

EANS 2014

Prague

Czech Republic

October 12-17 | 2014

www.eans2014.com

Final Programme



EANS 2014

Present Limits of Neurosurgery



THE EUROPEAN ASSOCIATION
OF NEUROSURGICAL SOCIETIES

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**Venue: Nottingham Conference
Centre, Nottingham, UK**

NSpine provides comprehensive coverage of deformity, trauma, degenerative and tumour related topics of the spine. Our 2015 meeting will focus on the **craniocervical to cervicothoracic region**.

Parallel sessions will allow delegates to **tailor** their learning requirements to their respective needs – **from resident to master's level**.

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EANS 2014

**Prague
Czech Republic**

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Final Programme



EANS 2014

Present Limits of Neurosurgery



THE EUROPEAN ASSOCIATION
OF NEUROLOGICAL SURGEONS

EANS Individual Members...

Did you know there is a members' lounge with newspapers, computers and complimentary refreshments for your exclusive use?

Find the lounge by the EANS booth

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Join now and get 15 months' membership for the price of 12!

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- discounts for other events and publications
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- eligibility for EANS fellowships and awards
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www.eans.org

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TIMETABLE AT A GLANCE

LEGEND

Pre-Congress Course (Additional Cost - Please see Registration Page)	Plenary Session	Interactive Session (Pro/Con debate)	Breakfast Seminar (Additional Euro 20 limited to 40 persons per session)
EANS Anatomy Session	Parallel Session	Sponsored Satellite Symposium	Networking Events

REGISTRATION OPENS ON SUNDAY, OCTOBER 12 AT 07:15

SUNDAY, OCTOBER 12, 2014 - PRE-CONGRESS COURSES (REGISTRATION IS NECESSARY)

CHARLES UNIVERSITY HOSPITAL	HALL D	HALL E	HALL F
08:15-10:30 Pre-Congress Course 1: Endoscopic and Augmented Reality Base Surgery	08:15-10:30 Pre-Congress Course 2: EANS-WFNS 3D Surgical Neuroanatomy	08:15-10:30 Pre-Congress Course 4: AANS and EANS Present Neurosurgical Review by Case Management	08:15-10:30 Pre-Congress Course 1: Endoscopic and Augmented Reality Base Surgery
10:30-11:00 Coffee break			
11:00-13:00 Pre-Congress Course 1: Endoscopic and Augmented Reality Base Surgery	11:00-13:00 Pre-Congress Course 2: EANS-WFNS 3D Surgical Neuroanatomy	11:00-13:00 Pre-Congress Course 4: AANS and EANS Present Neurosurgical Review by Case Management	11:00-13:00 Pre-Congress Course 3: Virtual Reality Simulations and Augmented Reality Applications in Brain Surgery
13:00-14:00 Lunch			
14:00-15:00 Pre-Congress Course 1: Endoscopic and Augmented Reality Base Surgery	14:00-15:00 Pre-Congress Course 2: EANS-WFNS 3D Surgical Neuroanatomy	14:00-15:00 Pre-Congress Course 4: AANS and EANS Present Neurosurgical Review by Case Management	14:00-15:00 Pre-Congress Course 3: Virtual Reality Simulations and Augmented Reality Applications in Brain Surgery
15:00-15:30 Coffee break			
15:30-17:30 Pre-Congress Course 1: Endoscopic and Augmented Reality Base Surgery	15:30-17:30 Pre-Congress Course 2: EANS-WFNS 3D Surgical Neuroanatomy	15:30-17:30 Pre-Congress Course 4: AANS and EANS Present Neurosurgical Review by Case Management	15:30-17:30 Pre-Congress Course 3: Virtual Reality Simulations and Augmented Reality Applications in Brain Surgery
17:30-18:00 Opening Ceremony (Hall A) followed by a Welcome Reception (Exhibition Area)			

HALL A	HALL B	HALL C	HALL D	HALL E	HALL F	HALL G	HALL H	HALL I	HALL J
07:00-08:20 B502-Brain Metastases	07:00-08:20 B503-Minimally Invasive Spine Surgery	07:00-08:20 B504-Pediatric Brain Tumors	07:00-08:20 B505-Treatment of AVMs after ARUBA	07:00-08:20 B506-Treatment of Vestibular Schwannomas	07:00-08:20 B507-Moyamoya Vasculopathy	07:00-08:20 B508-Intraoperative Imaging	07:00-08:20 B509-Non Pituitary Endoscopic Surgery	07:00-08:20 B501-Spinal Cord Stimulation	
08:30-10:00 Plenary Session									
10:00-10:30 Coffee Break, Poster Viewing, Visit the Exhibition									
10:30-12:00 Plenary Session									
12:00-13:30 Lunch Break, Poster Viewing, Visit the Exhibition									
13:30-15:00 Lunch Satellite Symposium (12:30-13:30)	13:30-15:00 Lunch Satellite Symposium (12:30-13:30)	13:30-15:00 EANS Anatomy Session (12:40-13:20)	13:30-15:00 EANS Section of Neuro-Oncology/Glioma Stem Cells: Where Do We Go? (12:10-13:25)	13:30-15:00 Meningiomas - Multimodal Treatment	13:30-15:00 Complex Aneurysms: Clip, Bypass or Flow Diverter	13:30-15:00 EANS Ethico-Legal Committee Session	13:30-15:00 CranioPharyngiomas	13:30-15:00 Stimulation for Pain	
15:00-15:30 Intraoperative Imaging During Glioma Surgery: Perspectives	15:00-15:30 Degenerative Lumbar Spine Disease	15:00-15:30 Pediatric Neurosurgery and Peripheral Nerves	15:00-15:30 Experimental Vascular Topics	15:00-15:30 Meningiomas - Multimodal Treatment	15:00-15:30 Complex Aneurysms: Clip, Bypass or Flow Diverter	15:00-15:30 EANS Ethico-Legal Committee Session	15:00-15:30 CranioPharyngiomas	15:00-15:30 Stimulation for Pain	
15:00-15:30 Coffee Break, Poster Viewing, Visit the Exhibition									
15:30-17:00 Functional Assessments in Glioma Surgery	15:30-17:00 Degenerative Lumbar Spine Disease	15:30-17:00 Pediatric Neurosurgery and Peripheral Nerves	15:30-17:00 Update on Vascular RCTs	15:30-17:00 Skull Base	15:30-17:00 Bypass Surgery	15:30-17:00 EANS TC Videos How I Do It	15:30-17:00 Sellar Meningiomas	15:30-17:00 Trigeminal Neuralgia	
17:00-17:30 Intraoperative Assessments in Glioma Surgery	17:00-17:30 Low Grade Gliomas: Always Resection?	17:00-17:30 Sagittal Balance, Spinal Navigation	17:00-17:30 Limits of Surgery in Skull Base Tumors - Round Table	17:00-17:30 Clipping or Coiling - Still A Matter of Debate 12 Years After ISAT - Neurosurgical Perspective	17:00-17:30 Pros-Cons Endo Versus Micro	17:00-17:30 Monitoring in Cerebrovascular Surgery	17:00-17:30 Awarded Papers		

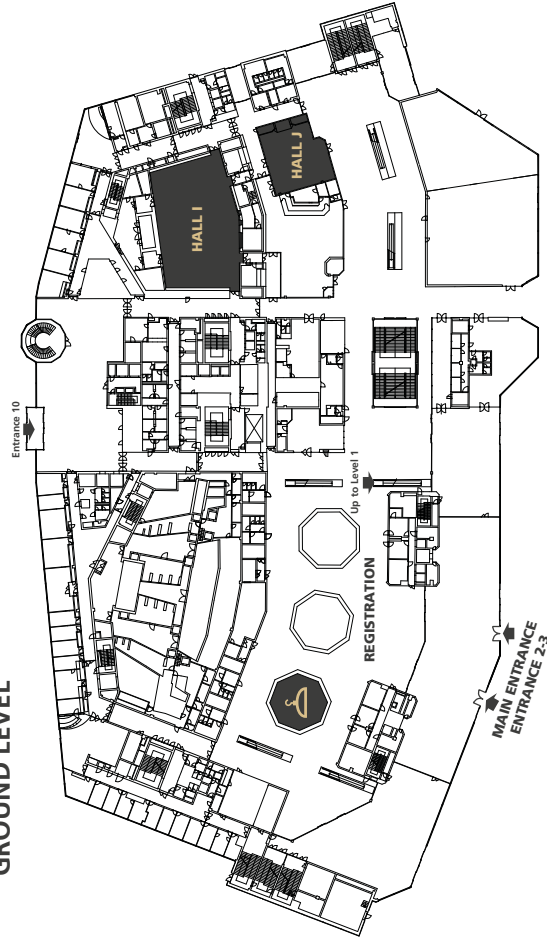
MONDAY, OCTOBER 13, 2014

WEDNESDAY, OCTOBER 15, 2014										
07:00-08:20	HALL A	BS19- Intraoperative Monitoring	BS20-Spinal Neurooncology	BS21- Arthroplasty	BS22-Pediatric Congenital Anomalies	BS23-The Hybrid Cerebrovascular Surgeon	BS24-Pituitary Adenomas	BS25-Treatment of Dural Fistula	BS26-Surgery of The Orbit	HALL I
08:30-10:00	Plenary Session	Coffee Break, Poster Viewing, Visit the Exhibition								
10:00-10:30	Plenary Session	Coffee Break, Poster Viewing, Visit the Exhibition								
10:30-12:00	Plenary Session	Coffee Break, Poster Viewing, Visit the Exhibition								
12:00-13:30		Lunch Satellite Symposium (12:30-13:30)	Lunch Satellite Symposium (12:30-13:30)	EANS Anatomy (12:40-13:20)	Intracranial Dural Fistulas (12:20-13:20)	Novel Techniques and Brain Gliomas (12:20-13:20)				
13:30-15:00		Epilepsy Surgery	Adult Low Grade Gliomas: Surgical Aspects	Spine Trauma	Pediatric Neurosurgery and Neuroimaging	Aneurysm Surgery I	Anterior Skull Base Meningiomas	New Therapies	Peripheral Nerves	
15:00-15:30	Coffee Break, Poster Viewing, Visit the Exhibition									
15:30-17:00		General Interest Radiosurgery	Adult Low Grade Gliomas: Clinical Management	Spinal Tumors	Pediatric Neurosurgery	Aneurysm Surgery II	Approaches I	New Technologies	EANS TC How I Do It	
17:05-18:05		Controversies in Epilepsy Surgery and Options in Radiosurgery	Interactive Session: Pediatric Hydrocephalus	Endovascular Treatment - Aneurysm - Solve a Case	Sellar Endo Versus Open Meningiomas	EANS Research Committee	IOM and Functional Neurosurgery	Approaches II		
20:00	Networking Dinner at Prague Castle									

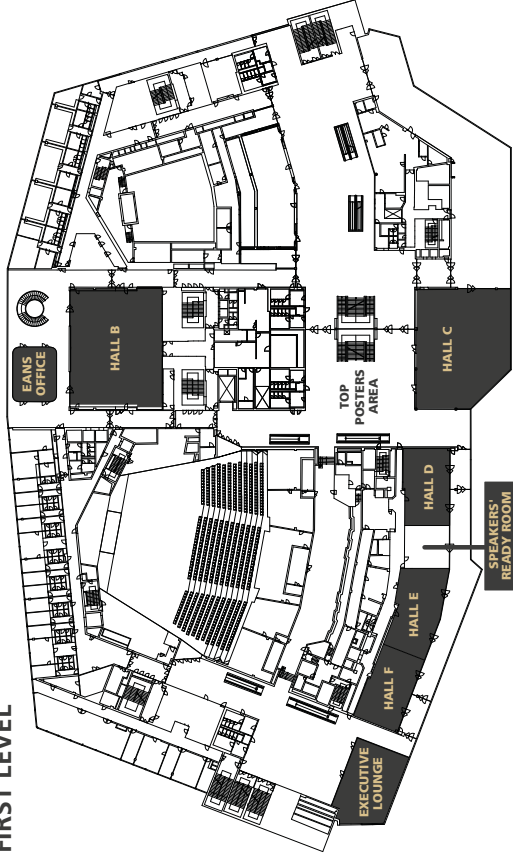
TUESDAY, OCTOBER 14, 2014											
07:00-08:20	HALL A	BS11- Neuroimaging in Disc Repair	BS12-Annulus/ Traumatic Brain Injury	BS13-Blast Traumatic Brain Injury	BS14-Complex Aneurysms	BS15-Cranio-pharyngiomas	BS16-Rare Cause of Stroke	BS17- Technological Advances	BS18- Petriol Meningiomas	BS10-Trigeminal Neuralgia & Hemifacial Spasm	HALL J
08:30-09:30	Plenary	Coffee Break, Poster Viewing, Visit the Exhibition									
09:30-09:50	AASNS	Coffee Break, Poster Viewing, Visit the Exhibition									
09:50-10:20	Plenary	Coffee Break, Poster Viewing, Visit the Exhibition									
10:20-10:50	AASNS	Coffee Break, Poster Viewing, Visit the Exhibition									
10:50-11:00	Plenary	Coffee Break, Poster Viewing, Visit the Exhibition									
11:00-11:20	CNS	Coffee Break, Poster Viewing, Visit the Exhibition									
11:20-12:00	Plenary	Coffee Break, Poster Viewing, Visit the Exhibition									
12:00-13:30		Lunch Satellite Symposium (12:30-13:30)	Lunch Satellite Symposium (12:30-13:30)	EANS Anatomy (12:40-13:20)	WFNS Spine Section (12:20-13:20)	ESMINT Session - What Can We Now Offer to a Neurosurgeon (12:20-13:20)	CV Meets Skull Base	Education	Pituitary Adenomas	Specialist Radiosurgery	
13:30-15:00		Meningioma and Surgical Management	Degenerative Cervical Spine Disease	Guidelines and Penetrating TBI	Cavernomas	Schwannomas	Surgical Aspects	RT	Pituitary Adenomas	Specialist Radiosurgery	
15:00-15:30	Coffee Break, Poster Viewing, Visit the Exhibition										
15:30-17:00		Meningiomas: A Multidisciplinary Disease	Degenerative Cervical Spine Disease	Improving the Use of the Glasgow Coma Scale and Score	Carotid Endarterectomy	Chordomas	Subarachnoid Hemorrhage	EANS TC How I Do It	Hydrocephalus - NPH	Neuropathic Pain	
17:05-18:05		Free Presentations	Free Presentations	Free Presentations	Free Presentations	Free Presentations					

VENUE MAP

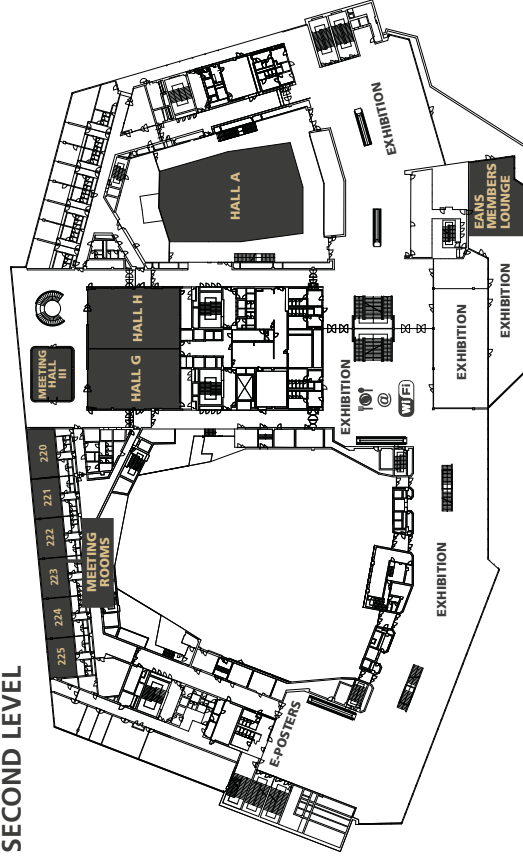
GROUND LEVEL



FIRST LEVEL



SECOND LEVEL



WELCOME LETTER

Dear Friends and Colleagues

The European Association of Neurosurgical Societies (EANS) was founded in Prague by 18 national societies, during the 4th European Congress of Neurosurgery in 1971. Since then, the Association has grown into a professional association of 40 national societies, representing some 6500 European neurosurgeons, plus more than 1200 individual members based both within Europe and beyond.

The motto of the 1971 congress was „Present Limits of Neurosurgery“; it's both amusing and amazing to consider that one of the worst attended sessions of the Congress was the one which focussed on the use of microscopes in surgical settings.

After 43 years, the congress is coming back to Prague, and we have decided to use the same motto. We hope to show the major changes that have taken place in neurosurgery in the intervening years, and to illustrate the present „unlimited“ limits of our fast developing, challenging and rewarding speciality. All aspects of neurosurgery will be covered in a variety of formats, including plenary sessions, breakfast seminars, afternoon sessions, How I do it videos, pro/con discussions and complication avoidance seminars. Material of the highest quality, dealing both with the science and the art of neurosurgery, is guaranteed not only by the involvement of the most prominent European clinicians and researchers, but also by the presence of our friends from EANS sister societies – CNS, FLANC and AASNS – who have kindly joined us for the congress.

Let me cordially invite you to the magical and unique, UNESCO World Heritage city of Prague, with all its history, arts, sights, restaurants, shopping and entertainment.

Vladimír Beneš
President, EANS



COMMITTEES

PRESIDENT OF THE CONGRESS

Vladimír Beneš

SCIENTIFIC ADVISORY COMMITTEE

David Netuka, *Co-chair*

Vladimír Beneš, *Co-chair*

Filip Kramář, *Co-chair*

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Nejat Akalan

Toomas Asser

Juan Barcia

Jannick Brennum

András Büki

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Zvi Ram

Svatopluk Řehák

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Petr Suchomel

Michal Tichý

Yong-Kwang Tu

Peter Vajkoczy

Johannes Van Loon

Miroslav Vaverka

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Professor Vladimír Beneš (Czech Republic), *President*

Professor Andre Grotenhuis (The Netherlands), *Secretary*

Dr Andras Buki (Hungary), *Treasurer*

Professor Nejat Akalan (Turkey), *Chair of the Training Committee*

Professor Toomas Asser (Estonia), *Vice President*

Professor Jannick Brennum (Denmark), *Vice President*

Professor Shlomi Constantini (Israel), *Vice President*

Professor Domenico d'Avella (Italy), *Vice President*

Mr Peter Hutchinson (UK), *Vice President*

Professor Johannes Schramm (Germany), *Past President*

Professor Nicolas de Tribolet (Switzerland), *Editor in Chief of Acta*

GENERAL INFORMATION

CONGRESS VENUE

Prague Convention Center
5. Kvetna 65
140 21 Praha 4
Czech Republic
Tel: +420 261 171 111
www.kcp.cz/en/homepage
Congress Main Entrance: 2-3

REGISTRATION

The Registration Desk will be open at the Congress Centre as follows:

Sunday, October 12	7:15 – 20:30
Monday, October 13	6:30 – 18:00
Tuesday, October 14	6:30 – 18:00
Wednesday, October 15	6:30 – 18:00
Thursday, October 16	6:30 – 18:00
Friday, October 17	7:00 – 13:00

PARTICIPANTS BADGE

Upon registration, you will receive your name badge. You are kindly requested to wear your badge during all Congress sessions and events.

INTERNET STATIONS

Free internet and email facilities will be available in the exhibition area during the exhibition opening hours only. Please be considerate of fellow participants when using these facilities.

WIFI

Free WIFI will be available at the Congress in public areas. Please be aware that public WIFI capacity is always limited and therefore limited to email and web browsing activity.

Network Name: EANS2014

Password: eans2014

REFRESHMENTS

Coffee and lunch will be served in the Exhibition Area at the times indicated in the Scientific Programme.

EXHIBITION OPENING TIMES

Sunday, October 12	18:30 – 20:30
Monday, October 13	09:30 – 16:30
Tuesday, October 14	09:30 – 16:30
Wednesday, October 15	09:30 – 16:30
Thursday, October 16	09:30 – 18:00

CONGRESS ABSTRACTS

All the Congress abstracts are available on the Scientific Mobile Website. The abstracts are also available for viewing at the internet stations in the Exhibition Area. Participants are welcome to view and print selected abstracts directly at these stations.

MEDIMOND JOURNAL

Abstracts that were submitted to the Medimond Journal will be available in electronic format (e-book) at the end of March 2015 through the Medimond website: www.medimond.com/proceedings/detail.asp?id=20141012.

E-POSTER STATIONS AND POSTER BOARDS

E-Poster Stations are located in the Exhibition Area and Top Poster Boards are located in the first floor foyer throughout the congress.

RECOGNITION, ACKNOWLEDGEMENTS AND INDUSTRY SUPPORT

In accordance with compliance regulations, Industry supporting the congress will be acknowledged separately from the Scientific Programme. Industry information will appear at the back of the book, under the section RECOGNITION, ACKNOWLEDGEMENTS AND INDUSTRY SUPPORT.

PHOTOGRAPHY AND RECORDING PRIVILEGES

No photographs, video recording or audio recording may be permitted in the scientific sessions at this Congress unless otherwise authorized by the Scientific Committee or the Congress President.

SAFETY AND SECURITY

Please do not leave any bags or suitcases unattended at any time, whether inside or outside session halls.

SMOKING POLICY

Participants are kindly requested to refrain from smoking in all session rooms, poster areas and exhibition.

EMERGENCY TELEPHONE NUMBERS

Fire department, Police and Ambulance services are available via telephone:

Firefighters: 150 or 112

Police: 158 or 112

Ambulance/Emergency: 155 or 112

GUEST ATTENDANCE POLICY

All event activities (including educational sessions, meal functions, exhibit hall, etc.) are exclusively reserved for registered attendees. Non-registered guests (including children, family members, colleagues, etc.) are not allowed in any of the event areas. Badges provided at registration are required for entrance into all functions and will be strictly enforced.

CONGRESS SECRETARIAT

1-3 Rue de Chantepoulet, PO Box 1726
CH-1211 Geneva 1

Switzerland

Tel: +41 22 908 0488

Fax: +41 22 732 2850

ABOUT EANS

The European Association of Neurosurgical Societies (EANS) is a fast-growing, independent association, both of European neurosurgical societies and of over 1,000 individual neurosurgeons all over the world.

Our aim is to enable our members to enhance the care they deliver to their patients by facilitating the exchange of scientific information at the highest level. In pursuit of this goal, we arrange a wide range of Congress, symposia and educational courses, including the **European Congress of Neurosurgery** and the highly regarded **European Training Courses in Neurosurgery**.

We recognise the huge part that e-learning now plays in the advancement of scientific knowledge, and are delighted to be able to provide a comprehensive online library of neurosurgical material via the EANS Academy. But we know too, that there is no substitute for "being there", and therefore offer a growing number of fellowship and observership programmes, both on our own account and in collaboration with selected partners.

For more information on the EANS, its activities and membership, please visit www.eans.org or come and see us in person at our booth, where we'll be delighted to tell you more about the organisation.



THE EUROPEAN ASSOCIATION
OF NEUROSURGICAL SOCIETIES

CME ACCREDITATION

COMMITMENT TO THE HIGHEST STANDARDS IN CME/CPD

Kenes is committed to being a valuable and knowledgeable partner in the design and delivery of educationally strong, independent, transparent, and effective CME/CPD programmes. Kenes is a proud member of the Good CME Practice Group (gCMEp), a member organisation contributing to improving health outcomes by:



- Championing best practice in CME/CPD
- Maintaining and improving standards
- Mentoring and educating
- Working in collaboration with critical stakeholders

Membership in the Good CME Practice Group illustrates the Kenes commitment to high standards and knowledgeable partnership with its clients in the design and delivery of educationally strong, independent, transparent, effective, and financially viable medical events.

EDUCATIONAL OBJECTIVES

After attending this event, participants should be able to:

- Address individual needs in compliance with their Continuous Professional Development (CPD) plan.
- Evaluate the most recent research findings in the field of neurosurgery
- Enhance the dialogue between Neurosurgeons and researchers as a means of further developing individual expertise
- Enhance programmatic collaborations to more effectively address regional, national and local responses to neurosurgery
- Discuss how to overcome barriers that limit access to prevention, care and services
- Evaluate the changes that have taken place in neurosurgery

TARGET AUDIENCE

EANS 2014 is the global Congress place for Physicians, Researchers, in the field of Neurosurgery and its sub-specialties. Because of the diverse, clinically focused educational offering, participants are able to tailor the curriculum to meet the needs of international clinicians of all levels of experience.

ACCREDITATION STATEMENT AND CREDIT DESIGNATION European Accreditation Council for Continuing Medical Education (UEMS/EACCME)

An application has been made to the European Accreditation Council for Continuing Medical Education (EACCME) for CME accreditation of this event. The EACCME is an institution of the European Union of Medical Specialists (UEMS): www.uems.net

The 15th European Congress of Neurosurgery (EANS 2014) is accredited by the European Accreditation Council for Continuing Medical Education (EACCME) to provide the following CME activity for medical specialists. The EACCME is an institution of the European Union of Medical Specialists (UEMS): www.uems.net

American Medical Association (AMA)

Through an agreement between the European Union of Medical Specialists and the American Medical Association, physicians may convert EACCME credits to an equivalent number of AMA PRA Category 1 Credits™. Information on the process to convert EACCME credit to AMA credit can be found at www.ama-assn.org/go/international/cme

Royal College of Physicians and Surgeons of Canada

Live educational activities, occurring outside of Canada, recognized by the UEMS-EACCME for ECMEC credits are deemed to be Accredited Group Learning Activities (Section 1) as defined by the Maintenance of Certification Programme of The Royal College of Physicians and Surgeons of Canada. For more information, visit: www.royalcollege.ca.

CREDIT BREAKDOWN

Each participant should claim only those hours of credit that he/she actually spent in the educational activity.

Credit breakdown will be available on the EANS Congress website.

DAY	MAXIMUM CREDITS
Monday, October 13, 2014	6
Tuesday, October 14, 2014	6
Wednesday, October 15, 2014	6
Thursday, October 16, 2014	6
Friday, October 17, 2014	3
Total Credits	27

TO RECEIVE YOUR CME/CPD CERTIFICATE

The CME/CPD certificate will be available after completing the online evaluation and credit claiming procedure. The process takes about 5 minutes. We thank you for your feedback as it is an important part of CME/CPD accreditation and helps improve future educational offerings.

Before November 10, 2014:

1. Access the online system via any of the following
 - Visit the following link: www.surveymonkey.com/Is/EANS2014Evaluation
 - Visit the CME/CPD Accreditation page on the event website
 - Follow the link in the email sent at the end of the event
2. Complete the anonymous online evaluation
3. Complete the credit claim form and submit
4. The CME/CPD certificate will be available for download; fill-in and retain for your personal records

DISCLOSURE AND RESOLUTION OF PERSONAL CONFLICTS OF INTEREST

In accordance with CME/CPD accreditation criteria and standards for commercial support to ensure balance, independence, objectivity, and scientific rigor, those in control of the educational content must disclose potential or actual conflicts of interest. Disclosure information is evaluated and conflicts of interest resolved. Disclosure is made to participants prior to the activity. Participants will be asked on the evaluation to assess the objectivity and independence of the event.

Disclosure information is available on the event website and also posted on the notice board in the registration area.

INDUSTRY SUPPORT DISCLOSURE

This event is supported, in part, by funding from industry. All support is managed in strict accordance with CME/CPD accreditation criteria and standards for commercial support. Appropriate acknowledgement of all supporting organisations is made in the programme guide, on the event website, and with signage during the event.

A list of all industry supporters is available in the Industry Support and Exhibition section at the back of the programme guide.

Detailed programmes for all Industry Sessions are available on page 68.

SCIENTIFIC MOBILE WEBSITE

We are delighted to offer Congress participants a great tool to help you get the most out of this Congress experience; the programme, the venue and of course each other!

The following is available:

SCIENTIFIC MOBILE WEBSITE

View the Scientific Programme on your personal device. The mobile website is designed for cross platform access via laptop, mobile devices such as Smartphones, iPhones, Androids etc. Access the mobile website via browser.

Participants will have full access to the Scientific Programme and the posters, including the abstracts. The mobile website has smart phone search possibilities within the scientific programme by session type, name or hall.



<http://eans.meetingxpert.net>

CARING FOR THE ENVIRONMENT

EANS GOES GREEN

As part of the campaign to preserve the environment, EANS is committed to organizing a green Congress. As part of our ongoing learning process to become greener, EANS 2014 is ensuring the following activities:

- The abstracts publications will be available online only
- The Congress programme book is printed on wood free paper
- The majority of posters will be electronic (e-posters)
- Participants are requested to place used registration badges in the recycle bin for badges at the end of the congress

INFORMATION FOR PRESENTERS AND CHAIRPERSONS

Please check the ONLINE PROGRAMME in case of last minute scheduling changes.

SPEAKER READY ROOM

Sunday, October 12	7:15 – 20:30
Monday, October 13	6:30 – 18:00
Tuesday, October 14	6:30 – 18:00
Wednesday, October 15	6:30 – 18:00
Thursday, October 16	6:30 – 18:00
Friday, October 17	7:00 – 13:00

ORAL PRESENTATIONS

Data presentation

If using a PowerPoint (or any other computer) presentation, please note you need to bring it on a CD, a DVD or on a “disk on key” Memory stick (using the USB port in the computer) and load it on one of the Congress’ computers in the Speakers’ Ready Room, at least 1 hour before the start of the session.

Please note that the Congress computers in the session halls are being supplied with Office 2010.

If combining video films with PowerPoint, please make sure to check it in the session hall where your lecture is taking place during a coffee or lunch break prior to your session, at least 30 minutes before the start of the session - **even after checking it in the Speaker Ready Room**.

Alternatively you may supply your own laptop computer. In such a case please confirm that it has a VGA socket for external signal and come to check it first in the Speakers’ Ready Room as soon as you arrive and later on in the session hall where your lecture is taking place during the coffee or lunch break prior to your session, at least 30 minutes before the start of the session.

Important note for Macintosh users

In order to use MAC presentations on a PC compatible computer please note that you need to prepare it according to the instructions below, before bringing it to the Speakers' Ready Room:

1. Use a common font, such as Arial, Times New Roman, Verdana etc. (special fonts might be changed to a default font on a PowerPoint based PC).
2. Insert pictures as JPG files (and not TIF, PNG or PICT - these images will not be visible on a PowerPoint based PC).
3. Use a common movie format, such as AVI and WMV (MOV files from QuickTime will not be visible on a PowerPoint based PC).

Alternatively you may use your own Macintosh laptop computer. In such a case please confirm you provide it with a **VGA adaptor** for external signal and come to check it first in the Speakers' Ready Room as soon as you arrive and later on in the session hall where your lecture is taking place during the coffee or lunch break prior to your session, at least 30 minutes before the start of the session.

Please note that VHS Video projection, 35 mm' slide projection and Overhead projection (projection of transparencies) will not be available.

PLEASE NOTE: IN COMPLIANCE WITH EACCMC REQUIREMENTS ALL SPEAKERS ARE REQUESTED TO INCLUDE A SLIDE DISCLOSURING CONFLICTS OF INTEREST AT THE BEGINNING OF THEIR PRESENTATION

INSTRUCTIONS FOR POSTER BOARD PRESENTERS

Please see the final programme book for the board number on which you should display your poster.

Posters to be mounted from Sunday, October 12 at 15:00 and are to be removed on Friday, October 17 by 12:30. The organizers cannot be responsible for posters not removed by the above stated time.

POSTER AREA

All poster boards will be situated in the First Floor Foyer.

NETWORKING EVENTS

OPENING CEREMONY AND WELCOME RECEPTION

**Sunday, October 12, 2014
Hall A & Exhibition Area, Congress Centre**

All registered participants are invited to attend the Opening Ceremony and Welcome Reception

Presenter: Lucie Výborná

- 18:00 Welcome from EANS President – **Vladimír Beneš**
- 18:05 Welcome from Minister of Health – **Svatopluk Němeček**
- 18:08 Welcome from Minister of Defence – **Martin Stropnický**
- 18:11 Welcome from Mayor of Prague – **Tomáš Hudeček**
- 18:14 Welcome from Rector of Charles University In Prague – **Tomáš Zima**
- 18:17 Welcome from Dean of the First Faculty of Medicine Charles University In Prague – **Aleksi Šedo**
- 18:20 Welcome from Director of Military University Hospital Prague – **Miroslav Zavoral**
- 18:23 Welcome from the President of Czech Neurosurgical Society – **Petr Suchomel**
- 18:26 Introduction to Rudolf Fahlbusch – **Madjid Samii**
- 18:31 Limits in Neurosurgery: EANS in Praha 1971 and 2014 – **Rudolf Fahlbusch**
- 19:00 Musical Performance by Čechomor (Czechomor)
- 19:40 Welcome Reception

SPECIAL LECTURE

Monday, October 13, 2014 at 12:20 – 13:20

Chair: Bernhard Meyer (Germany)

INTRODUCTION – **Bernhard Meyer** (Germany)
 REPAIR AND REGENERATION OF THE INJURED SPINAL CORD - FROM MOLECULE TO MAN – **Michael Fehlings** (Canada)

NETWORKING DINNER

Wednesday, October 15, 2014 at 20:00

Prague Castle. Address: Pražský hrad | 119 08 Praha 1

Entrance: Matthias Gate (Hradčanské square)

Tickets are available for purchase at the registration desk: €85. Tickets are limited!

Hosted at the majestic Castle of Prague, the Networking Dinner will take place at the historic seat of power of Kings of Bohemia, Holy Roman emperors, and Presidents of the country. Join colleagues for an evening of networking not to be missed!

Transportation will be provided from Congress Centre and back. Buses will depart from Entrance 10 (See page 12 and 13 for the Venue Map) at 19:30.

FAREWELL GET-TOGETHER

Thursday, October 16, 2014 at 21:00

The Museum of Public Transport

Address: Patočkova 460/4, 162 00 Praha 6 - Střešovice

Tickets are available for purchase at the registration desk: €20. Tickets are limited!

Come unwind on the last evening. EANS will take you to the Museum of Public Transport for an atmospheric evening together.

Traditional trams have been arranged to pick you up from **Palouček tram stop** (800m from PCC) for a 45 minutes panoramic tour to the Museum. Trams will depart at 20:00. Buses back to the Congress Centre will be provided.

14th Asian Australasian Congress of Neurological Surgeons

15 - 18 April 2015

International Convention Centre, Jeju Island, Korea

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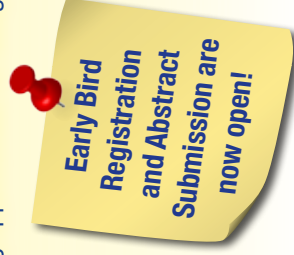


Hosted by **Asian Australian Society of Neurological Surgeons (AASNS)** and organised by AACNS 2015 Organizing Committee and Korean Neurosurgical Society (KNS), AACNS is one of region's prominent medical congresses dedicated to neurological surgery. AACNS is held once every four years and it serves as an excellent platform for medical professionals to share their medical knowledge and research, receive latest updates on medical developments and expand their network of industry contacts.

The four-day congress will feature an exciting line-up of expert speakers including top practitioners, opinion leaders and researchers. Delegates can look forward to an intensive knowledge-sharing event comprising plenary sessions, oral presentations and video screenings. There will be a host of networking opportunities for delegates to rub shoulders with top experts and opinion leaders.

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Exhibition hall at EANS (stand 23)

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The European Journal of Neurosurgery
Editor-in-Chief: Nicolas de Tribolet

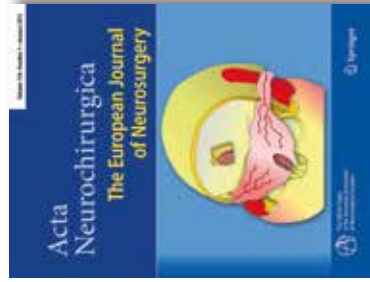
- ▶ Publishes papers dealing with clinical neurosurgery
- ▶ Coverage includes diagnosis and diagnostic techniques, operative surgery and results, and postoperative treatment
- ▶ Official journal of the European Association of Neurosurgical Societies (EANS)

The Journal "Acta Neurochirurgica" publishes papers dealing with clinical neurosurgery - diagnosis and diagnostic techniques, operative surgery and results, postoperative treatment - or with research work in neuroscience where underlying questions or results are of neurosurgical interest. As official organ of the European Association of Neurosurgical Societies the journal publishes all announcements of the E.A.N.S. and reports on the activities of its member societies.
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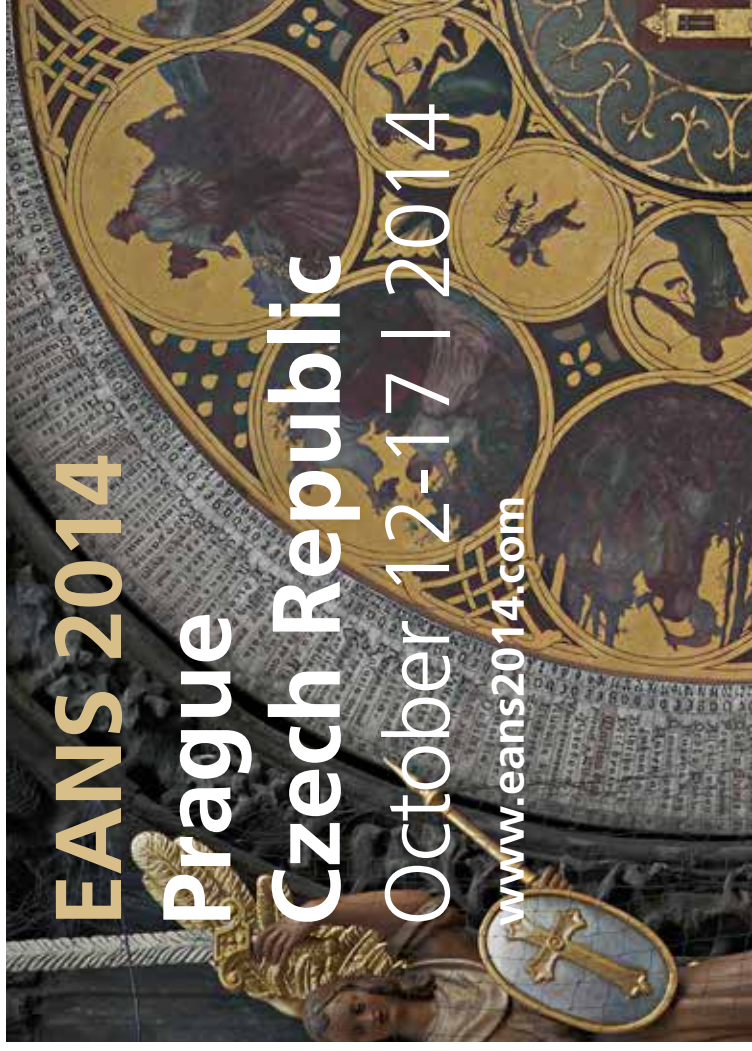


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October 12-17 | 2014

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SCIENTIFIC PROGRAMME
Sunday, October 12, 2014

PRESENTATION NO.

PRESENTATION NO.

SCIENTIFIC PROGRAMME SUNDAY, OCTOBER 12, 2014

8:15 - 17:30 Charles University Hospital

PRE-CONGRESS COURSE: ENDOSCOPIC ENDONASAL SKULL BASE SURGERY

TRANSPORTATION DEPARTS CORINTHIA HOTEL FOR ANATOMY INSTITUTE

8:15 ENDOSCOPIC ENDONASAL SINUS ANATOMY, APPROACHES AND RECONSTRUCTION 1

B. Lanisnik (Slovenia)

9:00 ENDOSCOPIC ENDONASAL APPROACH TO THE PITUITARY AND PARASELLAR REGION 2

P. Cappabianca (Italy)

9:45 ENDOSCOPIC ENDONASAL EXPANDED APPROACHES TO THE SUPRASELLAR SPACE 3

M. Bettag (Germany)

10:30 COFFEE BREAK

11:00 DISSECTION CADAVER LAB, ENDOSCOPIC ENDONASAL PITUITARY AND SUPRASELLAR APPROACHES

13:00 LUNCH AND LECTURE

13:00 ENDOSCOPIC ENDONASAL ANTERIOR CRANIOFACIAL AND CLIVAL RESECTION 4

P. Gardner (USA)

14:00 DISSECTION CADAVER LAB, ENDOSCOPIC ENDONASAL EXPANDED APPROACHES, ANTERIOR CRANIAL, CLIVAL, CAVERNOUS SINUS/MECKEL'S CAVE

16:15 TRANSCRANIAL APPROACHES: ADVANTAGES OVER AND COMPARISON WITH ENDONASAL 5

P.H. Roche (France)

17:00 TRANSPORTATION DEPARTS ANATOMY INSTITUTE FOR CORINTHIA HOTEL

8:15 - 17:30

Hall E

PRE-CONGRESS COURSE: 3D SURGICAL NEUROANATOMY

8:15 COURSE AGENDA AND FACULTY INTRODUCTION: 6

Chair: J. Fernandez-Miranda (USA)

PART 1. WHITE MATTER ANATOMY AND SURGERY

8:30 3D MICROSURGICAL ANATOMY OF WHITE MATTER TRACTS, MEDIAL TEMPORAL LOBE, VENTRICLES, AND THE USE OF HIGH-DEFINITION FIBER TRACTOGRAPHY FOR INTRINSIC LESIONS 7

J. Fernandez-Miranda (USA)

9:15 3D INTRINSIC TUMOR SURGERY 8

U. Ture (Turkey)

10:00 MEDIAL TEMPORAL LOBE AND INTRAVENTRICULAR SURGERY 9

E. de Oliveira (Brazil)

COFFEE BREAK

PART 2. CEREBROVASCULAR ANATOMY AND SURGERY

11:00 3D MICROSURGICAL ANATOMY OF THE BASAL CISTERNS AND SYLVIAN FISSURE 10

J. Fernandez-Miranda (USA)

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16:00	3D SURGERY OF THE CLIVAL REGION U. Ture (Turkey)	15
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9:45	BRAIN TUMORS W. Couldwell (USA)	23
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11:00	TRAUMA/ICU MANAGEMENT J.M. Ecklund (USA)	24
11:40	VASCULAR J. Morcos (USA)	25
12:20	PAIN / FUNCTIONAL N. Boullis (USA)	26
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13:45	PEDIATRICS J. Rutka (USA)	27
14:30	GROUP 1: SPINE (MEETING HALL III) A. Levi (USA) B. Meyer (Germany)	28 29

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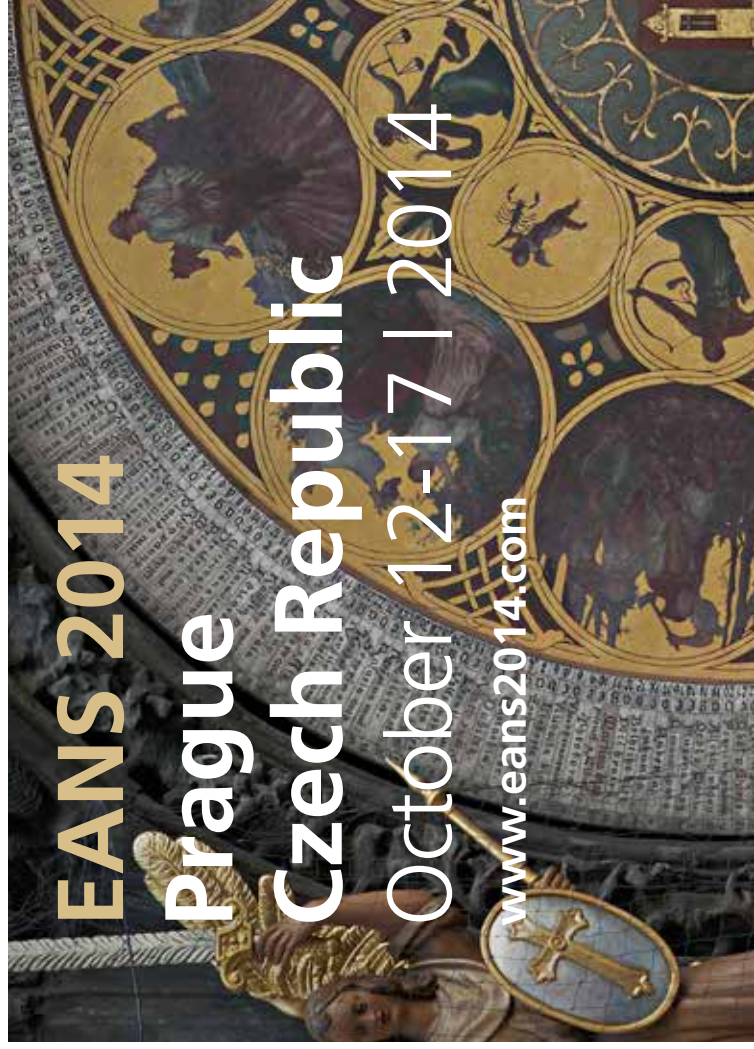
14:30	GROUP 2: PERIPHERAL NERVE (MEETING ROOM 220) K. Fugelholm (Denmark) R. Spinner (USA)	30 31	
14:30	GROUP 3: BRAIN TUMORS (MEETING ROOM 221) Z. Ram (Israel) W. Couldwell (USA)	32 33	
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SCIENTIFIC PROGRAMME
Monday, October 13, 2014

PRESENTATION NO.

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SCIENTIFIC PROGRAMME MONDAY, OCTOBER 13, 2014

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W.C. Peul (The Netherlands) 71

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W.C. Peul (The Netherlands)

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P. Pereira (Portugal)

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A. Demetriades (United Kingdom)

7:45 **LUMBAR DISCECTOMIES USING TUBULAR TECHNIQUES** 75

F. Ringel (Germany)

8:00 **MINIMALLY INVASIVE APPROACHES TO THE CERVICAL SPINE** 76

A. Levi (USA)

7:00 - 8:20 Hall D

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Chairs: Y. Kushel (Russia) 77

N. Akalan (Turkey) 78

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F. Boop (USA)

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N. Akalan (Turkey)

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P. Metellus (France) 65

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P. Metellus (France)

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J. Tonn (Germany)

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A. Kemeny (United Kingdom)

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K. Polyzoidis (Greece)

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	M. Seppala (Finland)
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	B. Bendok (USA)

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	M. Czabanka (Germany)

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	SPONSORED SATELLITE SYMPOSIUM	

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N. Boulis (USA)

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H.M. Mehdorn (Germany)

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F. Acar (Turkey)

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Chairs: B. Meyer (Germany)

H.J. Meisel (Germany)

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17:05 SAGITTAL BALANCE - YES

P. Suchomel (Czech Republic)

318

17:20 SAGITTAL BALANCE - NO

C. Thomé (Austria)

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G. Trost (USA)

320

17:50 SPINAL NAVIGATION - NO

J. Lafuente (Spain)

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W. Couldwell (USA)

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F. Tomaselto (Italy)

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T.H. Schwartz (USA)

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V. Seifert (Germany)

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V. Seifert (Germany)

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17:20 SELECTION CRITERIA FOR COILING OR CLIPPING FOR BRAIN ANEURYSM TREATMENT

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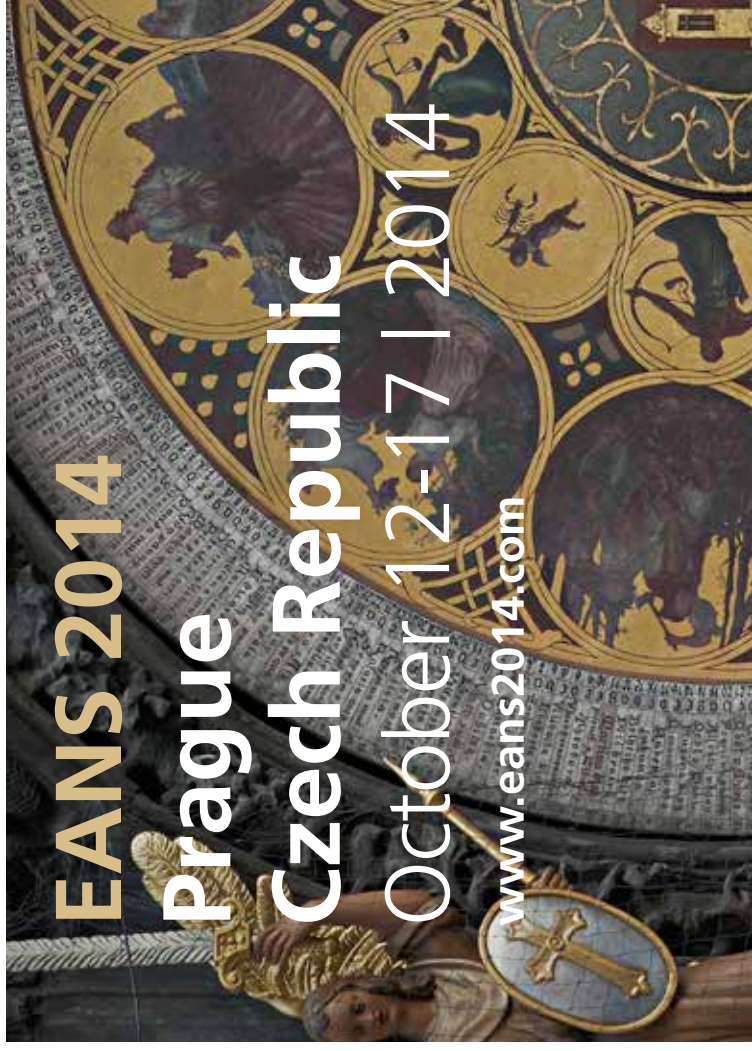
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E. Tessitore (Switzerland)

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Y. Hirano (Japan)

16:00 **CERVICAL MYELOPATHY**

N. Marklund (Sweden)

16:15 **SURGERY OF C1/2**

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16:30 **ATLANTOAXIAL ANTERIOR TRANSARTICULAR SCREW FIXATION: CASE SERIES AND REAPPRAISAL OF THE TECHNIQUE**

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A. Maas (Belgium)

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A. Maas (Belgium)

LACK OF STANDARDISATION IN ADMINISTERING THE GCS

15:45 P. Brennan (United Kingdom)

15:55 F. Reith (Belgium)

16:00 **INTER-RATER VARIABILITY AND HOW TO REDUCE THIS PROBLEM IN TBI TRAILS**

C. Matula (Austria)

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C. Loftus (USA)

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V. Priban (Czech Republic)

15:45 **CAROTID ENDARTERECTOMY**

S. Kuroda (Japan)

16:00 **CAROTID ARTERY STENOSIS**

Y. Zhao (China)

16:15 **CEA - ASYMPTOMATIC CAROTID STENOSES**

J. Fiedler (Czech Republic)

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O. Al-Mefty (USA)

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P. Gardner (USA)

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O. Al-Mefty (USA)

16:00 **CHORDOMAS: THE PRESENT STATE OF ART - AND THE FUTURE**

L.N. Sekhar (USA)

16:15 **THE MANAGEMENT OF CHORDOMAS: CURRENT STATE OF THE ART**

F. Gentili (Canada)

16:30 **INFRA TEMPORAL APPROACHES IN THE MANAGEMENT OF TUMORS OF THE POSTEROLATERAL SKULL BASE**

M. Chovanec, J. Skrivan, J. Betka, J. Plzak, E. Zverina, A. Vlasak, K. Vik, F. Charvat, R. Pádr, J. Lisy (Czech Republic)

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Chairs: M. Sindou (France)

L. Sagan (Poland)

J. Nguyen (France)

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NEUROPATHIC PAIN

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SCIENTIFIC PROGRAMME

WEDNESDAY, OCTOBER 15, 2014

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J. Jaaskelainen (Finland)		

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K. Turel (India)		
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BREAKFAST SEMINAR: ARTHROPLASTY		
Chairs: M. Mühlbauer (Austria) G. Matge (Luxembourg)		633 634
7:00	ARTHROPLASTY IN THE CERVICAL AND LUMBAR SPINE: RATIONAL AND FACTS - THE EUROPEAN EXPERIENCE	635
R. Bertagnoli (Germany)		

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7:15	POSTERIOR INTERLAMINAR PROSTHESIS FOR LUMBAR DDD G. Guizzardi (Italy)	636
7:30	CERVICAL ARTHROPLASTY. IS IT REALLY STATE OF THE ART? J. Lafuente (Spain)	637
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BREAKFAST SEMINAR: PEDIATRIC CONGENITAL ANOMALIES		
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7:15	CONTROVERSIES IN THE TREATMENT OF PEDIATRIC CV JUNCTION ANOMALIES G. Deepak (India)	642
7:30	CHIARI 1 MALFORMATION: SURGICAL OPTIONS AND RESULTS A. Sidi Said (Algeria)	643
7:45	CONGENITAL ANOMALIES OF THE CERVICAL SPINE: CLINICAL DYNAMICS AND SURGICAL TREATMENT L. Sagan (Poland)	644

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7:15	ANEURYSMS SURGERY - HOW I DO IT SAFELY? K. Kolejak (Slovakia)	648
7:30	SOME NEUROSURGEONS SHOULD STAY WITH MICROSURGERY, SOME SHOULD STAY WITH ENDOVASCULAR J. Morcos (USA)	649
7:45	ENDOVASCULAR AND MICROSURGICAL PROCEDURES AT A HIGH LEVEL. A HYBRID NEUROSURGEON'S PERSPECTIVE A. Andreou (Greece)	650
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BREAKFAST SEMINAR: PITUITARY ADENOMAS		
	Chairs: M. Marinov (Bulgaria) M. Hadani (Israel)	651 652
7:00	TRANSPHENOIDAL SURGERY (ESPECIALLY FOR ACROMEGALY) J. Van Loon (Belgium)	653
7:15	SURGICAL MANAGEMENT OF GH SECRETING PITUITARY TUMOR S. Ho Kim (Korea)	654

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7:30	SURGICAL RESULTS IN CUSHING DISEASE M. Hadani (Israel)	655	
7:45	TREATMENT OF RECURRENT CUSHING'S DISEASE A. Kaye (Australia)	656	
8:00	SURGERY OF PITUITARY ADENOMAS M. Marinov (Bulgaria)	657	
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BREAKFAST SEMINAR: CONTROVERSY - TREATMENT OF DURAL FISTULA			
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7:00	EVOLUTION OF ENDOVASCULAR TECHNOLOGIES FOR CRANIAL DAVFS A. Krivoshapkin (Russia)	660	
7:15	SURGICAL TREATMENT OF CRANIAL DAVFS V. Rohde (Germany)	661	
7:30	ENDOVASCULAR TREATMENT OF CRANIAL DAVFS A. Berenstein (USA)	662	
7:45	SURGICAL TREATMENT OF SPINAL DAVFS M. van Dijk (The Netherlands)	663	
8:00	ENDOVASCULAR TREATMENT OF SPINAL DAVFS G. Rodesch (France)	664	

7:00 - 8:20 Hall I			
BREAKFAST SEMINAR: SURGERY OF THE ORBIT			
	Chairs: J.P. Farias (Portugal) C. Matula (Austria)	665 666	
7:00	INTRODUCTION TO ORBITAL SURGERY; ANTERIOR, LATERAL AND INTRACRANIAL APPROACHES - AN OVERVIEW J.P. Farias (Portugal)	667	
7:15	ORBITAL INTRACONAL SURGERY; ENDOSCOPIC APPROACHES TO THE ORBIT (INCLUDING ENDONASAL) C. Matula (Austria)	670	
7:30	ORBITAL DECOMPRESSION AND RECONSTRUCTION C. Rosen (USA)	668	
7:45	SURGICAL TREATMENT OF ORBITAL TUMORS A.G. Carrizo (Argentina)	669	
8:00	CLOSING REMARKS C. Matula (Austria)		
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PLENARY SESSION			
	Chairs: B. Meyer (Germany) D. D'Avella (Italy)	671 672	
8:30	SURGICAL STRATEGIES IN THE MANAGEMENT OF GIANT AND COMPLEX INTRACRANIAL ANEURYSM Y. Tu (Taiwan)	673	
8:52	A STAGED SURGICAL TREATMENT ALGORITHM FOR SPINAL METASTASES B. Meyer (Germany)	674	

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9:14	NEUROSURGICAL RADIOSURGERY: CHALLENGING THE BOUNDARIES A. Kemeny (United Kingdom)	675
9:36	ADVANCES IN THE SURGERY AND SCIENCE OF BRAIN TUMOURS J. Rutka (USA)	676
10:00 - 10:30		
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10:30 - 12:00		
Hall A		
PLENARY SESSION		
	Chairs: P. Hutchinson (United Kingdom) J. Brennum (Denmark)	677 678
10:30	THE GCS AT 40' G. Teasdale (United Kingdom)	679
10:52	RESCUE THE INJURED BRAIN P. Hutchinson (United Kingdom)	680
11:14	THE ANATOMICAL AND SURGICAL CONSIDERATIONS FOR INSULAR GLIOMA SURGERY M. Berger (USA)	681
11:36	DBS FOR MOVEMENT DISORDERS J.K. Krauss (Germany)	682
12:00 - 13:30		
LUNCH BREAK, POSTER VIEWING, VISIT THE EXHIBITION		

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Hall E		
PARALLEL SESSION: INTRACRANIAL DURAL FISTULAS		
	Chairs: M. Niemela (Finland) M. Seppala (Finland)	683 684
12:20	INTRACRANIAL DURAL AV-FISTULAS: CHARACTERISTICS, TREATMENT AND LONG-TERM OUTCOME M. Niemela (Finland)	685
12:35	LINAC-BASED RADIOSURGERY OF DAVFS - CLINICAL EXPERIENCE M. Seppala (Finland)	686
12:50	ENDOVASCULAR TREATMENT OF INTRACRANIAL DURAL FISTULA C. Cognard (France)	687
12:20 - 13:20		
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PARALLEL SESSION: NOVEL TECHNIQUES AND PRINCIPLES IN BRAIN GLIOMAS		
	Chairs: U. Ture (Turkey) O. Bradac (Czech Republic)	688 689
12:20	RECOGNITION OF ANAPLASTIC FOCI WITHIN LOW GRADE GLIOMAS USING MR SPECTROSCOPY O. Bradac (Czech Republic)	690
12:35	VASCULAR MIMICRY PHENOMENON IN HUMAN HIGH GRADE GLIOMA: RELATION TO HYPOXIC STATE AND, CD133 AND GLTSCR2 EXPRESSION. IMMUNOHISTOCHEMISTRY STUDY M. Miscusi, L. Ricciardi, S. Trungu, S. Forcato, D. Ponti, D. Stamoni, A. Calogero, A. Raco (Italy)	691

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- 12:44 **NOVEL MULTISPECTRAL METHOD FOR SIMULTANEOUS COLOR AND FLUORESCENCE MICROSCOPY, AND INDICATIONS IN BRAIN TUMOR SURGERY**
P. Charalampaki, F. Weber (Germany) 692
- 12:53 **TRACTOGRAPHY FOR NEUROSURGEONS: AUTOMATING TRACT EXTRACTION AND RESOLVING THE CHALLENGES OF EDEMA**
L. Macyszyn, J. Lecoeur, E. Caruyer, B. Tunc, E. Larkin, F. Quattrone, D. O'Rourke, R. Wolf, S. Brem, R. Verma (USA) 693
- 13:02 **IMPLEMENTATION OF QUALITY OF LIFE MEASUREMENT ENHANCES SYMPTOM DETECTION AT INITIAL NEUROSURGICAL ONCOLOGY ASSESSMENT**
K. McMillan, J.E.C. Collins, T. Santarius, C. Watts, S.J. Price, A.J. Joannides (United Kingdom) 694

12:30 - 13:30**Hall B****SPONSORED SATELLITE SYMPOSIUM****12:30 - 13:30****Hall C****SPONSORED SATELLITE SYMPOSIUM****12:40 - 13:20****Hall D****PARALLEL SESSION: EANS ANATOMY SESSION**

Chair: C. Destrieux (France)

12:40 BLACKBOARD/CHALK TALK: ANATOMY OF THE ORBITAL APEX

S. Velut (France)

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13:30 - 15:00**Hall B****PARALLEL SESSION: EPILEPSY SURGERY**

Chairs: M. Scerrati (Italy) 697

C. Raftopoulos (Belgium)

698

13:30 **NEUROMODULATION IN THE TREATMENT OF REFRACTORY EPILEPSY: PERSPECTIVE AND LIMITS**

M. Scerrati (Italy)

699

13:45 **RADIATING MULTIPLE SUBPIAL TRANSECTIONS IN EPILEPSY SURGERY**

C. Raftopoulos (Belgium)

700

14:00 **THE CURRENT PLACE OF INVASIVE PREOPERATIVE EPILEPSY EVALUATION**

D. Van Roost (Germany)

701

14:15 **EPILEPSY SURGERY OF THE ROLANDIC AND IMMEDIATE PERIROLANDIC CORTEX: SURGICAL OUTCOME AND PROGNOSTIC FACTORS**

D. Delev, K. Send, J. Wagner, M. Von Lehe, J. Schramm, A. Grote (Germany)

702

14:24 **AMYGDALO-HIPPOCAMPOTOMY: LONG TERM (5 YEARS) EPILEPSY OUTCOME**

A. Gonçalves-Ferreira, A. Rainha-Campos, M. Herculano-Carvalho, C. Morgado, C. Bentes, R. Peralta, J. Pimentel, H.S.M. Epilepsy-Surgery-Group (Portugal)

703

14:33 **A WIRELESS CORTICAL PROSTHESIS FOR EPILEPSY AND BCI**

P. Romanelli (Italy)

704

14:42 **COULD INTRAOPERATIVE ELECTROCORTICOGRAPHY PRACTICALLY HELP IN PEDIATRIC EXCISIONAL EPILEPSY SURGERY?**

R. Lesko, P. Krsek, M. Kynci, J. Zamecnik, V. Komarek, M. Tichy (Czech Republic)

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13:30 - 15:00**Hall C****PARALLEL SESSION: ADULT LOW GRADE GLIOMAS: SURGICAL ASPECTS**

Chairs: H. Duffau (France) 706
 M.N. Pamir (Turkey) 707

13:30 **EXTENT OF RESECTION, PRESERVATION OF FUNCTION AND SURVIVAL** 708

Z. Ram (Israel)

13:45 **HOW TO DEAL WITH DIFFUSE LOW GRADE TUMORS** 709

H. Duffau (France)

14:00 **RESECTABILITY IN ADULT LGG: WHICH PREOP ASSESSEMENT TO GUIDE SURGICAL INDICATION?** 710

K. Drummond (Australia)

14:15 **THE MANAGEMENT OF INCIDENTALLY DISCOVERED LOW GRADE GLIOMAS AND THE UTILITY OF AGGRESSIVE SURGICAL RESECTION** 711

M. Berger (USA)

14:30 **INTRA OPERATIVE ELECTROCORTICOGRAPHIC MONITORING DURING AWAKE SURGERY FOR BRAIN TUMORS: A SINGLE INSTITUTION PROSPECTIVE STUDY IN LOW GRADE GLIOMA PATIENTS**

P. Metellus (France)

14:45 **TARGETABLE RTK & MAPK/PI3K PATHWAY MUTATIONS DRIVE THE MALIGNANT PHENOTYPE IN IDH-MUTANT GLIOMAS** 712

D. Cahill, S. Tanaka, W.T. Curry, F. Loebel, D. Zhao, K. Tateishi, T.T. Batchelor, A.J. Iafrate, A.S. Chi, H. Wakimoto (USA)

13:30 - 15:00**Hall D****PARALLEL SESSION: SPINE TRAUMA**

Chairs: B. Meyer (Germany) 714
 M. Fehlings (Canada) 715

13:30 **IRREDUCIBLE/ FIXED ATLANTOAXIAL DISLOCATION** 716

V.K. Jain (India)

13:45 **CURRENT CONCEPTS IN THE MANAGEMENT OF CENTRAL CORD INJURY** 717

M. Fehlings (Canada)

14:00 **EXPERIMENTAL SPINAL CORD INJURY** 718

A. Hejcl (Czech Republic)

14:15 **BIOMECHANICS OF THORACOLUMBAR STABILIZATION FOR TRAUMA** 719

A. Baaj (USA)

14:30 **CLINICAL AND SURGICAL PREDICTORS OF PERIOPERATIVE COMPLICATIONS IN PATIENTS WITH DEGENERATIVE CERVICAL MYELOPATHY: RESULTS FROM THE MULTICENTER, PROSPECTIVE AOSPINE INTERNATIONAL STUDY ON 479 PATIENTS**

N. Alshafaj, M. Fehlings, L. Tetrault, P. Arnold (Canada)

14:39 **REOPERATIONS AFTER MINIMALLY INVASIVE LUMBAR SPINE SURGERY BECAUSE OF RECURRENT DISC HERNIATION: PROSPECTIVE STUDY** 721

Y. Aydin, H. Cavusoglu, O. Kahyaoglu (Turkey)

14:48 **SURGICAL TREATMENT AND PERIOPERATIVE COMPLICATIONS IN PATIENTS WITH ANKYLOSING SPONDYLITIS SPINE FRACTURES** 722

E. Toeroek, J. Gempt, B. Meyer, Y.M. Ryang (Germany)

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13:30 - 15:00	Hall E	Hall F
PARALLEL SESSION: PEDIATRIC NEUROSURGERY AND NEUROIMAGING		
Chairs: W. Seow (Singapore) J. Rutka (USA)	723 724	732 733
13:30 WHEN TO STOP IN PEDIATRIC LG GLIOMAS J. Wissoff (USA)	725	734
13:45 DECISION MAKING IN PEDIATRIC CRANIOPHARYNGIOMA M. Mandra (Poland)	726	735
14:00 HOW TO MAINTAIN LOW MORBIDITY AND MORTALITY RATES IN SURGERY OF POSTERIOR FOSSA TUMORS IN CHILDREN: TRICKS AND TIPS J. Pereira (Portugal)	727	736
14:15 LONG-TERM SURVIVAL IN PATIENTS WITH PRIMARY INTRACRANIAL GERM CELL TUMORS TREATED WITH SURGERY, CARBOPLATIN BASED CHEMOTHERAPY FOLLOWED BY RADIOTHERAPY K. Motomura, A. Natsume, T. Wakabayashi (Japan)	728	737
14:24 THE USE OF MRI GUIDED LASER ABLATION IN THE TREATMENT OF PEDIATRIC INTRACRANIAL TUMORS: A NEW THERAPEUTIC OPTION Z. Tovar Spinoza, M. Riordan (USA)	729	738
14:33 HIGH-GRADE GLIOMAS IN CHILDREN - EXTENT OF TUMOR RESECTION IMPACTS THE PROGNOSIS IN SINGLE CENTER EXPERIENCE D. Sumerauer, M. Zapotocky, M. Churackova, B. Malinova, J. Zamecnik, M. Kyncl, M. Holub, M. Tichy, J. Stary (Czech Republic)	730	739
14:42 DTI FIBERTRACKING USING TMS POSITIVE LANGUAGE AREAS AS SEED REGIONS: A FEASIBILITY STUDY C. Negwer, S. Ille, N. Sollmann, T. Hauck, S. Maurer, T. Obermueller, B. Meyer, F. Ringel, S.M. Krieg (Germany)	731	740

13:30 - 15:00

PARALLEL SESSION: ANEURYSM SURGERY I

Chairs: Y. Tu (Taiwan) L.N. Sekhar (USA)	732 733	732 733
13:30 NEUROCRITICAL CARE AFTER SAH M. Smrcka (Czech Republic)	734	734
13:45 ANEURYSMS OF DISTAL SEGMENT OF ANTERIOR CEREBRAL ARTERY: PITFALLS P.H. Aguiar (Brazil)	735	735
14:00 SURGERY OF MULTIPLE INTRACRANIAL ANEURYSM I.S. Florian (Romania)	736	736
14:15 BLISTER ANEURYSMS T. Meling (Norway)	737	737
14:30 BASILAR TIP ANEURYSMS - MICROSURGERY, OR ENDOVASCULAR SURGERY? L.N. Sekhar (USA)	738	738
14:45 STEPWISE TREATMENT OF MULTIPLE CEREBRAL ANEURYSMS UTILIZING SURGICAL AND ENDOVASCULAR TECHNIQUES A.S. Kheireddin, S.B. Yakovlev, Y.M. Filatov, S.H. Eliava, O.B. Belousova, I.A. Sazonov, S.R. Arustomyan, A.N. Kaftanov, K.G. Mikeladze (Russia)	739	739
14:54 TRIGEMINAL NEURALGIA DUE TO ARTERIALIZATION OF THE SUPERIOR PETROSAL VEIN IN THE CONTEXT OF DURAL OR CEREBRAL ARTERIOVENOUS SHUNT T. Robert, R. Blanc, G. Ciccio, H. Redjem, S. Pistocchi, B. Bartolini, M. Pletin (France)	740	740

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13:30 - 15:00**Hall G****PARALLEL SESSION: ANTERIOR SKULL BASE MENINGIOMAS**

Chairs: R. Delfini (Italy) 741
 L.N. Sekhar (USA) 742

13:30 **PLANUM SPHENOIDALE MENINGIOMAS: MICROSURGERY OR ENDOSCOPIC SURGERY? A NEW CLASSIFICATION SYSTEM** 743

L.N. Sekhar (USA)

13:45 **FRONTO-BASAL MIDLINE MENINGIOMAS: IS IT RIGHT TO SHED DOUBT ON THE TRANSCRANIAL APPROACH?** 744

R. Delfini (Italy)

14:00 **NO RETRACTION SURGERY IN ANTERIOR SKULL BASE MENINGIOMAS** 745

M. Ammirati (USA)

14:15 **ANTERIOR SKULL BASE MIDLINE MENINGIOMAS** 746

V. Benes (Czech Republic)

14:30 **PARASAGITTAL MENINGIOMAS**

K. Turel (India)

14:45 **PREOPERATIVE ANALYSIS BY DIFFUSION TENSOR IMAGING OF THE PYRAMIDAL TRACT, ARCULATE FASCICULUS AND VISUAL PATHWAYS** 747

P. Finet, J.P. Nzanzu-Mafikiri, A. Hanson, C. Raftopoulos (Belgium)

13:30 - 15:00**Hall H****PARALLEL SESSION: NEW THERAPIES**

Chairs: F. Umansky (Israel) 749
 C. Liu (USA) 750

13:30 **NEW TECHNIQUES IN SPINE - INNOVATION OR BURDEN?** 751

J. Timothy (United Kingdom)

13:45 **GENE THERAPY** 752

N. Boullis (USA)

14:00 **FUTURE OF NEUROSURGERY - IS IT PREDICTABLE?** 753

F. Umansky (Israel)

14:15 **NEUROMODULATION FOR THE TREATMENT OF MEDICALLY INTRACTABLE EPILEPSY** 754

C. Liu (USA)

14:24 **HYBRID SURGERY FOR CEREBROVASCULAR DISORDERS: 4-YEAR EXPERIENCE OF NEUROSURGICAL HYBRID OPERATING ROOM IN TAICHUNG VETERANS GENERAL HOSPITAL** 755

T. Yuang-Seng (Taiwan)

14:33 **INTRATHECAL BACLOFEN THERAPY FOR SEVERE SPASTICITY: ANALYSIS OF A SERIES OF 168 CONSECUTIVE PATIENTS. PATIENT SELECTION, INDICATIONS, OUTCOME AND COMPLICATIONS** 756

G. Georgoulis, A. Brinzeu, E. Simon, G. Polo, A. Afif, C. Dumot, M. Sindou, P. Mertens (France)

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13:30 - 15:00**Hall I****PARALLEL SESSION: PERIPHERAL NERVES**

Chairs: P. Haninec (Czech Republic) 757
 P.D. Adelson (USA) 758

13:30 **OBSTETRICAL BRACHIAL PLEXUS REPAIR: LONG TERM RESULTS** 759

P. Haninec (Czech Republic)

13:45 **BRACHIAL PLEXUS INJURY IN NEWBORN** 760
 P.D. Adelson (USA)

14:00 **ENTRAPMENT SYNDROMES** 761
 E. Zager N (USA)

14:15 **PERIPHERAL NERVE SURGERY - VIEW THROUGH THE MULTIDISCIPLINARY APPROACH WINDOW** 762
 L. Rasulic (Serbia)

14:30 **PERIPHERAL NERVE SURGERY - TODAY AND TOMORROW** 763
 A. Radek (Poland)

14:45 **SURGERY OF LUMBOSACRAL SCHWANNOMAS: NEUROMONITORING AND CLINICAL PERSPECTIVE. FIVE YEARS OF EXPERIENCE IN A SINGLE CENTER** 764
 M. Vukic, V. Peterkovic, J. Nemir, I. Kijucar (Croatia)

14:54 **BRACHIAL PLEXUS SURGERY - PRESENT LIMITS AND PERSPECTIVES** 765
 L. Rasulic, M. Samardzic, V. Bascarevic, A. Savic, B. Zivkovic (Serbia)

15:00 - 15:30**COFFEE BREAK, POSTER VIEWING, VISIT THE EXHIBITION****15:30 - 17:00****Hall B****PARALLEL SESSION: GENERAL INTEREST RADIOSURGERY**

Chairs: A. Kemeny (United Kingdom) 766
 J.M. Regis (France) 767

15:30 **CONCERNS OF MALIGNANT CONVERSION AFTER RADIOSURGERY - ARE THEY JUSTIFIED?** 768
 J. Rowe (United Kingdom)

15:45 **RADIOSURGERY IN THE TREATMENT OF BRAIN METASTASES: WHY THE PARADIGMS ARE CHANGING** 769
 B. Lippitz (United Kingdom)

16:00 **SHOULD WE USE RADIOSURGERY TO INCIDENTAL MENINGIOMAS?** 770
 M. Enrico (Italy)

16:15 **CAVERNOMAS OF THE BRAINSTEM AND THALAMUS: WHAT CAN RADIOSURGERY OFFER?** 771
 G. Nagy-Grocz (Hungary)

16:30 **CLINICAL APPLICATION OF COMPUTER-ASSISTED PLANNING IN STEREO EEG TO IMPROVE SAFETY AND EFFICACY** 772
 M. Nowell, G. Zombori, R. Rodionov, R. Sparks, B. Diehl, T. Wehner, A. Miserocchi, A. McEvoy, S. Ourselin, J. Duncan (United Kingdom)

16:39 **EXPRESSION OF THROMBOTIC MOLECULES AFTER RADIOSURGERY IN AN ANIMAL MODEL OF ARTERIOVENOUS MALFORMATION** 773
 S. Kashba, M. Stoodley, X.I.N. Song, N. Patel (Australia)

16:48 **MULTICENTRIC ANALYSIS OF ADJUVANT THERAPY FOR GBM IN ELDERLY: AN ISSUE TO BE AWARE OF** 774
 F. Nicolosi, P.P. Panciani, M. Buglione, S. Magrini, S. Pedretti, D. Garbossa, A. Agnoletti, G. Spena, M.M. Fontanella (Italy)

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15:30 - 17:00**Hall C****PARALLEL SESSION: ADULT LOW GRADE GLIOMAS: CLINICAL MANAGEMENT**

Chairs: K. Drummond (Australia) 775
 M. Rotta (Brazil) 776

15:30 OPTIMIZING GLIOMA RESECTION

L.C. de Alencastro (Brazil) 777

15:45 THE APPEARANCE OF TUMEFACTIVE DEMYELINATING DISEASE - HOW TO TELL THE SHEEP FROM THE WOLVES?

B.J. Erickson (USA) 778

16:00 SURGICAL MANAGEMENT IN A MODERN SERIES OF LOW-GRADE GLIOMAS: EXTENT OF RESECTION, COMPLICATIONS, AND SURVIVAL

J.N. Orina, F.B. Meyer, I.F. Parney (USA) 780

16:09 IDH1 MUTATION AND SEIZURES IN LOW GRADE GLIOMA

781

A. Morokoff, S. Liubinas, G. D'Abaco, B. Moffat, M. Gonzales,
 F. Feleppa, C. Nowell, A. Gorelik, K. Drummond, T. O'Brien,
 A. Kaye (Australia)

16:18 5-ALA INTRAOPERATIVE FLUORESCENCE IN LOW-GRADE GLIOMAS

782

S. Goryaynov, V. Zhukov, A. Potapov, A. Chumakova,
 V. Ohlopkov, A. Gavrilov, L. Shishkina, M. Ryzhova,
 T. Saveleva (Russia)

16:27 BENEFITS AND PITFALLS OF THE USE OF NAVIGATED INTRAOPERATIVE 3D-ULTRASOUND DURING AWAKE RESECTIONS OF BRAIN GLIOMAS IN ELOQUENT LOCATIONS

783

A. Steno, M. Kuniak, V. Holly, P. Mendel, V. Belan, M. Fabian,
 G. Timarova, V. Petrickova, J. Surkala, J. Steno (Slovakia)

15:30 - 17:00**Hall D****PARALLEL SESSION: SPINAL TUMOURS**

Chairs: J. Lafuente (Spain) 784
 V. Sonntag (USA) 785

15:30 SPINAL CORD TUMOURS

V. Benes Jr. (Czech Republic) 786

15:45 SPINAL METASTATIC DISEASE

S. Rehak (Czech Republic) 787

16:00 SURGERY OF SPINAL CORD CAVERNOUS MALFORMATIONS

788

R. Burgos de la Espriella (Colombia)

16:15 INTRAMEDULLARY TUMOR'S SURGERIES

Y. Kushei (Russia) 789

16:30 SPINAL EPENDYMOMA IN ADULTS: A MULTICENTER RETROSPECTIVE STUDY

790

M. Wostrack, F. Ringel, M. Jaegersberg, K. Schaller,
 J. Kerschbaumer, C. Thome, S. Eicker, P. Vajkoczy, J. Onken,
 B. Meyer (Germany)

16:39 ENDOTHELIAL EPHRINB2 MEDIATES SPINAL METASTASIS FORMATION

791

M. Czabanka, T. Broggini, C.J. Hoffmann, C. Harms,
 P. Vajkoczy (Germany)

16:48 A NEW SURGICAL TECHNIQUE FOR TOTAL SPONDYLECTOMY IN VERTEBRAL TUMORS

792

T. Kerimbayev, V. Aleinikov, B. Yerezhepekov, Y. Urunbayev,
 Y. Kissayev (Kazakhstan)

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15:30 - 17:00 **Hall E****15:30 - 17:00** **Hall F****PARALLEL SESSION: PEDIATRIC NEUROSURGERY****PARALLEL SESSION: ANEURYSM SURGERY II**

Chairs: V. Ciurea (Romania)
M. Tichy (Czech Republic)

Chairs: A. Pasqualin (Italy)
M. Barbosa (Portugal)

15:30 **COMPREHENSIVE MANAGEMENT OF HYPOTHALAMIC HAMARTOMAS**

H. Rekate (USA)

793
794
795

15:30 **WHY AND WHEN SHOULD WE OPERATE ANEURYSMS**

M. Barbosa (Portugal)

802
803
804

15:45 **HOW FAR WE CAN GO IN EPILEPSY SURGERY RESECTIONS IN CHILDREN**

M. Tichy (Czech Republic)

796

15:45 **DIRECT SURGERY OF UNRUPTURED MIDDLE CEREBRAL ANEURYSMS**

A. Pasqualin (Italy)

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16:00 **PEDIATRIC MOYA MOYA DISEASE: WHEN AND HOW**

P. Dirks (Canada)

797

16:00 **ADENOSINE FOR CARDIAC ARREST FOR ANEURYSMS**

T. Meling (Norway)

806

16:15 **MICROSURGICAL MANAGEMENT OF OPTIC PATHWAY AND HYPOTHALAMIC GLIOMAS (OPHG) IN PEDIATRIC PATIENTS**

R. Mahmoodi, H. Bertalanffy (Germany)

798

16:15 **SURGERY OF ANEURYSMS AFTER ENDOVASCULAR TREATMENT**

E. Spagnuolo (Argentina)

807

16:24 **POSTERIOR CIRCULATION INVOLVEMENT IN PEDIATRIC MOYAMOYA**

I. Csók, G. Baltsavias, N. Khan (Switzerland)

799

16:30 **COST-EFFECTIVENESS OF CLIPPING VS COILING OF INTRACRANIAL ANEURYSMS MAY INFLUENCE DECISION MAKING IN A DEVELOPING COUNTRY**

A. El Ouahabi (Morocco)

808

16:33 **SURGERY FOR MESIAL TEMPORAL LOBE EPILEPSY DUE TO HIPOCAMPAL SCLEROSIS: FOUR YEARS EXPERIENCE FROM EPILEPSY CENTER ZAGREB, CROATIA**

T. Sajko, K. Rotim, H. Hecimovic (Croatia)

800

16:39 **SURGICAL TREATMENT OF VA-PICA COMPLEX PATHOLOGY THROUGH FAR LATERAL APPROACH: SIZE OF CRANIOTOMY AND SURGICAL ANGLE**

J. Ribas, S. Kalb, P. Nakaji, R.F. Spetzler (Spain)

809

16:42 **EPILEPTIC SEIZURES AFTER MICROSURGERY FOR CEREBRAL ARTERIOVENOUS MALFORMATIONS**

K. Dizdarevic, E. Suljagic (Bosnia and Herzegovina)

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16:48 **CURRENT ROLE OF FLOW DIVERSION IN THE TREATMENT OF INTRACRANIAL ANEURYSMS**

S.F. Morales-Valero, H.J. Cloft, D.F. Kallmes, G. Lanzino (USA)

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 U. Ture (Turkey) 812

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 A. Morina (Kosovo)

15:45 **THE SUBFRONTAL INTERHEMISPHERIC APPROACH TO THE PARASELLAR REGION AND IIIRD VENTRICLE** 814
 M.A. Arraez (Spain)

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 U. Ture (Turkey)

16:15 **COLLOID CYST SURGERY BASED ON PERSONAL EXPERIENCE - 386 CASES** 816
 A. Kononov (Russia)

16:30 **INTRAVENTRICULAR TUMORS: CURRENT MANAGEMENT STRATEGIES** 817
 E. Kasper (USA)

16:45 **FRONTOLATERAL APPROACH COMBINED WITH ENDOSCOPIC ENDONASAL EXTRADURAL POSTERIORCLINOIDECTOMY TO THE UPPER CLIVAL REGION: ANATOMICAL AND MORPHOMETRIC STUDY** 818
 M.G. De Notaris, G. Di Nuzzo, V. Seneca, A. Prats-Galino, G. Catapano (Italy)

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 M.N. Pamir (Turkey) 820

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 G. Schackert (Germany)

15:45 **IMPACT OF IMRI ON GLIOMA SURGERY** 822
 F. Kramár (Czech Republic)

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 C. Nimsky (Germany)

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M. Lehecka (Finland)

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V. Benes (Czech Republic) 830

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W.C. Peul (The Netherlands)

16:06 **MYELOMENINGOCELE** 832
M. Juhler (Denmark)

16:18 **SPINAL LIPOMA** 833
N. Akalan (Turkey)

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L. Regli (Switzerland)

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D. Van Roost (Germany)

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M. Mandera (Poland)

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M. Mandera (Poland)

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R. Keating (USA)

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INTERACTIVE SESSION: APPROACHES II

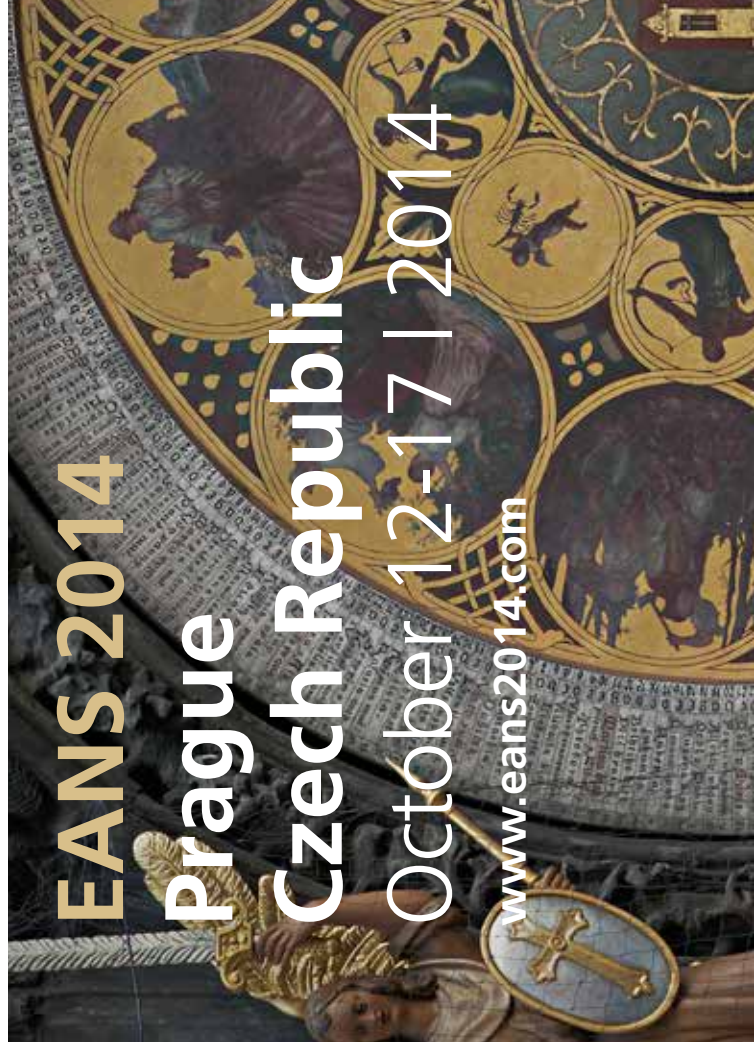
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17:35	FORAMEN MAGNUM MENINGIOMA- TO DRILL OR NOT TO DRILL OCCIPITAL CONDYLE? J.C. Lynch de Araujo (Brazil)	876
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17:50	LONG-TERM SURGICAL RESULTS IN CRANIOPHARYNGIOMAS A. El Khamlichi (Morocco)	877
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SCIENTIFIC PROGRAMME

Thursday, October 16, 2014

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SCIENTIFIC PROGRAMME

THURSDAY, OCTOBER 16, 2014

7:00 - 8:20		Hall B
BREAKFAST SEMINAR: BI-MANUAL VASCULAR SURGEONS AND HOW TO BECOME ONE		
Chairs: A. Andreou (Greece) R.E. Harbaugh (USA)		
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T. Dóczy (Hungary)		
7:15	BI-MANUAL SKILLS IN THE MICROSURGICAL AND ENDOVASCULAR MANAGEMENT OF CEREBROVASCULAR DISEASES	881
A. Gruber (Austria)		
7:30	TRAINING RESIDENTS IN BI-MANUAL NEUROSURGERY	882
R.E. Harbaugh (USA)		
7:45	BI-MANUAL SKILLS ACQUISITION AND THEIR IMPACT ON DECISION MAKING PROCESS	883
A. Andreou (Greece)		
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I. Maldonado (Brazil)		

7:00 - 8:20		Hall C
BREAKFAST SEMINAR: VENTRICULAR TUMORS		
Chairs: Z. Ram (Israel) J. Roth (Israel)		
7:00	APPROACHES TO LARGE VENTRICULAR TUMORS IN THE TRIGONAL AREA: DOMINANT VS NON-DOMINANT HEMISPHERE	885
U. Ture (Turkey)		
7:15	RESECTIVE STRATEGIES: SURGICAL APPROACHES TO MIDLINE LESIONS	888
R. Kirolos (United Kingdom)		
7:30	EPIDEMIOLOGY, BIOLOGY AND PROGNOSIS OF INTRINSIC VENTRICULAR TUMORS	889
N.O. Schmidt (Germany)		
7:45	ENDOSCOPIC OPTIONS AND MANAGEMENT OF OCCCLUSIVE HYDROCEPHALUS	890
S. Goutagny (France)		
8:00	NEUROCOGNITIVE AND ENDOCRINE SEQUELAE OF VENTRICULAR TUMORS	891
J. Roth (Israel)		

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7:00 - 8:20 **Hall D****BREAKFAST SEMINAR: ADJACENT DISC DISEASE**

Chairs: J. Lafuente (Spain) 892
 M. Spyrou (Cyprus) 893

7:00 **ADJACENT SEGMENT DEGENERATION: TRUE OR FICTION?** 894
 J. Lafuente (Spain)

7:15 **SPINAL CANAL STENOSIS. DIFFERENTIAL DIAGNOSIS AND APPROPRIATE TREATMENT** 895
 M. Spyrou (Cyprus)

7:30 **PROBLEMS OF LONG FIXATIONS IN LUMBAR SPINE** 896
 M. Zileli (Turkey)

7:45 **POSTERIOR MOTION PRESERVATION OF THE LUMBAR SPINE** 897
 G. Guizzardi (Italy)

8:00 **COMPLICATIONS OF COMPLEX SPINE SURGERY** 898
 C. Thomé (Austria)

7:00 - 8:20 **Hall E****BREAKFAST SEMINAR: MULTIMODALITY MONITORING OF PHYSIOLOGICAL AND BLOOD PARAMETERS IN SEVERE TBI**

Chairs: A. Büki (Hungary) 899
 N. Marklund (Sweden) 900

7:00 **MONITORING OF INTRACRANIAL PRESSURE: USEFUL OR USELESS?**

F. Servadei (Italy)

7:15 **MULTIMODAL MONITORING - ICU** 901
 A. Hejcl (Czech Republic)

7:30 **BIOMARKERS IN TBI: FAILURES AND ACHIEVEMENTS** 902
 A. Büki (Hungary)

7:45 **MONITORING OF BETA-AMYLOID AND TAU IN SEVERE TBI - A LINK TO NEURODEGENERATION** 903
 N. Marklund (Sweden)

7:00 - 8:20 **Hall F****BREAKFAST SEMINAR: INTRINSIC BRAIN STEM TUMORS**

Chairs: J. Grill (France) 904
 F. Kreth (Germany) 905

7:00 **THE CHANGING ROLE OF BIOPSY WITH MOLECULAR DIAGNOSIS: WHICH SAFE STRATEGY?** 906
 F. Kreth (Germany)

7:15 **THE VALUE OF MICROSURGERY IN BRAINSTEM GLIOMA SURGERY** 907
 H. Bertalanffy (Germany)

7:30 **BRAIN STEM GLIOMA AS INTERDISCIPLINARY CHALLENGE: RADIATION PARADIGMS AND CHEMOTHERAPY** 908
 J. Grill (France)

7:45 **SURGICAL APPROACHES TO THE MIDBRAIN TUMOURS** 909
 U. Türe (Turkey)

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7:00 - 8:20 Hall G**BREAKFAST SEMINAR: DURAL REPAIR AFTER ENDOSCOPIC TECHNIQUES**

Chairs: J. Pereira (Portugal)

D. Netuka (Czech Republic)

7:00 NEUROENDOSCOPY, INTRAVENTRICULAR (MORE THAN 300 PROCEDURES) AND PITUITARY TRANSEPHENOIDAL

J. Pereira (Portugal)

7:15 CSF LEAK REPAIR

D. Netuka (Czech Republic)

7:30 INTRAOPERATIVE 3D ENDOSCOPIC TECHNIQUES FOR DURAL REPAIR IN EXTENDED APPROACHES

F. Zenga (Italy)

7:45 ENDONASAL LOCALIZATION OF CEREBROSPINAL FLUID LEAKAGE USING INTRATHECAL NA-FLUORESCHEIN ADMINISTRATION AND ENDOSCOPIC BLUE FILTER SYSTEM

P. Vacek, V. Hrabec, J. Mracek, O. Sebera, V. Pribán (Czech Republic)

7:00 - 8:20 Hall H**BREAKFAST SEMINAR: DELAYED CEREBRAL INJURY AFTER SAH**

Chairs: R. Kirolos (United Kingdom)

H. Vatter (Germany)

7:00 CEREBRAL VASOSPASM: THE ONGOING DILEMMA

K. Bulsara (USA)

Hall G

910

911

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914

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Hall H

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7:15

SUBARACHNOID HEMORRHAGE AND ANEURYSM TREATMENT

H. Vatter (Germany)

919

7:30

CORTICAL SPREADING DEPOLARIZATION - A NEW MECHANISM FOR DELAYED CEREBRAL ISCHEMIA

J. Woitzik (Germany)

920

7:45

VASOSPASM: ONGOING ENIGMA

R. Kirolos (United Kingdom)

921

8:00

NEUROSURGICAL MANAGEMENT OF ANEURYSMS PRESENTING WITH MASS EFFECT

J. de Oliveira (Brazil)

7:00 - 8:20 Hall I**BREAKFAST SEMINAR: ENDOSCOPY AROUND SELLA**

Chairs: R. Gerlach (Germany)

F. Gentili (Canada)

922

923

7:00

THE ROLE OF THE ENDOSCOPIC APPROACH IN CRANIOPHARYNGIOMAS

F. Gentili (Canada)

924

7:15

COMPARISON OF 2D AND 3D ENDOSCOPY FOR SURGICAL TX OF PERISELLAR PATHOLOGIES

R. Gerlach (Germany)

925

7:30

ENDOSCOPIC APPROACH TO THE ORBIT

R. Lipina (Czech Republic)

926

7:45

IS THERE ANY PLACE FOR IMRI IN NON-PITUITARY SELLAR AND PERISELLAR LESIONS?

D. Netuka (Czech Republic)

927

8:00

SURGERY OF VERY LARGE AND GIANT PITUITARY ADENOMAS

A.R. Dehdashti (USA)

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	J. Hernesniemi (Finland)	930
8:30	LONG-TERM CONSEQUENCES OF ANEURYSMAL SUBARACHNOID HEMORRHAGE	931
	T. Asser (Estonia)	
8:52	ROYAL "HIGHNESS" THE SCREW IN C 2 VERTEBRA	932
	P. Suchoamel (Czech Republic)	
9:14	CURRENT CONCEPTS IN CHILDHOOD CRANIOPHARYNGIOMA TREATMENT	933
	N. Akalan (Turkey)	
9:36	VERTEBRAL ARTERY ANEURYSMS TREATMENT	934
	J. Hernesniemi (Finland)	
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COFFEE BREAK, POSTER VIEWING, VISIT THE EXHIBITION		
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PLENARY SESSION		
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	D. D'Avella (Italy)	936
10:30	HEARING PRESERVATION AND REHABILITATION AFTER ACOUSTIC NEUROMA SURGERY	937
	D. D'Avella (Italy)	
10:52	UNRUPTURED ANEURYSMS. A NEW CLASSIFICATION AND THEIR TREATMENT	938
	E. Spagnuolo (Argentina)	

11:14	THE CHANGING FACE OF TRAUMATIC BRAIN INJURY - LIFE BEYOND THE GUIDELINES	939
	A. Büki (Hungary)	
11:36	NEUROSURGERY 2025: WHAT IT WILL BE LIKE	940
	J. Ausman (USA)	
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12:32	DEVELOPMENT OF APPROPRIATENESS CRITERIA FOR THE SURGICAL TREATMENT OF LUMBAR DEGENERATIVE SPONDYLOLISTHESIS	944
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12:44	ENDOSCOPIC APPROACHES IN LUMBAR DEGENERATIVE DISEASES	945
	E. Osorio-Fonesca (Colombia)	
12:56	SURGICAL APPROACHES FOR CERVICAL MYELOPATHY. ANTERIOR VS POSTERIOR AND WHY	946
	J. Lafuente (Spain)	
13:08	THE MANAGEMENT OF MULTI-LEVEL CERVICAL DEGENERATIVE SPINE DISEASE	
	D. Sun (Hong Kong)	

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 F. Dhermain (France) 948

12:20 **INTRODUCTION- NEUROSURGERY IN ELDERLY PATIENTS** 949
 V. Ciurea (Romania)

12:35 **SURGICAL MANAGEMENT OF GBM IN ELDERLY: SURVIVAL AND QUALITY OF LIFE CONSIDERATIONS** 950
 P. Metellus (France)

12:50 **CONSERVATIVE TREATMENT IN ELDERLY GLIOBLASTOMA** 951
 E. Lehrun (France)

13:05 **RESECTION MATTERS FOR THE VERY ELDERLY** 952
 C. Senft (Germany)

12:20 - 13:20**Hall G****PARALLEL SESSION: ANEURYSM TREATMENT: SOLVE A CASE**

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12:20 J. Morcos (USA) 954

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 A. Temme (Germany) 961

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 S. Leenstra (The Netherlands)

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13:30 - 15:00**Hall G****PARALLEL SESSION: MENINGIOMAS**

Chairs: F. Calbucci (Italy)
M. Tatagiba (Germany)

13:30 PETROUS BONE MENINGIOMAS

1003

F. Calbucci (Italy)

1004

13:45 CPA MENINGIOMAS

1005

M. Tatagiba (Germany)

1006

14:00 ANTERIOR SKULL BASE MENINGIOMAS - CURRENT STAND AND OUR EXPERIENCES

1007

M. Vaverka (Czech Republic)

14:15 FORAMEN MAGNUM MENINGIOMAS: POSTERIOR, POSTERO-LATERAL AND CONDYLAR FOSSA APPROACHES

1008

M. Petrela (Albania)

14:30 THE ROLE OF LASER THERMAL ABLATION IN BRAIN TUMOR MANAGEMENT

1009

N. Ferraro (USA)

14:45 EXTENDED TRANSPHENOIDAL APPROACH FOR DIAPHRAGMA SELLAE AND TUBERCULUM MENINGIOMAS: RECONSTRUCTION OF ANTERIOR CRANIAL BASE AND POSTOPERATIVE CEREBROSPINAL FLUID LEAK

1010

M.F. Fraioli, M. Pardi, M. Grandoni, G.E. Umara (Italy)

13:30 - 15:00**Hall H****PARALLEL SESSION: EANS PGE COMMITTEE**

Chairs: P. Selviaridis (Greece)
J. Van Loon (Belgium)

13:30 THE ROLE AND RULES OF EACCMC

1011

J. Van Loon (Belgium)

1012

13:45 IMPORTANCE OF RESEARCH FOR TRAINED NEUROSURGEONS

1014

A. Grotenhuis (The Netherlands)

14:00 THE FUTURE OF SPINAL SURGERY WITHIN NEUROSURGERY

1015

B. Meyer (Germany)

14:15 CME: PERSPECTIVES FROM THE YOUNG NEUROSURGEONS

1016

A. Demetriades (United Kingdom)

14:30 LIFE TOO SHORT TO LEARN

1017

J. Hernesniemi (Finland)

PRESENTATION NO.

PRESENTATION NO.

13:30 - 15:00**Hall I****PARALLEL SESSION: CEA AFTER CREST AND ICASS**

Chairs: C. Loftus (USA)
A. Antunes (Brazil)

13:30 **CAROTID ENDARTERECTOMY VERUS CAROTID STENTING**

1018

1019

1020

O. Bradac (Czech Republic)

13:45 **ENDARTERECTOMY**

1021

C. Loftus (USA)

14:00 **CREST IN PERSPECTIVE**

1022

R.E. Harbaugh (USA)

14:15 **CAROTID ENDARTERECTOMY: WHAT CAN WE EXPECT FROM SURGICAL TREATMENT?**

1023

A. Antunes (Brazil)

14:30 **THE MODERN MEDICAL AND SURGICAL TREATMENT OF VBI**

1024

J. Ausman (USA)

14:45 **PREDICTIVE VALUE OF NEUROPHYSIOLOGICAL MONITORING WITH MOTOR AND SOMATOSENSORY EVOKED POTENTIALS DURING MECHANICAL ENDOVASCULAR THERAPY FOR ACUTE ISCHEMIC STROKE**

1025

E. Shiban, S. Wunderlich, K. Kreiser, B. Hemmer, Z. Claus, F. Ringel, B. Meyer (Germany)

13:30 - 15:00**Hall J****PARALLEL SESSION: DBS IN MOVEMENT DISORDERS**

Chairs: J.K. Krauss (Germany)
F. Acar (Turkey)

1026

1027

13:30 **WHAT HAPPENED TO DBS IN THE PEDUNCULOPONTINE NUCLEUS?**

J.K. Krauss (Germany)

1028

13:45 **BILATERAL PALLIDOTOMY IN 3T IMAGE TARGETING AGE**

1029

F. Acar (Turkey)

1030

14:00 **NEW TARGETS FOR DBS**

A. Franzini (Italy)

14:15 **NEUROMODULATION IN PSYCHIATRIC DISORDERS**

1031

B. Nuttin (Belgium)

14:30 **PRESENT AND FUTURE OF DBS**

1032

S. Palfi (France)

14:45 **LOCALIZATION OF DEEP BRAIN STIMULATION TARGETS BY DETERMINISTIC TRACTOGRAPHY USING AN AVAILABLE NAVIGATION SYSTEM**

1033

J. Avelillas, F. Alonso-Frech, O. Parras, J.A. Barcia (Spain)

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15:30 - 17:00**Hall B****PARALLEL SESSION: BASIC AND TRANSLATIONAL RESEARCH II**

Chairs: C. Dirven (The Netherlands) 1034
 P. Metellus (France) 1035

15:30 **GENE THERAPY / VIRO THERAPY - TRIALS AND PERSPECTIVES** 1036

C. Dirven (The Netherlands)

15:45 **THE PROMISE AND REALITY OF ANTI-ANGIOGENESIS** 1037

P. Metellus (France)

16:00 **MALIGNANT GIOMAS: CAN IMMUNOTHERAPY CHANGE THE PARADIGM?** 1038

S. De Vleeschouwer (Belgium)

16:15 **CONFOCAL LASER ENDOMICROSCOPY FOR REAL TIME HISTOMORPHOLOGICAL DIAGNOSIS: OUR CLINICAL EXPERIENCE WITH 150 BRAIN AND SPINAL TUMOR CASES** 1039

P. Charalampaki, F. Weber (Germany)

16:24 **THE NEW SOFTWARE FOR OBJECTIVE ESTIMATION OF PRIMARY MALIGNANT BRAIN TUMORS RESECTION** 1040

A. Krivoschapkin, G. Sergeev, A. Gaytan, V. Kurbatov, V. Murtazin, L. Kalneus, I. Tarantsev (Russia)

16:33 **TREATMENT OF EXPERIMENTAL ANEURYSMS WITH A RETRIEVABLE STENT AND A NEW LIQUID EMBOLIC: FEASIBILITY, AND ANGIOGRAPHIC RESULTS** 1041

A. Berenstein (USA)

16:42 **THE APPLICATION IN ADULTS OF ENDOSCOPIC EXPLORATION OF THE LATERAL VENTRICLES FOR UNCERTAIN LESIONS: REPORT OF 16 CASES** 1042

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 E. Ferrer (Spain) 1044

15:30 **ENDOSCOPY IN POSTERIOR FOSSA LESIONS** 1047

A. Grotenhuis (The Netherlands)

15:45 **ENDOSCOPY: POSSIBILITIES AND LIMITATIONS** 1045

O. Palamar (Ukraine)

16:00 **ENDOSCOPIC MANAGEMENT OF COLLOID CYSTS** 1046

E. Ferrer (Spain)

16:15 **TRANSPHENOIDAL REMOVAL OF CRANIOPHARYNGIOMA - ITS INDICATION AND TIPS FOR PREVENTING COMPLICATION** 1048

K. Kurisu (Japan)

16:30 **THE ROLE OF THE ENDOSCOPY IN INTRACRANIAL TUMORS** 1049

M. Gangemi (Italy)

16:45 **INTRATUMORAL DISTRIBUTION OF PROLIFERATIVE INDEX IN ACOUSTIC NEUROMA** 1050

H. Tokimura, S. Sugata, H. Yamahata, H. Yonezawa, S. Yunoue, H. Uchida, S. Fujio, K. Arita (Japan)

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15:30 - 17:00**Hall D****PARALLEL SESSION: TBI, INTRACEREBRAL HEMORRHAGE**

Chairs: M. Juhler (Denmark)
A. Büki (Hungary)

15:30 **PAEDIATRIC TBI** 1053

R.M. Chesnut (USA)

15:45 **CAN WE SAVE THE PREVIOUS GENERATION? - TBI IN THE ELDERLY** 1054

A. Büki (Hungary)

16:00 **IN-HOSPITAL MORTALITY AND COMPLICATION RATES IN SURGICALLY AND CONSERVATIVELY TREATED PATIENTS WITH SPONTANEOUS INTRACEREBRAL HEMORRHAGE IN MIDDLE GERMANY** 1055

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Chairs: H. Steiger (Germany)
G. Unsgård (Norway)

15:30 **ANATOMY AND PATHOPHYSIOLOGY OF AVM** 1062

H. Steiger (Germany)

15:45 **SURGERY OF BRAIN AVMS** 1063

A.R. Dehdashti (USA)

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G. Unsgård (Norway)

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V. Rohde (Germany)

16:30 **SURGERY WITHOUT EMBOLISATION FOR BRAIN AVM** 1066

M. Morgan (Australia)

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15:30 - 17:00**Hall F****PARALLEL SESSION: CRANIOCERVICAL JUNCTION**

Chairs: R. Galzio (Italy)
W.C. Peul (The Netherlands)

15:30 **JUGULAR FORAMEN TUMORS** 1070

R. Ramina (Brazil)

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15:45	(IM)POSSIBILITIES IN SKULLBASE AND CRANIOCERVICAL CHORDOMA'S W.C. Peul (The Netherlands)	1071
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16:00	COMPLICATIONS OF INVASIVE EEG MONITORING K. Fountas (Germany)	1107
16:15	ANATOMY OF THE TEMPORAL LOBE IN EPILEPSY SURGERY J. Van Loon (Belgium)	1108
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17:05	TRIGEMINAL NEURALGIA, PATHOPHYSIOLOGY AND IMPLICATIONS FOR TREATMENT Z.H. Rappaport (Israel)	1114
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	Chairs: M. Fehlings (Canada) J. Duff (United Kingdom)	1117 1118
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17:20	MYELOPATHY: DOES IT REALLY HELP AND WHEN? A. Demetriades (United Kingdom)	1120
17:35	METASTASIS: WHEN TO OPERATE? S. Rehak (Czech Republic)	1121
17:50	METASTASIS: SHOULD WE BE AGGRESSIVE? M. Fehlings (Canada)	1122
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INTERACTIVE SESSION: DECOMPRESSIVE CRANIECTOMY		
	Chairs: F. Servadei (Italy) J. Öhman (Finland)	1123 1124
17:05	RESCUING THE INJURED BRAIN P. Hutchinson (United Kingdom)	1125
17:20	DECOMPRESSIVE CRANIECTOMY - ONLY BENEFIT OR SOMETIMES HARMFUL? J. Öhman (Finland)	1126
17:35	TECHNIQUES OF DECOMPRESSIVE CRANIECTOMY IN TBI I. Timofeev (United Kingdom)	1127
17:50	TIMING OF CRANIOPLASTY F. Servadei (Italy)	1128

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17:05 - 18:05**Hall E****INTERACTIVE SESSION: AVM TREATMENT - SOLVE A CASE**

Chairs: K. Schaller (Switzerland)
C. Cognard (France)

17:05 ENDOVASCULAR

G. Rodesch (France)

1129

17:20 ENDOVASCULAR

J. Moret (France)

1130

17:35 RADIOSURGERY

A. Kemeny (United Kingdom)

1131

17:50 SURGERY

V. Benes (Czech Republic)

1132

1134

17:05 - 18:05**Hall F****INTERACTIVE SESSION: PARASAGITTAL MENINGIOMAS**

Chairs: A. Antunes (Brazil)
F. DiMeco (Italy)

17:05 MANAGEMENT OF MENINGIOMAS INVADING THE SUPERIOR SAGITTAL SINUS

F. DiMeco (Italy)

1135

1136

17:20 PARASAGITTAL MENINGIOMA- PRESERVATION OF SINUS

J.C. Lynch de Araujo (Brazil)

1138

17:35 SURGICAL MANAGEMENT AND TECHNICAL NUANCES

A. Antunes (Brazil)

1139

17:50 INTRACRANIAL VENOUS SYSTEM: MICROSURGICAL REPAIR

M. Sindou (France)

1140

17:05 - 18:05**Hall G****INTERACTIVE SESSION: EMERGENCY VASCULAR PROCEDURES**

Chairs: K. Auslands (Latvia)
A. Berenstein (USA)

1141

1142

17:05 URGENT ENDOVASCULAR TREATMENT OF RUPTURED AVMS

A. Berenstein (USA)

1143

17:20 EMERGENCY CAROTID ENDARTERECTOMY

V. Benes Jr. (Czech Republic)

1144

17:35 SPONTANEOUS INTRACEREBRAL HEMORRHAGE

S. Ezzat (Egypt)

1145

17:50 ANEURYSM SURGERY

K. Auslands (Latvia)

1146

17:05 - 18:05**Hall H****INTERACTIVE SESSION: OPTIC GLIOMA - SURGERY AND ONCOLOGICAL ISSUES: VISUAL PRESERVATION**

Chairs: S. Constantini (Israel)
M. Brada (United Kingdom)

1147

1148

17:05 CLASSIFICATION, IMAGING, AND VISION AND CHEMOTHERAPY

S. Constantini (Israel)

1149

17:20 OPG: WHEN NOT TO OPERATE

G. Cinalli (Italy)

1150

17:35 IS RADIATION THERAPY UNDER-USED IN THE TREATMENT OF OPG'S?

M. Brada (United Kingdom)

1151

17:05 - 18:05

Hall I

INTERACTIVE SESSION: COMPLICATION AVOIDANCE ROUND TABLE

Chairs: R. Galzio (Italy) 1152
S. Bao (China) 1153

17:05 **PITFALLS AND AVOIDANCE IN COMPLEX SKULL BASE TUMOR SURGERY** 1154

S. Bao (China)

17:20 **MEA CULPA, COMPLICATIONS** 1155

C. Rosen (USA)

17:35 **DOING WHAT'S RIGHT AND THE SPIRAL OF LEARNING IN AVOIDANCE OF COMPLICATIONS** 1156

A. Grotenhuis (The Netherlands)

17:50 **COMPLICATIONS IN CEREBROVASCULAR SURGERY: FORGIVE AND REMEMBER!** 1157

J. Morcos (USA)

EANS 2014

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SCIENTIFIC PROGRAMME
Friday, October 17, 2014

PRESENTATION NO.

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SCIENTIFIC PROGRAMME

FRIDAY, OCTOBER 17, 2014

7:30 - 8:50 Hall B

BREAKFAST SEMINAR: CV JUNCTION

Chairs: V. Sonntag (USA)
J. Duff (United Kingdom)

7:30 **IMAGE GUIDED SURGERY OF THE CRANIOVERTEBRAL JUNCTION** 1160

J. Duff (United Kingdom)

7:45 **SURGICAL TREATMENT OF RHEUMATIC INVOLVEMENT OF THE CRANIOCERVICAL JUNCTION** 1161

P. Vanek (Czech Republic)

8:00 **BASILAR INVAGINATION** 1162

V.K. Jain (India)

8:15 **TREATMENT OF CRANIOCERVICAL JUNCTION INJURIES** 1163

V. Sonntag (USA)

7:30 - 8:50 Hall C

BREAKFAST SEMINAR: SKULL BASE MENINGIOMAS

Chairs: F. Tomasello (Italy)
M. Smrcka (Czech Republic)

7:30 **PETROCLIVAL MENINGIOMAS** 1166

R. Ramina (Brazil)

7:45 **BRAIN ARTERY INVOLVEMENT IN SKULL BASE MENINGIOMAS: SURGICAL STRATEGIES AND RESULTS** 1167

I. Poeata (Romania)

8:00 **SPHENO-CAVERNOUS MENINGIOMA** 1168

F. Tomasello (Italy)

8:15 **TENTORIAL MENINGEOMAS** 1169

M. Smrcka (Czech Republic)

8:30 **PERSONALIZED SURGICAL CONCEPTS FOR SKULL BASE MENINGEOMAS** 1170

J. Tonn (Germany)

7:30 - 8:50 Hall D

BREAKFAST SEMINAR: EC-IC BYPASS SURGERY: WHAT IS THE FUTURE?

Chairs: M. Sames (Czech Republic)
P. Vajkoczy (Germany)

7:30 **OBJECTIVE FUNCTIONAL ASSESSMENT OF BYPASS EFFICACY** 1173

P. Vajkoczy (Germany)

7:45 **EC-IC BYPASS FOR HEMODYNAMIC ISCHEMIA** 1174

M. Sames (Czech Republic)

8:00 **POSTERIOR CIRCULATION BYPASS: NECESSARY AND FUTURE** 1175

X.G. Tong (China)

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7:30 - 8:50 **Hall E****BREAKFAST SEMINAR: ELOQUENT AREAS SURGERY**

Chairs: P. Selviaridis (Greece) 1176
 U. Türe (Turkey) 1177

7:30 **SURGERY OF BRAIN TUMOURS IN THE MOTOR AREA** 1178

P. Selviaridis (Greece)

7:45 **SURGERY OF MOTOR ELOQUENT GLIOMAS SURGICAL AND MONITORING ASPECTS** 1179

A. Raabe (Switzerland)

8:00 **FUNCTIONAL-NEUROONCOLOGY** 1180

S. Boviatisis (Germany)

8:15 **ELOQUENT AREAS SURGERY** 1181

U. Türe (Turkey)

8:00 **SURGERY OF THE MESIAL TEMPORAL LOBE LESION** 1182

V. Smolanka (Ukraine)

7:30 - 8:50 **Hall F****BREAKFAST SEMINAR: RADIOSURGERY: EXPANDING PRACTICE**

Chairs: A. Kemeny (United Kingdom) 1183
 J. Jaaskelainen (Finland) 1184

7:30 **STEREOTACTIC RADIOTHERAPY OF CNS LESIONS WITH CYBERKNIFE** 1185

J. Jaaskelainen (Finland)

7:45 **WHAT CAN RADIOSURGERY OFFER IN THE SKULL BASE TUMOUR MANAGEMENT TEAM?** 1186

R. Liscák (Czech Republic)

8:00 **RADIOSURGERY FOR SPINAL TUMOURS** 1187

B. Wowra (Germany)

8:15 **RADIOSURGERY FOR INTRAVENTRICULAR NEOPLASMS - A CASE SERIES** 1188

E. Kasper (USA)

9:00 - 10:30 **Hall A****PLENARY SESSION**

Chairs: J.M. Regis (France) 1189
 J. Schramm (Germany) 1190

9:00 **NO PROFESSION FOR OLD MEN. A RETROSPECT ON NEUROSURGERY OF THE FIRST HALF OF THE 21ST CENTURY** 1191

K. Schaller (Switzerland)

9:20 **IS ANEURYSM CLIPPING DEAD?** 1192

R. Spetzler (USA)

9:40 **HEARING PRESERVATION IN MANAGEMENT OF ACOUSTIC NEUROMAS** 1193

A. Kaye (Australia)

10:00 **THE AGE OF REASON AND THE ROADS TO FREEDOM: A SARTREIAN LOOK AT THE SHIFTING PHILOSOPHY ON THE TREATMENT OF BRAIN TUMORS** 1194

Z. Ram (Israel)

10:30 - 11:00 **1st Floor Foyer****COFFEE BREAK AND POSTER VIEWING**

PRESENTATION NO.

11:00 - 13:00 **Hall B**

PLENARY SESSION

Chairs: V. Benes (Czech Republic) 1195
A. Grotenhuis (The Netherlands) 1196

11:00 **WILL NEUROSURGERY BE IN 10-20 YEARS? WHERE DO WE GO AND WHAT CAN WE EXPECT?** 1197

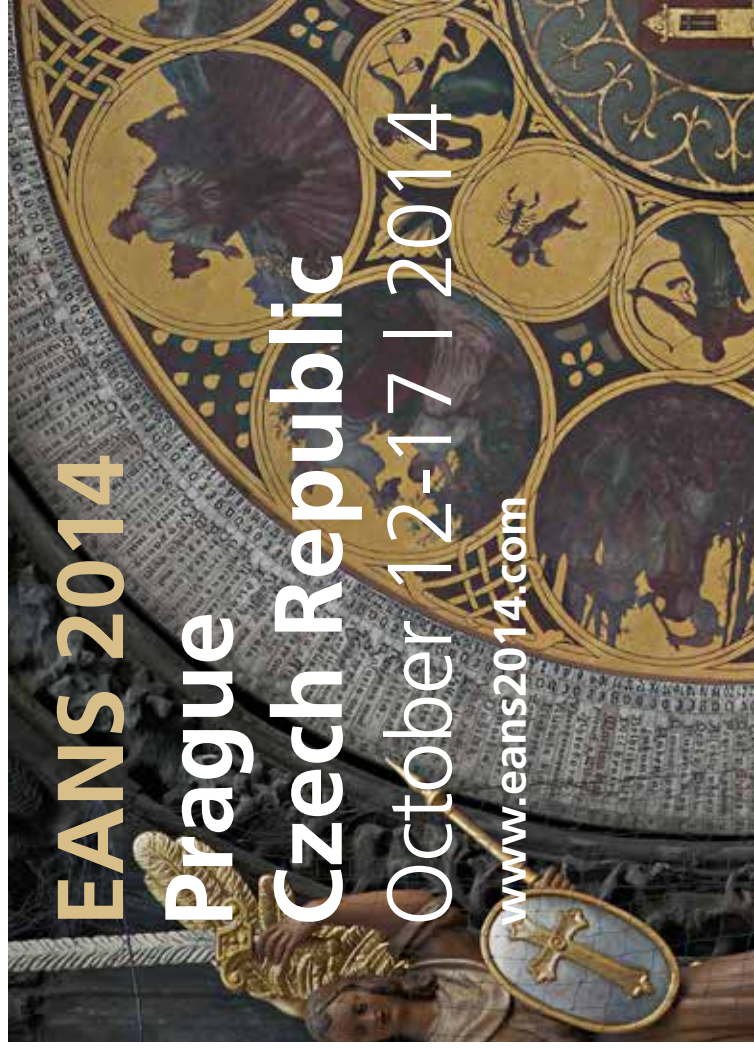
J.M. Regis (France)
11:20 **NEUROSURGERY AND NEUROSCIENCE - CHANCES AND LIMITS** 1198

J. Schramm (Germany)
11:40 **ETHICAL CHOICE IN GLIOMA SURGERY** 1199
J. Brennum (Denmark)

12:00 **CRANIOPHARYNGIOMA: ENDLESS CHALLENGE TO FIGHT A POLYMORPHOUS ENEMY** 1200
J. Steno (Slovakia)

12:00 **Hall B**

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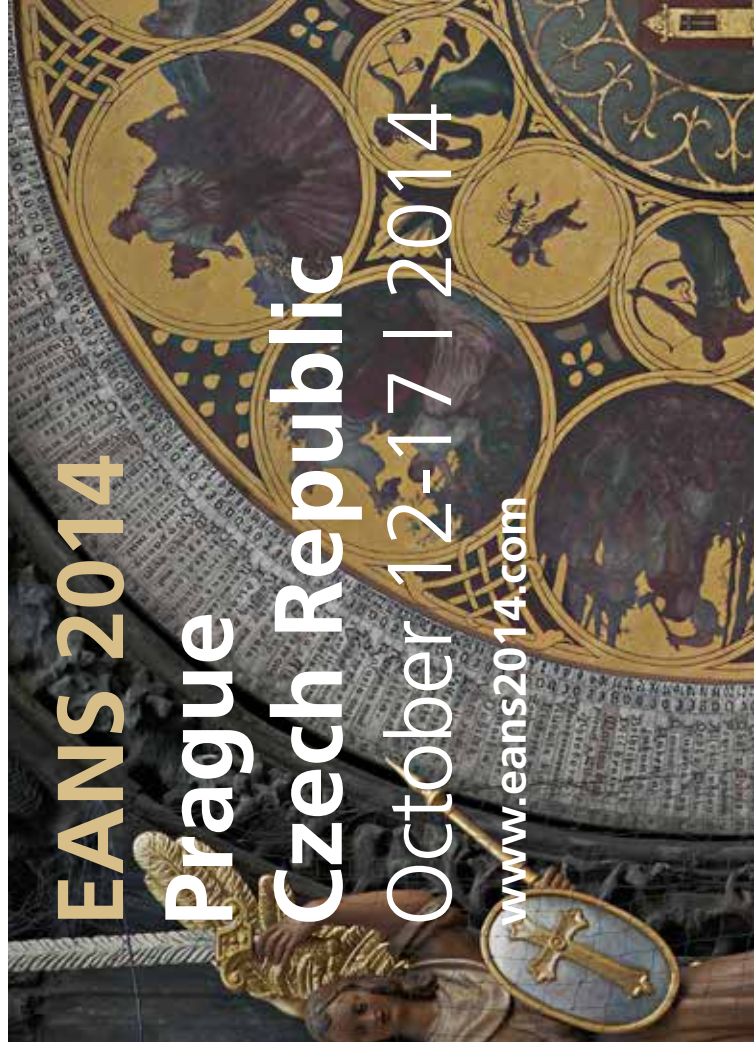
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- BIOMARKERS IN TBI: TRANSLATING POTENTIAL TO PRACTICE** 1801
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I. Mihailov, B. Costachescu, D. Turliuc, L. Eva, L. Mihailov (Romania)
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J. Mracek, J. Hommerova, V. Priban (Czech Republic)
1828
- INTRACRANIAL SUBDURAL FLUID COLLECTIONS IN YOUNG CHILDREN**
E. Nowoslawska, B. Polis, M. Polis, A. Kogut, M. Staniszewska, W. Mikołajczyk-Wieczorek, J. Krawczyk, K. Zakrzewski (Poland)
1829
- POSTTRAUMATIC LONG-TERM BASAL CEREBROSPINAL FLUID LEAKAGE: SURGICAL TREATMENT AND OUTCOMES**
V. Okhlopkov, A. Potapov, A. Kravchuk, L. Likhterman, D. Kapitanov, A. Gavrilov (Russia)
1830
- CAN ONCOTHERAPY BE A PROMISING THERAPEUTIC ALTERNATIVE FOR TRAUMATIC BRAIN EDEMA?**
S.C. Onal, R. Erguvan-Onal, N. Yucel, A. Tekiner, E. Duran, O. Tarim, T. Ates, H. Parlakpinar, F. Unal, I. Turantan (Turkey)
1831

- CHARACTERISTICS OF BILATERAL CHRONIC SUBDURAL HEMORRHAGE (CSDH) COMPARED WITH UNILATERAL CSDH**
J. Park, J. Lee (Korea)
1832
- DECOMPRESSIVE BIFRONTAL AND SUBTEMPORAL CRANIECTOMY WITH DURAPLASTY IN A PATIENT WITH GIANT AREAS OF CONTUSIONS AND LACERATIONS: A CASE REPORT**
I. Pregelza, V. Gorea, V. Frumusachi, I. Marina (Moldova)
1833
- PNEUMOCEPHALUS FOLLOWING EXTRUSION OF TITANIUM MESH CRANIOPLASTY - A CASE REPORT**
L. Olu, L. Lee, I. Nawaz, M.W. Chen, C. Ng, J. Thomas (Singapore)
1834
- COMPUTER SIMULATION AND PROTOTYPING TECHNIQUES IN RECONSTRUCTIVE NEUROSURGERY**
A. Rodzich, A. Shchemelev, R. Sidorovich (Belarus)
1835
- SEVERE HEAD INJURY: PREDICTION OF NEUROLOGICAL OUTCOME USING SIMPLE CLINICAL AND LABORATORY VARIABLES - A CLASSIFICATION AND REGRESSION TREE APPROACH**
A. Rovlias, M. Siakavella, D. Papoutsakis, K. Gouliopoulou (Greece)
1836
- TITANIUM MESH CRANIOPLASTY: A REPORT OF 15 CASES WITH LARGE CRANIAL DEFECTS**
A. Rovlias, M. Siakavella, D. Papoutsakis, K. Gouliopoulou (Greece)
1837
- THE BIGGER, THE BETTER? ABOUT THE SIZE OF DECOMPRESSIVE HEMICRANIECTOMIES**
G. Schubert, L. Tanrikulu, H. Clusmann (Germany)
1838
- RECONSTRUCTIVE SURGERY OF SEVERE CRANIO-ORBITO-BASAL DAMAGES SHAHINIAN G.G., DREVAL O.N., GULZATYAN A.A., RUSSIAN MEDICAL ACADEMY OF POSTGRADUATE EDUCATION**
G.G. Shahinian, O.N. Dreval, A.A. Gulzatyanyan (Russia)
1839

- DIFFUSE AXONAL BRAIN INJURY: JUSTIFIABILITY OF DECOMPRESSIVE INTERVENTIONS**
E. Pedachenko, L. Dzyak, A. Sirko (Ukraine)
1840
- MODERN APPROACHES TO THE DETERMINATION OF DECOMPRESSIVE CRANIECTOMY EFFICIENCY IN CASE OF SEVERE BRAIN INJURY**
A. Sirko (Ukraine)
1841
- SHORT TERM OUTCOMES OF ACUTE SUBDURAL HEMATOMA IN THE YOUNG AND ELDERLY**
C. Son, M. Rahman (USA)
1842
- OUTCOME OF PATIENTS WITH MODERATE TO SEVERE TRAUMATIC BRAIN INJURY (TBI) - A SINGLE CENTRE RETROSPECTIVE COHORT STUDY**
W.C. Soon, A. Pouncey, S. Hendrickson, H.J. Marcus, F. Arnold, M.H. Wilson (United Kingdom)
1843
- CLINICAL AND NEURORADIOLOGICAL PREDICTIVE FACTORS IN CONSERVATIVE TREATMENT OF LAMELLAR ACUTE TRAUMATIC SUBDURAL HAEMATOMA**
G. Blagus, D. Muzevic, B. Splavski, M. Kovacevic, D. Planinic (Croatia)
1844
- FACING THE TRAUMATIC BRAIN INJURIESEXPERIENCE FROM A SINGLE NEUROSURGICAL DIVISION IN CENTRAL GREECE**
N. Syrmos, N. Haftouras, V. Sanidas (Greece)
1845
- CLINICAL FEATURES IN PATIENTS WITH SEVERE TRAUMATIC BRAIN INJURY COMPLICATED BY CHEST TRAUMA**
A. Sytnik, A. Talygov, V. Krylov (Russia)
1846

- ESTIMATION FOR PROGRESSIVE INTRACRANIAL HAE MORRHAGE AFTER MODERATE-SEVERE TRAUMATIC BRAIN INJURY IN ADULTS**
S. Yutthakasemsunt, N. Phuenpathom, W. Kittiwatanagul, B. Thinkamrop, P. Lumbiganon (Thailand)
1847
- 25. HEAD INJURY/CRITICAL CARE**
- NOVEL METHOD OF NON-INVASIVE INTRACRANIAL PRESSURE MONITORING AND ITS VALIDATION ON ANIMAL MODEL**
O. Bradac, P. Seba, V. Kolar, J. Habalova (Czech Republic)
1848
- NEED FOR STANDARDIZATION IN ASSESSMENT OF THE GLASGOW COMA SCALE 40 YEARS ON**
P. Brennan, F. Reith, A. Maas, G. Teasdale (United Kingdom)
1849
- C-REACTIVE PROTEIN (CRP)ARTERIAL-JUGULAR BULB DIFFERENCES IN NEUROCRITICAL PATIENTS**
M. Canitrot, S. Ugarte (Chile)
1850
- IMPACT OF HIGH-FREQUENCY OSCILLATORY VENTILATION (HFOV) IN CEREBRAL OXYGENATION OF NEUROCRITICAL PATIENTS WITH REFRACTORY ACUTE RESPIRATORY FAILURE (RARF)**
M. Canitrot, S. Ugarte (Chile)
1851
- NEUROSURGICAL MANAGEMENT DIFFICULTIES IN PATIENTS OLDER THAN 70.(TRAUMATIC AND NONTRAUMATIC DISEASE)**
V. Ciurea, D. Mohan, D. Nica, V. Munteanu, H. Moisa (Romania)
1852
- THERAPEUTIC HYPOTHERMIA AS A POSSIBLE RISK FACTOR FOR PROPOFOL RELATED INFUSION SYNDROME (PRIS)**
B. Dengler, R. Garvin, S. Melnyk, A.L.I. Seifi (USA)
1853

- SURGERY OF TRAUMATIC ACUTE SUBDURAL HEMATOMA IN 'ELDERLY': ANALYSIS OF EFFECTIVENESS AND EFFICIENCY** 1854
C. Gambacciani, N. Montemurro, P. Perrini, N. Benedetto (Italy)
- CORRELATION BETWEEN INTERLEUKIN 1B AND INTERLEUKIN 6 WITH HEAD TRAUMA SEVERITY AND OUTCOME IN PEDIATRIC PATIENTS** 1855
O. Genovese, A. Chiaretti, A. Mancino, F. Tosi (Italy)
- EFFECT OF TRANSFUSION THRESHOLD ON EARLY CEREBRAL HEMODYNAMICS AFTER SEVERE TRAUMATIC BRAIN INJURY** 1856
S. Gopinath, J.M. Yamal, C.S. Robertson (USA)
- SUPPRESSION OF AQUAPORIN-4 BY ANTISENSE OLIGONUCLEOTIDES REDUCES BRAIN EDEMA IN EXPERIMENTAL HEAD TRAUMA MODEL** 1857
M. Tohid, S. Hanalioglu, S. Lule, Y. Gursoy-Ozdemir, K.K. Oguz, M. Mut (Turkey)
- UNCERTAINTY, CONFLICT AND CONSENT. CAN THE FUTILITY DEBATE IN NEUROCRITICAL CARE BE RESOLVED?** 1858
S. Honeybul, G. Gillett, K. Ho (Australia)
- TRAUMATIC EPI- AND SUBDURAL HEMORRHAGES SURGERY VIA BURR-HOLE** 1859
K. Horbatyuk, V. Olkhov, I. Olkhova (Ukraine)
- DIAGNOSTIC CRITERIA FOR MILD TRAUMATIC BRAIN INJURY AND THEIR ASSOCIATION WITH LONG-TERM POST-CONCUSSION SYMPTOMS** 1860
H.I. Isokuortti, G.L. Iversen, H. Losoi, M. Wälljas, A. Kataja, A. Brander, A. Ylisen, J. Ohman, T.M. Luoto (Finland)
- OUTCOMES OF MILITARY CRANIOCEREBRAL GUNSHOT WOUNDS: A 22 YEARS EXPERIENCE** 1861
Y. Izcı, M. Daneyemez, O. Tehli, C. Temiz (Turkey)

- PARADOXICAL INTRACRANIAL HYPERTENSION IN CHRONIC POST TRAUMATIC HEADACHE** 1862
K. Kato, K. Takagi, Y. Kato (Japan)
- CRANIOPLASTY RESULTS AFTER APPLICATION OF ANTI-ADHESIVE FILMS (ORTHOWRAP®) IN TRAUMATIC DECOMPRESSIVE CRANIECTOMY** 1863
H. Khalili (Iran)
- MEDICAL CONTROL IN A PATIENT WITH POST-TRAUMATIC STATUS EPILEPTICUS AND ISCHEMIC HEPATITIS: A CASE REPORT** 1864
M. Lee, T. Lee, J. Yang, T. Wang, W. Cheng, M. Lin, W. Yang, C. Lin, W. Huang, P. Tsai (Taiwan)
- BRAIN TISSUE OXYGEN DIRECTED MANAGEMENT AND OUTCOME IN THE PATIENTS WITH SEVERE TRAUMATIC BRAIN INJURY** 1865
A. Mrljan, R. Gál, M. Smrcka (Czech Republic)
- PROGNOSTICATION OF DIFFUSE HEAD INJURY BASED ON ICP - A SINGLE-INSTITUTE STUDY** 1866
L. Qiu, J.M. Ling, I. Nawaz, E. Wang (Singapore)
- ADVERSE EVENTS DETECTED IN PATIENTS IN NEUROINTENSIVE CARE UNIT USING GLOBAL TRIGGER TOOL** 1867
K. Rabiej, M. Tiger, H. Westrin, T. Skoglund, P. Dahm (Sweden)
- EXTERNAL LANDMARKS SHOULD BE ADAPTED FROM PATIENT TO PATIENT TO IMPROVE EVD PLACEMENT ACCURACY** 1868
S. Schuind, H.B. Pouleau, V. Minichini, J. Spitaels, J.C. Cajot, M. Rynkowski, S. Lonneville, A. Devalkeneer, O. De Witte, M. Bruneau (Belgium)

PRESENTATION NO.

- DIFFERENTIATED APPROACH TO THE SURGICAL TREATMENT OF FOCAL INTRACEREBRAL INJURIES DURING THE ACUTE PERIOD OF BRAIN INJURY**
G. Pliipenko, A. Sirko, T. Ionov, I. Kyrpa (Ukraine) 1869
- RISK FACTORS FOR EARLY EPILEPTIC SEIZURES AT PATIENTS WITH MODERATE AND SEVERE TBI WITH CT LOW CEREBRAL LESIONS.**
I. Trifonov, V.V. Krylov, A.E. Talygov (Russia) 1870
- HYPOCALCAEMIA AS A PROGNOSTIC FACTOR OF EARLY MORTALITY AND MORBIDITY IN MODERATE AND SEVERE TRAUMATIC BRAIN INJURY**
J.M. Vinas Rios, M. Sánchez-Aguilar, J.J. Sánchez-Rodríguez, L.F. Muruato-Araiza, M. Frerik, T. Kretschmer, C. Heinen (Germany) 1871
- THE ROLE OF CT PERFUSION IN TRAUMATIC BRAIN INJURY**
K. Whang, J. Oh, S. Cho, J. Kim, J. Pyen, S. Hong, C.H.U.L. Hu (Korea) 1872
- DELAYED TRAUMATIC INTRACEREBRAL HEMORRHAGE AFTER DECOMPRESSIVE CRANIECTOMY IN PATIENTS WITH ACUTE SUBDURAL HEMATOMA**
K. Whang, J. Oh, S. Cho, D. Kim, J. Kim (Korea) 1873
- APPLICATION OF 3D BIO-PRINTING TECHNOLOGY IN NEUROSURGICAL REPAIR MATERIALS**
T. Xu, Y.Y. Yuan, F. Lin, K.X. Deng, T. Yuan, M. Liu, Y.Y. Yang, Z.Y. Guo, Z.F. Zhan, P.L. Wang (Germany) 1874
- DECOMPRESSIVE CRANIECTOMY EFFECT IN MICROSURGICAL SURGICAL CLIPPING AND ENDOVASCULAR COILING PATIENTS, IN POOR GRADE SUBARACHNOID HEMORRHAGE**
D.S. Yoo (Korea) 1875

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- CEREBRAL PERFUSION PRESSURE MANAGEMENT IN DECOMPRESSIVE CRANIECTOMY PATIENTS**
D.S. Yoo (Korea) 1876
- 26. SPINAL TRAUMA**
- TOWARDS A GREEK ADAPTATION OF THE SPINAL CORD INDEPENDENCE MEASURE (SCIM)**
A. Athanasiou, A. Alexandrou, E. Paraskevopoulos, N. Foroglou, A. Prassas, P.D. Bamidis (Greece) 1877
- FREE-HAND THORACIC PEDICLE SCREW TECHNIQUE USING A UNIFORM ENTRY POINT AND SAGITTAL TRAJECTORY FOR ALL LEVELS: PRELIMINARY CLINICAL EXPERIENCE**
A. Baaj, V. Fennell, S. Palejwala, J. Skoch, D. Stidd (USA) 1879
- PUSHING FRAGMENTS OF BURST FRACTURE FOR CANAL ENLARGEMENT IN LUMBAR BURST FRACTURE: EASY AND EFFECTIVE SURGICAL TECHNIQUE**
M. Tiryaki, R. Basaran, B. Kendircioglu, M. Efendioğlu (Turkey) 1880
- SPONTANEOUS SPINAL EPIDURAL HEMATOMA: A CASE REPORT.**
C. Benevello, A. Bernat, M. Cappelletti, E. Marcati, S. Froelich (France) 1881
- SPINAL EPIDURAL HEMATOMA DUE TO TYRE BLAST INJURY: A CASE REPORT**
M.G. Boyaci, A. Aslan, K. Tunay, M. Karademir, A. Aydogmus (Turkey) 1882
- CLINICAL OUTCOME OF EARLY VERSUS LATE SURGERY FOR CERVICAL SPINAL CORD INJURY**
K. Cho, S.B. Lee, T.Y. Won, T.G. Lee, H.J. Bae, P.W. Huh (Korea) 1882

- SPINAL EPIDURAL HEMATOMAS: INCIDENCE, TREATMENT AND OUTCOME IN PATIENTS WITH ALTERATIONS OF COAGULATION**
D. Dugoni, C. Mancarella, G. Santoro, G. Anichini, M. Domenicucci (Italy) 1883
- VINCENZO QUERCIOLO (1876-1939), RESEARCHER AND PIONEER OF THE ATLAS FRACTURE**
D. Dugoni, C. Mancarella, A. D'elia, P. Missori, M. Domenicucci (Italy) 1884
- KYPHOPLASTY: AN ALTERNATIVE FOR POST-TRAUMATIC SPINE FRACTURE**
N. Francaviglia, F. Meli, V. Fiorenza, A. Odierna Contino, F. Ascanio, B. Lo Duca (Italy) 1885
- SURGICAL MANAGEMENT OF HIGH THORACIC SPINE INJURIES RESULTING IN INSTABILITY OR SPINAL CORD INJURY**
J. Hamilton, J. Rostron, J. Boddu, A. Danison (USA) 1886
- C1-C2 STABILISATION FOR C2 DENS FRACTURE**
K. Horbatyuk, V. Olkhov, I. Olkhova (Ukraine) 1887
- POSTERIOR SUBTRACTION CORPECTOMY IN THORACOLUMBAR FRACTURES. EXPERIENCE IN THE LAST YEAR IN MEDERI HOSPITAL**
J. Rodriguez Gil, J. Torres, J. Burritica, W. Riveros, R. Juan Manuel (Colombia) 1888
- CENTRAL CORD SYNDROME AND CERVICAL SPINE SUBLUXATION**
A. Karakouti, D. Koutentakis, V. Moraitis, D. Arvanitakis (Greece) 1889
- ANTI-INFLAMMATORY AND ANTIAPOPTOTIC EFFECT OF INTERLEUKINE-18 BINDING PROTEIN ON THE SPINAL CORD ISCHEMIA-REPERFUSION**
E. Karavelioglu, Y. Gonul, S. Kokulu, O.M.E.R. Hazman, F. Bozkurt, A. Kocak, O. Eser (Turkey) 1890

- CONGENITAL DEFECT OF ANTERIOR ARCH OF ATLAS**
E. Karavelioglu, E. Kacar, A. Karavelioglu, Y. Gonul, M. Guven (Turkey) 1891
- O-ARM GUIDED UPPER THORACIC AUGMENTATION: SINGLE-CENTER EXPERIENCE IN SLOVAKIA**
A. Khoshab (Slovakia) 1892
- SURGICAL MANAGEMENT OF SEVERELY DISPLACED THORACOLUMBAR FRACTURE USING PERCUTANEOUS TRANSPEDICLE SCREWS: A CASE REPORT**
M. Lin, J. Yang, M. Lee, T. Wang, T. Lee, W. Cheng, W. Yang, C. Lin, C. Cheng, K. Chen (Taiwan) 1893
- POST-TRAUMATIC CENTRAL CORD SYNDROME: FIRST AND ORIGINAL DESCRIPTION OF THORACIC LOCALIZATION**
C. Mancarella, D. Dugoni, D. Colistra, M. Domenicucci (Italy) 1894
- POST-TRAUMATIC COLLET-SICARD SYNDROME: PERSONAL OBSERVATION AND REVIEW OF THE PERTINENT LITERATURE WITH CLINICAL, RADIOLOGIC AND ANATOMIC CONSIDERATIONS**
C. Mancarella, D. Dugoni, P. Ciappetta, P. Missori, M. Domenicucci (Italy) 1895
- INJURED SPINAL CORD PRESSURE EVALUATION (ISCOPE) STUDY - EXPANSION DUROPLASTY REDUCES SPINAL CORD PRESSURE IN ACUTE SPINAL CORD INJURY**
I. Phang, M.C. Werndle, G.V. Varsos, P. Smielewski, M. Czosnyka, A. Zourmrouli, M.C. Papadopoulos (United Kingdom) 1896
- OCCIPITO-THORACIC FUSION IN INCIDENTAL DYSTROPHIC OS ODONTOIDEUM IN A PATIENT SUSPECTED WITH OSTEOGENESIS IMPERFECTA: A CASE REPORT**
R. Reyes (Philippines) 1897

- PERIOPERATIVE MORBIDITY AND MORTALITY IN 80+ PATIENTS WITH SURGICALLY TREATED ODONTOID FRACTURES** 1898
 Y. Ryang, I. Janssen, F. Ringel, J. Gempt, B. Meyer (Germany)
- MORPHOLOGICAL AND STATISTICAL ANALYSIS OF TIMING OF DECOMPRESSION CONDUCTING OF A SPINAL CORD IN CASE OF SPINAL TRAUMA.** 1899
 M. Salkov, V. Tsybaliuk, L. Dzyak, V. Nevodnik, A. Botvnikov, N. Zozulya (Ukraine)
- SURGICAL TREATMENT OF PATIENTS WITH SPINAL TRAUMA USING TIGHTENING CLAMPS WITH A MEMORY EFFECT.** 1900
 M. Salkov, A. Botvnikov, N. Zozulya (Ukraine)
- EXPERIMENTAL STUDY OF THE EFFECTIVENESS OF LOCAL APPLICATION ELECTRONEUROSTIMULATION, CORTEXIN AND METHYLPREDNISOLONE IN ACUTE SPINAL CORD INJURY.** 1901
 M. Salkov, A. Rodinsky, L. Dzyak, N. Zozulya, S. Tkachenko, E. Demchenko (Ukraine)
- EFFICIENCY OF HUMAN UMBILICAL CORD BLOOD ADMINISTRATION IN ANIMAL MODELS OF SEVERE SPINAL CORD TRAUMATIC INJURY** 1902
 V. Smirnov, A. Green, S. Ryabov, M. Zvyagintseva, E. Pavlovich, V. Chechonin (Russia)
- MINIMALLY INVASIVE L4 CORPECTOMY FOR TRAUMATIC FRACTURES** 1903
 G. Tender, D. Serban (USA)
- A PILOT PROJECT EVALUATING THE USE OF AN INNOVATIVE DIAGNOSTIC ANAL PROBE FOR CAUDA EQUINA SYNDROME IN HEALTHY VOLUNTEERS** 1904
 S. Trecarten, R. Parks, E. Behrbalk, D. McNally, B. Boszczyk (United Kingdom)

- IS BRACING ACTUALLY USEFUL AFTER SURGERY FOR THORACOLUMBAR BURST FRACTURES?** 1905
 C. Zoccali, C. Walter, A. Baaj (Italy)
- SHORT VERSUS LONG STABILIZATION IN THORACOLUMBAR BURST FRACTURE: A SYSTEMATIC REVIEW OF THE LITERATURE** 1906
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- 27. SPINAL DEGENERATIVE DISEASES**
- NEW CERVICAL SPINE SYNDROME (DUBAI SYNDROME) RELATED TO VITAMIN D DEFICIENCY** 1907
 M. Al-Jumaily, W. Auffermann (United Arab Emirates)
- ONE-YEAR RESULTS OF THE SINGLE CENTERSTUDY OF BILATERAL POSTERIOR LUMBAR INTERBODY FUSION BY PRE-CURVED PEEK RODS** 1908
 T. Kerimbayev, V. Aleinikov, Y. Urunbayev, Y. Kissayev, B. Yezhepekov (Kazakhstan)
- MINIMALLY INVASIVE SURGERY FOR STABILIZING THE LUMBAR SPINE IN DEGENERATIVE DISC DISEASES. SINGLE CENTER STUDY** 1909
 V. Aleinikov, T. Kerimbayev, Y. Urunbayev, Y. Kissayev, B. Yezhepekov (Kazakhstan)
- NANOFIBER MEMBRANES IN PREVENTION OF CICATRIZATION IN SPINAL PROCEDURES. NEW MATERIAL IN EXPERIMENTAL STUDY.** 1910
 J. Andrychowski, M. Frontczak-Baniewicz, T. Chmielewski, Z. Czernicki, T.A. Kowalewski (Poland)
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 E. Astarci, P. Fransen (Belgium)

- VIRTUAL CLINICAL DIAGNOSTIC SUPPORT SYSTEM OF DEGENERATIVE LUMBAR SPINAL STENOSIS** 1912
D. Asyutin, N.A. Konovalov, A.G. Nazarenko, A.M. Cherkashov, M.A. Martynova, A.I. Molodchenkov (Russia)
- SEGMENT ADJACENT DISEASE: FUSION O DEGENERATIVE DISEASE.** 1913
R. Burgos, A. Becerra, C. Duque (Colombia)
- RHBMP-2 INDUCED RADICULITIS IN TRANSFORAMINAL LUMBAR FUSION PATIENTS: RELATIONSHIP TO DOSE** 1914
A. Villavicencio, S. Burneikiene, S. Faes (USA)
- SEXUAL DISORDER IN LUMBAR SPINAL STENOSIS** 1915
C.H. Carvalho, A. Lampel, M. Lange, R. Oeckler (Germany)
- LONG TERM EFFECT ON ADJACENT SEGMENT MOTION AFTER POSTERIOR CERVICAL FORAMINOTOMY** 1916
T.G. Cho, Y.B. Kim, S.W. Park (Korea)
- INTERLAMINAR CONTRALATERAL APPROACH TO FAR-LATERAL LUMBAR DISC HERNIATIONS: TECHNIQUE ASSESSMENT AND COMPARISON WITH STANDARD APPROACHES. A RETROSPECTIVE STUDY** 1917
A. Di Rita, L. Mattei, L. Berra, A. Ampollini, R. Campanella, F. Motta, R. Parisotto, M. Pirovano, F. Portaluri, M. Egidi (Italy)
- SPONTANEOUS REGRESSION OF SEQUESTERED LUMBAR DISC HERNIATION: CASE REPORT** 1918
A.H. Duzkalir, S. Ozdogan, Y.E. Gergin, N. Tatarli, M. Tiryaki, H.T. Suslu, T. Hicdonmez (Turkey)
- THORACIC DISC HERNIATION MIMICKING SPINAL MASS LESION** 1919
A.H. Duzkalir, S. Ozdogan, Y.E. Gergin, O. Senol, M. Tiryaki, N. Tatarli, H.T. Suslu, T. Hicdonmez (Turkey)

- OCCULT DISC PROTRUSION SLITTING THE DURA WITH SECONDARY HERNIATION OF THE SPINAL CORD** 1920
C. Ulrich, J. Fichtner, C. Fung, P. Schucht, W. Z'Graggen, A. Raabe, J. Beck (Switzerland)
- PRIMARILY OCCULT MICRO-DISC SPURS AS A TREATABLE CAUSE IN 'SPONTANEOUS' INTRACRANIAL HYPOTENSION.** 1921
C. Ulrich, J. Fichtner, C. Fung, P. Schucht, W. Z'Graggen, A. Raabe, J. Beck (Switzerland)
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N. Francaviglia, F. Meli, A. Odierna Contino, B. Lo Duca, F. Ascanio, V. Fiorenza (Italy)
- A MINIMALLY INVASIVE APPROACH TO MANAGING CENTRAL AND LATERAL RECESS LUMBAR STENOSIS IN THE ELDERLY PATIENT: INTERSPINOUS LUMBAR INTERBODY FUSION (ILIF)** 1923
J. Hamilton, J. Boddu, J. Rostron, A.D. Danison (USA)
- MANAGEMENT OF DEGENERATIVE DISC DISEASE OF THE LUMBAR SPINE BY DIRECT LATERAL FUSION IN PATIENTS WITH RELATIVE CONTRAINDICATIONS** 1924
J. Hamilton, J. Rostron, J. Boddu, A.P. Danison (USA)
- FIRST EXPERIENCE OF TRANSPLANTATION OF AUTOLOGOUS CHONDROCYTES TO PATIENTS INTERVERTEBRAL DISCS AFTER LUMBAR MICRODISCECTOMY** 1925
E.G. Pedachenko, K.I. Horbatiuk, M.V. Khyznyak, Y.E. Pedachenko, V.A. Shablyi (Ukraine)
- THE OUTCOME OF FOOT DROP CAUSED BY LUMBAR DEGENERATIVE DISEASES: DOES THE TIMING OF THE SURGERY AFFECT THE POSTOPERATIVE OUTCOME?** 1926
Y. Ishikawa, S. Imagama, Z. Ito, K.E.I. Ando, T. Kanemura, F. Kato, Y. Yukawa, N. Ishiguro (Japan)

- THORACIC KYPHOTIC DEFORMITY STAGED CORRECTION IN SEVERE OSTEOPOROTIC PATIENTS - SURGICAL TECHNIQUE, CLINICAL AND RADIOGRAPHIC RESULTS** 1927
R. Kaiser, E. Behrbalk, O. Uri, M. Rickert, K. Starantzis, A. Brodie, B. Boszczyk (United Kingdom)
- EFFECTIVENESS OF LUMBAR DORSAL ROOT GANGLION DIAGNOSTIC RADIOFREQUENCY SENSORY STIMULATION IN MULTIPLE LUMBAR STENOSIS: MINIMUM 2 YEAR FOLLOW-UP** 1928
S. Kang, J. Yang, Y. Cho, T. Cho (Korea)
- SPINAL DECOMPRESSION USING NEW DEVICE: DREAL** 1929
H. Kaptan (Turkey)
- HEAVY STRICTURES THORACIC-LUMBAR SPINAL CORD.METHODS AND SURGICAL TREATMENT** 1930
A. Karakouti, V. Moraitis, D. Koutentakis, D. Arvanitakis (Greece)
- SURGICAL RESULT OF CERVICAL ANTERIOR FUSION USING HYBRID CAGE SYSTEM** 1931
G. Kusaka, T. Ymaguro, M. Ikota, Y. Fujiwara, N. Soma, A. Ebihara, M. Ishikawa, Y. Tanaka (Japan)
- SHORT TERM HOSPITAL STAY IN A PROSPECTIVE SPINAL SURGICAL SERIES OF 657 CONSECUTIVE PATIENTS** 1932
J. Lourido (Spain)
- DIAGNOSIS OF INTERMITTENT NEUROGENIC CLAUDICATION AND PREDICTING CLINICAL OUTCOME PREOPERATIVE USING MR IMAGING STUDIES** 1933
W. Moojen, W. Peul (The Netherlands)
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O. Morales, J.C. Ribas, D. Rodriguez, H. Santana (Spain)

- THORACIC DISCECTOMY BY POSTERIOR PEDICLE-SPARING, TRANS-FACET APPROACH WITH REAL-TIME INTRA-OPERATIVE ULTRASONOGRAPHY** 1935
Y. Nishimura, N. Thani, M. Hara, S. Haimoto, Y. Yamamoto, T. Wakabayashi, H. Ginsberg (Japan)
- CLINICAL IMPACT OF THE SAGITTAL SPINOPELVIC PARAMETERS ON DISC DEGENERATION IN YOUNG ADULTS** 1936
Y. Oh, J. Eun (Korea)
- A MAGNETIC RESONANCE IMAGING ANALYSIS OF DEEP CERVICAL FLEXORS OF PATIENTS WITH OSSIFICATION OF THE POSTERIOR LONGITUDINAL LIGAMENT** 1937
S. Jeong, J. Eung, Y. Oh, D. Kim (Korea)
- EFFECTIVENESS AND SAFETY OF ANNULUS FIBROSUS PROSTHESIS AFTER LUMBAR MICRODISCECTOMY** 1938
D. Papegeorgiou, V. Kontojannis, K. Karagianni, P. Filias, I. Mavridis, C. Mantas, K. Vlachos (Greece)
- CAUDA EQUINA SYNDROME DUE TO TENSION PNEUMORACHIS ASSOCIATED WITH INCIDENTAL DUROTOMY DURING LUMBAR DISC SURGERY** 1939
A. Rovlias, S. Theodoropoulos, D. Papoutsakis, M. Siakavella, K. Gouliopoulou (Greece)
- FACING THE LUMBAR SPINAL STENOSIS IN THE ELDERLY** 1940
N. Syrmos, N. Haftouras, V. Sanidas (Greece)
- ASSESSMENT OF PERIPHERAL MONOCYTTIC ACTIVATION IN PATIENTS WITH LUMBAR SPINAL COMPRESSION SYNDROME** 1941
J.H. Tapia Pérez, A. Reinhold, E. Kirches, J. Berels, R. Rupa, J. Klein, B. Voellger, B. Joellenbeck, C. Mawrin, R. Firsching (Germany)

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- THE SUNKEN ISLAND FLAP - A NOVEL TECHNIQUE IN JOINT PLASTIC/NEUROSURGICAL MANAGEMENT OF SPINAL WOUND DEHISCENCE**
B. Thakur, S. Mukherjee, C. Naveen, C. Toliaas (United Kingdom) 1942
- VIRTUAL CLINICAL DIAGNOSTIC SUPPORT SYSTEM OF DEGENERATIVE LUMBAR SPINAL STENOSIS**
I.N. Shevelev, N.A. Konovalov, A.G. Nazarenko, A.M. Cherkashov, M.A. Martynova, D.S. Asyutin (Russia) 1943
- O-ARM AND NAVIGATION SYSTEM USAGE IN SPINAL SURGERY**
N.A. Konovalov, A.G. Nazarenko, D.S. Asyutin, R.A. Onoprienko, V.A. Korolishin, B.A. Zakirov, S. Timonin, A.V. Kosyrkova, V.M. Starchenko, M.A. Martynova (Russia) 1944
- MINIMALLY INVASIVE ACCESS APPROACH FOR LUMBAR DISC HERNIATIONS VIA TUBULAR SYSTEM (METRX)**
E. Toeroek, J. Gempt, Y.M. Ryang, F. Ringel, B. Meyer (Germany) 1945
- CONTRALATERAL MIS APPROACH TO SYNOVIAL CYST IN LUMBAR SPINE. A SERIE OF 3 CASES AND REVIEW OF THE LITERATURE**
J. Torres Campa, L. Meana, M.A. Alvarez-vega (Spain) 1946
- ANNULUS FIBROSUS RECONSTRUCTION IN THE TREATMENT OF LUMBAR DISK HERNIATION. INITIAL EXPERIENCE**
N. Gabrovsky, M. Laleva, N. Velinov, S. Gabrovsky (Bulgaria) 1947
- LEPTIN SIGNIFICANCE IN PATIENTS WITH HERNIATED INTRAVERTEBRAL DISC**
K. Vlachos, K. Venetsanou, D. Papageorgiou, V. Kontojannis, P. Filias, K. Karagianni, L. Roussos (Greece) 1948

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- IS MINIMALLY INVASIVE ANTEROLATERAL LUMBAR INTERBODY FUSION SUITABLE TO CONTROL SAGITTAL BALANCE IN DEGENERATIVE LUMBAR DEFORMITY? A REVIEW OF THE LITERATURE**
C. Zoccali, C. Walter, A. Baaj (Italy) 1949
- POSITIVE SAGITTAL BALANCE CORRECTION USING ALIF AND TDR MOTION PRESERVATION HYBRID CONSTRUCT WITHOUT POSTERIOR FIXATION-RADIOGRAPHIC RESULTS**
R. Kaiser, E. Behrbalk, P. Rehusek, M. Konig, B. Boszczyk (United Kingdom) 1950
- FUSION AND SUBSIDENCE RATE OF STAND ALONE ANTERIOR LUMBAR INTERBODY FUSION USING PEEK CAGE WITH RECOMBINANT HUMAN BONE MORPHOGENETIC PROTEIN-2**
R. Kaiser, E. Behrbalk, O. Uri, R. Parks, R. Musson, S. Reuben, B. Boszczyk (United Kingdom) 1951
- 28. CERVICAL SPINE**
- CLINICAL EVALUATION OF SPINE MOVEMENTS FOLLOWING CERVICAL ARTHROPLASTY USING A MONOBLOCK DISC IMPLANT**
C. Alvarez, R. Rodriguez, C. Pacussich (Peru) 1952
- OUTCOME OF LAMINOFORAMINOTOMY FOR UNILATERAL CERVICAL RADICULOPATHY**
M. Barakat (Egypt) 1953
- SPONTANEOUS CERVICAL EPIDURAL HAEMATOMA WITH HEMIPARESIS MIMICKING CEREBRAL STROKE**
R. Basaran, M. Tiryaki, A. Karakoc, S. Aydin, M. Efendioglu (Turkey) 1954

- MOBILE TOTAL DISC REPLACEMENT PROSTHESIS MOBI-C, OUR EXPERIENCE. RESULTS OF THE STUDY WITH FIVE YEARS FOLLOW-UP** 1955
D. Bludovsky, D. Stepanek, S. Zidek (Czech Republic)
- CERVICAL NEURAL FORAMINAL AREA AND UNCINATE PROCESS WITH ITS EMBRIOLOGICAL AND ANATOMICAL DEVELOPMENT IN ASSOCIATION TO CLINICAL RELATIONS** 1956
R. Brohi, Y. Caglar, I. Dogan (Turkey)
- STRATEGIES OF ADJACENT SEGMENT DEGENERATION AFTER ANTERIOR CERVICAL INTERBODY FUSION** 1957
K. Cho, S.B. Lee, T.Y. Won, D.S. Yoo, T.G. Lee, P.W. Huh (Korea)
- PROTON MRS MEASUREMENTS IN CERVICAL SPINAL CORD PREDICT FUNCTIONAL RECOVERY AFTER DECOMPRESSIVE SURGERY IN CERVICAL SPONDYLOTIC MYELOPATHY** 1958
S. CRACIUNAS, M. Gorgan, C. Cirstea (Romania)
- MEASUREMENT OF ANTERIOR ATLANTODENTAL INTERVAL ON ADULTS WITH COMPUTERIZED TOMOGRAPHY** 1959
A.H. Duzkalir, S. Ozdogan, Y.E. Gergin, S.O. Aydin, M. Tiryaki, N. Tatarli, H.T. Suslu, T. Hicdonmez (Turkey)
- MEASUREMENT OF LOWER CERVICAL REGION DISC HEIGHTS AND CLINICAL USAGE** 1960
A.H. Duzkalir, S. Ozdogan, Y.E. Gergin, S.O. Aydin, M. Tiryaki, N. Tatarli, H.T. Suslu, T. Hicdonmez (Turkey)
- PRESYMPTOMATIC CERVICAL MYELOPATHY: A DECISION MAKING FLOW CHART FOR UNCLEAR MYELOPATHY CASES** 1961
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- ATLAS ANATOMY AS RELEVANT TO OPTIMAL PLACEMENT OF TRANS-PEDICULAR FIXATION** 1962
T. Gupta, S. Gupta (India)
- CLINICAL AND RADIOLOGICAL OUTCOMES AFTER TWO-LEVEL FUSION AND TWO-LEVEL DISC ARTHROPLASTY IN CERVICAL SPINE: A RETROSPECTIVE STUDY** 1963
K. Deshpande, E. Park, G. Choi, S. Lee, S. Lee
- A NEW FIXATION TECHNIQUE FOR FRENCH DOOR CERVICAL LAMINOPLASTY** 1964
R. Kaiser, A.R. Perez, S. Mehdian (UK)
- DEVELOPMENT OF FUSION AFTER CERVICAL DISC ARTHROPLASTY: RETROSPECTIVE CLINICAL STUDY** 1965
T. Kuytu, Z. Yasar, K. Tureyen (Turkey)
- MULTI-LEVEL STAND-ALONE ACDF HAS REDUCED OPERATIVE TIME COMPARED WITH ALLOGRAFT AND PLATE** 1966
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C.H. Lee, S.D. Kim, H.Y. Kim (Korea)
- ROTATIONAL VERTEBRAL ARTERY OCCLUSION SYNDROME: MISNOMERS AND CLASSIFICATION** 1968
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- RELATIONSHIP BETWEEN CERVICAL SAGITTAL ALIGNMENT AND QUALITY OF LIFE IN ANKYLOSING SPONDYLITIS** 1969
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 J. Lee, J. Shin, T. Goh (Korea)
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 J. Lee, J. Shin, T. Goh (Korea)
- IS IT POSSIBLE TO EVALUATE THE PARAMETERS OF CERVICAL SAGITTAL ALIGNMENT ON CERVICAL CT SCANS?** 1972
 J. Oh, H. Jun (Korea)
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 R. Opsenak, B. Kolarovszki, J. Sutovsky, M. Bencko (Slovakia)
- EVOLUTION FROM MICROSCOPIC TO ENDOSCOPIC ODONTOIDECTOMY** 1974
 A. Perdomo Pantoja, J. Barges Coll, A. Ortega Porcayo, N. Arriada Mendicoa, J.L. Gómez Amador (Mexico)
- MULTIMODAL INTRAOPERATIVE NEUROPHYSIOLOGICAL MONITORING DURING POSITIONING OF PATIENT IN CERVICAL SPINE SURGERY** 1975
 J. Plata, P. Perez-Loresu, L. Brage, V. Rocha, V. Hernández-Hernández, V. García-Marin (Spain)
- POSTERIOR ATLANTO-AXIAL STABILIZATION USING LAMINAR HOOKS: EXPERIENCE OF 20 CASES** 1976
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 M. Rynkowski, S. Schuind, H.B. Pouleau, A. Devalckeneer, R. Kamouni, F. Schoovaerts, M. Bruneau (Belgium)
- CLINICAL AND RADIOLOGICAL OUTCOME FOLLOWING ANTERIOR CERVICAL DISCECTOMY AND FUSION WITH STAND-ALONE EMPTY PECK CAGES** 1979
 E. Shiban, K. Kapon, H. Pape, M. Wostrack, B. Meyer, J. Lehmborg (Germany)
- ANTERIOR CERVICAL INTERBODY FUSION WITH ALLOGRAFT IN TREATMENT OF SEGMENTAL CERVICAL SPONDYLOSIS. PRELIMINARY RESULTS OF THE SURGICAL OUTCOME.** 1980
 G. Lakicevic, B. Splavski, M. Bosnjak, N. Eskinja, Z. Brekalo, A. Kvesic (Croatia)
- ACCURACY AND OUTCOMES OF POSTERIOR CERVICAL FUSION CT GUIDED AND ASSISTED BY SPINAL NAVIGATION** 1981
 M. Tardáguila Serrano, F. Gonçalves Ramirez, J.L. Muñoz Aguiar, S. Colet Esquerre, J. Manuel-Rimbau Muñoz, R. Florensa Brichs (Spain)
- CERVICAL ARTHROPLASTY VERSUS FUSION IN DEGENERATIVE DISC DISEASES(CLINICAL OUTCOMES 5 YEARS AFTER THE SURGERY)** 1982
 M. Vojisic, G. Bunc, J. Ravnik, T. Strojnik (Slovenia)
- LONG TERM FOLLOW-UP OF DISCOVER TOTAL CERVICAL DISC REPLACEMENT IN SURGICAL TREATMENT OF A SINGLE LEVEL CERVICAL DISC DISEASE** 1983
 M. Vukic, M. Rozankovic, S.M. Marasanov, V. Lupret (Croatia)

- RADIOLOGICAL ASSESSMENT AFTER ANTERIOR APPROACH FOR CERVICAL OPLL** 1984
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- OUTCOMES IN POSTERIOR CERVICAL FORAMINOTOMY - A MULTIVARIATE ANALYSIS** 1985
A. Zammit, E. Abasher, N. Patel, S. Alsanjari, S. Hassan, M. Papadopoulos (United Kingdom)
- 29. LUMBAR SPINE: PAIN, INSTABILITY AND STABILIZATION**
- ONE-YEAR RESULTS OF THE SINGLE CENTER STUDY OF BILATERAL POSTERIOR LUMBAR INTERBODY FUSION BY PRE-CURVED PEEK RODS VERSUS BILATERAL POSTERIOR LUMBAR INTERBODY FUSION BY TITANIUM RODS.** 1986
V. Aleinikov, T. Kerimbayev, Y. Urunbayev, Y. Kissayev, B. Yerezhpekov (Kazakhstan)
- COMPARISON OF CONVENTIONAL VERSUS MINIMAL INVASIVE TECHNIQUES FOR SINGLE LEVEL PRIMARY LUMBAR INTERBODY FUSION** 1987
G. Anagnostopoulos, J. George (United Kingdom)
- REMOTE CEREBRAL AND CEREBELLAR HEMORRHAGE AS A RARE COMPLICATION OF SPINAL SURGERY** 1988
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- FUSION RATES OF INTERVERTEBRAL POLYETHERETHERKETONE AND TITAN CAGES WITHOUT BONE GRAFTING IN POSTERIOR INTERBODY LUMBAR FUSION SURGERY FOR DEGENERATIVE LUMBAR INSTABILITY** 1989
K. Buchholz, M. Czabanka, O. Suess, J. Woitzik, T. Kombos, P. Vajkoczy (Germany)

- INFLUENCE OF PRIOR LUMBOSACRAL SURGERY ON THE INCIDENCE OF INTRAVASCULAR INJECTION DURING TRANSFORAMINAL EPIDURAL INJECTIONS** 1990
A. Duzkalir, H. Suslu, H.T. Suslu, N. Tatarli, S. Ozdogan, B. Guclu, D. Ceylan (Turkey)
- THE MORPHOMETRIC ANALYSE OF THORACOLOMBAR JUNCTION PEDICLE DIAMETERS ON DIFFERENT ADULT AGE GROUPS** 1991
A.H. Duzkalir, S. Ozdogan, Y.E. Gergin, B. Kendirlioglu, M. Tiryaki, H.T. Tatarli, H.T. Suslu, T. Hicdonmez (Turkey)
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- MICROSURGICAL DECOMPRESSION WITH COFLEX INTERSPINOUS DYNAMIC STABILIZATION FOR TREATING LUMBAR DEGENERATIVE STENOSIS** 1993
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- POSTOPERATIVE INSTABILITY AFTER SURGERY FOR LUMBAR SPINAL STENOSIS** 1994
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- MANAGEMENT OF NON-TRAUMATIC INTRADURAL SPINAL HEMATOMA AFTER ANTI-COAGULANT THERAPY: CASE REPORT AND REVIEW OF LITERATURE** 1995
A. Gurcay, O. Gurcan, A. Kazanci, T. Goker, O. Turkoglu, M. Bavbek (Turkey)
- INVESTIGATION INTO CHARACTERISTIC OF NEUROLOGICAL DEFICITS AFTER OSTEOPOROTIC VERTEBRAL FRACTURES** 1996
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- MINIMALLY INVASIVE SURGICAL TREATMENTS USING POLY/METHYLMETHACRYLATE FOR NEUROLOGICAL DEFICITS AFTER OSTEOPOROTIC VERTEBRAL FRACTURES** 1997
Y. Hijikata (Japan)
- A CASE OF AN INTERESTING COMPLICATION ON A LUMBAR SPINE ARTHRODESE** 1998
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- BONE CHIPS VERSUS PEEK-CAGE FOR LUMBAR INTERBODY FUSION IN LUMBAR DEGENERATIVE SPONDYLOLISTHESIS** 1999
S. Koehler, C. Stetter, R.I. Ernestus, T. Westermaier (Germany)
- CORRELATIONS BETWEEN SAGITTAL SPINAL BALANCE AND CLINICAL OUTCOMES IN RHEUMATOID ARTHRITIS** 2000
J. Lee, J. Shin, T. Goh (Korea)
- TRANSARTICULAR FACET FIXATION IN THE TREATMENT OF SYNOVIAL CYSTS OF THE LUMBAR SPINE** 2001
W. Libionka, M. Woznica, S. Adamski, K. Dziegiel, W. Kloc (Poland)
- DOCUMENTATION OF FOCAL NEUROLOGY IN PATIENTS WITH SUSPECTED CAUDA EQUINA SYNDROME AND THE DEVELOPMENT OF AN ASSESSMENT PROFORMA** 2002
N.J. Mehta, D. Garbera, J. Kaye, M. Ramakrishnan (United Kingdom)
- POSTERIOR DYNAMIC STABILIZATION IN THE TREATMENT OF LUMBAR DEGENERATIVE DISC DISEASE** 2003
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- CLINICAL RESULTS IN FAR LATERAL DISC HERNIA ON WHICH EXTRAFORAMINAL SURGICAL APPROACH HAS BEEN APPLIED** 2004
A. Ozdilmac, H. Cavusoglu, O.N. Turkmenoglu, A. Yilmaz, A.M. Musluman, S.M. Can, Y. Aydin (Turkey)

- MICROSURGICAL SUBARTICULAR FENESTRATION FOR LUMBAR LATERAL RECESS SYNDROME** 2005
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- IS HYDRONEPHROSIS A COMPLICATIONS AFTER ANTERIOR LUMBAR INTERBODY FUSION?** 2006
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- TRUFUSE LUMBAR FACET JOINT FUSION: OUR EXPERIENCE FROM A MINIMALLY INVASIVE FUSION TECHNIQUE** 2007
A. Rovlias, S. Theodoropoulos, J. Spanos, M. Siakavella, D. Papoutsakis, K. Gouliopoulou (Greece)
- THE EFFECT OF ALENDRONATE ON SUBSIDENCE AFTER LATERAL TRANSPOAS INTERBODY FUSION (LLIF): A PRELIMINARY REPORT** 2008
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- CORRECTION OF DEGENERATIVE STENOSIS AND SEGMENTAL INSTABILITY USING INTERSPINOUS DYNAMIC IMPLANT COFLEX** 2009
A.A. Shatokhin, G.A. Asaturyan, A.V. Shatokhin (Russia)
- LUMBOPELVIC SAGITTAL ALIGNMENT FOLLOWING TRANSFORAMINAL LUMBAR INTERBODY FUSION (TLIF) AND POSTERIOR LUMBAR INTERBODY FUSION (PLIF): IMPLICATION FOR THE DEVELOPMENT OF POSTOPERATIVE SACROILIAC JOINT PAIN** 2010
M.H. Shin, T.K. Kim, H.J. Lee (Korea)
- POSTOPERATIVE RADIOLOGICAL EVALUATION OF LUMBOSACRAL SPINE FOR SEGMENTAL INSTABILITY** 2011
R. Skomorac, A. Jusic, H. Beculic, F. Alic (Bosnia and Herzegovina)

- THE EFFECT OF PROPHYLACTIC SPINAL DEPRESSION AND INSTRUMENTATION ONTO SURGICAL OUTCOME OF POTT DISEASE. A 6-CASE SERIES** 2012
B. Splavski, G. Lakicevic, M. Kovacevic, D. Muzevic, I. Soldo, G. Blagus (Croatia)
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C. Botella Campos, A. Ibañez de Opacua, J. Manuel-Rimbau, C.J. Domínguez, J. Muñoz, T. Tardáguila Serrano (Spain)
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G. Anichini, R. Vashu, M. Iqbal, L. Clark, M. Smith, A. Forster, P. Bhatt (United Kingdom)
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M. Basamh, A. Alturki, R. Turcotte, A. Nahal, P. Jarzem (Saudi Arabia)
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G. Hadjigeorgiou, G. Markogiannakis, Y. Mylonakis, G. Psilovassilopoulos, V. Varsos (Greece)
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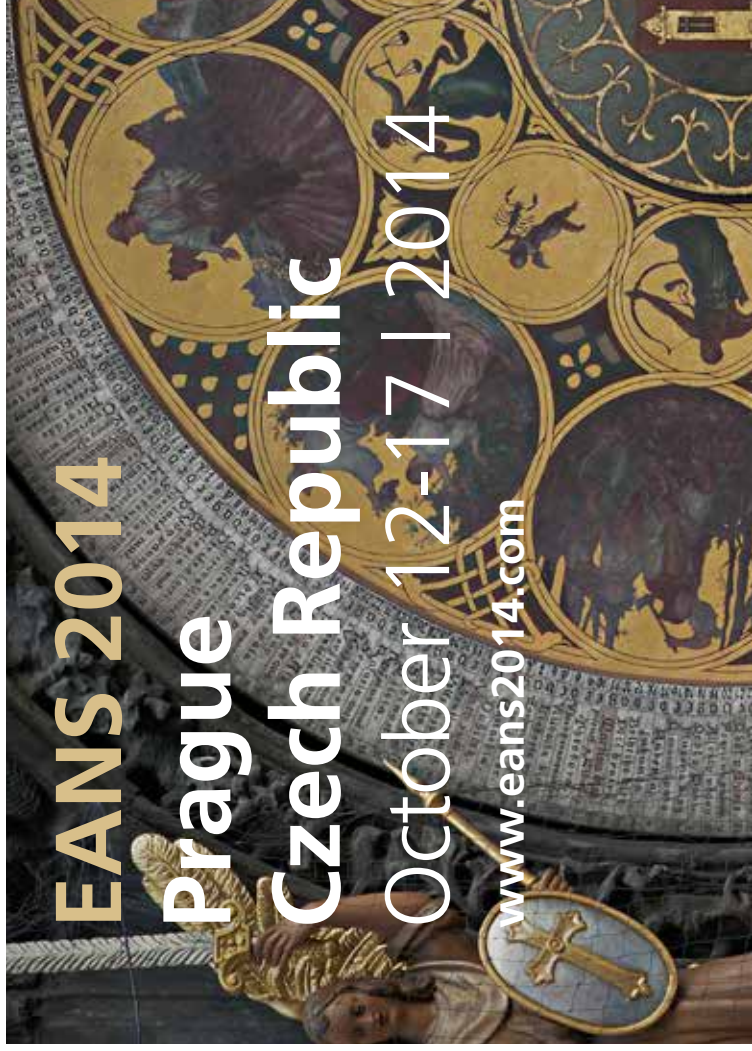
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Caqli, S.	1,334	Cavandoli, C.	605, 2,100	Chiocca, E.A.	237	Ciurea, V.	334	De Paula, D.	977
Cañil, D.	712	Cavosoglu, H.	2,004, 2,075, 721	Chirca, Y.L.	2,115	Cladellas Ponsa, J.M.	1,364	de Quintana-Schmidt, C.	332
Cai, L.N.	966, 1,395	Cecen, A.	1,297, 1,798	Chirchula, M.	1,605	Clark, J.W.	1,649	De Renzis, C.	528, 1,701
Caire, F.	748, 1,260	Cechakova, E.V.A.	1,374	Chluchala, M.	1,603	Clark, L.	2,031, 2,018	de Tribolet, N.	500
Cajot, J.C.	1,868	Cee, J.	2,063	Chmelitskiy, G.	1,385	Claus, Z.	1,203, 2,018	de Vries, J.	1,038
Calik, V.	1,709	Certo, F.	1,358, 1,700	Chmielewski, T.	1,91	Claus, Z.	1,203, 2,018	De Wit Hamer, P.	1,324
Calamio Specchia, F.M.	1,363, 1,496	Cevoli, S.	1,61	Chn, B.	1,667	Cloft, H.J.	1,025	De Witte, O.	1,448, 1,868
Calbucci, F.	93, 479, 1,003, 1,005, 1,610	Ceylan, D.	1,682, 1,990	Cho, B.	1,667	Clob, H.J.	810	Debove, I.	2,095
Caldarelli, M.	1,604, 1,606	Chachana, K.	1,34	Cho, B.M.	1,748	Coban, G.	1,203, 2,018	Deepak, G.	642, 642, 642
Calogero, A.	691	Chalfi, D.J.	183	Cho, C.B.	1,784	Coban, G.	604, 1,293, 1,838	Dehais, C.	1,302
Caltabiano, R.	1,358	Chandler, H.	1,307	Cho, C.	2,088, 2,132	Coban, G.	604, 1,293, 1,838	Dehdashti, A.	1
Calvo, M.	2,058	Chang, C.	1,735, 2,195	Cho, K.	1,882, 1,957, 2,182	Cognard, C.	435	Dehdashti, A.R.	183, 302, 928, 1,063
Campanella, R.	1,917, 1,992	Chang, I.B.	1,748	Cho, S.	1,288, 1,872, 1,873	Coert, B.A.	575, 1,731	Del Bene, M.	1,266, 1,415
Can, S.M.	2,004, 2,075	Chang, W.C.	305	Cho, S.	1,288, 1,872, 1,873	Columann, H.R.	836, 838, 1,104	Del Maestro, M.	977
Canaz, H.	1,580, 1,581, 2,026	Chanku, U.	1,354	Cho, T.	1,928	Collet Esquerre, S.	1,981	Del Pozo, J.M.	2,058, 2,152
CANBEK, I.	2,111, 1,300	Chapelon, J.Y.	1,302	Cho, T.G.	1,916	Colicchio, G.	2,084	Del Vecchio, F.	2,082
Cambulat, N.	2,003	Charalampaki, P.	692	Cho, Y.	1,248, 1,518, 1,928	Collins, J.E.C.	694	Delattre, J.Y.	2,082
Canitrot, M.	1,803, 1,850, 1,851	Charbel, F.	1,039, 1,208, 1,437, 1,537	Chobulov, S.	1,821	Collins, J.E.C.	694	Dell'Abate, A.	1,717
Canney, M.	1,302	Charbel, F.	202	Choi, G.	1,963	Colombi, G.	459, 1,809	Delfini, R.	495, 504, 741, 744, 854, 859, 2,044, 1,703, 2,027
Capek, S.	2,112	Charbel, F.T.	103, 274	Choi, S.a.	2,176	Colomina Valverde, G.	1,458	Della Pepa, G.m.	1,727, 1,728
Capelle, L.	238, 1,302	Charat, A.	1,209, 1,804	Choi, Y.S.	2,102, 2,089	Confortin, G.	1,717	Delye, H.	1,465
Capozzi, D.	1,572	Charvat, F.	564, 1,783	Chomolyak, Y.	1,277, 2,105	Conford, G.	1,717	Dani, Z.	1,355
Cappabianca, P.	111, 115, 338, 1,504	Chatzidakis, E.	160, 1,335, 1,471, 1,472, 1,482	Chopko, B.W.	1,391, 1,649, 1,693	Conroy, D.	1,213, 1,360	D'Andrea, G.	1,362
		Christina, J.	1,211, 1,608, 2,090	Chovanec, M.	209, 564, 1,567	Conrad, J.	1,458	D'Andrea, G.	1,362
		Chrenko, R.	1,655	Christina, J.	1,211, 1,608, 2,090	Constantini, S.	34, 129, 418, 1,059	D'Andrea, G.	1,362
		Chechinon, V.	1,275, 1,902	Chrenko, R.	1,655	Conti, A.	528, 1,701	D'Andrea, G.	1,362
		Chen, H.	1,671	Chry, Y.	1,395	Conti, C.	1,583, 1,861, 2,116	D'Andrea, G.	1,362
		Chen, K.	1,893	Chudy, D.	1,352, 1,766	Convery, F.	1,213, 1,360	D'Andrea, G.	1,362
		Chen, K.T.	230, 2,128, 2,175	Chumakov, P.M.	1,406	Cordella, R.	1,355	D'Andrea, G.	1,362

NAME	PRESENTATION N°	NAME	PRESENTATION N°	NAME	PRESENTATION N°	NAME	PRESENTATION N°	NAME	PRESENTATION N°	NAME	PRESENTATION N°
Demchenko, E.	1.901	Doenitz, C.	1.369	Ecklund, J.M.	24, 43, 368, 461, 462	Epton, S.	1.422	Fabian, M.	783	Fierstra, J.	203, 994
Demeter, B.	465	Dogan, I.	1.438	Efendioglu, M.	1.297, 1.492, 1.571, 1.798, 1.879, 1.954, 1.988, 2.022, 2.023, 2.130, 2.131	Ercog, G.	1.351	Faccioli, F.	610	Filatov, M.V.	1.414
Demetriades, A.	74	Dolas, I.	1.729, 1.956, 2.158	Egamberdev, R.	1.303, 1.303	Ereogovic, Z.	1.994	Fadeyeva, T.N.	1.413, 1.414	Filatov, Y.M.	739
Demir, O.	1.120	Dolgoplova, R.	2.065	Egdi, M.	1.295, 1.303, 1.303	Erdogan, S.	2.202, 2.203	Egner, J.	1.619	Filippini, A.	1.415
Demircan, M.N.	1.68	domenicucci, M.	1.218, 1.883, 1.884, 1.894, 1.895	Eickele, L.	1.917, 1.992	Erdogan, U.	2.141, 2.164	Eisenberg, R.	1.914	Fimognari, A.M.	1.408
Deng, K.X.	1.874	Domingues, J.	1.747	Eider, P.	1.285	Erguvan-Onal, R.	1.831	Eler, E.	1.708	Finet, P.	747
Dengler, B.	1.217, 1.853, 2.134, 2.135, 2.136	Dominguez, J.	1.738	El Aghamry, H.	1.993, 2.067, 2.068, 2.069	Ermete, M.	1.342	Elenwoke, N.	2.043	Finger, T.	1.214, 1.629
Deniz, F.	1.808	Dom nguez, C.J.	2.013	Elava, S.H.	739	Ertan, Y.	1.334	Elhanan, A.	1.304, 1.631	Fintisis, S.	1.505
Dennis, M.	1.308	Donatt, A.L.F.	2.082	Eliseva, N.	1.402	Eseoglu, M.	2.203	Elhadi, H.	1.462	Fiorucci, G.	1.512
Deriggi, D.J.P.	2.029	Dong-Hyuk, P.	1.261, 1.690	Elshaykh, H.	1.509, 1.510	Ertan, Y.	1.382, 1.999	Elshaykh, H.	1.462	Firsching, R.	511, 1.941
Derkowi, K.	1.417	Donnarumma, P.	2.044	Elshaykh, H.	1.509, 1.510	Ernestus, R.I.	1.357, 778	Elshaykh, H.	1.462	Flannery, T.	1.213, 1.360, 1.486
Dervishi MD, E.	1.49	Dorochev, P.	1.525	Elshaykh, H.	1.509, 1.510	Ertan, Y.	1.382, 1.999	Elshaykh, H.	1.462	Florea, S.M.	1.431, 1.616
Deshmukh, P.	1.253, 1.639	Droese, D.	1.44	Elshaykh, H.	1.509, 1.510	Ertan, Y.	1.382, 1.999	Elshaykh, H.	1.462	Florencia Brichs, R.	1.981
Deshpande, K.	1.963	Drummond, K.	710, 775, 781, 1.401	Elshaykh, H.	1.509, 1.510	Ertan, Y.	1.382, 1.999	Elshaykh, H.	1.462	Florensia Brichs, R.	1.981
Desnicka, A.	1.255, 2.085	Ducati, A.	1.363, 1.496, 1.526, 1.563, 1.704, 2.077	Elshaykh, H.	1.509, 1.510	Ertan, Y.	1.382, 1.999	Elshaykh, H.	1.462	Floyd, J.	264, 736, 857
Desse, N.	748, 1.260	Duerinck, J.	1.160	Elshaykh, H.	1.509, 1.510	Ertan, Y.	1.382, 1.999	Elshaykh, H.	1.462	Floyd, J.	264, 736, 857
Destrieux, C.	1.49, 442, 695, 959	Duffau, H.	238, 283, 308, 706, 709, 1.201, 1.397	Elshaykh, H.	1.509, 1.510	Ertan, Y.	1.382, 1.999	Elshaykh, H.	1.462	Fornichev, D.	510
Devaktkeneer, A.	1.978	Dugoni, D.	1.218, 1.703, 1.883, 1.884, 1.894, 1.895, 2.027	Elshaykh, H.	1.509, 1.510	Ertan, Y.	1.382, 1.999	Elshaykh, H.	1.462	Fornichev, D.V.	1.515, 1.516, 1.517
Devalkeneer, A.	1.868	Dumonot, C.	756, 1.223, 1.301, 2.201	Elshaykh, H.	1.509, 1.510	Ertan, Y.	1.382, 1.999	Elshaykh, H.	1.462	Fonkem, E.	1.391
Devaux, B.	238	Duncan, J.	772	Elshaykh, H.	1.509, 1.510	Ertan, Y.	1.382, 1.999	Elshaykh, H.	1.462	Fonkem, E.	1.391
Dezamis, E.	238	Dunz, J.	1.118, 1.119, 1.159, 1.160	Elshaykh, H.	1.509, 1.510	Ertan, Y.	1.382, 1.999	Elshaykh, H.	1.462	Fonkem, E.	1.391
D'haens, J.	513	Duray, M.C.	1.495	Elshaykh, H.	1.509, 1.510	Ertan, Y.	1.382, 1.999	Elshaykh, H.	1.462	Fonkem, E.	1.391
Dhasee, J.	1.621	Duras, K.	1.73	Elshaykh, H.	1.509, 1.510	Ertan, Y.	1.382, 1.999	Elshaykh, H.	1.462	Fonkem, E.	1.391
Dhermain, F.	948	Duruosy, R.	1.334	Elshaykh, H.	1.509, 1.510	Ertan, Y.	1.382, 1.999	Elshaykh, H.	1.462	Fonkem, E.	1.391
di bartolomeo, A.	1.703	Duzkalir, A.	1.682, 1.990	Elshaykh, H.	1.509, 1.510	Ertan, Y.	1.382, 1.999	Elshaykh, H.	1.462	Fonkem, E.	1.391
Di Biase, F.	1.592	Duzkalir, A.H.	1.918, 1.919, 1.959, 1.960, 1.991, 2.114	Elshaykh, H.	1.509, 1.510	Ertan, Y.	1.382, 1.999	Elshaykh, H.	1.462	Fonkem, E.	1.391
Di Bonaventura, R.	2.084	Dziedric, T.	222, 485, 1.540	Elshaykh, H.	1.509, 1.510	Ertan, Y.	1.382, 1.999	Elshaykh, H.	1.462	Fonkem, E.	1.391
Di Cola, F.	977	Dziegiel, K.	1.381, 2.001, 2.091, 2.092, 2.204	Elshaykh, H.	1.509, 1.510	Ertan, Y.	1.382, 1.999	Elshaykh, H.	1.462	Fonkem, E.	1.391
Di Nuzzo, G.	296, 818, 1.508	Dzyak, L.	1.840, 1.899, 1.901, 2.197	Elshaykh, H.	1.509, 1.510	Ertan, Y.	1.382, 1.999	Elshaykh, H.	1.462	Fonkem, E.	1.391
Di Rita, A.	1.917, 1.992	Dzakar, H.	1.840, 1.899, 1.901, 2.197	Elshaykh, H.	1.509, 1.510	Ertan, Y.	1.382, 1.999	Elshaykh, H.	1.462	Fonkem, E.	1.391
Di Rocco, C.	1.606	Dzakar, H.	1.840, 1.899, 1.901, 2.197	Elshaykh, H.	1.509, 1.510	Ertan, Y.	1.382, 1.999	Elshaykh, H.	1.462	Fonkem, E.	1.391
Di Stefano, N.	619, 1.793	Dzakar, H.	1.840, 1.899, 1.901, 2.197	Elshaykh, H.	1.509, 1.510	Ertan, Y.	1.382, 1.999	Elshaykh, H.	1.462	Fonkem, E.	1.391
Dias, G.M.S.	1.772	Dzakar, H.	1.840, 1.899, 1.901, 2.197	Elshaykh, H.	1.509, 1.510	Ertan, Y.	1.382, 1.999	Elshaykh, H.	1.462	Fonkem, E.	1.391
Diehl, B.	772	Dzakar, H.	1.840, 1.899, 1.901, 2.197	Elshaykh, H.	1.509, 1.510	Ertan, Y.	1.382, 1.999	Elshaykh, H.	1.462	Fonkem, E.	1.391
Dikay, H.	2.141	Dzakar, H.	1.840, 1.899, 1.901, 2.197	Elshaykh, H.	1.509, 1.510	Ertan, Y.	1.382, 1.999	Elshaykh, H.	1.462	Fonkem, E.	1.391
Dildar a Dzaye, O.	1.417, 1.420	Dzakar, H.	1.840, 1.899, 1.901, 2.197	Elshaykh, H.	1.509, 1.510	Ertan, Y.	1.382, 1.999	Elshaykh, H.	1.462	Fonkem, E.	1.391
Dima, S.	1.713	Dzakar, H.	1.840, 1.899, 1.901, 2.197	Elshaykh, H.	1.509, 1.510	Ertan, Y.	1.382, 1.999	Elshaykh, H.	1.462	Fonkem, E.	1.391
Dimas, D.	1.493	Dzakar, H.	1.840, 1.899, 1.901, 2.197	Elshaykh, H.	1.509, 1.510	Ertan, Y.	1.382, 1.999	Elshaykh, H.	1.462	Fonkem, E.	1.391
DiMeo, F.	157, 444, 446, 1.136, 1.137, 1.286, 1.415, 1.449, 1.566	Dzakar, H.	1.840, 1.899, 1.901, 2.197	Elshaykh, H.	1.509, 1.510	Ertan, Y.	1.382, 1.999	Elshaykh, H.	1.462	Fonkem, E.	1.391
Dinc, C.	168	Dzakar, H.	1.840, 1.899, 1.901, 2.197	Elshaykh, H.	1.509, 1.510	Ertan, Y.	1.382, 1.999	Elshaykh, H.	1.462	Fonkem, E.	1.391
Dincer, C.	2.158	Dzakar, H.	1.840, 1.899, 1.901, 2.197	Elshaykh, H.	1.509, 1.510	Ertan, Y.	1.382, 1.999	Elshaykh, H.	1.462	Fonkem, E.	1.391
Dirks, P.	251, 797	Dzakar, H.	1.840, 1.899, 1.901, 2.197	Elshaykh, H.	1.509, 1.510	Ertan, Y.	1.382, 1.999	Elshaykh, H.	1.462	Fonkem, E.	1.391
Divren, C.	1.034, 1.036	Dzakar, H.	1.840, 1.899, 1.901, 2.197	Elshaykh, H.	1.509, 1.510	Ertan, Y.	1.382, 1.999	Elshaykh, H.	1.462	Fonkem, E.	1.391
Dizdarevic, K.	801, 1.688, 2.161	Dzakar, H.	1.840, 1.899, 1.901, 2.197	Elshaykh, H.	1.509, 1.510	Ertan, Y.	1.382, 1.999	Elshaykh, H.	1.462	Fonkem, E.	1.391
Djilvesi, D.	1.353	Dzakar, H.	1.840, 1.899, 1.901, 2.197	Elshaykh, H.	1.509, 1.510	Ertan, Y.	1.382, 1.999	Elshaykh, H.	1.462	Fonkem, E.	1.391
Dobrodumov, A.	1.39	Dzakar, H.	1.840, 1.899, 1.901, 2.197	Elshaykh, H.	1.509, 1.510	Ertan, Y.	1.382, 1.999	Elshaykh, H.	1.462	Fonkem, E.	1.391
Doczi, T.	529, 2.094, 880, 1.708, 1.739, 1.791	Dzakar, H.	1.840, 1.899, 1.901, 2.197	Elshaykh, H.	1.509, 1.510	Ertan, Y.	1.382, 1.999	Elshaykh, H.	1.462	Fonkem, E.	1.391

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Gentili, F.	113,	Gomez, P.A.	1,738	Grippi, L.	1,408
293, 336, 337, 563, 923, 924		Gomez-Angulo, J.C.	2,058	Gromov, I.	1,534
George, B.	449, 976, 1,324	Goncalves Ramirez, F.	1,476, 1,981	Grose, A.	2,138
George, J.	1,987	Goncalves Ramirez, F.J.	1,364	Grossman, R.	234, 1,368
Georgoulis, G.	756,	Goncalves, F.	1,222, 2,180	Grote, A.	104, 108, 652, 655
1,223, 2,109, 2,201		Goncalves-Ferreira, A.	703	Hadanny, A.	1,497, 1,548
Gerasimova, K.	1,613	Gondar, R.	1,752, 1,753	Hadassa Silva Matozinho, H.	2,144,
Geranov, V.	1,058	Gonul, Y.	1,240, 1,890, 1,891	1,014, 1,047, 1,090, 1,156, 1,196	
Geranov, V.M.	1,531	Gonzales, M.	781, 1,401	Grotenhuis, A.J.	530
Gerjin, Y.E.	1,918,	Gonzales-Portillo, M.	301, 405	Gruber, A.	196,
1,919, 1,959, 1,960, 1,991		Gonzalez-Martinez, L.	2,043, 1,584	645, 647, 852, 881, 1,084	
Gerhardt, J.	985, 1,365	Gonzalez-Ojellon, M.	459, 1,809	Grujicic, D.	193, 1,479, 2,194
Gerlach, R.	825, 922, 925	Gonzalez, M.	2,073	Grynko, O.	1,402
Germano, I.	140	Gonzalez-Hidalgo, M.	1,404	Haj, A.	1,369
Germanis, M.R.	1,731	Gonzalez-Mora, J.L.	1,446, 1,445	Hajduch, M.	1,374
Ghimenton, C.	610	Goodwin, R.	601, 1,470	Hajek, M.	1,176
Giamouradis, A.	1,230, 1,634	Gopinath, S.	1,856	Hajiyabadi, M.R.	1,532
Giarretta, I.V.O.	1,704	Gorbatykh, A.	1,411	Hajiyabadi, M.	2,20
Gielen, G.H.	1,367	Gorbatykh, A.	1,067,	Hajduk, V.	1,488, 1,565
Gierula, T.	1,507	1,299, 1,582, 1,585		Hayes, R.	1,800
Giese, A.	1,458	Gordon, E.	51	Hazman, O.M.E.R.	1,240, 1,890
Gil, N.	2,04	Gorea, V.	1,833	Hecimovic, H.	800
Gill, M.	1,751, 2,163	Gorelik, A.	781, 1,401	Hecimovic, I.	2,032
Gillert, G.	213, 548, 1,231, 1,858	Gorelyshev, S.K.	1,516	Heckelmann, M.	1,595
Gillick, J.	1,966	Gorgan, M.	1,366, 1,706, 1,958	Heinen, C.	1,871
Gilsbach, J.M.	254	Goroshchenko, S.	1,632	Heiss, K.	1,358
Ginsberg, H.	1,074, 1,935	Gonyaynov, A.	1,475	Hejci, A.	1,756
Gordano, M.	539, 608, 1,058	Gonyaynov, S.	782,	Hejci, A.	1,229
Giuseppe, B.	1,358, 1,700	Gonyaynov, S.A.	1,406	Hejci, A.	618, 718, 901
Glass, R.	1,280, 1,418, 1,419	Goutalaguy, S.	890	Heller, G.	556
Glavatskiy, O.	1,383	Goutaguy, S.	1,082	Helmly, A.	349
Glimaaeker, M.	2,129	Gralia, J.	1,082	Helseth, E.	2,211
Goemen, S.	168	Grand, W.	530, 1,002, 1,042,	1,384, 1,385, 1,480, 1,481, 1,499	
Godano, U.	1,224, 1,592	Grandoni, M.	1,01	Helseth, R.	1,385
Godlewski, B.	1,506	Grandi, R.A.	1,789	Hemmer, B.	1,025
Goh, T.	1,250,	Grassi, M.	1,224, 1,592	Hendrickson, S.	1,843
1,969, 1,970, 1,971, 2,000		Gray, W.J.	1,486	Hepgüel, K.T.	2,076
Goker, T.	1,812, 1,995	Green, A.	1,275, 1,902	Herbet, G.	1,201, 1,397
Golanov, A.	1,426	Gregson, B.A.	1,057	Herculano-Cavalho, M.	703
Golanov, A.V.	1,516	Grigorian, A.	1,732	Herynyk, I.	529
Golash, A.	229, 2,137	Grigoreva, E.	1,265, 1,447, 1,460	Hergunsel, B.	2,164
Golbin, D.	1,473	Grigorieva, E.V.	1,776	Hermanova, M.	1,608
Golanov, D.	1,776	Grill, J.	904, 908	Hernandez-Hernandez, V.	1,338,
Galanov, A.	782,	Gripp, D.	1,747	1,741, 1,975	
1,225, 1,409, 1,473, 1,830				Hernesniemi, J.	202,
Gall, E.	547			581, 853, 930, 934, 1,017, 1,092	
Gaito, I.	1,704			Herold-Mende, C.	1,238, 1,373
Gavrin, C.	483, 1,463			Herregods, P.	513
Gavrilins, D.	1,722			Herron, B.	1,213, 1,360, 1,486
Gavrilov, A.	782,			Hesketh, G.	2,051
1,225, 1,409, 1,473, 1,830				Hewidi, S.	177
Gavrilov, A.G.	547			Hicdonmez, T.	1,918,
Gavrilov, A.V.	1,776			1,919, 1,959, 1,960, 1,991	
Gaytan, A.	1,040, 1,411				
Gelal, F.	1,441				
Gelerstein, E.	1,548				
Gelmini, M.	2,185				
Gempt, J.	722,				
1,268, 1,309, 1,365, 1,898, 1,945					
Genovese, O.	1,572, 1,855				

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Harris, F.S.	1,391, 1,625	Haj, A.	1,369	Harris, C.	1,422
Harrison, C.	1,422	Hajduch, M.	1,374	Harrison, R.	2,008
Hartl, R.	2,015	Hajek, M.	1,176	Hartmann, A.	1,464, 1,594, 1,683
Hartmann, A.	1,464, 1,594, 1,683	Hajiyabadi, M.R.	1,532	Hashmi, F.	1,371, 1,372
Hashmi, F.	1,371, 1,372	Hajiyabadi, M.	2,20	Hashmi, F.A.	1,37
Hassan, S.	1,985	Hajduk, V.	1,488, 1,565	Hassan, S.	1,985
Hassan, T.	1,765, 1,763, 1,764	Hajek, S.	1,255, 2,085	Hassan, T.	1,765, 1,763, 1,764
Hatsky, O.	2,121, 2,122	Hajkrek, S.	1,255, 2,085	Hassan, T.	2,121, 2,122
Hauck, T.	731,	Halvorsen, H.	221	Hauk, T.	731,
1,256, 1,258, 1,328, 1,440		Halmoto, S.	1,935	Haus, S.	1,377
Haus, S.	1,377	Hamaoto Filho, P.T.	1,227,	Havelka, J.	263
Havelka, J.	263	1,228, 1,657, 1,813, 2,181		Havriliv, T.	1,276, 1,429
Havriliv, T.	1,276, 1,429	Hamaoto Filho, P.T.	1,227,	Hayashi, T.	1,635
Hayashi, T.	1,635	Hamann, G.F.	1,055	Haydaroglu, A.	1,334
Hayes, R.	1,800	Hamedan, A.	1,755, 2,165	Hayes, R.	1,800
Hazman, O.M.E.R.	1,240, 1,890	Hamdi, S.	185	Hecimovic, H.	800
Hecimovic, H.	800	Hamidova, L.	1,777	Hecimovic, I.	2,032
Hecimovic, I.	2,032	Hamilton, J.	968	Heckelmann, M.	1,595
Heckelmann, M.	1,595	Günald, O.	2,139,	Heinen, C.	1,871
Heinen, C.	1,871	1,923, 1,924, 2,031		Heiss, K.	1,358
Heiss, K.	1,358	Hamou, H.	1,293	Hejci, A.	1,756
Hejci, A.	1,756	Hampf, R.	591	Hejci, A.	1,229
Hejci, A.	1,229	Han, Y.M.	1,676	Hejci, A.	618, 718, 901
Hejci, A.	618, 718, 901	Hanakit, S.	1,707	Heller, G.	556
Heller, G.	556	Hanaloglu, S.	1,857	Helmly, A.	349
Helmly, A.	349	Hanaya, R.	303	Helseth, E.	2,211
Helseth, E.	2,211	Handa, A.	1,734, 1,746	1,384, 1,385, 1,480, 1,481, 1,499	
1,384, 1,385, 1,480, 1,481, 1,499		Hänggi, D.	567, 569, 607	Helseth, R.	1,385
Helseth, R.	1,385	Hannec, P.	757, 759	Hemmer, B.	1,025
Hemmer, B.	1,025	Hanley, D.F.	1,057	Hendrickson, S.	1,843
Hendrickson, S.	1,843	Hannan, C.	1,360	Hepgüel, K.T.	2,076
Hepgüel, K.T.	2,076	Hanoun, G.	1,619	Herbet, G.	1,201, 1,397
Herbet, G.	1,201, 1,397	Hans, F.J.	254	Herculano-Cavalho, M.	703
Herculano-Cavalho, M.	703	Hanson, A.	747	Herynyk, I.	529
Herynyk, I.	529	Hara, M.	1,857	Hergunsel, B.	2,164
Hergunsel, B.	2,164	Hara, M.	1,857	Hermanova, M.	1,608
Hermanova, M.	1,608	Hara, M.	1,857	Hernandez-Hernandez, V.	1,338,
Hernandez-Hernandez, V.	1,338,	Harahap, A.	1,797	1,741, 1,975	
1,741, 1,975		Harbaugh, R.E.	39,	Hernesniemi, J.	202,
Hernesniemi, J.	202,	Harden, M.	1,342	581, 853, 930, 934, 1,017, 1,092	
581, 853, 930, 934, 1,017, 1,092		Harden, M.	1,342	Herold-Mende, C.	1,238, 1,373
Herold-Mende, C.	1,238, 1,373	Harsanyi, M.	50	Herregods, P.	513
Herregods, P.	513	Harsanyi, M.	50	Herron, B.	1,213, 1,360, 1,486
Herron, B.	1,213, 1,360, 1,486	Harsanyi, M.	50	Hesketh, G.	2,051
Hesketh, G.	2,051	Harsanyi, M.	50	Hewidi, S.	177
Hewidi, S.	177	Harsanyi, M.	50	Hicdonmez, T.	1,918,
Hicdonmez, T.	1,918,	Harsanyi, M.	50	1,919, 1,959, 1,960, 1,991	
1,919, 1,959, 1,960, 1,991		Harsanyi, M.	50		
		Harsanyi, M.	50		

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Hicks, S.	1,649	Houari, O.	590, 1,478	Idbaih, A.	1,302
Hide, T.	1,425	Houdart, E.	83, 85, 198, 389, 439	Iencean, A.S.	593
Higuchi, Y.	1,79	Hoving, E.	170, 639, 641	Iencean, S.M.	593
Hijikata, Y.	1,996, 1,997	Howe, B.M.	2,112	Igaki, H.	1,707
Hilber, W.	2,198	Hrabalek, L.	1,374	Iizuka, H.	1,389
Hill, M.	591	Hrabec, V.	915	Ikedo, H.	195
Hillard, V.	1,966	Hrabovska, D.	1,211	Ikedo, T.	967, 1,697, 1,736, 1,737
Hinojosa Mena-Bernal, J.	248, 250, 380, 384	Hrabovski, D.	2,09	Ikhwan, S.	1,797
Hirano, Y.	457, 534	Hrabovsky, D.	1,608	Ikoda, M.	1,234, 1,659
Hirono, S.	1,79	Hrbac, T.	263	Ikota, M.	1,931
Hmairness, G.	1,11	Hron, J.	1,229, 1,756	Iladis, C.	1,493
Ho Kim, S.	216, 431, 654	Hu, C.H.U.L.	1,288, 1,872	Ilic, R.	193, 1,479, 2,194
Ho, K.	213, 548, 1,231, 1,814, 1,858	Hur, F.	1,417, 1,420	Iliescu, A.	1,431, 1,616
Hocking, K.C.	1,209, 1,804	Huang, J.H.	1,391	Ilkov, P.	1,394
Hodaj, I.	468	Huang, W.	1,614, 1,625, 1,649, 1,693, 1,779	Ille, S.	731, 1,256, 1,258, 1,328, 1,440
Hodzic, M.	1,994	Huang, W.C.	230, 1,762, 2,128, 2,175	Imagama, S.	1,926
Hofberger, J.	601, 1,470	Huberfeld, G.	2,175	Impallaria, P.	1,408
Hoffman, C.	1,573	Hudak, S.	1,708, 1,739	Ingorovka, G.	1,311
Hoffmann, C.J.	791	Hudecek, T.	58	Inoue, Y.	1,716
Hogg, F.R.A.	1,230, 1,634	Huh, J.	1,658, 1,666, 1,784	Ionov, T.	1,816, 1,869, 2,197, 2,199
Hohenberger, C.	1,369	Huh, J.S.	1,968, 2,042	Ippen, F.M.	1,312
Holly, V.	783	Huh, P.W.	1,882, 1,957	Ippolitov, E.	1,821
Holub, M.	730	HuiSeung, P.A.R.K.	1,6	Iqbal, M.	1,203, 2,018
Holzmann, D.	1,522	Huk, A.	370, 486, 1,232, 1,556, 2,166	Isagulyan, E.	1,475
Hommerova, J.	1,828	Humel, I.	176	Ischenko, A.	1,39
Honeybul, S.	213, 548, 1,231, 1,814, 1,858	Hur, C.	1,735, 2,195	Ishida, A.	1,721
Hong, C.	1,212, 1,656	Hussain, A.	2,19	Ishiguro, N.	1,926
Hong, J.T.	1,658	Hussain, Z.	1,233, 1,598	Ishikawa, M.	1,234, 1,659, 1,931, 2,193
Hong, S.I.	1,248, 1,518, 1,872	Hutchinson, P.	261, 677, 680, 986, 988, 1,125, 2,157	Ishikawa, Y.	1,926
Hongo, K.	277, 492	Hutchinson, P.J.	549, 611, 1,209, 1,236, 1,804, 1,817	Ismael, A.	2,151
Horbatyuk, K.	1,859, 1,887, 2,033, 2,113	Hüttinger, S.	1,365	Isotani, E.	573
Horbatyuk, K.I.	1,925, 2,115	Hydraios, I.	1,471, 1,472	Ito, M.	493
Horcajadas, A.	1,738	Hyodo, A.	1,716	Ito, N.	1,684
Hori, E.	1,635	Ihsaka, H.	493	Ito, Z.	1,926
Hori, S.	1,635	Ivanov, M.	1,466	Ishikawa, M.	1,234, 1,659, 1,931, 2,193
Horie, N.	573	Iverson, G.L.	1,235, 1,860	Ishikawa, Y.	1,926
Horie, Y.	1,635	Iwadate, Y.	1,79	Ismael, A.	2,151
Hornek, D.	176, 589, 1,596, 1,597	Iwasaki, M.	493	Isotani, E.	573
Horodyski, C.	1,302	Iwanetz, J.	1,738	Ito, M.	493
Horstmann, G.A.	271	Ibanez de Opacua, A.	2,013	Ito, M.	493
Hort, J.	1,596	Ibanez, J.	1,738	Iwata, T.	1,640, 1,670
Horvat, I.	1,353	Ibayashi, K.	1,664	Iwata, T.	1,313, 1,313, 1,583, 1,861, 2,116
Horvath, G.	1,791	Iber, T.	1,586	Izdebski, P.	1,561
Horvath, Z.S.	1,465, 1,791	Ibrahim, I.	176	Izdebski, P.	1,561
Hossain, A.	968	Hossain, S.	280	Izgi, N.	2,065
Hossain, S.	280	Hostalot Pansello, C.	1,364, 1,476	Izurieta-Ulloa, M.	779
Hostalot Pansello, C.	1,364, 1,476				

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Jaal, J.	1,356	Jalil, A.	592, 1,439	Kaelin-Lang, A.	2,095
Jaaskelainen, J.	626, 1,184, 1,185	Jo, Y.R.	2,117, 2,196	Kaifchinski, L.	2,171
Jackiewiczus, K.	1,599	Johannides, A.J.	549, 694, 1,236, 1,817	Kaitanov, A.N.	739
Jacobs, W.C.H.	167	Jodicke, A.	1,477	Kahn, S.	202, 619, 1,793
Jacquery, P.	1,495	Joelienbeck, B.	1,941	Kahyaoglu, O.	721
Jaegersberg, M.	790	Jokovic, M.	1,315	Kaiser, R.	1,927, 1,950, 1,951, 1,964
Jafar, J.	374, 375	Joksimovic, B.	2,194	Kaksi, M.	1,571, 1,988, 2,023, 2,131
Jain, V.K.	716, 987, 991, 1,162	Joo, J.	1,212, 1,656	Kaku, Y.	1,637
Jaiswal, A.	1,55	Joo, S.	186, 1,237	Kaky, A.	2,19
Jaiswal, A.K.	1,361	Joo, S.K.	2,089	Kalandari, A.	1,46
Jaiswal, S.	1,55	Joo, S.W.	2,102	Kalb, S.	809
Jakoby, B.	2,198	Jord o, N.	2,184	Kalenci, O.	965
Jakola, A.	1,467, 1,468	Josefsen, R.	221	Kaliperumal, C.	1,294, 1,720
Jakovcovic, A.	1,255, 2,085	Joshi, S.	278	Kalinin, P.	510
Jakucinski, M.	1,378	Josvai, A.	2,159, 1,539	Kalinin, P.L.	1,515, 1,516, 1,517
Jakupovic, S.	1,994	Jovanovic, I.	1,718	Kalinkin, A.	1,775
Jallo, G.	1,34	Jovanovic, N.	193	Kailta, O.	1,374
Jancsek, R.	1,452	Juan Manuel, R.	1,888	Kalivay, A.	1,757, 2,097
Janelidze, M.	1,785, 2,106	Juhler, M.	173, 832, 1,051	Kallivay, D.F.	810
Jang, D.K.	1,676	Jukov, V.	1,405, 1,410	Kalmens, V.J.	1,325
Jang, K.S.	1,676	Jun, H.	1,972	Kalneus, L.	1,04
Jankowitz, B.	184	Jung, H.	133, 401, 1,538	Kalshy, G.	1,399
JanKowski, R.	1,651, 2,168	Jung, Y.	1,735, 2,195	Kamaly, I.	2,174
Janous, P.	1,314	Junghee, K.	1,600, 1,818	Kamenova, M.	1,394
Janssen, A.	1,621	Jung, C.	1,238, 1,373	Kamer, S.	1,334
Janssen, I.	1,268, 1,898	Jurati, T.	1,730, 1,768	Kamouni, R.	1,647, 1,978
Janszky, J.	2,093, 2,094	Jurczynski, A.	2,071	Kanemura, T.	1,926
Januszewski, J.	183	Juric - Sekhar, G.	608	Kang, S.	1,239, 1,660, 1,928
Janzen, C.	213, 1,231	Jurjevic, I.	968	Kang, S.H.	1,689
Jarzem, P.	2,021	Jusic, A.	1,351, 1,352	Kanygin, V.	1,411
Javadi, A.	539	Jussen, D.	1,214, 1,629	Kapapa, T.	1,642
Javadi, S.A.	608	Jusue-Torres, I.	601, 1,470	Kaplanov, D.	1,83
Javier, F.	968	Juwela, S.	607	Kapon, K.	1,979
Jean, W.	2,172, 2,206	Jeled, V.	1,766	Kapp, C.	246, 1,343
Jeffcoate, T.	1,230, 1,634	Jenkinson, M.	524	Kaptan, H.	1,929, 2,083
Jelaca, B.	1,353	Jen-Tsung, Y.	1,744	Karabagli, H.	1,243, 1,602
Jeled, V.	1,766	Jeong, S.	1,241, 1,241, 1,663, 1,678, 1,937	Karabatsou, K.	1,308
Jeled, V.	1,766	Jeong-Hyun, L.	1,261, 1,690	Karabekir, H.S.	1,8
Jenkinson, M.	524	Jerez, P.	2,152	Karademir, M.	1,881
Jen-Tsung, Y.	1,744	Jeyaretna, S.	211	Karagianni, K.	1,489, 1,938, 1,948, 2,064
Jeong, S.	1,241, 1,241, 1,663, 1,678, 1,937	Jha, R.	1,715	Karagiannis, D.	1,686
Jeong-Hyun, L.	1,261, 1,690	Ji, W.Y.	1,433, 2,173	Karakoc, A.	1,798, 1,954
Jerez, P.	2,152	Jiang, H.	2,120, 2,121	Karakouti, A.	1,889
Jeyaretna, S.	211	Jiang, R.	1,685	Karacostas, G.	1,930, 1,998, 2,142
Jha, R.	1,715			Karacostas, G.	2,064
Ji, W.Y.	1,433, 2,173			Karacostas, G.	2,064
Jiang, H.	2,120, 2,121			Karacostas, G.	2,064
Jiang, R.	1,685			Karacostas, G.	2,064

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Karatas, A.	1.442, 1.441, 1.636, 1.709	Keirimbayev, T.	792, 1.908, 1.909, 1.986	Kim, S.D.	1.967
Karavelioglu, A.	1.891	Kerr, R.	256, 258	Kim, S.K.	2.176
Karavelioglu, E.	1.240	Kerschbaumer, J.	527, 790	Kim, T.	1.710, 1.759
Kambay, S.	1.800, 1.890, 1.891, 2.054	Kesler, A.	1.059	Kim, T.K.	2.005
Kanbay, S.	1.316	Keßler, A.F.	1.382	Kim, Y.	1.212, 1.241, 1.242, 1.652, 1.656, 1.663, 1.678
Kasakura, S.	1.640, 1.670	Kettenmann, H.	1.280	Kim, Y.B.	1.916
Kasamo, D.	1.637	1.417, 1.418, 1.419, 1.420, 1.421	Kim, Y.J.	1.319, 2.117	
Kase, M.	1.356	Kevlishvili, G.	1.311	Kimura, T.	1.603
Kase, S.	1.356	Khachatryan, M.	1.732	King, A.H.	1.665
Kashba, S.	773, 521	Khachatryan, T.	1.732	King, A.T.	611
Kashwazaki, D.	1.635	Khachatryan, W.	1.272, 1.390, 1.456, 1.613	Kirches, E.	511, 1.941
Kasianenko, I.	2.126	Khachashvili, M.	1.785	Kirchhoff, D.C.	1.336, 1.483, 1.484
Kasper, E.	1.188, 1.257, 1.607	Khalli, H.	1.863	Kirchhoff, D.F.B.	1.336, 1.484
Kasper, E.M.	1.298, 1.312	Khamidova, L.	1.758	Kirichenko, V.	2.033
Kasuya, H.	228	Khan, M.A.	1.671	Kirkpatrick, P.J.	611
Kataeva, G.	1.272, 1.613	Khan, N.	799	Kirpal, I.G.O.R.	2.197
Kataja, A.	1.235, 1.860	Khan, S.	1.370, 1.372	Kirrollos, R.	888, 916, 921
Katica, M.	2.161	Khan, S.A.	1.371	Kirson, E.	1.287, 1.500
Kato, F.	1.926	Kheireddin, A.	1.001	Kishore, K.	1.376
Kato, K.	1.862, 2.188	Kheireddin, A.S.	739	Kisitsin, D.	1.067, 1.299
Kato, Y.	1.862	Khinkadze, M.	1.785, 2.106	Kissayev, Y.	792, 1.908, 1.909, 1.986
Kato, Y.O.K.O.	2.188	Khoroshun, A.	1.375	Kittiwatanagul, W.	1.847
Katona, V.	529	Khoshab, A.	1.892	Kivisaari, R.	202
Katz, J.	1	Khovrin, D.	1.758, 1.819	Kizilyildirim, S.	2.139, 2.140
Kauko, T.	2.127	Khyzayak, M.V.	1.925	Kizmazoglu, C.	965
Kawai, K.	1.664	Kiefer, C.	2.095	Klarica, M.	1.351
Kawamura, Y.	1.641, 1.716	Kielbas, M.	1.339	Klarica, M.	1.352
Kawano, H.	1.664	Kikkawa, Y.	967, 1.697, 1.736, 1.737	Klein, J.	1.941
Kawano, T.	1.637	Kilikaslan, A.	2.034	Klener, J.	874
Kaya, I.	965, 1.342	Kim, A.	1.272, 1.613	Kljucar, I.	764
Kayahara, T.	967, 1.697, 1.736, 1.737	Kim, A.V.	1.661, 1.662	Kloc, W.	1.381, 2.001, 2.091, 2.092, 2.204
Kaye, A.	306, 311, 417, 656, 781, 1.193, 1.401	Kim, B.	1.710, 1.759	Klyuchka, V.	1.4
Kaye, J.	2.002	Kim, B.S.	1.259, 1.769, 1.770	Kneblova, M.	1.374
Kayhan, A.	2.141	Kim, C.	1.248, 1.518	Knospl, E.	148, 335, 509, 1.094
Kazanci, A.	1.317, 1.513, 1.812, 1.995, 2.034, 2.143	Kim, D.g.	1.873, 1.937	Ko, Y.	2.119
Kazda, T.	1.452	Kim, D.S.	1.262, 1.273, 1.624, 1.648	Ko, Y.J.	1.319, 1.638
Kırcı-Fırsenk, V.	2.15	Kim, H.	1.241, 1.242, 1.570, 1.652, 1.663, 1.678, 2.196	Kobaykov, G.	1.405
Keating, R.	847	Kim, H.C.	2.132	Kobyakov, G.L.	1.269, 1.406, 1.428
Keiner, D.	1.601	Kim, H.Y.	1.967, 2.117	Kobylatsky, O.	1.799
Keilich, P.	618	Kim, I.	1.248, 1.288, 1.518, 1.760, 1.872, 1.873	Kocak, A.	1.240, 1.890
Kelcis, C.	1.754	Kim, M.	1.710, 1.759, 1.760, 2.182	Kochetkov, D.V.	1.406
Kemeny, A.	68, 675, 766, 1.133, 1.183	Kim, O.	1.318	Kockro, R.	1.377
Kendircioglu, B.	1.879	Kim, S.	1.241, 1.242, 1.652, 1.663, 1.678, 1.792, 2.167, 2.182, 2.182	Koehler, S.	1.999
Kendritoglu, B.	1.991	Ker, J.	1.056, 1.687	Koes, B.W.	1.67
Keohane, C.	1.349				

NAME	PRESENTATION N°	NAME	PRESENTATION N°	NAME	PRESENTATION N°
Koga, T.	1.707	Koutourousiou, M.	184	Kucukyildiz, H.	1.317
Kogut, A.	1.829	Kovacevic, M.	1.695, 1.844, 2.012, 2.032, 2.150, 2.170	Kuleshov, A.	1.534
Koker, M.	1.636	Kovacs, N.	465, 529, 2.093, 2.094	Kulha, M.	263
Kokkalis, P.	2.005	Kovalev, G.I.	1.359	Kumar, D.	1.056, 1.687
Koksal, F.	2.139, 2.140	Kovari, Z.	1.539, 2.159	Kunert, P.	222, 485, 1.540, 2.046, 2.047
Koktekir, E.	1.243, 1.602	Kowalewski, T.A.	1.91	Kungurtsev, S.	1.337
Kokulu, S.	1.240, 1.890	Kozak, J.	1.567	Kuniak, M.	783
Kolar, V.	1.848	Kozlarska, H.	1.378, 1.561, 2.098, 2.099	Kunicki, J.	1.561
Kolarowska, H.	1.603	Krajca, J.	1.605	Kunikowska, J.	278
Kolarowski, B.	1.603, 1.973	Krajcar, F.	109, 822	Kurasu, J.	1.425, 1.637
Kolias, A.	993, 2.157	Krasnova, T.S.	1.516	Kurbatov, V.	1.040, 1.822
Kollas, A.G.	611, 1.209, 1.804	Kraus, J.K.	682, 1.026, 1.028	Kurisu, K.	303, 1.048
Kolodziej, M.	1.055	Kravchuk, A.	1.821, 1.830	Kurnosov, A.	510, 1.524, 1.525
Kombos, T.	1.989	Krawczyk, J.	547	Kuroda, S.	98, 101, 421, 553, 1.635
Kornoly, S.	2.093, 2.094	Kreiser, K.	1.025	Kuroda, J.	1.425
Kon Kum King, N.	1.056	Krejt, O.	1.320, 1.385, 1.480, 1.481	Kurogi, R.	1.736, 1.737
Kong, S.	1.341	Krejt, O.	1.320, 1.385, 1.480, 1.481	Kurt, H.	168
Konglund, A.	1.384	Krejt, T.	1.320, 1.691, 2.145, 1.603	Kusaka, G.	1.234, 1.659, 1.931
Konig, M.	1.95	Krejci, V.	603	Kushel, U.V.	609
Konovalev, A.	816, 1.402, 1.426, 1.533, 1.535	Kren, L.	1.32	Kushel, Y.	77, 81, 789, 2.037
Konovalev, A.N.	1.269, 1.428, 1.516	Kreth, F.	905, 906	Kutin, M.	510, 1.306, 1.515, 1.516, 1.517, 1.523, 1.524, 1.525, 1.544
Konovalev, N.	1.533, 1.534, 1.535	Kreth, F.	905, 906	Kuytu, T.	1.965
Konovalev, N.A.	609, 1.244, 1.282, 1.469, 1.912, 1.943, 1.944, 2.035, 2.060, 2.061	Kreth, F.	905, 906	Kuzey, M.A.	2.02
Kontogiannis, V.	1.938, 1.948	Kreth, F.	905, 906	Kuzmin, S.	1.225, 1.409
Kopachev, D.	1.402	Kreth, F.	905, 906	Kuzsel, Y.	1.475
Kopachoff, D.	1.475	Kreth, F.	905, 906	Kvesic, A.	1.98
Kortnik, B.	1.403	Kreth, F.	905, 906	KwanYoung, S.O.N.G.	1.600, 1.818
Korkut, D.Z.	1.994	Kreth, F.	905, 906	Kwon, W.K.	1.689
Kormienko, V.N.	466, 547, 992	Kreth, F.	905, 906	Kyndl, M.	705, 730, 1.251
Koroknay-Paj, P.	202	Kreth, F.	905, 906	Kyritsis, A.	1.387
Korolishin, V.A.	1.244, 1.282, 1.469, 1.912, 1.943, 1.944, 2.035, 2.060, 2.061	Kreth, F.	905, 906	Kyrypa, I.	1.321, 1.869
Korshunov, A.	1.426	Kreth, F.	905, 906	Kyung-Jae, P.	1.261, 1.690
Koso, M.	1.688	Kreth, F.	905, 906		
Kosyrkova, A.V.	1.469, 1.944, 2.035, 2.060, 2.061	Kreth, F.	905, 906		
Kosztowski, T.	1.47	Kreth, F.	905, 906		
Kotlbauer, K.	345, 868	Kreth, F.	905, 906		
Kouadria, R.	1.246, 2.036	Kreth, F.	905, 906		
Koufoglou, V.	1.686	Kreth, F.	905, 906		
Kouki, K.M.A.R.	1.815	Kreth, F.	905, 906		
Koutentakis, D.	1.889, 1.930, 1.998, 2.142	Kreth, F.	905, 906		

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Laleva, M.	1.394, 1.947, 2.017	Lee, S.	1.963, 1.963	Lilja, Y.	1.111
Lame MD, A.	194, 1.712	Lee, S.B.	1.882, 1.957	Lim, Y.	204
Lammert, A.	512	Lee, S.H.	1.668, 2.089, 2.102	Lima, N.	2.184
Lampel, A.	1.915	Lee, S.M.	1.761	Lin, C.	1.322, 1.864, 1.893
Landeiro, J.A.	340, 873, 875	Lee, S.W.	1.658, 1.784	Lin, C.H.	1.932
Lander, A.	605, 2.100, 2.027	Lee, T.	1.864, 1.893	Lin, C.S.	230
Landry, D.	1.541, 1.591	Lee, T.C.	1.762, 2.128, 2.175	Lin, F.	1.874
Lane, K.	1.057	Lee, Tg.	1.882, 1.957	Lin, M.	1.762, 1.762
Lang, F.	968	Leempoel, J.	1.495	Lin, M.H.C.	1.864, 1.893, 2.128, 2.175
Langlois, M.	1.436, 1.915	Leenstra, S.	155, 962	Lin, M.H.C.	230
Langlois, O.	748, 1.260	Lees, K.	1.057	Lin, S.	966, 1.395
Langmoen, I.A.	141	Leggate, A.	229, 2.137	Lin, S.J.	1.298
Lanotite, M.	1.363, 1.496	Legnani, F.	1.266, 1.415, 1.449	Lindseth, F.	1.467, 1.468
Lanzafame, S.	1.358	Lehecka, M.	376	Ling, J.M.	1.866
Lanzino, G.	476, 615, 810	Lehmann-Che, J.	976	Linsenmann, T.	1.382
Lapadula, G.	1.541, 1.591	Leinberg, J.	246, 1.344, 1.979	Linsler, S.	1.553
Larkin, E.	693	Leinhardt, D.	1.42	Lipan, C.	1.431, 1.616
Laroche, D.	47	Leinhardt, S.	1.417, 1.417	Lipina, R.	926, 1.320, 1.605
Lary, A.	1.333, 1.521, 1.774	Leinhou, E.	951	Liscak, R.	96, 1.186
Lasunin, N.	1.551	Leito, H.	202	Lisy, J.	564
Latshey, Y.	1.821	Leidinger, A.	1.332	Lisyany, A.	1.488, 1.565
Lauffer, I.	619, 1.793	Lermet, M.	2.147	Litre, F.	748, 1.260
Lavorato, L.	2.162	Leinonen, V.	585, 587	Liu, C.	427, 750, 754
Lavador, J.	1.379, 1.380, 1.823, 1.824, 2.039, 2.040, 2.041	Lejeune, N.	1.495	Liu, M.	1.874
Lavrador, J.P.	1.331	Lemenev, V.	1.264, 1.645	Lubinas, S.	781, 1.401
Lawson McLean, A.C.	484	Lentini, G.	1.408	Lubraghi, S.	2.039, 2.040, 2.041
Le Reste, J.P.	748, 1.260	Lenzner, G.	1.708, 1.739	Luzou, Y.	1.111
Lechapt-zalman, E.	748, 1.260	Leobon, B.	502	Ljungberg, M.	1.111
Leclercq, D.	1.302	Leonardi, J.	1.002, 1.012	Llcer, J.L.	1.738
Lecoeur, J.	693	Leonetti, S.	613	Lo Duca, B.	1.408
Lee, C.H.	1.668, 1.967	Lepe Gom z, G.	1.606	Locatelli, D.	1.885, 1.922, 2.028
Lee, C.M.	2.132	Lepe, G.	1.604	Locatelli, F.M.	605, 2.100
Lee, C.S.	1.968, 2.042	Lermen, O.	1.495	Loebel, F.	712
Lee, D.	1.666	Lesko, R.	705	Lofrese, G.	557, 1.519, 1.591
Lee, D.H.	1.784	Lesley, W.S.	1.251, 1.279, 1.567, 1.587	Lofthus, C.	551, 1.018, 1.021
Lee, E.	1.248, 1.518	Leung, G.	1.693, 1.779	Logan, A.	538, 2.191
Lee, H.	1.249	Leung, G.	1.252, 1.826	Lohr, M.	1.382
Lee, H.J.	1.412, 1.735, 1.825, 2.195	Leventis, O.	1.775, 1.777	Lombardo, K.	1.183
Lee, H.Y.	2.01	Levi, A.	1.335, 2.005	Lomidze, D.	1.311
Lee, I.	1.968	Levin, N.	20, 21, 28, 76	Lomillos, M.	2.058
Lee, J.	1.249, 1.825	Levin, R.	1.274, 1.451	Longo, M.	2.058
Lee, J.	1.250, 1.667	Lj, B.	1.337	Lonneville, S.	1.701
Lee, J.	1.832, 1.969, 1.970, 1.971, 2.000	Li, B.	1.433, 2.173	Lonneville, S.	1.868
Lee, J.H.	1.689, 1.761	Li, C.	1.281, 1.578, 2.189	Lomfors-Weitzel, T.	2.095
Lee, K.J.	1.792	Li, W.	966	Lopez-Ibor, J.J.	1.205, 2.101
Lee, K.S.	1.777	Liao, K.M.	1.528	Lopez-Ibor, L.	1.083
Lee, L.	1.056, 1.687, 1.834	Liftonka, W.	1.381	Lornejad-Schaler, M.	2.198
Lee, M.	1.538, 1.864, 1.893	Lj, P.	2.001, 2.091, 2.092, 2.204	Lorsch, Z.	48
Lee, M.H.	230, 1.762, 2.128, 2.175	Likhterman, L.	1.830, 2.178	Lortkipanidze, M.	1.589
				Loschenov, V.	1.225, 1.409, 1.473

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Losoi, H.	1.235, 1.860	Maheparan, R.	82	Marinkovic, S.	1.646
Lourenço Costa Júnior, G.	2.144	Mahmoodi, R.	798	Marinov, M.	651, 657
Lourenço, G.	2.183	Maimon, S.	614	Marmovic, T.	1.766
Lourido, J.	243, 1.932	Maira, G.	1.704, 1.727, 1.728	Marklund, N.	535, 900, 903
Lu, F.Q.	1.527	Majore, C.B.L.M.	575	Markogiannakis, G.	1.754, 2.030
Lu, J.	966, 1.395	Makhambetov, E.	2.097	Markou, M.	1.331
Lu, X.	1.433	Makhambetov, Y.	2.096	Markova, O.	1.383
Lu, X.J.	1.527, 1.528, 1.620, 2.173	Makino, K.	1.425	Markovic Bozic, J.	1.403
Lubrano, V.	502	Maldeun, M.V.	1.747	Markovic, D.	1.42
Lucas, T.	395	Maldonado, I.	372, 884	Markovic, M.	2.072
Luft, A.	203	Maiek, J.	1.229, 1.756	Marks, J.C.	1.349
Lukianchikov, V.	1.264	Malinova, B.	730	Marnette, V.	1.495
Lukshin, V.	1.669, 1.677	Mallucci, C.	2.19	Marongiu, A.	1.305, 1.362, 2.162
Lule, S.	1.857	Malmgren, K.	1.111	Marotta, N.	504, 2.027
Lulo, V.	1.383	Mancarella, C.	1.894, 1.895, 1.218, 1.703, 1.883, 1.884, 2.027	Marroni, S.S.	2.082
Lumbiganon, P.	1.847	Mancino, A.	1.855	Marsh, H.	1.095, 1.098
Lumentia, C.B.	333, 1.073	Mandat, T.	1.561, 2.098, 2.099	Marshakov, V.	1.534
Lund-Johansen, M.	1.385, 1.480	Mandera, M.	726, 843, 845	Martin, M.	475
Lunenkova, V.	1.708, 1.739	Mandouret, E.	185, 238, 976	Martinez-Anda, J.J.	2.103, 2.107
Luney, C.R.	1.817	Mangiola, A.	1.515	Martinez-Galdamez, M.	1.611
Luongo, M.	1.224, 1.592	Manley, G.T.	611	Martinez-Manrique, J.J.	2.103, 2.103
Luoto, T.M.	1.235, 1.860	Mannino, S.	2.084	Martosyan, N.	974
Lupret, V.	1.983	Manohar, R.	1.314	Martynova, M.	1.390, 1.469
Luvizutto, G.J.	1.228, 1.657	Mansour, A.	245	Martynova, M.A.	1.912
Lycklama f Nijholt, G.	575	Mansour, A.	1.763, 1.764, 1.765	Mart nez De Anda, J.	1.943, 1.944
Lynch de Araujo, J.C.	876, 1.138	Mantas, C.	1.938, 2.064	Maryashev, S.	1.405, 1.426
Lyness, J.	1.213, 1.360	Manuel Santos, M.	1.823, 1.824	Maslova, L.N.	1.414
		Manuel-Rimbau Mu oz, J.	1.476, 1.981	Mason, A.	169
		Ma, J.U.N.	1.444	Masou, S.	1.736, 1.737
		Ma, L.	1.444	Massimi, L.	1.604, 1.606
		Maal, T.J.J.	2.16	Matasova, K.	1.603
		Maas, A.	42, 128	Matge, G.	454, 634
		Maqsood, A.	1.206, 1.849	Mathias, L.R.	1.747
		Maati, A.	2.038	Mathiesen, T.	205, 208
		Mabuchi, S.	493	Mathiesen, T.	205, 208
		Macas, J.	1.280, 1.418, 1.419	Matogno, P.	1.604
		MacDonald, M.	1.215, 1.805	Matogno, H.	1.705, 2.184
		Macdonald, R.L.	607	Matskowsky, I.A.	466
		Machado, H.R.	1.81	Matsuo, S.	1.736, 1.737
		Machado, V.C.	1.813	Matsutani, T.	1.79
		Macyszyn, L.	693	Mattei, L.	1.266, 1.415, 1.449, 1.917, 1.992
		Maddadki, C.	1.324	Mattogno, P.P.	1.519, 1.606, 2.084
		Madhugiri, V.S.	1.455	Matula, C.	545, 666, 670, 856
		Magalal, N.	2.197	Maurer, S.	731, 1.256, 1.440
		Magras, I.	1.357	Mavridis, I.	1.489, 1.938
		Magrini, S.	774	Mawrin, C.	511, 1.941
		Mahadevan, A.	1.298, 1.312	Mazerkina, N.A.	1.516
		Mahapatra, A.	2.025	Mazzatenta, D.	1.292, 1.520, 1.529, 1.530

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Ogurtsova, A.	1,41	Oner, K.	1,334	Parajon, A.	2,015	Peredo, I.		Pieroni, M.		Pieroni, M.	740, 1,714	Piquet, J.C.	
Oguz, K.K.	1,857	Onischenko, P.	1,488, 1,565	Paraskevopoulos, E.	1,877	Pereira, J.	727, 910, 912	Piquet, J.C.		Piquet, J.C.	1,917, 1,992	Pirovano, M.	193, 1,479, 1,786
Oh, H.M.	1,638, 2,117, 2,119, 2,196	Onischenko, P.	1,543	Paratore, S.	1,358	Pereira, L.	1,336, 1,483, 1,484	Pirovano, M.		Pirovano, M.	1,917, 1,992	Piscovic, I.	193, 1,479, 1,786
Oh, J.	1,288, 1,872, 1,873, 1,972	Onken, J.	790	Pachaturaidis, D.	1,387	Pereira, P.	70, 73, 245	Piscovic, I.		Piscovic, I.	193, 1,479, 1,786	Pistocchi, S.	740, 1,714
Oh, S.	1,259, 1,667, 1,769, 1,770	Onoprienko, R.A.	609, 1,244, 1,282, 1,469, 1,944, 2,035	Paccusich, C.	1,952	Pereira, T.M.R.	1,813	Pistocchi, S.		Pistocchi, S.	740, 1,714	Pitroni, A.	1,701
Oh, Y.	1,936, 1,937	Oran, I.	1,442	Paddick, I.	516	Perez, A.R.	1,964	Pitroni, A.		Pitroni, A.	1,701	Pitshkelaury, D.	1,402, 1,405, 1,410, 1,426
Ohhashi, G.	195	Ordnina Martinez, J.	1,584, 1,623, 2,043	Padmanabhan, R.	516	Perez-Loresu, P.	1,975	Pitshkelaury, D.		Pitshkelaury, D.	1,402, 1,405, 1,410, 1,426	Pogorska, A.	485
Ohkuma, H.	1,771	Onoz, M.	2,022, 2,023, 2,131	Padovani, A.	2,185	Pergolizzi, S.	528, 1,701	Pogorska, A.		Pogorska, A.	485	Poddubsky, A.	1,405
Ohla, V.	1,298	Ooigawa, H.	1,697, 1,736, 1,737	Padr, F.	2,185	Perrilla, T.	416, 599	Pogorska, A.		Pogorska, A.	485	Podolsky-Gondim, G.G.	1,810, 2,029, 2,082
Ohlopkov, V.	782	Opsenak, R.	1,973	Paidakakos, N.	2,05	Perrin, A.	1,266, 1,415, 1,449	Podolsky-Gondim, G.G.		Podolsky-Gondim, G.G.	1,810, 2,029, 2,082	Poeata, I.	1,167
Ohman, J.	1,124, 1,126, 1,235, 1,860	Oran, I.	1,442	Paksoy, S.	2,054	Perrin, N.	2,066	Poeata, I.		Poeata, I.	1,167	Poisson, I.	1,324
Ohmori, Y.	1,637	Orduna Martinez, J.	1,584, 1,623, 2,043	Paladino, J.	2,085	Parras, R.	1,351	Poisson, I.		Poisson, I.	1,324	Pokorna, B.	1,671
Ohta, T.	1,673, 1,674	Oreskovic, D.	1,351	Palamar, O.	486, 1,045, 1,232, 1,556	Parras, R.M.	2,006	Pokorna, B.		Pokorna, B.	1,671	Pola, R.	1,704
Ojellon, M.	2,078	Oreskovic, D.	1,352	Palandri, G.	1,61	Parras, S.W.	1,916	Pola, R.		Pola, R.	1,704	Polakova, N.	1,229, 1,756
Okazaki, T.	303	Oros, C.	1,355	Palecek, T.	1,32	Parras, O.	1,033	Polakova, N.		Polakova, N.	1,229, 1,756	Polis, B.	1,829, 1,829
Okhlopov, V.	1,225, 1,409, 1,473, 1,830	Ortega Porcayo, A.	1,974	Palejwala, S.	1,204, 1,878	Parsal, C.	1,431, 1,616	Polis, B.		Polis, B.	1,829, 1,829	Polivka, M.	1,65
Okishv, D.	1,271, 1,778	Ortega-Rodríguez, A.	1,332	Paleologos, T.	1,482	Pashaei, B.	1,558	Polivka, M.		Polivka, M.	1,65	Poll, F.	537, 2,070
Okladnikov, G.	2,056, 2,057	Ortiz, Y.	1,333, 1,521, 1,773, 1,774	Paleologos, T.	1,482	Pascual, A.	84, 86, 612, 802, 805	Poll, F.		Poll, F.	537, 2,070	Pollo, B.	1,355
Öksüz, E.R.O.L.	1,808	Oshorov, A.V.	466, 992	Palamar, O.	486, 1,045, 1,232, 1,556	Pasqualini, E.	1,292, 1,520, 1,529, 1,530	Pollo, B.		Pollo, B.	1,355	Polo, G.	2,095
Oktar, N.	1,334	Ospino, S.	1,337	Palandri, G.	1,61	Pasqualini, E.	1,292, 1,520, 1,529, 1,530	Polo, G.		Polo, G.	2,095	Polunina, N.	1,264, 1,265, 1,447, 1,460, 1,645, 1,775, 1,777
Oktenoglu, T.	2,003	Ostman-Farah, J.	1,314	Palecek, T.	1,32	Pasqualini, E.	1,292, 1,520, 1,529, 1,530	Polunina, N.		Polunina, N.	1,264, 1,265, 1,447, 1,460, 1,645, 1,775, 1,777	Polupan, A.A.	466, 992
Okuda, F.A.F.	1,483, 1,484	Ostroski-Fonseca, E.	429, 434, 941, 945	Paleologos, T.S.	1,335, 1,471, 1,472, 2,005	Pasqualini, E.	1,292, 1,520, 1,529, 1,530	Polupan, A.A.		Polupan, A.A.	466, 992	Polyzoidis, K.	69
Okuda, J.F.A.F.	1,336	Ostry, S.	623	Palfi, S.	1,032	Pasqualini, E.	1,292, 1,520, 1,529, 1,530	Polyzoidis, K.		Polyzoidis, K.	69	Pons, D.	1,357, 1,393, 1,505
Okun, J.G.	1,671	Osuka, K.	1,568	Pallud, J.	238, 748, 1,260	Pasqualini, E.	1,292, 1,520, 1,529, 1,530	Pons, D.		Pons, D.	1,357, 1,393, 1,505	Ponti, D.	691
Olenbay, G.	1,329, 1,330	O'Sullivan, M.G.J.	1,349	Palmer, J.	224	Pasqualini, E.	1,292, 1,520, 1,529, 1,530	Ponti, D.		Ponti, D.	691	Pontorero, A.	528, 1,701
Olivera, E.	1,331, 1,823, 1,824, 2,039, 2,040, 2,041	Oszwald, A.	1,367	Palmir, J.	224	Pasqualini, E.	1,292, 1,520, 1,529, 1,530	Pontorero, A.		Pontorero, A.	528, 1,701	Poom, W.	1,745
Olivera, J.A.	2,082	Oszwald, A.	1,367	Palmir, M.N.	158, 284, 707, 820	Pasqualini, E.	1,292, 1,520, 1,529, 1,530	Poom, W.		Poom, W.	1,745	Popescu, G.	1,431, 1,616
Olivera, J.R.M.	2,186	Ourselin, S.	772	Panagopoulos, D.	2,064	Pasqualini, E.	1,292, 1,520, 1,529, 1,530	Popescu, G.		Popescu, G.	1,431, 1,616	Poptodorov, G.	1,394
Olivera, M.	255, 1,554, 1,740, 1,772, 2,045, 2,186	Ourselin, S.	772	Panagopoulos, M.C.	1,896	Pasqualini, E.	1,292, 1,520, 1,529, 1,530	Poptodorov, G.		Poptodorov, G.	1,394	Popugayev, K.	1,525
Olivera, R.S.	1,81	Ovul, I.	1,334	Panagiotopoulos, M.	1,896	Pasqualini, E.	1,292, 1,520, 1,529, 1,530	Popugayev, K.		Popugayev, K.	1,525	Porchet, F.	433, 944
Olkhov, V.	1,859, 1,887, 2,033, 2,113	Oyama, K.	185, 449, 1,555	Panagiotopoulos, M.C.	1,896	Pasqualini, E.	1,292, 1,520, 1,529, 1,530	Porchet, F.		Porchet, F.	433, 944	Portaluri, F.	1,917, 1,992
Olkhov, V.M.	2,115	Ozbek, Z.	1,296	Panagiotopoulos, M.C.	1,896	Pasqualini, E.	1,292, 1,520, 1,529, 1,530	Portaluri, F.		Portaluri, F.	1,917, 1,992	Pospelis, T.V.	1,359
Olkhova, I.	1,859, 1,887, 2,033	Ozdemir, C.	2,111	Panagiotopoulos, M.C.	1,896	Pasqualini, E.	1,292, 1,520, 1,529, 1,530	Pospelis, T.V.		Pospelis, T.V.	1,359	Postalci, L.	2,139, 2,140, 2,141, 2,164, 2,202, 2,203
Olldashi, F.	468	Ozdimac, A.	2,004, 2,075	Panagiotopoulos, M.C.	1,896	Pasqualini, E.	1,292, 1,520, 1,529, 1,530	Postalci, L.		Postalci, L.	2,139, 2,140, 2,141, 2,164, 2,202, 2,203	Posti, J.P.	1,577, 2,127
Olushin, V.E.	1,325, 1,413, 1,414	Ozdogan, S.	1,682, 1,918, 1,919, 1,959, 1,960, 1,990, 1,991, 2,114	Panagiotopoulos, M.C.	1,896	Pasqualini, E.	1,292, 1,520, 1,529, 1,530	Posti, J.P.		Posti, J.P.	1,577, 2,127		
on behalf of the Netherlands Society of Neurosurgery, N.A.	1,725	Ozdogan, S.	1,682, 1,918, 1,919, 1,959, 1,960, 1,990, 1,991, 2,114	Panagiotopoulos, M.C.	1,896	Pasqualini, E.	1,292, 1,520, 1,529, 1,530						
on behalf of CENTER-IBI Participants and Investigators.	1,207, 1,801, 1,802	Ozer, A.	2,003	Panagiotopoulos, M.C.	1,896	Pasqualini, E.	1,292, 1,520, 1,529, 1,530						
on behalf of the UJATS investigators.	607	Özgray, E.	1,334	Panagiotopoulos, M.C.	1,896	Pasqualini, E.	1,292, 1,520, 1,529, 1,530						
Oñal, F.	1,831	Ozleble, A.	1,561	Panagiotopoulos, M.C.	1,896	Pasqualini, E.	1,292, 1,520, 1,529, 1,530						
Oñal, S.C.	1,831	Ozturk, O.	2,076	Panagiotopoulos, M.C.	1,896	Pasqualini, E.	1,292, 1,520, 1,529, 1,530						
O'Neill, K.	1,422			Panagiotopoulos, M.C.	1,896	Pasqualini, E.	1,292, 1,520, 1,529, 1,530						

NAME	PRESENTATION N°	NAME	PRESENTATION N°	NAME	PRESENTATION N°	NAME	PRESENTATION N°	NAME	PRESENTATION N°	
Potapov, A.	463, 782, 1.225, 1.409, 1.473, 1.475, 1.821, 1.830	Reinlie, S.	221	Roci, E.	1.399	Rozankovic, M.	1.983	Saito, N.	1.707	
Potapov, A.A.	466, 547, 992, 1.406	Reith, F.	174	Rodesch, G.	664, 1.080, 1.131	Rozanski, U.	1.497	Sajko, T.	800	
Potenyakhina, A.V.	1.406	R Holtmann, I.	1.421	Rodriguez, R.	1.698, 1.952	Rozumenko, A.	1.388	Sakas, D.E.	40, 223, 225	
Poticny, S.	1.605	Raabe, A.	592, 603, 1.082	Rodinsky, A.	1.901	Rozumenko, V.	1.388	Sala, F.	342	
Pouletau, H.B.	1.320, 1.691, 2.145	Rabiei, K.	1.867	Rodionov, R.	772	Rosendo Sacramento, D.	2.087	Sala, F.	344, 610, 612, 867, 869	
Pouletau, H.B.	1.448, 1.868, 1.978	Rachinger, W.	1.867	Rodriguez Afias, C.	1.498	Reuben, S.	1.951	Saladino, A.	1.266, 1.415, 1.449	
Pouncey, A.	1.843	Raco, A.	537	Rodriguez Boto, G.	1.083	Reuvelta, R.	267	Salah, A.	566, 1.290	
Poveda, P.	2.058	691, 1.305, 1.362, 2.070, 2.162	Reyes, R.	1.897	Rodriguez Gil, J.	1.888	Rey, R.	1.399	Salama, M.	1.304, 1.631
Prada, F.	1.266, 1.415, 1.449, 1.566	Radek, A.	763	Rezaei Jahromi, B.	202	Rodriguez Velasco, M.	1.611	Salazar, O.	1.404	
Prassas, A.	1.877	Radics, A.	529	Rezar, A.R.	425	Rodriguez Velasco, M.	1.611	Salgado-L. prez, L.	1.332	
Prats-Galino, A.	818	Raddi, M.	1.494	Rezanko, T.	1.441	Rodriguez-Rodríguez, R.	1.332	Salkov, M.	1.899, 1.900, 1.901	
Preguiza, I.	1.833	Rado, P.M.	1.713	Rezendes, F.	1.772	Rodriguez-Rodríguez, R.	1.332	Salmi, S.	2.038	
Priban, V.	871	Rados, M.	1.351	Rezendes, F.	1.705	Rodriguez-Rodríguez, R.	1.332	Salekpori, N.	1.586	
Price, S.J.	1.504	Radosavljevic, M.	1.646, 2.123	Ribas, J.	809, 2.073, 2.078	Rodriguez-Rodríguez, R.	1.332	Samardzic, M.	765, 1.267, 1.718, 2.123, 2.124, 2.125	
Priondo, A.	1.758, 1.775, 1.777	Radovanovic, I.	1.226, 2.192	Ribas, J.C.	1.934	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Priondo, A.V.	1.776	Radovnický, T.	1.229, 1.756, 2.063	Ribeiro da Cunha Ferreira, P.	2.049	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Procházka, J.	618	Raflopoulos, C.	698, 700, 747	Ricci, A.	977	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Procházka, V.	263	Rainha-Campos, A.	703	Ricci, V.	1.611	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Proescholdt, M.	1.369	Rainer, C.W.	1.642	Ricciardi, L.	691, 2.162	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Prokofeva, O.	1.272, 1.613	Rajpal, S.	1.69	Richterova, R.	1.603	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Prokopenko, M.	2.046, 2.047	Rajshkehar, V.	422, 452, 453	Rickett, M.	1.927	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Pronin, I.	1.405, 1.410, 1.426, 1.669	Rakip, U.	1.8	Ridder, D.A.	1.671	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Pronin, I.N.	466, 547, 609, 992, 2.060	Ram, Z.	32, 233, 358, 708, 885	Ried, P.	1.486	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Proust, F.	392	Ram, Z.	32, 233, 358, 708, 885	Rigamonti, D.	601, 1.470	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Pruna, V.	1.494	Ramkrishnan, M.	2.002	Riha, I.	1.211, 1.608, 2.090	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Psilovasilopoulos, G.	1.754, 2.030	Ramina, R.	1.070, 1.166	Rimbau, J.	1.222, 2.180	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Puca, A.	1.704	Ramm-Petersen, J.	221	Rimbau Mtu oz, J.	1.364	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Pumenova, L.	1.282, 2.061	Ramos-Z iga, R.	2.205	Ringel, F.	75, 394, 622	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Pyatov, S.	1.299	Rappaport, Z.H.	1.112, 1.114	Rios-Lago, M.	1.404	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Pyen, J.	1.288, 1.872	Rasschaert, R.	2.048	Rique, J.	2.152	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Pyoung, J.	1.78	Rasulic, L.	762, 765, 1.267	Ritson, E.A.	556	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Q		Ravina, K.	1.315, 1.718, 2.123, 2.124, 2.125	Riva, M.	1.647	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Qiu, L.	1.834, 1.866	Ravnik, J.	1.982	Rivera, P.	1.404	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Quan, W.E.I.	1.685	Raymond, J.	607	Rivero Celada, D.	2.043	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Quattrone, F.	693	Rebelo, O.	2.049	Riveros, W.	1.888	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Quon, J.L.	1.789	Redjem, H.	740, 1.714	Rizza, R.E.	1.431, 1.616	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Quraishi, F.A.	280	Refaat, M.	1.976	Robert, T.	740, 1.714	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Qureshi, M.	1.101	Regaert, B.	1.702	Robertson, A.	1.215, 1.805	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
R		Regis, J.M.	514, 518, 584	Robertson, C.s.	1.856	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Rachinger, W.	1.867	Regli, L.	767, 1.103, 1.106, 1.189, 1.197	Rocha, V.	1.338, 1.741, 1.975	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Raco, A.	537	Rehak, S.	341, 343, 373, 378, 834, 1.522	Roche, P.H.	5, 90, 94, 1.086, 1.089, 1.102	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Radek, A.	763	Rehausek, P.	787, 1.121	Rohde, Y.	1.268, 1.898	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Radics, A.	529	Reina, V.	1.302	Rojas, R.	1.312	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Raddi, M.	1.494	Reinertsen, I.	1.467, 1.468	Rola, R.	1.309, 1.365, 1.945	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Rado, P.M.	1.713	Reinings, M.H.T.	1.055, 1.477	Roldan, H.	1.338	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Rados, M.	1.351	Reinhold, A.	1.941	Romanelli, P.	1.413	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Radosavljevic, M.	1.646, 2.123	R		Romic, D.	1.868, 1.978	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Radovanovic, I.	1.226, 2.192	R		Rommel, N.	1.594	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Radovnický, T.	1.229, 1.756, 2.063	R		Rommel, T.	1.464, 1.594, 1.683	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Raflopoulos, C.	698, 700, 747	R		Romundstad, L.	1.767	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Rainha-Campos, A.	703	R		Rönning, P.A.L.	221	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Rainer, C.W.	1.642	R		Roopes Kumar, V.R.	1.455	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Rajpal, S.	1.69	R		Rosahl, S.K.	484	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Rajshkehar, V.	422, 452, 453	R		Rosen, C.	668, 1.155	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Rakip, U.	1.8	R		Rosenthal, G.	1.274, 1.451	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Ram, Z.	32, 233, 358, 708, 885	R		Rossetti, F.	2.082	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Ram, Z.	32, 233, 358, 708, 885	R		Rostovcev, D.M.	1.325	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Ramina, R.	1.070, 1.166	R		Rostovtsev, D.M.	1.413, 1.414	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Ramm-Petersen, J.	221	R		Rostron, J.	1.886	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Ramos-Z iga, R.	2.205	R		Roth, J.	886, 891, 1.340, 1.427, 1.612	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Rappaport, Z.H.	1.112, 1.114	R		Roth, J.	886, 891, 1.340, 1.427, 1.612	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Rasschaert, R.	2.048	R		Rott, M.	1.772, 2.045, 2.186	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Rasulic, L.	762, 765, 1.267	R		Rotta, M.A.C.	414, 776	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Ravina, K.	1.315, 1.718, 2.123, 2.124, 2.125	R		Rotta, M.	414, 776	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Ravnik, J.	1.982	R		Rotta, M.	414, 776	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Raymond, J.	607	R		Rotta, M.A.C.	414, 776	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Rebelo, O.	2.049	R		Rotta, M.A.C.	414, 776	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Redjem, H.	740, 1.714	R		Rotta, M.A.C.	414, 776	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Refaat, M.	1.976	R		Rotta, M.A.C.	414, 776	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Regaert, B.	1.702	R		Rotta, M.A.C.	414, 776	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Regis, J.M.	514, 518, 584	R		Rotta, M.A.C.	414, 776	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Regli, L.	767, 1.103, 1.106, 1.189, 1.197	R		Rotta, M.A.C.	414, 776	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Rehak, S.	341, 343, 373, 378, 834, 1.522	R		Rotta, M.A.C.	414, 776	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Rehausek, P.	787, 1.121	R		Rotta, M.A.C.	414, 776	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Reina, V.	1.302	R		Rotta, M.A.C.	414, 776	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Reinertsen, I.	1.467, 1.468	R		Rotta, M.A.C.	414, 776	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Reinings, M.H.T.	1.055, 1.477	R		Rotta, M.A.C.	414, 776	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	
Reinhold, A.	1.941	R		Rotta, M.A.C.	414, 776	Rodriguez-Rodríguez, R.	1.332	Samborskiy, R.	1.428	

NAME	PRESENTATION N°	NAME	PRESENTATION N°	NAME	PRESENTATION N°	NAME	PRESENTATION N°	NAME	PRESENTATION N°	NAME	PRESENTATION N°
Sasagawa, Y.	1.389	Schwanninger, M.	1.671	Se'Yon, J.A.N.G.	1.818	Shin, Y.	204	Sirkko, A.	1.321, 1.816, 1.840,	Sorteberg, W.	1.767
Sasaki, T.	1.736, 1.737	Schwartz, T.H.	328, 382	Se'Yon, J.A.N.G.	1.6	Shima, H.	1.289, 1.984	Shima, A.	1.841, 1.869, 2.197, 2.199	Sosnin, A.	1.677
Sasani, M.	2.003	Seba, P.	1.848	Sezer, C.a.n.	2.026	Shimamura, N.	1.771	Sitoci-Ficci, K.	2.147, 2.148	Sosvorova, L.	591
Sato, Y.	573	Sebera, O.	915	Sfina, M.	1.815	Shin, I.	1.345, 1.560, 2.104	Skoch, J.	1.204, 1.878	Soto, A.	2.073, 2.078
Sav, A.	1.492, 1.571, 2.023	Sefidi, A.	60, 138	Sganzerla, E.P.	605, 2.100	Shin, J.	1.250, 1.969, 1.970, 1.971, 2.000	Skoglund, T.	1.867	Sotoparia, H.	1.358
Savadekar, A.M.E.Y.	1.546	Selero, A.	1.712	Shabarov, V.	1.475	Shin, M.	2.000	Skoludlik, D.	263	Soualimi, L.	161, 1.333, 1.521
Saveleva, T.	782,	Seidel, K.	592	Shabanov, S.	2.057	Shin, M.H.	1.707	Skomorac, R.	2.011	Spagnuolo, E.	411, 473, 807, 938
Savic, A.	1.225, 1.409, 1.473	Selert, V.	330, 331, 379, 399, 403, 577, 583	Shablily, V.A.	1.925	Shin, Y.	2.01	Skrap, M.	605	Spaho, E.	468
Savic, D.	1.267, 2.123, 2.124, 2.765,	Sefi, A.L.I.	1.853	Shaddad, M.	1.304, 1.631, 1.711	Shin, Y.S.	204, 1.710, 1.759	Skrivan, J.	564	Spanos, J.	2.007
Savic, D.	2.194	Seiz-Rosenhagen, M.	512	Shagal, L.V.	1.359, 1.723, 1.724, 1.743	Shin, Y.	1.259, 1.769, 1.770,	Slampa, P.	1.452	Sparks, R.	772
Savin, I.A.	1.516	Sekhar, A.	975	Shahar, T.	968, 1.497	Shin, Y.S.	1.781	Slezak, P.	1.655	Sparrow, O.	497, 498
Savintseva, Z.	1.272, 1.613	Sekhar, L.N.	733, 738, 742, 743	Shahid, H.	1.651	Shin-Hyuk, K.	1.261, 1.690	Smagulov, F.	2.097	Spazzapan, P.	2.055
Sazonov, I.A.	739	Sekmen, H.	606, 1.692	Shahinian, G.G.	1.839	Shinohima, N.	1.425	Smejanovich, A.	1.354, 1.559	Spena, G.	774, 1.961
Sbeih, I.	219	Sela, A.	697, 699, 840, 866	Shalashvili, G.	1.785, 2.106	Shishkina, L.	782	Smejanovich, V.	1.559	Spena, G.	144, 146, 470, 472,
Scerrati, A.	1.728	Selbakk, T.	1.450, 1.467, 1.468	Shamir, R.R.	1.274, 1.451	Shishkina, L.V.	1.515, 1.516, 2.060	Smelewski, P.	1.263, 1.896	Spetzler, R.	957, 1.077, 1.078, 1.192
Scerrati, M.	697, 699, 840, 866	Selbakk, T.	1.450, 1.467, 1.468	Shang, H.	966	Shkapyak, R.	2.197	Smirnov, V.	1.275, 1.902	Spetzler, R.F.	809
Schackert, G.	482,	Selenev, P.	1.067, 1.299	Shanko, Y.	1.559	Shkarubo, A.	510, 1.306, 1.524,	Smith, J.	2.171	Spiliotopoulos, A.	1.505, 2.062
Schackert, G.	819, 821, 2.147, 2.148	Selman, W.	52	Shapiro, O.	1.523, 1.524, 1.525, 1.544, 510	Shkatova, A.	1.525, 1.533, 1.534, 1.535	Smith, M.	1.203, 2.018	Spinner, R.	22, 31
Schafer, C.	2.198	Selvan, W.	52	Sharipov, O.	1.523, 1.524, 1.525, 1.544, 510	Shkatova, A.	1.402	Smith, T.R.	2.179	Spinner, R.J.	2.112
Schaller, K.	53, 202, 790, 1.088,	Selviaridis, P.	1.011, 1.176, 1.178,	Sharifulin, V.	1.777	Shkatsky, A.	1.669, 1.677	Spiriev, T.	1.278, 1.562, 2.169	Spiriev, T.	1.278, 1.562, 2.169
Schaller, K.	1.102, 1.129, 1.191, 1.226, 1.459,	Semenova, J.B.	1.516	Sharipov, O.	1.523, 1.524, 1.525, 1.544, 510	Shoaf, B.	1.059	Spirin, D.	1.487	Spirin, D.	1.487
Schaller, K.	1.752, 1.753, 2.192	Semenova, V.M.	1.4	Sharipov, O.I.	1.517	Shoashan, Y.	1.89, 443, 1.274, 1.451	Splata, S.	2.171	Splata, S.	2.171
Schar, R.T.	603	Sencer, A.	2.065, 2.076	Sharma, A.	2.052	Shoubay, M.	1.304, 1.631	Smolanka, V.	410, 487, 1.182,	Smolanka, V.	410, 487, 1.182,
Scharf, J.	1.214, 1.629	Sencer, A.	2.065, 2.076	Sharma, A.	2.052	Shoubay, M.	1.304, 1.631	Smolanka, V.	1.276, 1.277, 1.429, 1.430, 1.650,	Smolanka, V.	1.276, 1.277, 1.429, 1.430, 1.650,
Scheide, D.	1.384, 1.480, 1.499	Send, K.	702, 1.109	Sharma, A.K.	1.751	Shpekov, A.	2.096, 2.097	Smrcka, M.	734, 1.165, 1.169,	Smrcka, M.	734, 1.165, 1.169,
Scheufler, K.A.I.	245	Sendek, V.	296, 818, 1.508	Sharma, B.	2.025	Shubba, I.	1.383	Smyrnova, M.	1.452, 1.619, 1.730, 1.768, 1.865	Smyrnova, M.	1.452, 1.619, 1.730, 1.768, 1.865
Schiano di Cola, M.	2.084	Senf, C.	952	Sharma, B.S.	1.807	Shurkhai, V.	1.473	Snyderman, C.	1.84	Snyderman, C.	1.84
Schiariti, M.	1.355	Sengupta, S.	1.341	Sharma, D.	1.807	Shurkhai, V.	1.473	Sokol, B.	1.651, 2.168	Sokol, B.	1.651, 2.168
Schichor, C.	1.485	Senker, W.	245	Sharma, D.	1.807	Siakavella, M.	1.836, 1.837, 1.939,	Sol, J.C.	502	Sol, J.C.	502
Schick, M.	1.642	Senkevich, K.	1.272, 1.613	Sharma, M.	1.751	Sidak, S.	1.643	Soldo, I.	2.012	Soldo, I.	2.012
Schmidt, N.O.	889	Senko, I.	1.264, 1.460, 1.645	Shashkin, C.H.	2.097	Sidi Said, A.	1.643	Solheim, O.	1.392, 1.450, 1.467,	Solheim, O.	1.392, 1.450, 1.467,
Schmiedek, P.	1.642	Senol, O.	1.919	Shashkin, C.H.	2.097	Sidimaamar, M.	590	Söll, N.	1.694, 2.187	Söll, N.	1.694, 2.187
Schmitz, B.	1.642	Senturk, S.	2.034	Shatokhin, A.A.	2.009	Sidimaamar, M.	590	Söll, N.	1.694, 2.187	Söll, N.	1.694, 2.187
Schneider, T.	1.686, 1.696	Seo, Y.J.	1.319, 1.638, 2.117, 2.196	Shatokhin, A.V.	2.009	Sidimaamar, M.	590	Sollmann, N.	731, 2.256, 1.258,	Sollmann, N.	731, 2.256, 1.258,
Schöff, H.	2.198	Seppala, M.	88, 684, 686	Shatokhin, T.	1.777	Sidi Said, A.	1.643	Sollmann, N.	1.328, 1.440, 1.453, 1.454	Sollmann, N.	1.328, 1.440, 1.453, 1.454
Schoovaerts, F.	1.647, 1.978	Serban, D.	1.903, 2.014, 2.080	Shayakhmetov, N.	1.558	Sidi Said, A.	1.643	Soldov, A.	1.775	Soldov, A.	1.775
Schramm, J.	130, 702, 1.085,	Sergeev, G.	1.040, 1.411, 1.582,	Shayakhmetov, T.	1.067, 1.299	Sidi Said, A.	1.643	Sollan, E.	1.561, 2.098, 2.099	Sollan, E.	1.561, 2.098, 2.099
Schramm, J.	1.087, 1.109, 1.190, 1.198	Serizawa, T.	1.585	Shchemelov, A.	1.835	Sidi Said, A.	1.643	Soma, N.	1.234, 1.659, 1.931	Soma, N.	1.234, 1.659, 1.931
Schröder, H.W.S.	1.601	Serizawa, T.	1.585	Sheha, A.	1.765	Sidi Said, A.	1.643	Son, C.	713, 1.842, 2.053, 2.149	Son, C.	713, 1.842, 2.053, 2.149
Schröder, K.R.	2.198	Serizawa, T.	1.585	Sheha, A.	1.765	Sidi Said, A.	1.643	Son, C.	713, 1.842, 2.053, 2.149	Son, C.	713, 1.842, 2.053, 2.149
Schröder, H.	826	Serizawa, T.	1.585	Sheha, A.	1.765	Sidi Said, A.	1.643	Son, Y.J.	1.668	Son, Y.J.	1.668
Schubert, G.	604, 1.838	Serizawa, T.	1.585	Sheha, A.	1.765	Sidi Said, A.	1.643	Song, J.H.	1.748	Song, J.H.	1.748
Schubert, G.A.	1.214, 1.293, 1.629	Serizawa, T.	1.585	Sheha, A.	1.765	Sidi Said, A.	1.643	Song, X.I.N.	521, 773	Song, X.I.N.	521, 773
Schuucht, P.	592, 1.082, 1.439,	Servadei, F.	611, 621, 624, 1.123,	Servadei, F.	1.416, 1.979	Sidi Said, A.	1.643	Sonmez, M.	2.054	Sonmez, M.	2.054
Schuucht, P.	1.920, 1.921	Servadei, F.	611, 621, 624, 1.123,	Servadei, F.	1.416, 1.979	Sidi Said, A.	1.643	Sonntag, V.	240, 241, 785, 1.158,	Sonntag, V.	240, 241, 785, 1.158,
Schuucht, P.	1.868, 1.978	Servadei, F.	611, 621, 624, 1.123,	Servadei, F.	1.416, 1.979	Sidi Said, A.	1.643	Steianescu, F.	1.713	Steianescu, F.	1.713
Schulte, D.M.	512	Serxner, B.	169	Shaban, E.246, 1.025, 1.343, 1.344,	1.416, 1.979	Sidi Said, A.	1.643	Steiger, H.	1.060, 1.062	Steiger, H.	1.060, 1.062
Schupbach, M.	2.095	Setton, A.	183	Shaban, E.246, 1.025, 1.343, 1.344,	1.416, 1.979	Sidi Said, A.	1.643	Stein, M.	1.055	Stein, M.	1.055
Schwab, J.	1.597	Shifrin, M.A.	1.551	Shaban, E.246, 1.025, 1.343, 1.344,	1.416, 1.979	Sidi Said, A.	1.643	Steindler, J.	1.279, 1.587	Steindler, J.	1.279, 1.587
Schwan, A.Z.	1.625	Shim, K.	1.818	Shaban, E.246, 1.025, 1.343, 1.344,	1.416, 1.979	Sidi Said, A.	1.643	Steklacova, A.	1.347, 1.783	Steklacova, A.	1.347, 1.783
Schwan, A.Z.	1.625	Shim, K.W.	1.342	Shaban, E.246, 1.025, 1.343, 1.344,	1.416, 1.979	Sidi Said, A.	1.643	Steno, A.	1.767	Steno, A.	1.767

NAME	PRESENTATION N°	NAME	PRESENTATION N°	NAME	PRESENTATION N°	NAME	PRESENTATION N°	NAME	PRESENTATION N°	NAME	PRESENTATION N°
Steno, J.	215, 217, 291, 295, 385, 783, 1.200	Svoboda, Z.	1.619	Tapia Perez, J.H.	1.696, 1.941	Thompson, R.	1.057	Trifonov, I.	1.283, 1.870	Uhal, M.M.	2.02
Stensjřen, A.L.	1.392	Syched, A.A.	466, 547, 992	Tapia-Perez, J.H.	511, 1.686	Thon, N.	1.485	Trofimova, T.	1.272, 1.613	Uhal, T.	2.065
Stępan-Buksakowska, I.	1.596	Syed, F.	2.172	Tarabay, A.	1.11	Thron, A.K.	254	Trojanec, R.	1.374	Undabaltia, J.	1.474
Stepanek, D.	1.955	Syed, H.	2.079, 2.171, 2.172, 2.206	Tarantino, R.	2.044	Tian, Y.	1.281, 1.578, 2.189	Trojanowski, T.	1.339	Uhiu, E.	1.3
Stepaniak, A.	1.339	Synowitz, M.	1.280, 1.417, 1.418, 1.419, 1.420, 1.421	Tarantsev, I.	1.04	Tichy, M.	705, 730, 794, 796, 1.251, 1.279, 1.567, 1.587, 1.597, 2.110	Trope, M.	1.274, 1.451	Uhsal, D.	1.668
Stetter, C.	1.999	Syrmos, N.	1.845, 1.940	Taras, H.	1.43	Tros, G.	165, 321	Trungu, S.	691, 2.162	Uhsalgard, G.	1.467, 1.468
Stidd, D.	1.204, 1.878	Sysoev, K.	1.456	Tardáguila Serrano, M.	1.981	Tsunay, Y.U.Y.U.	1.516	Trunn, Y.U.Y.U.	1.061, 1.064	Ungsgard, G.	1.450, 105, 110, 981,
Stieg, P.E.	557, 1.541, 1.542, 1.591	Syrnik, A.	1.846	Tardáguila Serrano, T.	2.013	Tsai, B.R.	1.762, 2.128, 2.175	Unterberg, A.	982, 1.238, 1.373	Ungsgard, G.	1.450, 105, 110, 981,
Stieglitz, L.	2.095	Szabo, J.	465	Tardáguila, M.	1.476	Tsai, P.J.	1.864	Ural, P.	2.143	Ungsgard, G.	1.450, 105, 110, 981,
Stock, K.	1.280, 1.419	Szabó, N.	1.596	Tardivo, V.	1.526, 1.563, 2.077	Tsanis, G.	1.482	Urculo, E.	1.474	Ungsgard, G.	1.450, 105, 110, 981,
Stoile, C.H.	2.016	Szalecki, K.	1.561, 2.098, 2.099	Tarim, O.	1.831	Tschan, C.A.	1.595	Uri, O.	1.927, 1.951	Ungsgard, G.	1.450, 105, 110, 981,
Stöiling, I.	1.671	Szelenyi, A.	620, 625	Tarmaris, A.	2.157	Tsikanishvili, L.	1.35	Urunbayev, Y.	792, 1.908, 1.909,	Ungsgard, G.	1.450, 105, 110, 981,
Stoodley, M.	773, 521	Szikora, I.	180, 201, 436, 437	Tatagiba, M.	91, 92, 1.004, 1.006, 1.278, 1.562, 2.169	Ting-Chung, W.	1.744	Unterberg, A.	982, 1.238, 1.373	Ungsgard, G.	1.450, 105, 110, 981,
Storogenko, D.	2.197	Szulkowski, F.	1.421	Tataranu, L.	1.494	Ting-Chung, W.	1.744	Ural, P.	2.143	Ungsgard, G.	1.450, 105, 110, 981,
Stovell, M.G.	1.314	Tachibana, O.	1.389	Tatarani, H.T.	1.991	Ting-Chung, W.	1.744	Urculo, E.	1.474	Ungsgard, G.	1.450, 105, 110, 981,
Strachan, R.	2.165	Taga, Y.	865	Tatari, N.	1.682, 1.918, 1.919, 1.959, 1.960, 1.990	Ting-Chung, W.	1.744	Urculo, E.	1.474	Ungsgard, G.	1.450, 105, 110, 981,
Strojnik, T.	1.982	Tajagi, K.	1.849	Tateishi, K.	712	Ting-Chung, W.	1.744	Urculo, E.	1.474	Ungsgard, G.	1.450, 105, 110, 981,
Stropnický, M.	57	Takagi, K.	1.862, 2.188	Taw, R.G.	530	Ting-Chung, W.	1.744	Urculo, E.	1.474	Ungsgard, G.	1.450, 105, 110, 981,
Stummer, W.	156, 617	Takayasu, M.	1.289, 1.568, 1.984	Taylor, A.	2.179	Ting-Chung, W.	1.744	Urculo, E.	1.474	Ungsgard, G.	1.450, 105, 110, 981,
Stupak, V.	2.056, 2.057	Take, Y.	967, 1.697, 1.736, 1.737	Taylor, M.	1.215, 1.805	Ting-Chung, W.	1.744	Urculo, E.	1.474	Ungsgard, G.	1.450, 105, 110, 981,
Sturiale, C.	615, 1.610, 1.704	Takeda, R.	967, 1.736, 1.737	Tazina, E.	1.775	Ting-Chung, W.	1.744	Urculo, E.	1.474	Ungsgard, G.	1.450, 105, 110, 981,
Su, Z.	538, 966, 2.191	Takey, A.M.	1.336, 1.483, 1.484	Teasdale, G.	540, 546, 679, 1.206, 1.849	Ting-Chung, W.	1.744	Urculo, E.	1.474	Ungsgard, G.	1.450, 105, 110, 981,
Suchomel, P.	162, 319, 929, 932	Tajitsu, K.	1.684	Tehli, O.	1.313, 1.583, 1.861, 2.116	Ting-Chung, W.	1.744	Urculo, E.	1.474	Ungsgard, G.	1.450, 105, 110, 981,
Suess, O.	1.989	Takayama, M.	1.289, 1.568, 1.984	Teixeira, J.	1.379, 1.823, 1.824, 2.041	Ting-Chung, W.	1.744	Urculo, E.	1.474	Ungsgard, G.	1.450, 105, 110, 981,
Sugata, S.	303, 1.050, 2.200	Takey, Y.	967, 1.697, 1.736, 1.737	Teixidor, P.	1.222, 2.180	Ting-Chung, W.	1.744	Urculo, E.	1.474	Ungsgard, G.	1.450, 105, 110, 981,
Sugiyama, Y.	1.716	Takeda, R.	967, 1.736, 1.737	Tekiner, A.	1.831	Ting-Chung, W.	1.744	Urculo, E.	1.474	Ungsgard, G.	1.450, 105, 110, 981,
Sulentic, V.	1.255, 2.085	Takey, A.M.	1.336, 1.483, 1.484	Temiz, C.	1.583, 1.861, 2.116	Ting-Chung, W.	1.744	Urculo, E.	1.474	Ungsgard, G.	1.450, 105, 110, 981,
Suljacic, E.	801	Takezaki, T.	1.425	Temme, A.	961, 964	Ting-Chung, W.	1.744	Urculo, E.	1.474	Ungsgard, G.	1.450, 105, 110, 981,
Sumerauer, D.	730	Takigawa, T.	1.716	Tender, G.	1.903, 2.014, 2.080	Ting-Chung, W.	1.744	Urculo, E.	1.474	Ungsgard, G.	1.450, 105, 110, 981,
Sumida, M.	303	Talacchi, A.	236, 523, 525	Terjz, G.	1.342	Ting-Chung, W.	1.744	Urculo, E.	1.474	Ungsgard, G.	1.450, 105, 110, 981,
SUN, J.	1.528	Talypov, A.	1.245, 1.820, 1.846	Terpolilli, N.	1.485	Ting-Chung, W.	1.744	Urculo, E.	1.474	Ungsgard, G.	1.450, 105, 110, 981,
Sung, J.	1.666, 1.784	Talypov, A.E.	1.283, 1.819, 1.870	Tessitore, E.	532, 536	Ting-Chung, W.	1.744	Urculo, E.	1.474	Ungsgard, G.	1.450, 105, 110, 981,
Sung, J.H.	1.658	Tamarit, M.	2.058, 2.152	Tetrault, L.	720	Ting-Chung, W.	1.744	Urculo, E.	1.474	Ungsgard, G.	1.450, 105, 110, 981,
Sung, S.O.	2.089, 2.102	Tamasauskas, A.	980	Thakur, B.	1.942	Ting-Chung, W.	1.744	Urculo, E.	1.474	Ungsgard, G.	1.450, 105, 110, 981,
Surasak, K.	280	Tamburrijo, K.	1.349	Thani, N.	1.935	Ting-Chung, W.	1.744	Urculo, E.	1.474	Ungsgard, G.	1.450, 105, 110, 981,
Sure, U.	469, 471	Tanaka, S.	303, 712	Thelin, E.	2.129	Ting-Chung, W.	1.744	Urculo, E.	1.474	Ungsgard, G.	1.450, 105, 110, 981,
Suresh, N.	481	Tanaka, Y.	1.234, 1.659, 1.716, 1.931, 2.193	Theodoropoulos, S.	1.939, 1.977, 2.007, 2.050, 2.146	Ting-Chung, W.	1.744	Urculo, E.	1.474	Ungsgard, G.	1.450, 105, 110, 981,
Surkala, J.	783	Tani, S.	228	Thinkampop, B.	1.847	Ting-Chung, W.	1.744	Urculo, E.	1.474	Ungsgard, G.	1.450, 105, 110, 981,
Suslu, H.	1.682, 1.990, 2.114	Tanigawa, N.	1.247, 1.440, 1.443	Thomale, U.	846	Ting-Chung, W.	1.744	Urculo, E.	1.474	Ungsgard, G.	1.450, 105, 110, 981,
Suslu, H.T.	1.682, 1.918, 1.919, 1.959, 1.960, 1.990, 1.991, 2.114	Tanino, A.	1.559	Thomas, J.	1.834	Ting-Chung, W.	1.744	Urculo, E.	1.474	Ungsgard, G.	1.450, 105, 110, 981,
Sutovsky, J.	1.973	Tanno, Y.	1.640, 1.670	Thome, C.	790, 164, 239, 320, 360, 362, 527, 604, 898, 2.059	Ting-Chung, W.	1.744	Urculo, E.	1.474	Ungsgard, G.	1.450, 105, 110, 981,
Suzer, T.	2.003	Tanriku, B.	865	Thomson, N.	2.164	Ting-Chung, W.	1.744	Urculo, E.	1.474	Ungsgard, G.	1.450, 105, 110, 981,
Suzuki, K.	1.716	Tanriku, B.	865	Tian, Y.	1.281, 1.578, 2.189	Ting-Chung, W.	1.744	Urculo, E.	1.474	Ungsgard, G.	1.450, 105, 110, 981,
Suzuki, R.	1.716	Tanriku, L.	1.838	Tarantsev, I.	1.04	Ting-Chung, W.	1.744	Urculo, E.	1.474	Ungsgard, G.	1.450, 105, 110, 981,
Svihlova, H.	1.229, 1.756	Tanriöver, N.	2.164	Taras, H.	1.43	Ting-Chung, W.	1.744	Urculo, E.	1.474	Ungsgard, G.	1.450, 105, 110, 981,
Svoboda, K.	1.768	Tanriverdi, O.	2.164	Tarasov, M.	1.43	Ting-Chung, W.	1.744	Urculo, E.	1.474	Ungsgard, G.	1.450, 105, 110, 981,
Svoboda, M.	619, 1.793	Tanriverdi, O.	2.164	Tarantsev, I.	1.04	Ting-Chung, W.	1.744	Urculo, E.	1.474	Ungsgard, G.	1.450, 105, 110, 981,

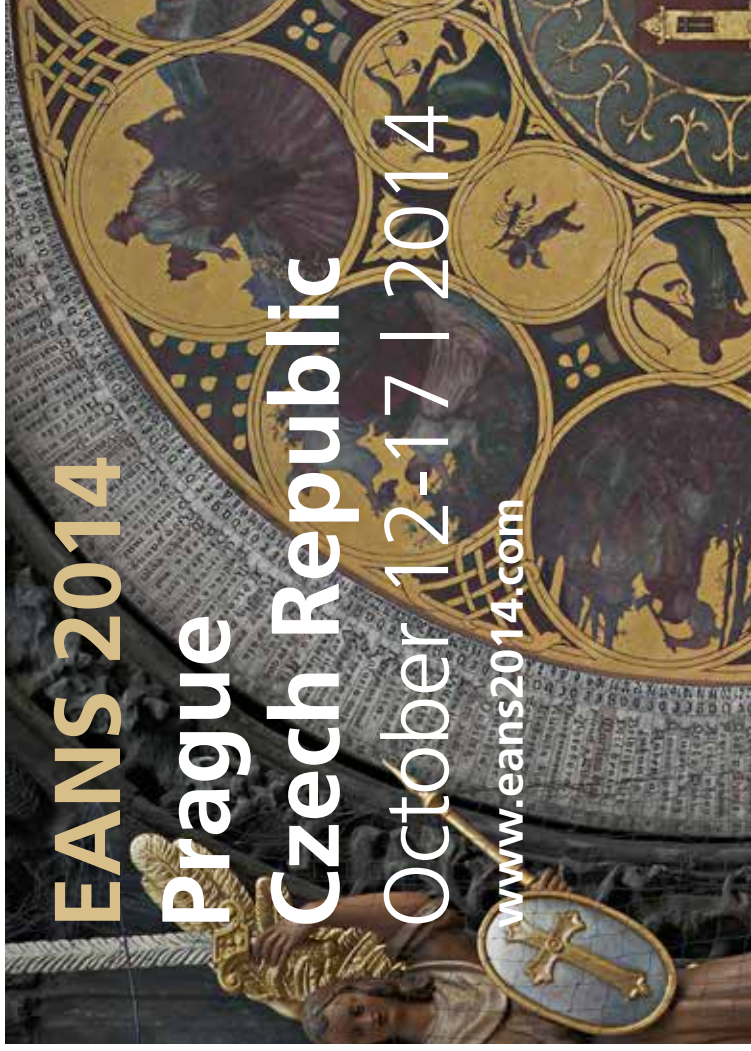
NAME	PRESENTATION N°	NAME	PRESENTATION N°
Vandertop, P.	629	Voelliger, B.	511, 1, 941
Vandertop, WP.	575, 1, 731	Voirin, J.	748, 1, 260
Vánek, P.	531, 533, 1, 161	Volkodav, O.	1, 617, 1, 618
Vantomme, N.	1, 621, 1, 702	Vollbrandt, T.	1, 671
Vapor, I.	1, 431, 1, 616	von Lehe, M.	702, 1, 109
Vapas, B.	1, 422	Vorobyov, A.	1, 475
Vardiman, A.	2, 053	Vorsic, M.	1, 982
Vardja, M.	1, 356	Voulgaris, P.	1, 31
Varkuti, B.	985	Voulgaris, S.	1, 310, 1, 387
Varsos, G.V.	1, 263, 1, 896	Voyadzis, J.M.	2, 079
Vasilevich, E.	1, 559	Vranic, A.	1, 403
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MONDAY, OCTOBER 13, 2014 12:30-13:30, HALL B

CYBERKNIFE® ROBOTIC RADIOSURGERY: FROM BRAIN TO SPINE WITHOUT LIMITS

Symposium Organised by



Chair: Kita Sallabanda

- 12:30 INTRODUCING CYBERKNIFE®: FRAME-LESS, IMAGE-GUIDED ROBOTIC RADIOSURGERY – **Petr Jordan**
- 12:45 CYBERKNIFE FOR MENINGIOMAS: A TREATMENT WITH CHANGING PARADIGMS – **Alfredo Conti**
- 13:00 CYBERKNIFE: ROBOTIC RADIOSURGERY ANYWHERE IN THE SPINE – **Alexander Muacevic**
- 13:15 CONCLUDING REMARKS – **Kita Sallabanda**
- 13:20 CLOSING – **Birgit Fleurent**
Lunch boxes will be served

MONDAY, OCTOBER 13, 2014 12:30-13:30, HALL C

PERSPECTIVES IN ANEURYSMAL SUBARACHNOID HEMORRHAGE

Symposium Organised by



Chair: Daniel Hänggi

- 12:30 THE FUTURE OF SURGERY – **Luca Regli**
- 12:50 PERSPECTIVES OF ENDOVASCULAR TREATMENT STRATEGIES – **TBC**
- 13:10 NEUROINTENSIVE CARE MANAGEMENT IN THE FUTURE – **Erich Schmutzhard**

TUESDAY, OCTOBER 14, 2014 12:30-13:30, HALL B

GLACE™ CRANIAL IMPLANT – LONG TERM CLINICAL OUTCOME

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Skulle Implants

Chair: Pekka Vallittu

- 12:30 NEW BIOACTIVE FIBER COMPOSITE CRANIAL IMPLANT – **Pekka Vallittu**
- 12:45 COMPARISON OF CRANIOPLASTY MATERIALS, RETROSPECTIVE REVIEW OF 96 PATIENTS – **Jussi Posti**
- 13:00 CLINICAL CASE PRESENTATIONS AND LONG-TERM RESULTS – **Ville Vuorinen**
- 13:15 GLACE PRODUCT PORTFOLIO – **Hanna Liuke**

TUESDAY, OCTOBER 14, 2014 12:30-13:30, HALL C

BLUE 400. YELLOW 560. COMPLEMENTARY TECHNOLOGIES IN THE CLINICAL PRAXIS?

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Chair: Andre Grotenhuis

- 12:30 ALL ASSEMBLE AND TAKE STAGE
- 12:35 INTRODUCTION – **Andre Grotenhuis**
- 12:40 WHY HE USES BLUE 400? – **Walter Stummer**
- 12:50 WHY HE USES YELLOW 560? – **Giovanni Broggi**
- 13:00 PANEL DISCUSSION
- 13:20 QUESTIONS
- 13:25 CONCLUSION AND CLOSING

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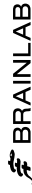


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www.everpharma.com



EVER Neuro Pharma is an Austrian pharmaceutical company focused on the field of neuroscience. Based on our experience and proprietary R&D technology platform we develop innovative therapies for neurological disorders.

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EVONOS GMBH & CO.KG

Stockacher Str. 134
D-78532 Tuttlingen
Germany
www.evonos.de



medical technology at the head

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As a medical technology company, evonos develops instruments, implants, devices and system solutions for neurosurgery, orthopedics and spine surgery, which physicians and patients around the world rely on. Wherever the evonos products are used it's about life. Our Products and Services are created to reliably diagnose the health status of patients, to treat them minimally invasively and to improve the quality of their life.

FZIOMED, INC.

231 Bonetti Drive
San Luis Obispo, CA 93401
USA
www.fziomed.com



FzioMed specializes in absorbable, surgical biomaterials based on our patented polymer science. FzioMed products include Oxiplex® Gel, the leading adhesion barrier for spine surgery approved in almost 70 countries, with over 370,000 patients treated worldwide. The company has filed a PMA for U.S. approval of Oxiplex.

A new product called Dynavisc® has been launched which is used to protect tendons and peripheral nerves from adhesions after surgery. Dynavisc is CE marked and available throughout the EU, MEA and Australia.

GE HEALTHCARE

231 Bonetti Drive
GE Medical Systems Česká republika, s.r.o.
Vyskočilova 1422/1a
140 28 Praha 4
Czech Republic
gehealthcare.com



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Lumbar discectomy is typically effective at acute resolution of symptoms from a herniated disc. However, longer term results are not so successful, with multiple population based studies documenting a 20% reoperation rate at 10 years. Patients with large anular defects are at particularly high risk of recurrent herniation.

Intrinsic Therapeutics' bone-anchored Barricaid® implant is designed to close these large anular defects, and allows surgeons to perform a limited nucleotomy in every patient, thereby preserving biomechanics, while preventing reherniations by securely closing the anular defect.

JEIL MEDICAL CORPORATION

#702 Kolon Science Valley 2nd
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Seoul, 152-728
Republic of Korea



Jeil Medical Corporation develops, manufactures and sells Medical device such as Titanium fixation Screw and plates and related surgical instruments for Dental/OMF/Neuro and Orthopedic small bone surgery.

The company was established in 1991 based in Seoul, Korea. Since the establishment, we start to dominates domestic Market and export over the world.

The certificates of the products that our company owns are CE certificate Directive 93/42/EEC, the US FDA 510K, Health Canada and Chinese SFDA will be issued soon. We have registered our products in a number of other countries.

The certificates of quality maintenance that we own are ISO9001, ISO13485 and KGMP. We manufacture products of the best quality through strict quality maintenance.

K2M INC.

751 Miller Drive, SE
Leesburg, Virginia 20175
USA
www.k2m.com



K2M Group Holdings, Inc. is a global medical device company focused on designing, developing and commercializing innovative complex spine and minimally invasive spine technologies and techniques used by spine surgeons to treat some of the most difficult and challenging spinal pathologies. K2M has leveraged these core competencies to bring to market an increasing number of products for patients suffering from degenerative spinal conditions. These technologies and techniques, in combination with a robust product pipeline, enables the company to favorably compete in the global spinal surgery market.

KARL STORZ GMBH & CO. KG

Mittelstrasse 8
78532 Tuttlingen
Germany
www.karlstorz.com



KARL STORZ is a renowned manufacturer that is well established in all fields of endoscopy and can be considered as market leader in rigid endoscopy. The still family held company was founded in 1945 in Tuttlingen, Germany, and has grown to one with a worldwide presence and 6400 employees. KARL STORZ offers a range of both rigid and flexible endoscopes for a broad variety of applications. Today's product range also includes fully integrated concepts for the OR and servicing.

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LEICA MICROSYSTEMS GMBH**Ernst-Leitz-Strasse 17-37****35578 Wetzlar****Germany****www.leica-microsystems.com**

Leica Microsystems is a world leader in microscopes and scientific instruments. Founded as a family business in the nineteenth century, the company's history was marked by unparalleled innovation on its way to becoming a global enterprise.

Its historically close cooperation with the scientific community is the key to Leica Microsystems' tradition of innovation, which draws on users' ideas and creates solutions tailored to their requirements. At the global level, Leica Microsystems is organized in three divisions, all of which are among the leaders in their respective fields: the Life Science Division, Industry Division and Medical Division.

The company is represented in over 100 countries with 6 manufacturing facilities in 5 countries, sales and service organizations in 20 countries, and an international network of dealers. The company is headquartered in Wetzlar, Germany.

LINET**Zelevcice 5****274 01 Slany****Czech Republic****www.linnet.com**

LINET Group SE is a leading global manufacturer and distributor of beds and accessories for hospital and nursing-care settings. The company was founded in 2011 by owners of Czech company LINET spol. s r.o. and German manufacturer of nursing care beds wissner-bosserhoff GmbH. Total production capacity of 120,000 beds and revenues of 3.5 billion CZK in the 2012/13 fiscal year make holding the European market leader.

Over 90 percent of production is exported to more than 100 countries around the world. Company employs approximately 900 people in the Czech Republic, Germany and other European countries, also in the USA, Mexico and Brazil. Thanks to its extensive distribution network, LINET Group SE has also launched successful undertakings in other markets in South America, Africa, the Middle East, and India.

MAGFORCE AG**Max-Planck-Strasse 3****Berlin, 12489****Germany****www.magforce.com**

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MagForce is a leading company in the area of nanotechnology-based cancer treatment, with its NanoTherm® therapy being CE approved in the EU for the use in treatment of brain tumors. The principle of the therapy is the intratumoral instillation of proprietary coated nanoparticles containing iron oxide via minimal invasive procedure. Patients are subsequently treated in an alternating magnetic field (NanoActivator®). Through a high frequency magnetic field the NanoTherm® particles oscillate and produce heat from directly within the tumor leading to thermal ablation of tumor cells and sensitization to accompanying chemo- or radiation therapy at the rim of the tumor.

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NSK EUROPE GMBH

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Germany
www.nsk-surgery.com/en



NSK is a Japanese manufacturer of surgical and dental drills with over 80 years experience in these markets. Since its establishment in 1930, NSK has dedicated itself to the development and production of high speed rotational technologies. To this day, NSK has grown into one of the global leading suppliers of surgical drill systems (Primado, Primado2).

During the last 5 years, the worldwide use of Primado helped gather valuable recommendations for improvement, which have now been implemented in Primado2 under the premise of meticulous attention to top quality products. The product was developed for the challenging demands in neurological and spinal surgery, and is characterized by ultimate precision, ease of use and a favourable cost-benefit ratio.

NSPINE

www.nspine.co.uk



NSpine is the UK's most comprehensive spine review course. Hosted biennially by an organising committee of surgeons Bronek Boszczyk, Sherief Elsayed and Masood Shafiqy, as well as a collective of leading clinicians and researchers, the NSpine team are driven by the mantra of innovative spine education. Next year's event will be held from the 22nd-28th of June and will invite a leading international faculty from across spinal disciplines to disseminate their knowledge of best practice procedures. Medical professionals from across the healthcare industry, from doctors and nurses through to anaesthetists and vets are encouraged to attend for a unique educative experience.

NTPLAST S.R.L.

Registered office:
Via Frua 24, 20146 Milano – Italy
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Ntplast conceives, engineers, and manufactures innovative biomedical devices. Ntplast team is strongly multidisciplinary and combines a wide range of skills: R&D, design & engineering, regulatory & process expertise, knowledge of the clinical world. Our ideas arise from a close link with surgeons and physicians and aim to provide new answers to actual needs. Ntplast flagship products are implantable devices, manufactured mainly by injection molding of polymers. Neurosurgery and cardiosurgery are primary application area for Ntplast products. Ntplast aims to sell its products to the international medical device market.

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Japan
kezlex.com/en



Ono & Co. manufactures medical models, KEZLEX, using actual patients' DICOM data from CT scans and MRIs. The models precisely reproduce the inner structure, including bones, nerves, and blood vessels. They can be cut, drilled and sewed with surgical instruments and are known as the best tool for surgical simulation. KEZLEX models have been adopted at many hands-on workshops for academic training not only in Japan but overseas as well.

PENUMBRA EUROPE GMBH

Am Borsigturm 44
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www.penumbrainc.com



Penumbra, Inc. is a privately held medical device company that strives to create and maintain a culture of innovation and independence to develop products that continuously challenge the status quo and improve patient outcomes.

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www.prmisurgical.com



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www.sonowand.com



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Presentations:

1. The Future of Surgery

Prof. Dr. Luca Regli
Zürich, Switzerland

2. Perspectives of Endovascular Treatment Strategies
TBD

3. Neurointensive Care Management in the Future

Prof. Dr. Erich Schmutzhard
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Petr Jordan, Manager, Imaging Research, Accuray Incorporated
- **CyberKnife for meningiomas: A treatment with changing paradigms**
Dr. Alfredo Conti, Azienda Ospedaliera Universitaria Policlinico Gaetano Martino, Messina, Italy
- **CyberKnife: Robotic radiosurgery anywhere in the spine**
Prof. Alexander Muacevic, MD, Cyberknife Center Munich, Germany
- **Concluding remarks**
Dr. Kita Sallabanda, Instituto Madrileño de Oncología, Madrid, Spain
- **Closing**
Birgit Fleurent, VP Marketing & Patient Access, Accuray International

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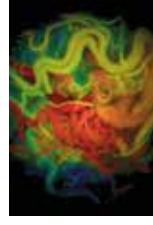
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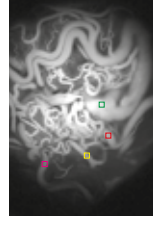


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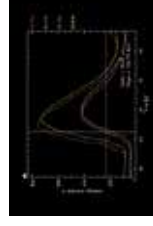
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