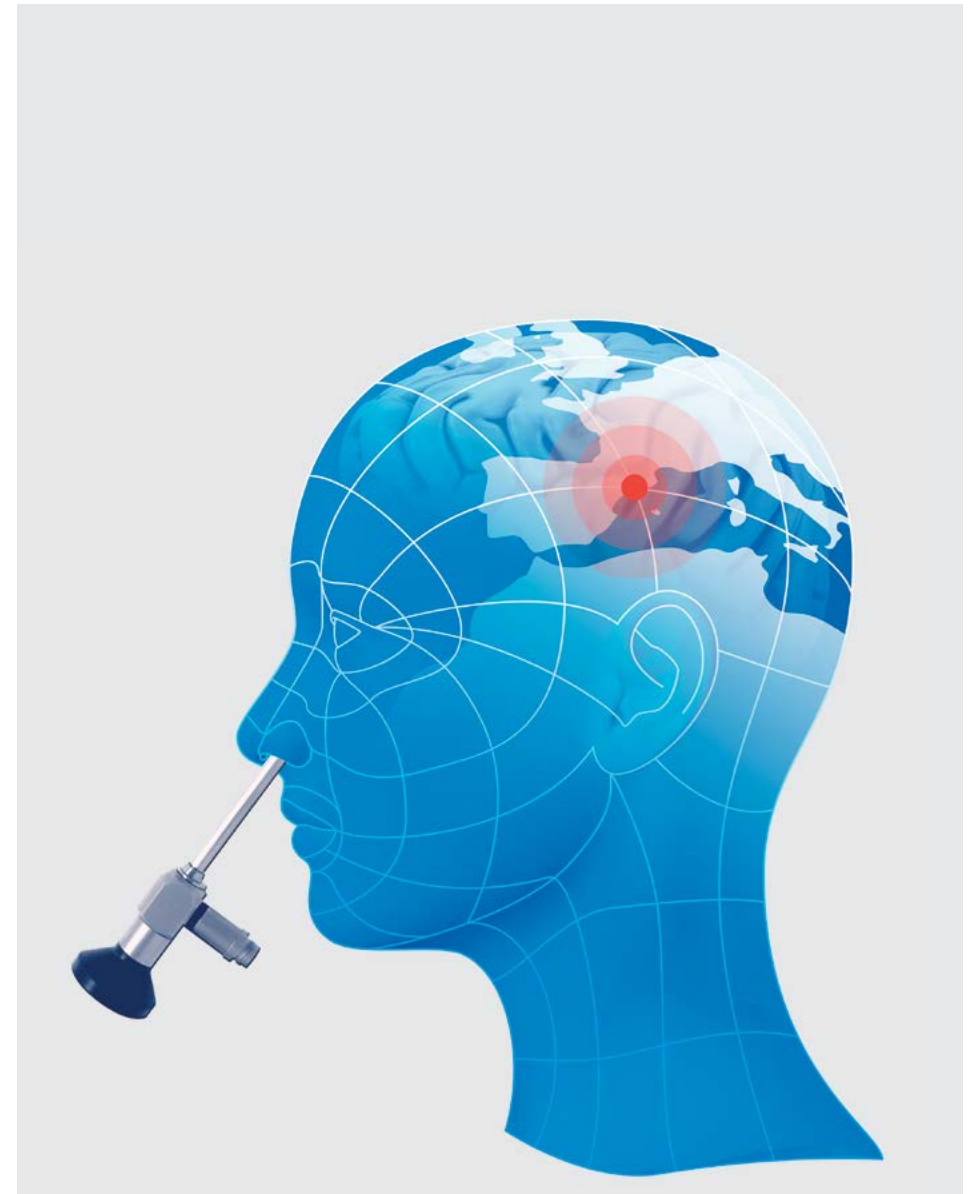
Charlie Teo (AU)

2. ENDOSCOPIC TREATMENT OF CRANIOSYNOSTOSIS

Hans Delye (NL)

3. ENDOSCOPIC TREATMENT OF LESIONS OF THE THE IV VENTRICLE

Henry Schroeder (DE)



Spine

PRELIMINARY PROGRAM

Spine Sessions

1. MINIMALLY INVASIVE LUMBAR SPINE SURGERY

Moderator

José Poblete (ES)

- Lumbar Endoscopic transforaminal approach
Guntram Krzok (DE)
- Endoscopic TLIF
Ralf Wagner (DE)
- Lumbar endoscopic translaminar approach
Ralf Wagner (DE)
- Lumbar endoscopic Experience
Antonio Mostaza
- Minimally invasive lumbar spine surgery
Jordi Rimbau (ES)

2. MINIMALLY INVASIVE CERVICAL SPINE SURGERY

Moderator

Jesús Lafuente (ES)

- Cervical tubular approach
José Antonio Soriano (ES)
- Tubular approach to chiari malformation
Kesava Reddy (CA)
- Do we really need to shift to the MISS in cervical spine?
Pablo Clavel
- 3D thoracoscopy in the management of thoracic disc herniation
Erwin Cornips (NL)

3. MINIMALLY INVASIVE APPROACH TO SPINE TUMORS

Moderator

Héctor Roldán (ES)

- Endoscopic resection of lumbar spine tumors
Felice Expósito (IT)
- Endoscopic – Can we remove tumours through a small tube in the cervical spine. Advantages and Limitations
José Antonio Soriano (ES)
- Open – Traditional removal of cervical spine tumours
Oscar Godino (ES)
- Open – Do we really need minimally invasiveness
C. Botella (ES)

Spine Dissection

Saturday 8.00am-2.00pm

1. CERVICAL FORAMINOTOMY

2. CERVICAL TUBULAR LAMINECTOMY

José Antonio Soriano (ES)

3. TRANSFORAMINAL ENDOSCOPIC DISCECTOMY

Guntram Krzok (DE)

4. TRANSLAMINAR ENDOSCOPIC APPROACH

Ralf Wagner (DE)

5. TRANSTHORACIC ENDOSCOPIC CORPECTOMY

Daniel Rosenthal (DE)

Spine Instruction Courses

INSTRUCTION COURSE 1

Moderator

Héctor Roldán (ES)

- Spinal endoscopic procedures, Why, When and How?
- Jesús Lafuente (ES)
- José Poblete (ES)

INSTRUCTION COURSE 2

Moderator

Jordi Rimbau (ES)

- Use of the exoscope as an alternative to endoscopic approach for spinal Surgery
Daniel Rosenthal (DE)
- Role of surgical Simulator models in MI Spine Surgery
A. Parajón
- Towards a global ultra-MISS concept of spine surgery: A personal perspective.
Héctor Roldán (ES)

VENUE

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TECHNICAL SECRETARIAT



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