



15th INTERIM MEETING OF THE WORLD FEDERATION OF NEUROSURGICAL SOCIETIES

SEPTEMBER 8 -12, 2015 ROME



PROGRAM



www.wfnsinterimrome2015.org



CONTENTS

WFNS PRESIDENT'S MESSAGE

On behalf of the World Federation of Neurosurgical Societies it is my great pleasure to invite you to the 2015 WFNS Interim Meeting in Rome.

As you know, the WFNS hosts a major meeting every two years, one of which is the World Congress and the other is the WFNS Interim Meeting. The 2015 Interim Meeting will take place in Rome from September 8-12, and will include an extensive scientific program and a stimulating social program, both of which are being organized by the Italian Neurosurgical Society. It will, of course, also provide participants with an opportunity to explore one of the great cities of the world.

This will be a very significant meeting for the WFNS for two reasons. The first is that we will be celebrating the 60th anniversary of the founding of our organization. The second is that a number of functions and structures in our organization have become outdated and need to be revised and renewed. This work will be taken up by the Executive Council when delegates from each member society assemble during the Interim Meeting with the purpose of discussing a number of challenges facing the WFNS.

This exceptional occasion is being organized by Professors Tomasello, Delfini and Servadei and the members of the Italian Neurosurgical Society under the Presidency of Professor Alberto Delitala, who have been planning and preparing this event for you since 2011. They are taking great pleasure in making sure that your visit Rome, known everywhere as the "Eternal City", will remain forever in your memory.

The Italians are justly famous for their gracious hospitality. I hope that you will be able to take part in this superb conference, and I look forward to seeing you there.

With warm regards,

Yong-Kwang Tu, MD, PhD
President, World Federation of Neurosurgical Societies





CONGRESS PRESIDENTS WELCOME MESSAGE

Dear Colleagues and Friends,

it is our great pleasure to announce the 15th Interim Meeting of the World Federation of Neurosurgical Societies (WFNS), which will take place in Rome on September 8th-12th, 2015.

It is a privilege for the Italian Society of Neurosurgery (SINch) to host this important event after the success of the previous Meetings of Porto de Galinhas, Brazil in 2011 and Nagoya, Japan in 2007 and it is a great honor for us to serve the WFNS, the world professional and scientific organization whose aim is to promote global improvement in neurosurgical care.

The European Association of Neurosurgical Societies (EANS) is also delighted that Europe was chosen for the next WFNS Interim Meeting in Rome in 2015 and for the World Congress in Istanbul in 2017.

The Meeting will focus on the major breakthroughs and advances in Neurosurgery, from clinical practice to research, technology and innovation for a top-level scientific programme, including many opportunities for young neurosurgeons through hands-on and educational courses.

Rome is listed by UNESCO as a World Heritage Site and is one of the greatest open-air museums, recalling about 3000 years of the history of Civilization. For this reason the Meeting theme is "From ancient Rome to modern world Neurosurgery".

We will do our best to make this Interim Meeting an unforgettable one and hope that you will enjoy the exciting scientific and social events that we have already begun to plan.

Strengthening friendship among neurosurgeons in the age of globalization and, as stated in the World Congress of Seoul, "building bridges for one neurosurgery in this world" will drive our work in the organization of Rome 2015.

We look forward to seeing you in Rome.

Francesco Tomasello
Congress President



Roberto Delfini
President Local Committee



Franco Servadei
Chair Scientific Committee



ITALIAN SOCIETY PRESIDENT'S MESSAGE

"Roma Caput Mundi!" This Latin phrase means "capital of the world" , literally "head of the world" . It originates out of a classical understanding of the known world: Europe, North Africa, and Southwest Asia. And today, thanks to your contributes, we have the privilege to have in Rome the best of neurosurgical "Mundi". The Italian Society of Neurosurgery (SiNch) is proud to host the worldwide neurosurgical community. This is a great goal reached thanks to the attendance and the prominence of some giants of the Italian Neurosurgery. Our thoughts to Albino Bricolo and Paolo Cantore, now in the neurosurgical Olympus. And thanks to the strong will of Gianni Broggi, Franco Servadei and to the willfulness of the President of the Congress Francesco Tomasello that our dream to have the WFNS in Roma is realizing.

Primarily in the web age, with the scientific communication incredibly fast, the need to meet is crucial, to filter the innovations, to share directly the experiences, to discuss into and outside the sessions the pros and cons of each indication, to meet old friends and to make new relationships. The Italian healthsystem is quoted at a good level; it will be interesting to compare with neurosurgeons from different countries how and where to invest for neurosurgical care and research. We will face at the same time with rich healthsystems, some with strong inequalities, with developing countries, with population afflicted by terrible wars or suffering for natural catastrophes. In some countries the researches for brain tumor and vascular disease are attracting more and more resources, in some the aging population and the degeneration of the brain and of the spine are under spotlight, other are more dedicated to road or war trauma. Since now, we have to fight against three big enemies of neurosurgery: the incorrect use of resources, the legal interference on appropriate indications, the antibiotic resistance.

The next generation of neurosurgeons is claimed to face with these open questions. 150 young neurosurgeons, coming from different countries, are hosted in Rome by the Italian Society of Neurosurgery. And we are strongly supporting the project to enhance the role of the Federation in less developed countries, to facilitate the interactive participation and to encourage discussion groups through web platforms.

Welcome to Rome, for five days "Caput Mundi" !

Alberto Delitala
President of the Italian Society of Neurosurgery





COMMITTEES

Organizing Committee

Francesco Tomasello, *President of the Meeting*
Roberto Delfini, *President of the Local Organizing Committee*
Michelangelo Gangemi, *Secretary*
Giancarlo Guizzardi, *Treasurer*

Scientific Committee

Franco Servadei, *Chair of the Scientific Committee*
Paolo Cappabianca, *Co-chair*
Vincenzo Esposito, *Co-chair*

Neuro-oncology: Lorenzo Bello, Miran Skrap, Francesco Di Meco,
Carmine Carapella, Alfredo Conti

Neurovascular: Alberto Pasqualin, Sergio Paolini, Marco Cenzato,
Marco Maria Fontanella, Antonio Santoro

Neurotrauma: Stefano Signoretti, Corrado Iaccarino,
Roberto Stefani, Filippo Flavio Angileri

Spine & Peripheral: Stefano Ferraresi, Gualtiero Innoncenzi,
Maurizio Fornari, Andrea Barbanera, Raffaele De Falco, Franco Guida

Functional & Pediatric: Angelo Franzini, Angelo Lavano, Paola Peretta,
Massimo Caldarelli, Giorgio Lo Russo

Education, Ethics & Socio-Economic: Alessandro Ducati, Vincenzo Antoni D'Angelo,
Pasqualino De Marinis

Honorary Presidents

Giovanni Broggi
Giampaolo Cantore †

Honorary Committee

Enrico De Divitiis
Alberto Dorizzi
Sergio Maria Gaini
Antonio Riccio
Roberto Matteo Villani

Fundraising Committee

Vincenzo D'Angelo
Francesco Di Meco
Natale Francaviglia
Umberto Godano
Giancarlo Guizzardi
Michele Naddeo

Organizing sub Committee

Filippo F. Angileri
Martina Cappelletti
Felice Esposito
Benedetta Fazzolari
Alessandro Landi
Andrea Ruggeri
Domenico Solari

Web & Social Committee

Filippo F. Angileri
Alfredo Conti
Andrea Ruggeri
Domenico Solari

Local Organizing Committee

Carmelo Anile, *Gemelli University Hospital (Rome)*
Massimo Caldarelli, *Gemelli University Hospital (Rome)*
Riccardo Caruso, *Celio Military Hospital (Rome)*
Fabio Iacovino, *Alesini Hospital (Rome)*
Pierpaolo Lunardi, *Torvergata University Hospital (Rome)*
Carlo Efsio Marras, *Bambino Gesù Hospital (Rome)*
Luciano Mastronardi, *San Filippo Neri Hospital (Rome)*
Antonino Raco, *Sant'Andrea University Hospital (Rome)*
Antonio Santoro, *Umberto I (University Hospital Rome)*



CONGRESS PRESIDENT



Francesco TOMASELLO, M.D.

President of the Meeting

Prof. Tomasello is Professor and Chairman of Neurosurgery at the University of Messina.

He enrolled at the Medical School of the University of Messina, where he graduated with the highest marks and *magna cum laude*. As medical student he spent two years in the Neurology Department chaired by a modern and innovative neurologist and neuroscientist.

He graduated in Nervous and Mental Diseases with a doctoral thesis on the blink reflexes in post-traumatic apallic syndrome and entered the Residency Program in Neurosurgery, where he graduated in 1978 with a doctoral thesis on choroid plexus papillomas of the third ventricle.

He spent about 1 year in London, Ontario, Canada in the Charles Drake Department and few months in the Mayo Clinic, Rochester, Minnesota, with Thoralf Sundt.

Under the chairmanship of his mentor, Prof. Paolo Conforti, he became Assistant Professor of Neurosurgery at the University of Naples, where he spent two years in the laboratory practicing experimental microvascular anastomoses and then he started to operate on patients by extra-intracranial bypass. In 1981, he was called by Prof. Beniamino Guidetti to perform with his team, in Rome in the Policlinico Umberto I, the same procedure on three patients.

In 1979 during the European Congress of Neurosurgery held in Paris, he was called to join the Research Committee of European Association of Neurosurgical Societies (EANS) until 1987. Since 1987 to 1995, he was member of the Training Committee of EANS. In 1995 he was elected Vice-President of EANS and was member of the Examination Commission of the Neurosurgical European Board in Brussels.

Since 1978 he participated in the International Cooperative Study on extracranial/intracranial bypass led by the University of London, Ontario, Canada, and funded by NIH.

In 1984 he was appointed as Associate Professor of Neurosurgery and, in 1986, he became, at the age of 39 years, Full Professor of Neurosurgery at the University of Messina.

In 1985 he was elected as a member of the Administrative Council of the Italian Society of Neurosurgery, where he served as Treasurer, Secretary and President in 2004.

He was for many years the Director of the Neurosurgery Residency Program of the University of Messina.

From 2004 to 2013 Francesco Tomasello was the Rector of the University of Messina.

He is member of the International Advisory Board of the Journal "Neurosurgery" since 2004, Section Editor, Special Topics, of the Journal "World Neurosurgery" and Regional Editor-in-chief of the "International Neuroscience Journal".

He served as Chairman of the Web and Publication Committee of the World Federation of Neurosurgical Societies (WFNS).

Since 2013 he is 2nd Vice-President of the WFNS.

Member of AANS and CNS.

At present, he is the President of the Italian Council of the University Professors of Neurosurgery.

He has been the Principal Investigator of several Research Projects on Neuro-oncology, funded by the Italian Ministry of University and Education and by the European Union.

Francesco Tomasello is Author of more than 200 peer-reviewed publications and several monographs and book chapters.

After the loss of his wife, he continues to take care of his son Dario, who is Associate Professor of Literature and Theater, of his daughter Chiara, who is an oncologist, and his grandchildren.

LOCAL COMMITTEE PRESIDENT



Roberto DELFINI, M.D.

President of the Local Committee

Roberto Delfini was born in Rome on January 5th 1948. He began his studies in Verona, where he had moved with his family, at the classical lyceum Torquato Tasso. In 1972 he graduated in Medicine and Surgery at the “Sapienza” University of Rome.

In 1979 he became Specialist in Neurosurgery with full marks at the same university in the Residency program headed Prof. Beniamino Guidetti. Soon after, in 1973, he left Rome to follow Professor Giampaolo Cantore to Siena, collaborating with him in the creation of a neurosurgery division in the Santa Maria della Scala hospital.

His neurosurgical career really began in Siena, firstly in the role of Assistant: in 1978 he obtained the role of University Researcher and returned to his native city with Prof. Giampaolo Cantore, who had been called back to Rome University to become Chief of the newly instituted Neurotraumatology Division.

In 1988 he became Associate Professor and in 1997 Full Professor of Neurosurgery, following in Prof. Cantore's footsteps, first as Chief of the Chair of Neurotraumatology and then of the 1st Chair of Neurosurgery, a role he still holds today.

His previous positions include :

- Member of the Nominating Committee of the European Skull Base Society.
- Member of the Nominating Committee of the World Federation of Neurosurgical Societies.
- Member of the Training Committee of the European Association of Neurosurgical Societies.

In 2003 he became Chief of the Residency Program in Neurosurgery of “Sapienza” University of Rome.

Roberto Delfini has published more than 350 scientific papers, mostly in International Journals. He is the author of many chapters in national and international neurosurgical textbooks and has taken part as invited speaker in numerous scientific events in Italy and all over the world.

Earlier in his career, he spent some time in highly qualified neurosurgical centers around the world to perfect his neurosurgical skills, for example:

- Neurosurgical Clinic, Hannover School of medicine
- First Surgical Clinic, University of Vienna
- ORL Division, University of Zurich
- Department of Neurosurgery, Karolinska Hospital, Stockholm
- Department of Neurosurgery, Ospedale Civile Maggiore, Verona
- Department of Neurosurgery, Mayo Clinic, Rochester
- Department of Neurosurgery, University of Western Ontario
- Department of Neurosurgery, Barrow Neurological Institute, Phoenix
- Department of Neurosurgery, Krankenhaus Nordstadt, Hannover
- Department of Neurological Surgery, George Washington University Medical Center
- Department of Neurosurgery, Hopital Lariboisière, Parigi
- Sunrise Hospital, Las Vegas

As first operator, he has carried out more than 11,000 operations covering all fields of neurosurgery and neurotraumatology.

His main fields of interest include surgery of intracranial tumors in general and those of the skull base in particular; surgical treatment Member, Treasurer, Secretary and, up to about a year ago, President. His current role is Past President.

He is a member of many national and international societies of Neurosurgery and related disciplines as well as being an elected member of the World Academy of Neurosurgeons. In 2014 he received the Bonifacio VIII award for his social dedication in the field of Medicine.

Roberto Delfini has been married to his wife Rosella since 1971: they have two daughters, Lavinia and Claudia and four marvellous grandchildren. In his free time, he likes to travel, play tennis and go to the cinema, and to entertain friends for whom he loves to cook.



SCIENTIFIC COMMITTEE CHAIR



Franco SERVADEI, M.D.

President of the Scientific Committee

Born Forlì, Italy

Married, two children one boy (informatics engineer) and a girl (lawyer)

Graduated at the Bologna Medical School in 1976

Trained In Neurology and then in Neurosurgery (Modena Medical School)

Working experience: Bellaria Hospital, Bologna, Bufalini Hospital, Cesena, and from 2007 Director Neurosurgery-Neurotraumatology University Hospital of Parma and IRCCS (Oncology Reserch) Hospital Reggio Emilia, Italy; from 2007 to 2013 also director of Emergency Department.

Working experience abroad: Karolinska Hospital Stockholm, Sweden, Royal Infirmary, Edinburgh, UK and Royal Hallamshire Hospital, Sheffield, UK

Performed more than 5000 Neurosurgical Procedures (cranial and spinal) of any kind as first surgeon

From 1998 teaching professor of Neurosurgery at different School for Training in Neurosurgery in Italy

Director of 11 training Courses in Italy and Abroad

From 2013 teaching professor of Neurosurgery, Parma Medical School

Honorary Professor of Neurosurgery, Burdenko Institute Moskow, Russia

President, Italian Neurosurgical Society, from 2010 to 2012

Chairman of the Neurotrauma Committee of the WFNS from 2002 to 2010

Director WHO Neurotrauma Collaborating Centre from 2000 to 2007

Responsible for 7 granted clinical studies

Partecipation as invited speaker at 162 Meetings, including 32 National Societies

Invitations as a speaker for continents in last 15 years

America: Mexico, Cuba, Argentina, USA

Asia-Oceania: Australia, Malesia, Singapore, Taiwan, Japan, Cina, Corea, Pakistan, India

North Africa - Middle East: Abu Dhabi, Iran, Egypt, Morocco

Europe: Italy, France, Spain, Portugal, Greece, Hungary, UK, Germany, Austria, Sweden, Denmark, Finland, Russia, Israel

Scientific activity:

Total number of indexed documents 168

In the last 5 years 18 papers on Traumatic Brain Injury, 13 papers on Brain Tumors, 4 on Spine and 5 on other topics.



SINch - Italian Society of Neurosurgery

President

Alberto DELITALA (*Rome*)

Vice-President

Andrea BARBANERA (*Alessandria*)

Past-President

Roberto DELFINI (*Rome*)

Secretary

Paolo CAPPABIANCA (*Naples*)

Treasurer

Umberto GODANO (*Potenza*)

Executive Committee:

Carmine Maria CARAPELLA (*Rome*)

Pasqualino DE MARINIS (*Naples*)

Vincenzo ESPOSITO (*Pozzilli*)

Marco Maria FONTANELLA (*Brescia*)

Angelo FRANZINI (*Milan*)

Reza GHADIRPOUR (*Reggio Emilia*)

Angelo LAVANO (*Catanzaro*)

Lorenzo VOLPIN (*Vicenza*)

Francesco ZENGA (*Turin*)



WFNS MISSION STATEMENT



Our Mission Statement: The World Federation of Neurosurgical Societies (WFNS) aspires to promote global improvement in neurosurgical care. The mission of the WFNS is to work together with our member societies to improve worldwide neurosurgical care, training and research to benefit our patients.

Founded in 1955, the WFNS is a professional, scientific, non-governmental organization comprising of 127 member societies, consisting of 5 Continental Associations, 115 National Neurosurgical Societies and 7 Affiliate Societies, representing over 30,000 neurosurgeons worldwide.

The goals of the WFNS are deliberated and pursued through scientific, standing and ad hoc committees and during the International Congress of Neurological Surgery which takes place every four years. The WFNS has official relations with the World Health Organization (WHO) and acts as a consulting body through the WHO Working Group on Neurosurgery and the WFNS-WHO Liaison Committee.

WFNS...

- facilitates the personal association of neurological surgeons throughout the world
- aides in the exchange and dissemination of knowledge and ideas in the field of neurological surgery
- encourages research in neurological surgery and allied sciences
- holds periodic World Congresses
- conducts educational courses
- makes available Basic Sets of Neurosurgical Instruments, Bipolar Coagulation Sets and Neurosurgical Microscopes at a reduced price through WFNS for distribution to the Developing World
- provides neurosurgical training at designated WFNS Reference Training Centres
- maintains a Foundation to promote and facilitate the activities of the WFNS

WFNS Administrative Council Members

Yong-Kwang Tu, President
Takeshi Kawase, Past-President
Hildo Azevedo-Filho, First Vice President
Basant Misra, Secretary
Gail Rosseau, Assistant - Secretary
Christopher Loftus, Treasurer
Amir Samii, Assistant- Treasurer
Ugur Ture, President of the XV Congress

WFNS Second Vice-Presidents

Jacques Morcos, Second Vice President (AANS)
Akira Teramoto, Second Vice President (AASNS)
Abdessamed El Ouahabi, Second Vice President (CAANS)
Francesco Tomasello, Second Vice President (EANS)
Marco Molina, Second Vice President (FLANC)
Sherif Ezzat, Second Vice President (at large)
Eugeny Pedachenko, Second Vice President (at large)

WFNS Ad Hoc Committee Chairs

Miguel ARRAEZ (Spain) - Coordinator of Committee Activities
Ibrahim SBEIH (Jordan) - Audit Committee
Anil NANDA (USA) - Constitution & Bylaws Committee
Alexander POTAPOV (Russia) - Publication and Web Committee
Chris LOFTUS (USA) - Finance Committee
Mehmet ZILELI (Turkey) - Local arrangement for the congress Committee
Yong-Kwang TU (Taiwan) - Membership Committee for the Federation & Congress
Andrew KAYE (Australia) - Nominating Committee
İhsan SOLAROGLU (Turkey)- Scientific Programme Committee
Maurice CHOUX (France) - Accreditation Committee
Jacques MORCOS (USA) - Cerebrovascular Diseases & Therapy Committee



WFNS COMMITTEES

- Helmut BERTALANFFY (Germany) - Education & Training Committee
Concezio di ROCCO (Italy) - Education & Training Committee
Tiit MATHIESEN (Sweden) - Ethics & Medico-Legal Affairs Committee
Yoko KATO (Japan) - Fund-Raising Committee
Roberto C. HEROS (USA) - Honorary Presidents Committee
Jacques BROTCHE (Belgium) - Liaison Committee WFNS/WHO
Takeshi KAWASE (Japan) - Medal of Honour Committee
Uwe Max MAUER (Germany) - Military Neurosurgeons Committee
Engelbert KNOSP (Austria) - Neuroendocrine Committee
Henry SCHROEDER (Germany) - Neuroendoscopy Committee
Gelareh ZADEH (Canada) - Neuro-oncology Committee
Ali REZAI (USA) - Neuromodulation Committee
Wai POON (China, HK) - Neurorehabilitation & Reconstructive Neurosurgery Committee
Vladimir BENES (Czech Republic) - Neurosurgical Anatomy Committee
Kaoru KURISU (Japan) - Neurosurgical Technology Committee
Andrew MAAS (Belgium) - Neurotraumatology Committee
Graham FIEGGEN (South Africa) - Pediatric Neurosurgery Committee
Mariano SOCOLOVSKY (Argentina) - Peripheral Nerve Surgery Committee
Vedantam RAJSHEKHAR (India) - Radiosurgery Committee
Kyu-Sung LEE (South Korea) - Skull-Base Surgery Committee
Sebastien FROELICH (France) - Skull-Base Surgery Committee
Enrique OSORIO-FONSECA (Colombia) - Spine Committee
Marc SINDOU (France) - Stereotactic and Functional Neurosurgery Committee
Robert DEMPSEY (USA) - WFNS Coordinating Committee for International Initiatives
Nelson OYESIKU (USA) - The William Scoville Award Committee
Najia EL ABBADI (Morocco) - Women in Neurosurgery Committee
Joao Paulo FARIAS (Portugal) - Young Neurosurgeons Award Committee
Ganesalingam NARENTHIRAN (USA) - Young Neurosurgeons Forum

PROGRAM AT-A-GLANCE

PROGRAM AT-A-GLANCE

TIME	SUN sept 6	MON sept 7	TUE sept 8			WED sept 9	THU sept 10	FRI sept 11	SAT sept 12
07.30 am 08.45 am		Pre-Congress Courses	Pre-Congress Courses		COMMITTEE BUSINESS MEETINGS	Breakfast Seminars	Breakfast Seminars	Breakfast Seminars	Breakfast Seminars
08.45 am 09.00 am						Break	Break	Break	Break
09.00 am 10.45 am						Main Sessions	Main Sessions	Main Sessions	Main Sessions
10.45 am 11.15 am						Meet the Exhibitors			
11.15 am 01.00 pm						Plenary Sessions	Plenary Sessions	Plenary Sessions	Plenary Sessions
01.00 pm 02.30 pm	Pre-Congress Courses			REGISTRATION	COMMITTEE WORKSHOPS - COMMITTEE BUSINESS MEETINGS	Sponsored Luncheon Seminars	Sponsored Luncheon Seminars	Sponsored Luncheon Seminars	Closing Ceremony
						Exhibition	Exhibition	Exhibition	
02.30 pm 04.00 pm						Oral and Master Video Presentations	Oral Presentations	Oral Presentations Young awardees presentations	
04.00 pm 04.30 pm	Meet the Exhibitors								
04.30 pm 06.00 pm	Oral Presentations					Oral Presentations	Oral Presentations		
06.00 pm 06.30 pm									
06.30 pm 08.30 pm			Opening Ceremony						
08.30 pm 11.30 pm			Welcome Cocktail					Social Dinner	



SCIENTIFIC TRACKS

SCIENTIFIC TRACKS

An update focus on neurosurgical advances and global challenges.

Follow your topic by scientific tracks:

1. Neuro-oncology
2. Neurovascular
3. Neurotrauma
4. Spine and Peripheral Nerve
5. Functional and Pediatrics
6. Education, Ethical and Socio-Economic

SESSION CODE - ABBREVIATIONS

BREAKFAST SEMINARS	BS
MAIN SESSIONS	MS
PLENARY SESSIONS	PS
ORAL PRESENTATIONS	OP
POSTER	P
NEURO-ONCOLOGY	NO
NEUROVASCULAR	NV
NEUROTRAUMA	NT
SPINE	SP
PERIPHERAL NERVE	PN
FUNCTIONAL	FU
PEDIATRICS	PE
EDUCATION, ETHICAL AND SOCIO-ECONOMIC	EES

HOW TO READ SESSION CODES

Examples:

BS NO 5 - 5TH Session on Neuro-oncology in Breakfast Seminars

MS SP 2 - 2ND Session on Spine in Main Sessions

OP NV 4 - 4TH Session on Neurovascular in Oral Presentations

NON NEUROSURGICAL LECTURERS



Giuseppe DE GIORGI, Admiral

Chief of the Italian Navy

Admiral Giuseppe De Giorgi was born in Naples in 1953.

He graduated from the Naval Academy in 1975 and received his Naval Aviator wings in 1976 in Corpus Christi (Texas), achieving Combat Readiness in AB 204 ASW, AB 212 ASW / ASUW and SH3D helicopters.

Major assignments:

- Flight Commander of the Frigate Alpino (1981 - 1982);
- C.O. of the Auxiliary Ship Bradano (1982 - 1983);
- Flight Commander of the CG Andrea Doria (1983 - 1985);
- Flight Commander of the 18th Italian Naval Group displaced in the Persian Gulf (1987) during the Iran - Iraq war;
- C.O. of the FFGH Libeccio (1992 - 1993);
- Chief of the Department of Air Warfare Aviation Plans & Requirements Branch of the Italian Navy General Staff (1993 to 1997);
- C.O. of the CGH Vittorio Veneto (1997-1999);
- Chief of the Italian Navy General Staff Department of Air Warfare (1999 - 2005) and (double hatted) Commander of the Naval Air Force (2000 - 2005);
- Commander of the High Seas Fleet and COMITMARFOR (2005 - 2007);
- Chief of Staff of the Italian Joint Operations Headquarter (2007 - 2009);
- Chief of Staff of the Italian Fleet (2009 - 2011); From May 2, 2011 to February 20, 2012 Head of Education of the Navy.

From August 28 to October 19, 2006, Admiral De Giorgi (then RADM) led the "Leonte" operation as JTFC and CATF, reinforcing the UNIFIL contingent in application of UN Resolution 1701.

He was also the first Maritime Task Force Commander within the UN Mandate for the control of the Lebanese territorial waters. For his achievements, in 2007 he was awarded the "Military Order of Italy" (Officer) by the President of the Italian Republic, and the "Medal for Meritorious Service" from the Lebanese Republic.

For the same reason he was awarded the "Military of the Year" at the "Smithsonian National Air and Space Museum" in Washington D.C.

From February 2012 to January 2013 he was Commander in Chief of the Italian Navy fleet.

Admiral De Giorgi has been appointed Chief of the Italian Navy since January 28, 2013.

Hobbies: sailing, horse riding, military history, gardening, carpentry, motorcycling.



NON NEUROSURGICAL LECTURERS



Marco GAIANI

Professor of Architectural Representation at the AlmaMater Studiorum University of Bologna

Marco Gaiani is full professor of Architectural Representation at the Alma-Mater Studiorum University of Bologna. He was Director of Dept. of Architecture and Urban Planning at University of Bologna and Dept. INDACO at Politecnico of Milan, and is today member of Board of Directors of the Unione Italiana per il Disegno, and of Scientific Committee of Centro Studi Vitruviani in Fano.

A specialist in 3D computer imaging, modeling and visualization for Architectural Heritage and archaeology, and architectural and archaeology Digital Libraries, he has been working to virtually document, illustrate, and preserve Italy's Heritage for the past 30 years.

He was one the first developers/user of laser scanning technology in the Cultural Heritage field and also developed photogrammetry-related technologies. He experimented these technologies in detailed surveys, creating accurate and high resolution 3D models of monuments from the Colosseum to the Caracalla Thermae in Rome, from a number of Roman sepulchers on the via Appia to the San Salvatore al Monte church in Florence, from Palladio's buildings and villas to the houses for rent of beginning of the twentieth century in Milan, from the Pompeii archaeological site to the Bologna's porticoes.

He produced some multimedia visual database widely diffuses, as Andrea Palladio - Le Ville in collaboration with Centro Internazionale di Studi di Architettura Andrea Palladio in Vicenza (CISAAP), with full historical citations and detailed 3D reconstructions of Andrea Palladio's villas.

He designed and was responsible of the development of some Heritage information systems and digital libraries of architecture and archeology including the 3D based IS for the Pompeii archaeological area (in collaboration with Scuola Normale Superiore (SNS) of Pisa) and the PALLADIOlibrary information-communication system of Andrea Palladio, his works and his territory, for CISAAP (2009-2012).

He was Scientific Co-ordinator of many Courses for post-degree and post-doctoral students including the the courses "Representation and modeling for Cultural Heritage" of SNS (2009 and 2011).



Alexander N. KONOVALOV

M.D., PhD, Professor of Neurosurgery

Date of birth: 12 December 1933
Place of birth Moscow
Citizenship Russia
KNOWLEDGE OF ENGLISH: Fluent
Present Appointments

- Professor of Neurosurgery, MD, PhD
- Full member of the Russian Academy of Sciences (RAS)
- Director of the Burdenko Neurosurgery Institute
- President of the Association of Neurosurgeons of Russia
- Honorary President of the World Federation of Neurosurgical Societies

Education, Scientific Degrees, Professional Employment and social activity

1957-1966	Staff Neurosurgeon, the Burdenko Institute of Neurosurgery, Moscow
1966-1975	Deputy Director of the Burdenko Institute of Neurosurgery, Moscow
1975-present	Director of the Burdenko Neurosurgery Institute, Moscow
1981-1991	President of the All-Union Neurosurgical Society
1982-present	Full member of the Russian Academy of Medical Sciences
1994-present	Head of Chair of Pediatric Neurosurgery at the Academy of Post-Graduate Education
2000-present	Full member of the Russian Academy of Sciences
2002-present	President of the Association of Neurosurgeons of Russian

Awards and Honors

1975-1983 and 1987-1991	Vice-President of the European Association of Neurosurgical Societies (EANS)
1981-1985, 1993	Vice-President of the World Federation of Neurosurgical Societies
1991	President of the 9th European Congress of Neurosurgery, Moscow
1985	USSR State Prize Winner
1995	Russian Federation State Prize Winner
1999	Medal of Honor by the European Association of Neurosurgical Societies
2003	Order for Service to Russia
2004	International Prize "Profession is Life" (in nomination - an outstanding director of a medical institution)
2004	Decorated with Olivecrona medal, Stockholm, Sweden
2007	State Prize of the Russian Federation 0
2007	Prize of the Government of the Russian Federation
2008	Decorated with II Degree Order of the Russian Federation "For outstanding service to homeland"
2009	Honorary President of the WFNS
2013	Award by President of the Russian Federation "Hero of Labor"

Publications:

253 papers
14 books
12 monographs
122 abstracts



MEDAL OF HONOUR AWARDEES



Francesco TOMASELLO, M.D.

President of the Meeting

Prof. Tomasello is Professor and Chairman of Neurosurgery at the University of Messina.



MEDAL OF HONOUR AWARDEES



LIANG-FU ZHOU

M.D. Academician

Professor and Chief

Department of Neurosurgery, Hua Shan Hospital, SMC, FDU
Shanghai Neurosurgical Center

Education Background and Academic Titles

1965~M.D. Shanghai Medical University (SMU)

1984~Chief, Department of Neurosurgery, Hua Shan Hospital

1985~Honorary Fellow at Neurosurgery of Minnesotal University Hospital USA

1988~Deputy Director of Institute of Neurology, SMU and WHO Collarborting
Center for Research and Training in Neuroscience

1989~Professor in Neurosurgery of SMU

1990~Doctoral Advisor in Neurosurgery

1998~2004 President, Shanghai Neurosurgical Society of China

2004~2008 Vice-president, Chinese Neurosurgical Society

2008~Honorary president, Chinese Neurosurgical Society

2009~Academician, Chinese Academy of Engineering

Membership

Member of international liaison & advisory panel: Neurosurgery (USA), World Neurosurgery, Neurosurgical Review (Europe), Neu-
rologia medico-chirurgica (JAPAN)

Vice editor: Chinese Clinical Neuroscience

Awards

Outstanding Surgeon of Year Award by Chinese medical Tribune 1986

Science & Technological Progress of Shangahi Municipality 1988, 1993, 1995, 2003, 2004, 2009

Science & Technological Progress Prize of National Ministry of Health 1989,1994,1996, 2008

Science & Technological Progress Prize of National Education Ministry 2000, 2007

National Science & Technological Progress Prize 1990, 1995, 2009, 2014

Honorary Medical Award of Shanghai Municipality 1997

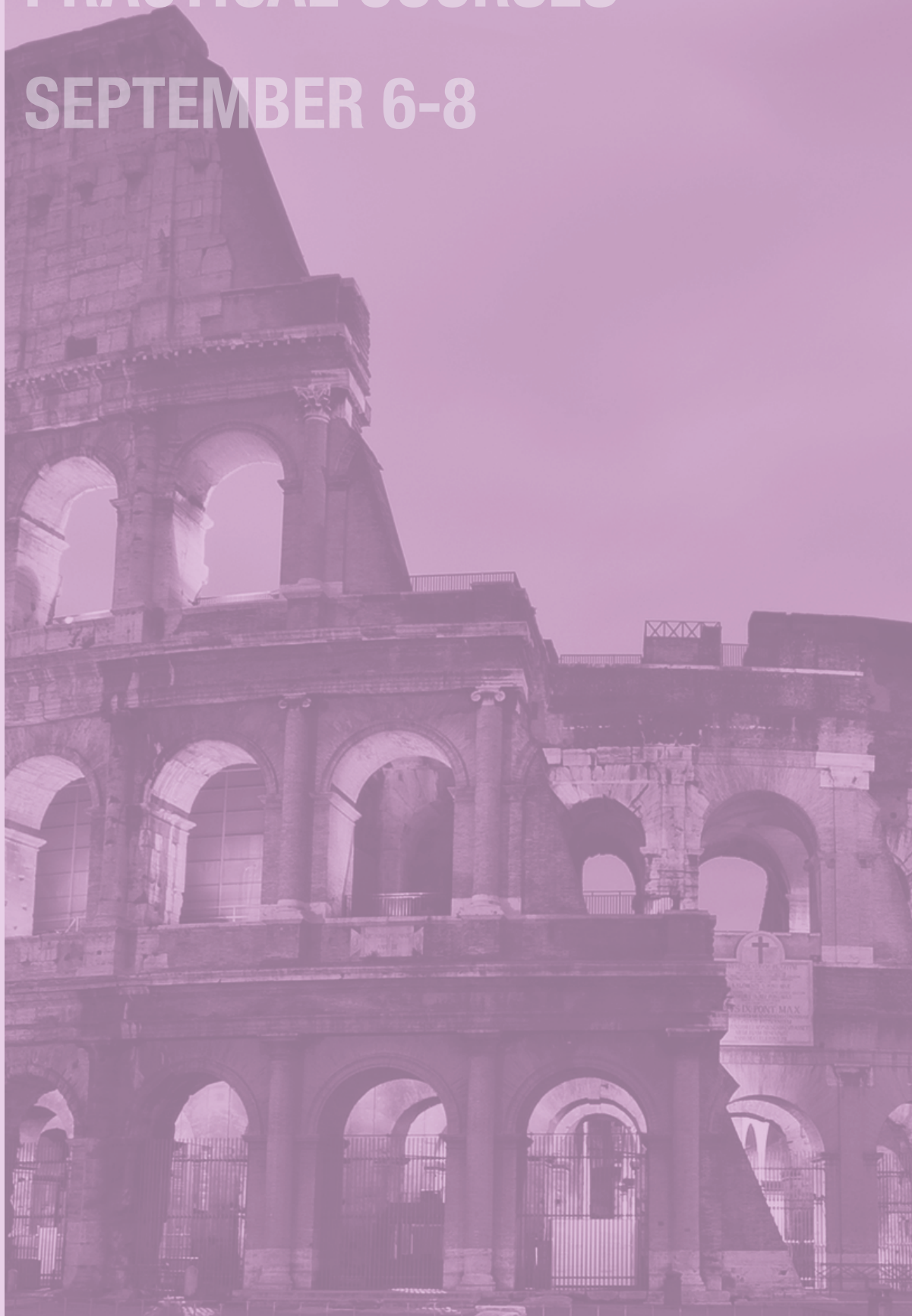
National Prize of Science & Technological Books 2003

Fields of Interests

Vascular Neurosurgery, Skull-base Surgery, Minimally invasive Neurosurgery, Brain tumors.

PRE-CONGRESS THEORETICAL AND PRACTICAL COURSES

SEPTEMBER 6-8



PRE-CONGRESS THEORETICAL AND PRACTICAL COURSES

ENDOSCOPIC TRANS-SPHENOIDAL APPROACHES TO SELLA AND PARASELLAR AREAS

Directors: Paolo Cappabianca (Italy), Chandrashekhar E. Deopujari (India)

THEORY ETHICAL SESSION

HANDS-ON SESSION

Bramante 4

September 6, 2015

Rome Marriott Park Hotel

September 7, 2015

Tecnopolo Castel Romano

4:00 pm Endoscopic endonasal approach to the
sella and its variations

Paolo Cappabianca (Italy)

4:30 pm Endoscopic endonasal transsphenoidal
approach to the clival area

Chandrashekhar E. Deopujari (India)

5:00 pm Endoscopic endonasal approach to the
suprasellar areas

Luigi M. Cavallo (Italy)

5:30 pm Endoscopic endonasal approach to
cavernous sinus and Meckel's Cave

Daniel M. Prevedello (USA)

9:00 am Master dissection:
Sellar and suprasellar areas

Hands on practice with faculty and tutors

1:00 pm Lunch

2:00 pm Master dissection:
Cavernous sinus and clivus

Hands on practice with faculty and tutors

Tutors Filippo F. Angileri, Morgan Broggi,
Martina Cappelletti, Matteo De Notaris,
Felice Esposito, Agazio Minniti,
Roberta Morace, Andrea Ruggeri,
Domenico Solari



PRE-CONGRESS THEORETICAL AND PRACTICAL COURSES

PERCUTANEOUS SPINE SURGERY 1

Directors: Natale Francaviglia (Italy), Michael Wang (USA)

THEORY ETHICAL SESSION (GROUPS A AND B)

Bramante 5

September 6, 2015
Rome Marriott Park Hotel

- 4:00 pm Introduction and welcome**
Natale Francaviglia (Italy), Michael Wang (USA)
- Emergency dorsal and lumbar pedicle screwing**
Gualtiero Innocenzi (Italy)
- 4:30 pm Use of kyphoplasty in traumatic and osteoporotic fractures**
Natale Francaviglia (Italy)
- 5:00 pm Sawbones hands-on**
- 6:00 pm End of session**

HANDS-ON SESSION

September 7, 2015
Tecnopolo Castel Romano

Group A

- 8:30 am Wet lab**
Table 1:
Thoracic unilateral stabilization
- Navigation table:**
Thoracic lumbar unilateral stabilization
- Table 3:**
Fracture treatment with kyphoplasty
- Participants rotate on the three table*
- 1:00 pm Lunch**
- 2:30 pm Case discussion**

Group B

- 8:30 am Case discussion**
- 2:30 pm Wet lab**
Table 1: Thoracic unilateral stabilization
- Navigation table: thoracic lumbar unilateral stabilization**
- Table3: Fracture treatment with kyphoplasty**
- Participants rotate on the three table*
- 6:00 pm End of session**

Tutors Nicola Marotta, Alessandro Landi, Alberto Romano, Pierfrancesco Eugeni, Luigi Basile

PRE-CONGRESS THEORETICAL AND PRACTICAL COURSES

PERCUTANEOUS SPINE SURGERY 2

Directors: Natale Francaviglia (Italy), Michael Wang (USA)

THEORY ETHICAL SESSION (GROUPS C AND D)

HANDS-ON SESSION

Bramante 5

September 7, 2015
Rome Marriott Park Hotel

September 8, 2015
Tecnopolo Castel Romano

- 4:00 pm Introduction and welcome**
Natale Francaviglia (Italy), Michael Wang (USA)
- Emergency dorsal and lumbar pedicle screwing**
Gualtiero Innocenzi (Italy)
- 4:30 pm Use of kyphoplasty in traumatic and osteoporotic fractures**
Natale Francaviglia (Italy)
- 5:00 pm Sawbones hands-on**
- 6:00 pm End of session**

Group C

- 8:30 am Wet lab**
Table 1:
Thoracic unilateral stabilization
- Navigation table:**
Thoracic lumbar unilateral stabilization
- Table 3:**
Fracture treatment with kyphoplasty
- Participants rotate on the three table*

- 1:00 pm** Lunch
- 2:30 pm** Case discussion

Group D

- 8:30 am Case discussion**
- 2:30 pm Wet lab**
Table 1:
Thoracic unilateral stabilization
- Navigation table:**
Thoracic lumbar unilateral stabilization
- Table3:**
Fracture treatment with kyphoplasty
- Participants rotate on the three table*

- 6:00 pm End of session**

Tutors Nicola Marotta, Alessandro Landi,
Alberto Romano, Pierfrancesco Eugeni,
Luigi Basile



PRE-CONGRESS THEORETICAL AND PRACTICAL COURSES

CEREBELLO-PONTINE ANGLE AND CRANIO-VERTEBRAL JUNCTION SURGICAL APPROACHES

Directors: Renato J. Galzio (Italy), M. Tatagiba (Germany)

THEORY ETHICAL SESSION

HANDS-ON SESSION

Bramante 4

September 7, 2015

Rome Marriott Park Hotel

September 8, 2015

Tecnopolo Castel Romano

2:00 pm Surgical and endoscopic anatomy of the CPA

Manfred Tschabitscher (Austria)

2:30 pm Retrosigmoid approach: indications and technique

Marcos Tatagiba (Germany)

3:00 pm Retrosigmoid approach: clinical videos

*Marcos Tatagiba (Germany),
Florian Ebner (Germany)*

3:30 pm Surgical and endoscopic anatomy of the CVJ

Manfred Tschabitscher (Austria)

4:00 pm Approaches to the CVJ: indications and technique

Renato J. Galzio (Italy)

4:30 pm Approaches to the CVJ (far-lateral and extreme-lateral): clinical videos

5:00 pm Approaches to the CVJ (trans-oral, retro-pharyngeal and sub-occipital): technical preparation & clinical videos

*Marcos Tatagiba (Germany),
Renato J. Galzio (Italy),
Florian Ebner (Germany),
Alessandro Ricci (Italy),
Emiliano Passacantilli (Italy)*

6:30 pm Discussion

6:00 pm End of session

8:00 am Preparation of the retrosigmoid approach: video demonstration

*Florian Ebner (Germany),
Marcos Tatagiba (Germany)*

8:15 am Retrosigmoid approach: step by step hands-on

10:15 am Endoscopic workshop: CPA

Manfred Tschabitscher (Austria)

10:45 am Preparation of the far-lateral approach: video demonstration

*Alessandro Ricci (Italy),
Emiliano Passacantilli (Italy)*

11:00 am Far-lateral approach: step by step hands-on

1:00 pm Lunch

2:00 pm Preparation of the extreme-lateral approach: video demonstration

*Renato J. Galzio (Italy),
Alessandro Ricci (Italy)*

2:15 pm Extreme-lateral approach: step by step hands-on

4:15 pm Endoscopic workshop: peri-medullary cisterns

4:45 pm Closing remarks

5:00 pm End of session

Tutors Danilo De Paulis, Lorenzo Pescatori, Soheila Raysi Dehcordi, Sara Marzi, Mattia Del Maestro, Massimo Gallieni, Sabino Luzzi, Valerio di Norcia, Teresa Fasano

PRE-CONGRESS THEORETICAL AND PRACTICAL COURSES

MICROSURGICAL TEACHING COURSE ON VASCULAR ANASTOMOSIS

Directors: Basant K. Misra (India); Francesco Acerbi (Italy)

September 7, 2015

Tecnopolo Castel Romano

8:30 am Introduction to the Course
Basant K. Misra (India), Francesco Acerbi (Italy)

8:45 am Technique of microsutures and
microanastomoses
Basant K. Misra (India), Francesco Acerbi (Italy)

9:30 am Indication and technical nuances for
EC-IC and IC-IC bypass in aneurysm
surgery
Jacques Morcos (USA)

10:00 am Indication and technique of EC-IC bypass
for cerebral ischemia and moyamoya
disease
Ying Mao (China)

10:30 am Break

11:00 am Practice for microsuture and
microanastomoses in silicone tubes

1:00 pm Lunch

2:00 pm Preparation of femoral artery and vein
and end-to-end microanastomoses on
femoral artery

4:00 pm Preparation of carotid artery and vein and
end-to-end microanastomoses on carotid
artery

6:00 pm End of session

September 8, 2015

Tecnopolo Castel Romano

9:00 am Preparation of carotid artery and vein and
end-to-side microanastomoses on carotid
artery

11:00 am Break

11:30 am Preparation of carotid artery and vein and
end-to-side microanastomoses Jugular
vein to carotid artery

1:30 pm Lunch

2:30 pm Preparation of carotid artery and vein and
side-to-side microanastomoses on both
carotid arteries

4:30 pm End of session

Tutors Carlo Bortolotti, Andrea Cardia,
Benedetta Fazzolari, Andrea Lanterna,
Angelo Pichierri, Rossana Romani



PRE-CONGRESS THEORETICAL AND PRACTICAL COURSES

3-D ANATOMY OF TRANSCRANIAL MICROSURGICAL AND ENDOSCOPIC ENDONASAL SKULL BASE APPROACHES

Directors: Alessandro Ducati (Italy), Antonio Bernardo (USA)

Bramante
14

September 7, 2015
Rome Marriott Park Hotel

9:00 am **Microsurgical anatomy of the anterior skull base**
Antonio Bernardo (USA)

10:00 am **Microsurgical anatomy of the lateral skull base**
Antonio Bernardo (USA)

11:00 am **Microsurgical anatomy of the posterior fossa**
Antonio Bernardo (USA)

12:00 pm Lunch

2:00 pm **Key imaging radiological anatomy of the skull base for endonasal approaches**
Roberto Maroldi (Italy)

3:00 pm **A 3D journey through the paranasal sinuses and adjacent skull base**
Piero Nicolai (Italy)

4:00 pm **Classical and extended approaches to the skull base: how to get there and to close**
Franceaco Zenga (Italy)

5:00 pm **End of the course**

NEUROENDOVASCULAR PROCEDURES USING A SIMULATOR

Directors: Edoardo Boccardi (Italy), Feng Ling (China)

Bramante
12

September 7, 2015
Rome Marriott Park Hotel

- 8:20 am Introduction**
Edoardo Boccardi (Italy), Feng Ling (China)
- 8:30 am Indications, technique and complications of cerebral angiography**
Edoardo Boccardi (Italy), Feng Ling (China)
- 9:30 am Devices for endovascular treatment: description, indications and technique**
Edoardo Boccardi (Italy), Feng Ling (China)
- 10:30 am Break**
- 11:00 am Brain aneurysms, AVMs, DAFs – endovascular treatment options**
(Edoardo Boccardi (Italy), Feng Ling (China))
- 12:30 pm Discussion and introduction to simulator**
- 1:00 pm Lunch**
- 2:00 pm Group A – Simulator – Group B Clinical cases**
Edoardo Boccardi (Italy), Feng Ling (China), Simone Peschillo (Italy), Guglielmo Pero (Italy)
- 4:00 pm Group B – Simulator – Group A Clinical cases**
Edoardo Boccardi (Italy), Feng Ling (China), Simone Peschillo (Italy), Guglielmo Pero (Italy)
- 6:00 pm End of the course**



PRE-CONGRESS THEORETICAL AND PRACTICAL COURSES

MORPHO-FUNCTIONAL ANATOMY OF THE HUMAN WHITE MATTER FOR NEUROSURGEONS

Directors: Vladimir Beneš (Czech Republic), Ugur Türe (Turkey)

Bramante
15

September 7, 2015
Rome Marriott Park Hotel

8:30 am Welcome; presentation of the Course

Vladimir Beneš (Czech Republic)

8:45 am General organization of the human white matter. Methods to study human white matter morphology: histology, dissection, in and ex vivo diffusion weighted MRI

Christophe Destrieux (France)

9:15 am Arcuate fasciculus / Superior longitudinal fasciculus / Aslant frontal fasciculus: Morphology and clinical implications

Ilyess Zemmoura (France)

10:00 am Break

10:15 am Middle longitudinal fasciculus: morphology and clinical implications

Igor L. Maldonado (Brazil)

10:40 am Inferior fronto-occipital fasciculus: morphology and clinical implications

Christophe Destrieux (France)

11:05 am Optic radiations: morphology and clinical implications

Louis Marie Terrier (France)

11:30 am Uncinate fasciculus and inferior longitudinal fasciculus: morphology and clinical implications

Ilyess Zemmoura (France)

12:00 pm Lunch

1:30 pm Composition and organisation of the sagittal stratum

Igor L. Maldonado (Brazil)

2:00 pm The impact of fiber dissection technique on intrinsic tumor surgery

Ugur Türe (Turkey)

2:45 pm Interest and limitations of intraoperative MRI diffusion tensor Imaging for low grade gliomas surgery

Vladimir Beneš (Czech Republic)

3:15 pm MR-tractography validation: why and how? The fibratlas project

Christophe Destrieux (France)

3:45 pm Break

4:00 pm White matter quiz: how to find the best route in white matter. Interactive session

Christophe Destrieux (France), Igor L. Maldonado (Brazil), Louis Marie Terrier (France), Ilyess Zemmoura (France)

5:00 pm End of the course

PRE-CONGRESS THEORETICAL AND PRACTICAL COURSES

VIRTUAL NEUROSURGERY

Directors: Paolo Ferroli (Italy), Joshua B. Bederson (USA)

Bramante
10-11

September 7, 2015
Rome Marriott Park Hotel

- 9:00 am Welcome**
- 9:30 am Course Introduction**
Joshua B. Bederson (USA)
- 10:00 am Hight-tech simulation and the history of neurosurgery**
Rolando F. Del Maestro (Canada)
- 10:30 am Simulation techniques: from high-tech aviation to high-risk medical specialties**
Alex Lever (UK)
- 11:00 am Break**
- 11:30 am Augmented reality: from the dawn to the future. The Dextroscope and DEX-Ray: virtual and augmented reality in neurosurgery planning and navigation**
Luis Serra (Spain), Giovanni Tringali (Italy)
- 12:00 am What can we teach (and learn!) through virtual reality neurosurgical simulation?**
Joshua B. Bederson (USA)
- 12:30 pm High field MRI and finite element methods for modeling neuroanatomy in neurosimulation**
Anthony B. Costa (USA)
- 12:30 pm Who are going to be the best neurosurgeons in the future?**
Aidan Byrne (USA)
- 1:00 pm Lunch**

Afternoon practical session: Director *Alessandro Perin (Italy)*
- 2:00 pm Neurosurgical simulation, anatomy and approaches**
Antonio Bernardo (USA)
- 2:30 pm Methods of assessing neurosurgical skills in the operating room and during simulation**
Christopher Sarkiss (USA)
- 3:00 pm The Besta NeuroSim Center: prospective studies and educational programs by means of high-tech neurosurgical simulators**
Alessandro Perin (Italy)

****There will be a practical/hands-on session with all the top-notch, hight-tech neurosurgical simulators during the afternoon session and throughout the entire meeting, with dedicated sessions for small groups willing to practice on each available simulator.**

List of available simulators:

- Neurotouch
- Immersive touch
- Surgical theater
- Virtual protein
- SNAP Medtronic
- Zeiss Surface recognition module



PRE-CONGRESS THEORETICAL AND PRACTICAL COURSES

YOUNG NEUROSURGEONS MEET THE EXPERTS: CERVICAL SPONDYLOTIC MYELOPATHY

Directors: Richard G. Fessler (USA), Roberto Assietti (Italy)

Bramante
15

September 8, 2015
Rome Marriott Park Hotel

- 9:00 am Course presentation**
Richard G. Fessler (USA), Roberto Assietti (Italy)
- 9:10 am Anatomy and pathophysiology of cervical spondylotic myelopathy**
Roberto Assietti (Italy)
- 9:20 am The clinical presentation of cervical spondylotic myelopathy**
Richard G. Fessler (USA)
- 10:30 am Is cervical Myelopathy always a surgical pathology?**
Richard Assaker (Belgium)
- 11:10 am Break**
- 11:40 am When is the right timing to decompress a cervical spine in cervical myelopathy?**
Sumit Sinha (India)
- 12:12 pm What is the attitude towards active patients with severe spinal stenosis without myelopathy?**
Richard G. Fessler (USA)
- 1:00 pm Lunch**
- 2:00 pm When do we prefer the anterior approach?**
Roberto Assietti (Italy)
- 2:40 pm When do we prefer the posterior approach?**
Richard Assaker (Belgium)
- 3:20 pm Is there a role for combined approach?**
Sumit Sinha (India)
- 4:00 pm Is there any need for surgical instrumentation?**
Richard G. Fessler (USA)
- 4:40 pm Review of the guidelines**
Roberto Assietti (Italy)
- 5:20 pm Panel discussion (all)**
- 6:00 pm End of the course**

YOUNG NEUROSURGEONS MEET THE EXPERTS: CHIARI MALFORMATION

Directors: Concezio Di Rocco (Italy), Jörg Klekamp (Germany)

Bramante
12

September 8, 2015
Rome Marriott Park Hotel

- 8:30 am Course presentation**
Jörg Klekamp (Germany), Concezio Di Rocco (Italy)
- 9:00 am Chiari type I malformation in the pediatric population: anatomical spectrum and problems in decision making**
Concezio Di Rocco (Italy)
- 9:30 am The clinical presentation of chiari I malformation**
John D. Heiss (Germany)
- 10:00 am Clinical significance of cardiac-gated phase-contrast MRI in patients with CM1**
Uve Max Mauer (Germany)
- 10:30 am Break**
- 11:00 am Historical overview on treatment for chiari I malformation**
Ulrich Batzdorf (Germany)
- 11:30 am Foramen magnum decompression without duraplasty vs decompression with duroplasty in children**
Martina Messing-Jünger (Germany)
- 12:00 pm Long-Term results for decompressions with and without duraplasties**
Nozar Aghakhani (France)
- 12:30 pm Management of complications after foramen magnum decompression**
Graham Flint (UK)
- 1:00 pm Pathogenesis and management of chiari I malformation in craniosynostoses**
Giampiero Tamburrini (Italy)
- 1:30 pm Lunch**
- 2:30 pm Chiari I malformation associated to basilar invagination/anomalies of the cranio-vertebral junction**
Atul Goel (India)
- 3:00 pm Patients with failed decompressions**
Jörg Klekamp (Germany)
- 3:30 pm Panel discussion**
- 5:00 pm End of the course**



PRE-CONGRESS THEORETICAL AND PRACTICAL COURSES

YOUNG NEUROSURGEONS MEET THE EXPERTS: GLIOMAS

Directors: Lorenzo Bello (Italy), E. Antonio Chiocca (USA)

Bramante
11

September 8, 2015
Rome Marriott Park Hotel

- 9:00 am Introduction**
Lorenzo Bello (Italy)
- 9:15 am Gliomas: histological and molecular updates: what the neurosurgeon should know to address surgery**
Lorenzo Bello (Italy)
- 9:50 am Low grade gliomas: clinical features, indications, surgical techniques, results of treatment**
Hugues Duffau (France)
- 11:10 am Break**
- 11:30 am The concept of functional neuroncology: brain hodotopy**
Hugues Duffau (France)
- 12:15 pm When and why do we need Intraoperative neurophysiology for glioma surgery: techniques, tricks, pitfalls**
Lorenzo Bello (Italy)
- 1:00 pm Lunch**
- 2:00 pm High grade gliomas: clinical features, indications, surgical and intraoperative imaging techniques, results of treatment**
Alexandra Golby (USA)
- 2:40 pm Recurrent gliomas: indications and results of treatment**
Alexandra Golby (USA)
- 3:00 pm Meet the experts personally: presentation of cases and open discussion**
Lorenzo Bello (Italy), Hugues Duffau (France), Alexandra Golby (USA)
- 5:00 pm End of session**

RADIOSURGERY IN NEUROSURGERY: THEORETICAL BASIS AND HANDS-ON SKILLS

Directors: Laura Fariselli (Italy), Jean Regis (France)

Bramante
14

September 8, 2015
Rome Marriott Park Hotel

9:00 am **Technical and dosimetric aspects: dose delivery and quality control**
Carlo Cavedon (Italy)

9:20 am **Advanced imaging in radiosurgery**
Jean Regis (France)

9:40 am **Arteriovenous malformations: evolution of the SRS techniques**
Etsuo Kunieda (Japan)

10:00 am **Radiosurgery of brain metastases: strategy and patient's selection**
Roberto Spiegelmann (Israel)

10:20 am Break

10:30 am **Hands-on**

1.00 pm Lunch

2:00 pm **Hearing preservation in vestibular schwannoma**
Marc Levivier (France)

2:20 pm **Multisession radiosurgery in meningiomas: a new favourable option**
Laura Fariselli (Italy)

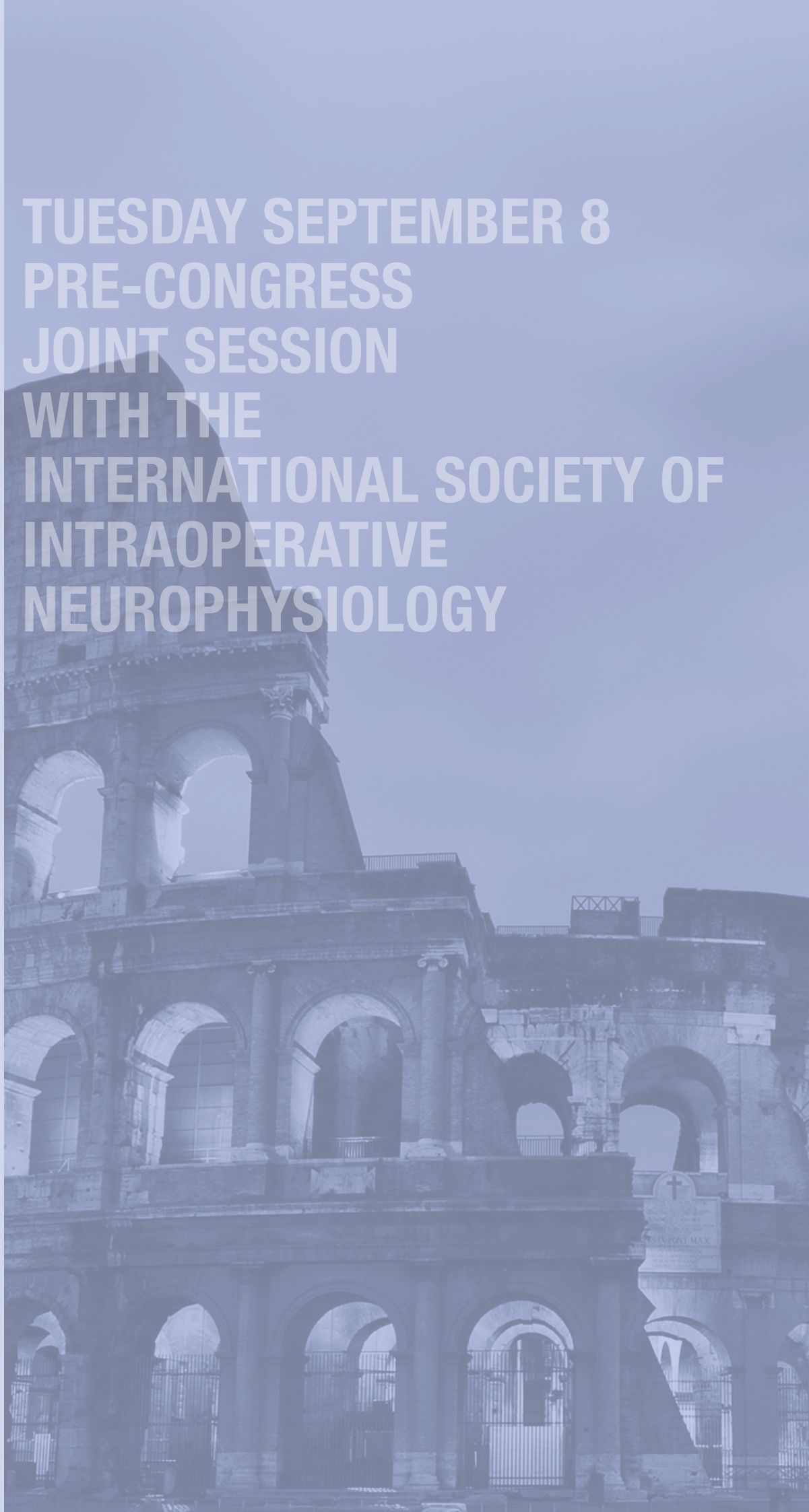
2:40 pm **Spine radiosurgery**
Marcello Marchetti (Italy)

3:00 pm **Radiosurgical strategies in movement disorders**
Jean Regis (France)

3:30 pm **Hands-on**

5:00 pm **End of the course**

**TUESDAY SEPTEMBER 8
PRE-CONGRESS
JOINT SESSION
WITH THE
INTERNATIONAL SOCIETY OF
INTRAOPERATIVE
NEUROPHYSIOLOGY**





PRE-CONGRESS JOINT SESSION SEPTEMBER 8

INTERNATIONAL SOCIETY OF INTRAOPERATIVE NEUROPHYSIOLOGY

Bramante
8

September 8, 2015

2:00 pm Introduction:

Intraoperative neurophysiology in neurosurgery: where are we going?
A perspective from the International Society of Intraoperative Neurophysiology
Francesco Sala (Italy)*
(15'+5' discussion)

2:20 pm Setting-up a neuromonitoring unit in developing countries.
A perspective from Africa
Anthony Figaji (South Africa)*
(20'+5' discussion)

2:45 pm Functional brain surgery in children.
The experience of *Sick Kids* in Toronto
James T. Rutka (Canada)
(20'+5' discussion)

3:10 pm Functional brain tumor surgery in adults
Ying Mao (China)
(20'+5' discussion)

3:35 pm Subcortical mapping in brain tumor surgery:
Getting to the edge
Kathleen Seidel (Switzerland)
(20'+5' discussion)

4:00 pm Mapping and monitoring visual pathways:
What's new?
Kunihiko Kodama (Japan)*
(20'+5' discussion)

4:25 pm Neuromonitoring guided skull base and brainstem surgery
Miguel Arraez (Spain)
(20'+5' discussion)

4:50 pm Intramedullary spinal cord tumor surgery:
What has changed with neurophysiological monitoring?
Karl Kothbauer (Switzerland)*
(20'+5' discussion)

5:40 pm Neurophysiological monitoring and mapping in tethered cord surgery
Francesco Sala (Italy)*
(20'+5' discussion)

5:40 pm Final discussion and conclusion

**Sala, Figaji, Kothbauer and Kodama are Board Members of the ISISN*

TUESDAY SEPTEMBER 8 WFNS COMMITTEE WORKSHOPS





WFNS COMMITTEE WORKSHOPS

NEURO-ONCOLOGY COMMITTEE

Bramante
9

September 8, 2015

COORDINATOR: Gelareh Zadeh (Canada)

NON-MALIGNANT TUMORS

08:00 am Vestibular schwannoma: radiosurgery, surgery or wait and scan? Quality of life, symptoms and results
Lund-Johansen Morten (Norway)

08:15 am Pitfalls and challenges of surgery for skull base tumors
Andrew Kaye (Australia)

08:30 am Meningiomas - Is it possible to define treatment strategy?
Atul Goel (India)

08:45 am Clinical and molecular predictors of recurrence for meningiomas
Gelareh Zadeh (Canada)

09:00 am Break

GLIOMAS

09:15 am New world of molecular classification of low grade glioma
Kenneth Aldape (USA)

09:30 am The changing world of "low grade" glioma: how much molecular analysis will change how much in the clinical management?
Manfred Westphal (Germany)

09:45 am Refined glioma imaging using advanced MRI and PET - what neurosurgeons would want to know
Jorge Tonn (Germany)

10:00 am Use of intraoperative imaging: novel applications of US and contrast enhanced US
Francesco Di Meco (Italy)

10:15 am Extent of resection and intraoperative MRI
Marcos Maldun

10:30 am Awake craniotomy: surgical pearls and pitfalls
Zvi Ram (Israel)

10:45 am Case based discussion
Panel

11:15 am Break

Bramante
9

September 8, 2015

LANDSCAPE OF WORLD NEURO-ONCOLOGY

11:15 am Neuro-oncology in the Philippines

Kathleen Khu (Philippines)

11:30 am Neuro-oncology in Sub Sahara

James Balogun (Nigeria)

11:40 am Neuro-oncology in Mexico

Amancio Guerrero (Mexico)

11:50 am Neuro-oncology in South America

Marcos Maldun

12:00 am How to build international bridges

Zvi Ram (Israel), Andrew Kaye (Australia)

12:30 am Lunch

ADVANCES IN BRAIN THERAPEUTICS

01:00 pm Update on vaccine therapy

Fred Lang (USA)

01:30 pm Update on anti-angiogenesis

Gelareh Zadeh (Canada)

02:00 pm Update on immunotherapy

Ghazaleh Tabatabai (Germany)

02:30 pm Advances in radiation therapy

Igor Barani (USA)

03:00 pm Targeted therapies in brain metastases

Manmeet Alhuwalia (USA)

03:30 pm Break



WFNS COMMITTEE WORKSHOPS

PEDIATRIC NEUROSURGERY COMMITTEE

Bramante
3

September 8, 2015 8.00 am - 1.00 pm

PEDIATRIC NEUROSURGERY AT THE LIMITS

COORDINATOR: Graham Fieggen (South Africa), Giampiero Tamburrini (Italy)

LIMITS OF AGE: THE VERY YOUNG AND THE VERY OLD

The neurosurgeon and the fetus
Michel Zerah (France)

Neonatal neurosurgery
Liana Benl-Adani (Israel)

Transition and caring for adults with pediatric conditions
George Jallo (USA)

LIMITS OF KNOWLEDGE: LESSONS FROM CLINICAL TRIALS

Clinical trials in hydrocephalus
Abhaya Kulkarni (Canada)

Hydrocephalus Clinical Research Network (HCRN)
John Kestle (USA)

Pediatric traumatic brain Injury consortium
David Adelson (USA)

Brain tumour trials
Guirish Solanki (UK)

LIMITS OF GEOGRAPHY:

GROWING PAEDIATRIC NEUROSURGERY IN DEVELOPING COUNTRIES

Research networks in developing countries
Adrian Caceres (Costa Rica)

Research trials in Mbale, Uganda
John Mugamba (Uganda)

Brain tumours in developing countries
Mohamed El Beltagy (Egypt)

Funding international training
Sandip Chatterjee (India)

Threats to co-operation in a globalised world
Martina Messing-Junger (Germany)

INVITED SPECIAL LECTURE

Concezio di Rocco (Italy)

PERIPHERAL NERVE SURGERY COMMITTEE

Bramante
10

September 8, 2015

CONTROVERSIES IN PERIPHERAL NERVE SURGERY

COORDINATOR: Mariano Socolovsky (Argentina)

12:30 am Nerve guidances tubes: past, present and future

Rajiv Midha (Canada)

12:50 am Endoscopic release of the median and ulnar nerve: state of the art & literature review

Javi Robla (Spain)

13:10 am Facial reanimation with the masseter: results and indications

Marjeane Hockmuller (Brazil)

13:30 am Ballistic peripheral nerve injury

Shimon Rochkind (Israel)

13:50 am Nerve transfers to the lower limb

Leandro Pretto Flores (Brazil)

14:10 am Surgical options in lumbosacral plexus injuries

Debora Garozzo (Italy)

14:30 am Critical correlation between clinical findings, imaging and grade of peripheral nerve tumors: a surgical approach

Fernando Guedes (Brazil)

14:50 am Unusual problems in peripheral nerve tumours

Stefano Ferraresi (Italy)

14:20 am Break

14:40 am Current concept in minimal invasive and endoscopic peripheral nerve and brachial plexus surgery

Lukas Rasulic (Serbia)

15:00 am Neuroprosthetics for peripheral nerve interfacing

Wilson Z Ray (USA)

15:20 am Surgical strategies for Adult BPI

Sumit Sinha (India)

15:40 am What the literature says for and against using phrenic nerve as donor in brachial plexus injuries?

Miguel Domínguez Paez (Spain)

16:00 am How imaging advances in neonatal BP affects surgical strategy of nerve reconstruction in obstetric brachial plexus palsies

Lynda Yang (USA)

16:20 am Toroscopic harvesting of the phrenic nerve: indications and results

Ricardo Gepp (Brazil)

16:40 am Analysis of the relation of body mass index and the results of surgery in brachial plexus injuries

Mariano Socolovsky (Argentina)



WFNS COMMITTEE WORKSHOPS

RADIOSURGERY COMMITTEE

Bramante
5

September 8, 2015 3.00 pm - 6.00 pm

UPDATE IN RADIOSURGERY

COORDINATOR: Vedantam Rajshekhar (India)

Staged Gamma Knife Radiosurgery for Large Cerebral AVMs

Sun Ha Paek (South Korea)

Update in functional radiosurgery

Jean Regis (France)

Update on Radiosurgery for meningiomas

Dheerendra Prasad (USA)

Modern imaging for GK radiosurgery

Antonio de Salles (Brazil/ USA)

Functional radiosurgery

Roberto Martinez (Spain)

To be decided

Mojgan Hodaie (Canada)

Radiosurgery for childhood AVMs

Vedantam Rajshekhar (India)

To be decided

K. Ganapathy (India)

September 8, 2015

COORDINATORS: Enrique Osorio Fonseca (Colombia) Chairman,
Marcos Masini (Brazil) Vice-Chairman

- 1:00 pm** **Minimal invasive occipital-C1-C2 fusion procedure preserving nuchal tension band**
Roberto Diaz (Colombia)
- 1:12 pm** **Clinical experience and biomechanical study of anterior cervical cage fixation**
Junichi Mizuno (Japan)
- 1:24 pm** **Anterior Foraminotomy in cervical spine**
Marcos Baabor (Chile)
- 1:36 pm** **Malformations of craniocervical transition**
Ricardo Botelho (Brazil)
- 1:48 pm** **Clinical and radiological analysis of modified open-door cervical laminoplasty using hydroxyapatite spacers and miniplates**
Se-Hoon Kim (South Korea)
- 2:00 pm** **Cervical laminoplasty without instrumentation - clinical and radiographic outcomes**
Ben Roitberg (USA)
- 2:12 pm** **Modern concerns in the sagittal balance of the spine**
Joao Pinheiro-Franco (Brazil)
- 2:24 pm** **Cervico-thoracic spine surgery for deformity: spacers, screws, rods and mesh**
Kee Kim (USA)
- 2:36 pm** **Pitfalls, complications and problem solving session: upper cervical extradural neurofibroma**
Adel El Hakim (Egypt)
- 2:48 pm** **Radiofrequency ablation and augmentation of spinal tumors**
Scott Robertson (USA)
- 3:00 pm** **Perioperative success in spinal surgery**
Prem Ramani (India)
- 3:12 pm** **Re-admission rates and causes in spine surgery**
Richard G. Fessler (USA)
- 3:24 pm** **A comparison of the clinical outcomes of coflex interlaminar stabilization versus Instrumented fusion in single-level lumbar spinal stenosis**
Jung Keun Suh (South Korea)
- 3:36 pm** **Posterior operations for cervical and lumbar disc herniation: long-term results of various operations**
George J. Dohrmann (USA)
- 3:48 pm** **MISS tubular TLIF: microsurgical anatomy and comparative results for unilateral vs bilateral transpedicular fixation**
José Antonio Soriano (México)
- 4:00 pm** **Problems of deformity correction in aging spine**
Mehmet Zileli (Turkey)
- 4:12 pm** **Utility of endoscopic surgery for third age patients with lumbar degenerative disease**
Enrique Osorio (Colombia)
- 4:24 pm** **Sacral tumours**
Jesus Lafuente (Spain)
- 4:36 pm** **Intraoperative neuromonitoring in spine surgery - the role for the spine surgeon**
Marcos Masini (Brazil)

Discussion of clinical cases 30 minutes

Richard G. Fessler, Ben Roitberg, Marcos Masini, Mehmet Zileli, Kee Kim



WFNS COMMITTEE WORKSHOPS

YOUNG NEUROSURGEONS FORUM

Bramante
3

September 8, 2015 2.00 pm - 5.00 pm

CURRENT STATE AND FUTURE DIRECTIONS

COORDINATOR: Ganesalingam Narenthiran (USA),

CHAIR PERSONS: Yoko Kato (Japan), André Grotenhuis (The Netherlands)

Welcome remarks

Yong Kwang Tu (Taiwan)

Current state and future directions in hydrocephalus

Giuseppe Cinalli (Italy)

Current state and future directions in vascular neurosurgery

Laligam Sekhar (USA)

Current state and future directions in skull base surgery

Miguel Arraez (Spain)

Current state and future directions in neuro-oncology surgery

Lorenzo Bello (Italy)

Current state and future directions in paediatric neurosurgery

Frederick Boop (USA)

Current state and future directions in spine surgery

Mehmet Zileli (Turkey)

Current state and future directions in cranio-cervical junction surgery

Atul Goel (India)

Current state and future directions in neurotrauma

Tony Figaji (South Africa)

Current state and future directions in peripheral nerve surgery

Rajiv Midha (Canada)

WEDNESDAY SEPTEMBER 9
BREAKFAST SEMINARS
MAIN SESSIONS
PLENARY SESSIONS



BREAKFAST SEMINARS SEPTEMBER 9

**Bramante
3**

BS NT 1 **Postramatic hematomas**

*Chairs: Said Ait Benali (Morocco)
Virendra Deo Sinha (India)*

07:30 am Epidural hematoma: timing and surgical technique
Said Ait Benali (Morocco)

07:45 am Acute subdural hematoma: timing and surgical technique
Julius Kiboi (Kenya)

08:00 am Diffuse axonal injury - A diagnostic and prognostic role of MRI brain
Virendra Deo Sinha (India)

08:15 am Chronic subdural hematomas
Souad Bakhti (Algeria)

08:30 am Discussion

**Bramante
4**

BS SP 1 **Lumbar motion preservation**

*Chairs: Edward Benzel (USA)
Hashim Shukor (Malaysia)*

07:30 am Motion preservation in lumbar DDD: the Malaysian experience
Hashim Shukor (Malaysia)

07:45 am Twelve-years personal experience in lumbar arthroplasty
Fabrizio Caroli (Italy)

08:00 am Motion preservation: hype or hope?
Edward Benzel (USA)

08:15 am Motion preservation in lumbar DDD: selection criteria
Nicola Marotta (Italy)

08:30 am Discussion

**Bramante
5**

BS SP 2 **Cervical DDD**

*Chairs: Gilles Dubois (France)
Wolfgang Rauschnig (Sweden)*

07:30 am Surgical anatomy and pathology of the cervical spine
Wolfgang Rauschnig (Sweden)

07:45 am Cervical instrumentation
Claudius Thomè (Austria)

08:00 am Early clinical experience of cervical laminoplasty using titanium spacer
Juniki Mizuno (Japan)

08:15 am Advantage of intersomatic cages prefilled with synthetic bone substitute HA/TCP
Gille Dubois (France)

08:30 am Discussion

**Bramante
6+7**

BS NO 1 **Pituitary adenomas**

*Chairs: Pablo Ajler (Argentina)
Neil Dorward (UK)*

07:30 am Management of large pituitary lesions in older patients
Ruediger Gerlach (Germany)

07:45 am Management of parasellar pituitary lesions
Neil Dorward (UK)

08:00 am Endoscopic approach for pituitary adenomas
Pablo Ajler (Argentina)

08:15 am Extended approach for pituitary adenomas
Domenico Solari (Italy)

08:30 am Discussion

**Bramante
8+9**

BS NO 2 **Intraventricular tumors**

*Chairs: Zeed Feldman (Israel)
Pierluigi Longatti (Italy)*

07:30 am Colloid cysts of the third ventricle
Zeev Feldman (Israel)

07:45 am Endoscopic management of colloid cysts
Guillermo Fernandez Molina (Argentina)

08:00 am Intraventricular tumor surgery
Ekkehard M. Kasper (USA)

08:15 am Fourth ventricle tumors
Filippo F. Angileri (Italy)

08:30 am Discussion

BREAKFAST SEMINARS SEPTEMBER 9

**Bramante
10**

BS NV 1

Management of intracranial aneurysms

*Chairs: Ling Feng (China)
Jacques Morcos (USA)*

- 07:30 am** **The role of clipping**
Gopal Raman Sharma (Nepal)
- 07:45 am** **Vascular reconstructions for aneurysm surgery**
Rokuya Tanikawa (Japan)
- 08:00 am** **Critique of flow diverters**
Jacques Morcos (USA)
- 08:15 am** **Treatment of posterior circulation aneurysms**
Ling Feng (China)
- 08:30 am** **Discussion**

**Bramante
11**

BS NV 2

Brain stem cavernomas

*Chairs: Eka Julianta Wahjoempramono (Indonesia)
Ying Mao (China)*

- 07:30 am** **When we can consider "complete" the removal of brainstem cavernomas?**
Eka Julianta Wahjoempramono (Indonesia)
- 07:45 am** **Different surgical approaches**
Mentor Petrela (Albania)
- 08:00 am** **Decision making in brainstem cavernomas**
Ying Mao (China)
- 08:15 am** **Verona experience with brain stem cavernomas**
Barabara Masotto (Italy)
- 08:30 am** **Discussion**

**Bramante
12**

BS FU 1

Treatment of movement disorders

*Chairs: Maximilian Mehdorn (Germany)
Faisal Al Otaibi (Saudi Arabia)*

- 07:30 am** **Common mistakes in movement disorders surgery**
Feridun Acar (Turkey)

- 07:45 am** **"Deep Brain Stimulation": the end of development?**
Maximilian Mehdorn (Germany)

- 08:00 am** **What's new in DBS for Parkinson's disease**
Faisal Al Otaibi (Saudi Arabia)

- 08:15 am** **The Italian experience of DBS**
Andrea Landi (Italy)

- 08:30 am** **Discussion**

**Bramante
14**

BS NO 3

Chordomas and posterior fossa meningiomas

*Chairs: Marcos Tatagiba (Germany),
Keki Turel (India)*

- 07:15 am** **Endoscopic endonasal approach for skull base and craniocervical junction chordomas**
Sébastien Froelich, Damien Bresson (France)

- 07:30 am** **Evolution of our management of clivocervical chordomas**
Keki Turel (India)

- 07:45 am** **What is the best treatment for clivus chordomas in 2015?**
Laligam Sekhar (USA)

- 08:00 am** **The retrosigmoid reserve kawase's approach for meningiomas of petrous apex and petroclival area**
Marcos Tatagiba (Germany)

- 08:15 am** **Endoscopic endonasal approaches to the posterior skull base**
Daniel M. Prevedello (USA)

- 08:30 am** **Discussion**

**Bramante
15**

BS PE 1

Congenital malformations

*Chairs: Armando Cama (Italy)
Gianpiero Tamburrini (Italy)*

- 07:30 am** **Management of myelomeningocele: past, present and future**
Santiago Portillo (Argentina)

- 07:45 am** **Controversies in Chiari malformation**
Bruno Splavsky (Croatia)

- 08:00 am** **Modern management of pediatric arachnoid cysts**
Alexandru Vlad Ciurea (Romania)

- 08:15 am** **Management of myelomeningocele**
Armando Cama (Italy)

- 08:30 am** **Discussion**



MAIN SESSIONS SEPTEMBER 9

Michelangelo

MS NO 1

*Chairs: Massimo Scerrati (Italy)
Gelareh Zadeh (Canada)*

- 08:45 am Gliomas: the new world of classification and management**
Gelareh Zadeh (Canada)
- 09:00 am Novel Treatments in newly diagnosed and recurrent GBM**
Alba Brandes (Italy)
- 09:15 am Oncolytic virotherapy**
E. Antonio Chiocca (USA)
- 09:30 am Pitfalls and limitations of brain mapping**
Isabelle Germano (USA)
- 09:45 am Glioma in eloquent areas**
Hugues Duffau (France)
- 10:00 am Surgery and biology of insular gliomas**
M. Necmettin Pamir (Turkey)
- 10:15 am High-grade glioma and low-grade glioma**
Jose Marcus Rotta (Brazil)
- 10:30 am The widening scope of treatment modalities for malignant glioma**
Manfred Westphal (Germany)

Tiziano
1

MS NO 2

*Chairs: Edward L. Laws (USA)
Akira Teramoto (Japan)*

- 08:45 am Malleable instruments for transsphenoidal surgery**
Mauro Loyo (Mexico)
- 09:00 am Anatomy of the ICA: a road map to the skull base**
Amin B. Kassam (USA)
- 09:15 am Transcranial and endoscopic approaches for skull base lesions**
Sebastien Froelich (France)
- 09:30 am Evolution of skull base surgery: from open to endoscopic techniques-current indications and limitations**
Fred Gentili (Canada)

- 09:45 am Evolution and results of surgery for pituitary adenoma**
Edward R. Laws Jr (USA)

- 10:00 am Management of Cushing: facts and fiction**
Imad Kanaan Imad (Saudi Arabia)

- 10:15 am Neurosurgical management of craniopharyngiomas**
Rudolph Fahlbusch (Germany)

- 10:30 am Endoscopic endonasal skull base surgery for craniopharyngiomas**
Daniel M. Prevedello (USA)

Tiziano
2

MS NV 1

*Chairs: Shigeaki Kobayashi (Japan)
Alberto Pasqualin (Italy)*

- 08:45 am The development of aneurysm clips**
Shigeaki Kobayashi (Japan)
- 09:00 am Management of giant paraclinoidal aneurysms – 25th Anniversary of the Dallas technique**
Hunt Batjer (USA)
- 09:15 am Treatment of large and complex intracranial aneurysms**
Manuel Cunha e Sa (Portugal)
- 09:30 am Treatment of intracranial aneurysms into 2015: an endovascular neurosurgeon perspective**
Giuseppe Lanzino (USA)
- 09:45 am Flow diverter: where are the limits?**
Edoardo Boccardi (Italy)
- 10:00 am Surgery of aneurysms after endovascular treatment**
Edgardo Spagnuolo (Uruguay)
- 10:15 am Surgical reconstruction of complex aneurysms: tricks of the trade**
Fady Charbel (USA)
- 10:30 am By-pass surgery for complex aneurysms**
Jacques Morcos (USA)

MAIN SESSIONS SEPTEMBER 9

Tiziano
3

MS SP 1

*Chairs: Giancarlo Guizzardi (Italy)
Franco Guida (Italy)*

- 09:00 am** **Evidence-based spine surgery**
Claudius Thomè (Austria)
- 09:15 am** **Is percutaneous endoscopic lumbar discectomy favorable to microdiscectomy?**
Kyung-Chul Choi (South Korea)
- 09:30 am** **Learning curve in interlaminar and transforaminal selective endoscopic disc decompression**
Robert Saftic (Croatia)
- 09:45 am** **Endoscopic multilevel lumbar canal stenosis**
Sumit Sinha (India)
- 10:00 am** **Anterior approaches to the thoracic and lumbar spine. Myths and facts**
Daniel Rosenthal (Argentina)
- 10:15 am** **Foraminal and extreme lateral lumbar disc herniations: surgical technique**
Remberto Ignacio Burgos de la Espreilla (Colombia)
- 10:30 am** **Endoscopic, minimally invasive or open surgery in the pathology of the brachial plexus. Is there a real value of each modality of treatment?**
Lucas Rasulic (Serbia)

Bramante
6+7

MS NT 1

*Chairs: John Povlishock (USA)
Domenico Esposito (USA)*

- 08:45 am** **An update of clinical studies in TBI**
Andrew Maas (Belgium)
- 09:00 am** **Traumatically-induced axonal injury: implications for brain morbidity and subsequent brain reorganization and repair**
John Povlishock (USA)
- 09:15 am** **Open evacuation and decompression surgery of thin acute subdural hemorrhage in severe head injury**
Abdul Hafid Bajamal (Indonesia)
- 09:30 am** **Decompressive craniectomy in children**
David Adelson (USA)
- 09:45 am** **Comparative results of the RESCUE ICP study**
Angelos Kolias (UK)
- 10:00 am** **Cisternostomy - breaking the web in trauma neurosurgery**
Iype Cherian (Nepal)
- 10:15 am** **Decompressive craniectomies in Pakistan**
Tariq Khan (Pakistan)
- 10:30 am** **Operative strategy of craniofacial injury. An experience with 2000 cases**
Zhilin Guo (China)



PLENARY SESSIONS SEPTEMBER 9

Michelangelo

*Chairs: Franco Servadei (Italy)
Francesco Tomasello (Italy)*

11:15 am Biomarkers and surgery of posterior fossa tumors in children

James T. Rutka (Canada)

11:30 am Overview of glioma surgery

Mitchel S. Berger (USA)

11:45 am Management of giant aneurysms

Yong Kwang Tu (Taiwan)

12:00 am Modern neuroimaging in TBI

Alexander Potapov (Russia)

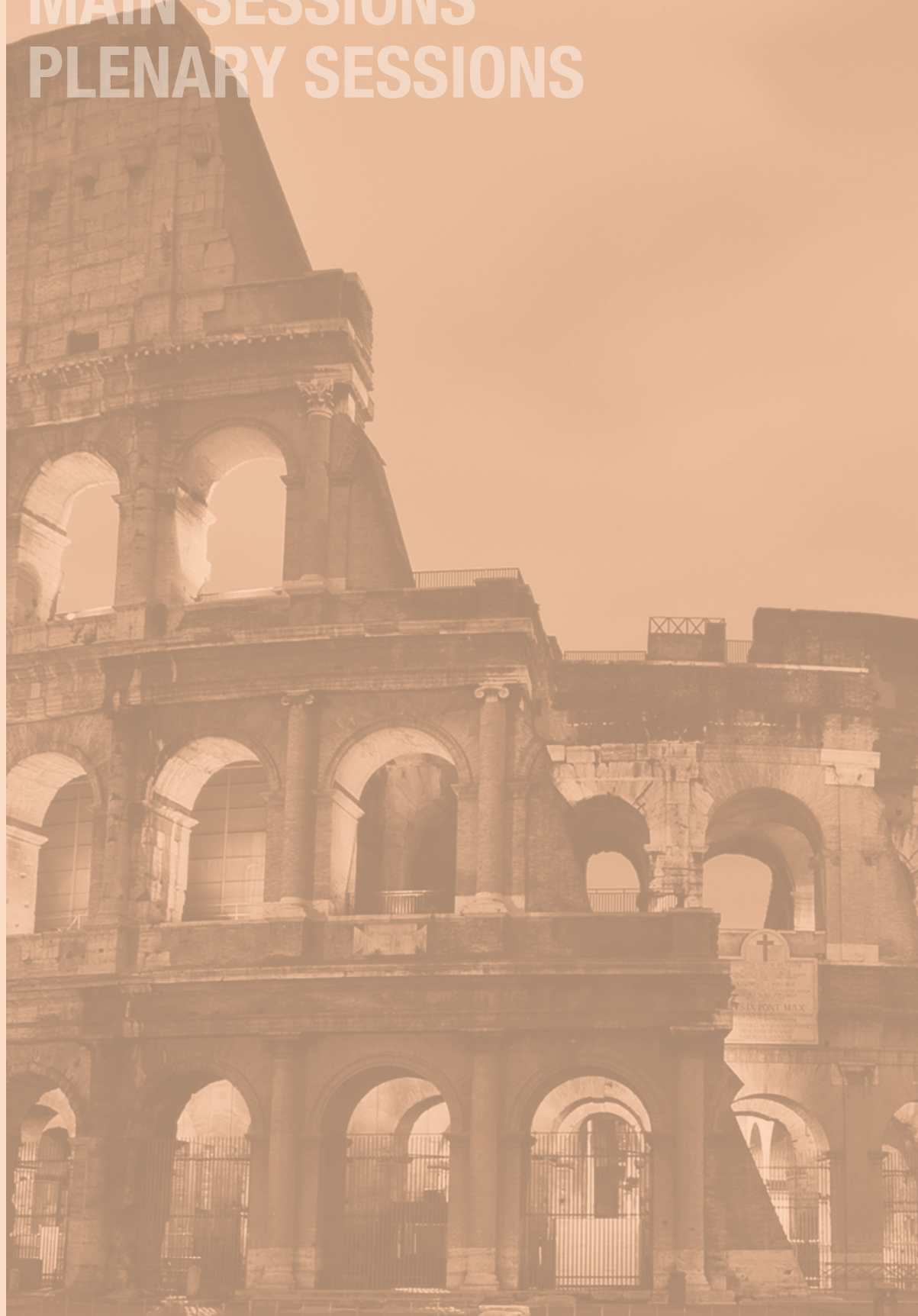
12:15 am Consideration of surgical indication and method for huge OPLL of the cervical spine

Yuniki Mizuno (Japan)

12:30 am Surgical treatment of the III ventricle tumours

Alexander Konovalov Samii Medalist

THURSDAY SEPTEMBER 10
BREAKFAST SEMINARS
MAIN SESSIONS
PLENARY SESSIONS





BREAKFAST SEMINARS SEPTEMBER 10

**Bramante
3**

BS NT 2 **Neuromonitoring in TBI**

*Chairs: Randall Matthew Chestnut (USA)
Corrado Iaccarino (Italy)*

- 07:30 am Do we really need ICP monitoring?**
Randall Matthew Chestnut (USA)
- 07:45 am Management of increased ICP**
Mohamed Al Olama (UAE)
- 08:00 am Results of the European Consensus Conference on ICP**
Corrado Iaccarino (Italy)
- 08:15 am Evaluation of intracranial pressure in patients undergoing decompressive craniectomy - are new threshold values necessary?**
Thomas Sauvigny (Germany)
- 08:30 am Discussion**

**Bramante
4**

BS SP 3 **Lumbar fusion and stabilization**

*Chairs: Umberto Agrillo (Italy)
Richard D. Fessler (USA)*

- 07:15 am Importance of sagittal balance in spine surgery**
Guillermo Molina (Argentina)
- 07:30 am Alternative techniques to pedicle screw fixation in degenerative lumbar spine**
Natale Francaviglia (Italy)
- 07:45 am Minimally Invasive TLIF for spondylolisthesis**
Richard G. Fessler (USA)
- 08:00 am Low back pain: toward modern neurosurgical management**
Swapan Mandal (India)
- 08:15 am Fusion or non-fusion: long term follow up**
Umberto Agrillo (Italy)
- 08:30 am Discussion**

**Bramante
5**

BS PE 2 **Pediatric neurosurgery**

*Chairs: Massimo Caldarelli (Italy)
Ahmed Zohdi (Egypt)*

- 07:30 am Neuroendoscopy in pediatric age group**
Ahmed Zohdi (Egypt)
- 07:45 am Tethered spinal cord**
Farideh Nejat (Iran)
- 08:00 am Paediatric hydrocephalus - how can we improve VP shunt survival and minimise early failure?**
Conor Mallucci (UK)
- 08:15 am Endoscopy and intraventricular tumors**
Giuseppe Cinalli (Italy)
- 08:30 am Discussion**

**Bramante
8+9**

BS NO 4 **Skull base meningiomas**

*Chairs: Joao Paulo Farias (Portugal)
Stefan Florian (Romania)*

- 07:15 am Endoscopic management of infratemporal fossa tumors**
James Liu (USA)
- 07:30 am Sphenoid wing meningiomas**
Joao Paulo Farias (Portugal)
- 07:45 am Transsphenoidal approach to anterior skull base meningiomas**
Luigi M. Cavallo (Italy)
- 08:00 am Tuberculum sellae meningiomas**
Stefan Florian (Romania)
- 08:15 am Midline sphenoidal meningiomas**
Andrea Ruggeri (Italy)
- 08:30 am Discussion**

**Bramante
10**

BS EES 1 **Innovation in neurosurgery**

*Chairs: Charles Liu (USA)
Arya Nabavi (Germany)*

- 07:30 am Nanotechnologies in neurosurgery**
Charles Liu (USA)

BREAKFAST SEMINARS SEPTEMBER 10

07:45 am **TMS motor and language mapping and its clinical integration**
Thomas Picht (Germany)

08:00 am **DTI based tractography of cranial nerves**
Venelin M. Gerganov (Germany)

08:15 am **Development, implementation and future of intraoperative imaging**
Arya Nabavi (Germany)

08:30 am **Discussion**

Bramante 11 **BS NO 5** **Sellar and parasellar tumors**

*Chairs: Nelson M. Oyesiku (USA)
Ricardo Ramina (Brazil)*

07:15 am **Value of navigation-guidance on outcome of endoscopic surgery of large suprasellar -sellar lesions. Comprehensive management strategy**
Mohamed El Fiki (Egypt)

07:30 am **3D endoscopy for sellar and parasellar tumors**
Nelson M. Oyesiku (USA)

07:45 am **High gross total resection rate in clival chordomas via transnasal pure endoscopic approach**
Jens Lehmberg (Germany)

08:00 am **radiosurgery for clival chordomas**
Jean Regis (France)

08:15 am **Jugular foramen tumors**
Ricardo Ramina (Brazil)

08:30 am **Discussion**

Bramante 12 **BS NO 6** **New frontiers in the glioma management**

*Chairs: Isabelle M. Germano (USA)
Riccardo Soffietti (Italy)*

07:30 am **State-of-the-art preoperative imaging for brain tumors**
Isabelle M. Germano (USA)

07:45 am **New Trends in medical management of low-grade gliomas**
Riccardo Soffietti (Italy)

08:00 am **Cytotoxic immunogenic therapy in newly diagnosed GBM: impact of gross total resection**
E. Antonio Chiocca (USA)

08:15 am **Aggressive surgery for gliomas**
Michael Sughrue (USA)

08:30 am **Discussion**

Bramante 14 **BS SP 4** **Spinal malformations**

*Chairs: Mostafa Kotb (Egypt)
Mehmet Zileli (Turkey)*

07:30 am **Problems of deformity connection in aging spine**
Mehmet Zileli (Turkey)

07:45 am **Long term results for treatment of open spinal dysraphism**
Mostafa Kotb (Egypt)

08:00 am **Spinal congenital malformations**
Nejat Akalan (Turkey)

08:15 am **Management of syringomyelia**
Jörg Klekamp (Germany)

08:30 am **Discussion**

Bramante 15 **BS NO 7** **Vestibular Schwannomas**

*Chairs: Mario Ammirati (USA)
Eduard Zverina (Czech Republic)*

07:30 am **Surgery of giant vestibular schwannomas: technical notes**
Mario Ammirati (USA)

07:45 am **Facial nerve preservation in large & giant vestibular schwannomas**
Suresh Nair (India)

08:00 am **Surgery for vestibular schwannomas**
Mehdi Ben Ammar (Tunisia)

08:15 am **Vestibular schwannoma: failure of partial resection with subsequent stereoradiosurgery**
Eduard Zverina (Czech Republic)

08:30 am **Discussion**



MAIN SESSIONS SEPTEMBER 10

Michelangelo

MS NO 3

*Chairs: Fabio Calbucci (Italy)
Takeshi Kawase (Japan)*

- 09:00 am Rethinking the management of all acoustic neuromas**
Ossama Al-Mefty (USA)
- 09:15 am Managing of skull base chordomas**
Takeshi Kawase (Japan)
- 09:30 am Transcortical-transventricular approach to colloid cysts of the third ventricle**
Ihsan Solaroglu (Turkey)
- 09:45 am Surgery of colloid cysts of the third ventricle - algorithms for treatment planning**
Uwe Spetzger (Germany)
- 10:00 am Endoscopic treatment of colloid cysts**
Philippe Decq (France)
- 10:15 am Classification of craniopharyngiomas with emphasis on the tumor – hypothalamus relationship**
Juraj Steno (Slovakia)
- 10:30 am Role of Skull Base surgery for radical resection of craniopharyngioma**
Kenji Ohata (Japan)

Tiziano
1

MS NO 4

*Chairs: Carmine Maria Carapella (Italy)
Luis Carlo De Alencastro (Brazil)*

- 09:00 am Strategies to improve safety and amount of resection in glioma surgery**
Luiz Carlos De Alencastro (Brazil)
- 09:15 am Modern surgical management of patients with symptomatic low grade glioma in eloquent areas**
Christian Lumenta (Germany)
- 09:30 am Personalized glioma surgery**
Jorge Christian Tonn (Germany)
- 09:45 am Optic pathway gliomas: dilemma child vs adult**
Shlomi Constantini (Israel)

- 10:00 am Endoscopy: a game changer in ependymoma**
Charlie Teo (Australia)

- 10:15 am Laser ablation surgery for cerebral deep seated lesions**
Michael Schulder (USA)

- 10:30 am A Phase 2 prospective study of surgery and radiosurgery in the treatment of patients with multiple brain metastases**
Mario Ammirati (USA)

Bramante
6+7

MS NV 2

*Chairs: Marco Cenzato (Italy)
Nobuo Hashimoto (Japan)*

- 08:45 am A critic to the ARUBA study**
Jared Knopman (USA)
- 09:00 am Treatment of unruptured brain AVMs after the ARUBA trial. Is treatment better than simple observation?**
Laligam Sekhar (USA)
- 09:15 am ARUBA: the reason for aggressive treatment of AVM's**
Philip Stieg (USA)
- 09:30 am Management of cerebral AVMs**
Mo To Ko (China)
- 09:45 am AVM surgery: surgical strategies**
Ivan NG (Singapore)
- 10:00 am Surgical treatment of cerebral AVMs**
Jafar Jafar (USA)
- 10:15 am The future of neurosurgical treatment of stroke**
Kresimir Rotim (Croatia)
- 10:30 am Microsurgery and endovascular combined treatment of intracranial vascular lesions**
Robert Dempsey (USA)

MAIN SESSIONS SEPTEMBER 10

Tiziano
2

MS SP 2

*Chairs: Gualtiero Innocenzi (Italy)
Enrique Osorio Fonseca (Colombia)*

- 08:45 am** **Short or long fixation in thoracolumbar fractures**
Scott Robertson (USA)
- 09:00 am** **Minimally invasive lumbar interbody fusion using an oblique corridor: Is it safe and effective?**
Jin-Sung Kim (South Korea)
- 09:15 am** **Lumbar spine stenosis: pros and cons for decompression, fusion and instrumentation**
Yuriy Pedachenko (Ukraine)
- 09:30 am** **The modern management of lumbar disc disease with minimally invasive neurosurgery**
Marco A. Molina-Martinez (Honduras)
- 09:45 am** **Minimally invasive spine surgery**
Sujoy Sanyal (India)
- 10:00 am** **Spine MISS: its meaning and impact**
Enrique Osorio Fonseca (Colombia)
- 10:15 am** **Biological fusion and minimal invasive surgery in lumbar stenosis**
Tito Perilla (Colombia)
- 10:30 am** **Surgical treatment of thoracic spine stenosis**
Marcos Masini (Brazil)

Bramante
8+9

MS SP 3

*Chairs: Mario Meglio (Italy)
Cumhur Kilincer (Turkey)*

- 09:00 am** **Gunshot wounds to the spine: myths and reality**
Hildo Azevedo-Filho (Brazil)
- 09:15 am** **Cervical anterior microforaminotomy**
Cumhur Kilincer (Turkey)
- 09:30 am** **Surgical management of complex cranio-vertebral junction anomalies**
Komal Prasad (India)
- 09:45 am** **C1-C2 fixation in craniovertebral junction instability**
Fengzeng Jian (China)
- 10:00 am** **Multiple screw placement for C2 fixation**
Jin S. Yeom (South Korea)
- 10:15 am** **When to add occiput to fusion**
Mehmet Zileli (Turkey)
- 10:30 am** **C1/C2 fixation for traumatic cases**
Enrico Tessitore (Switzerland)



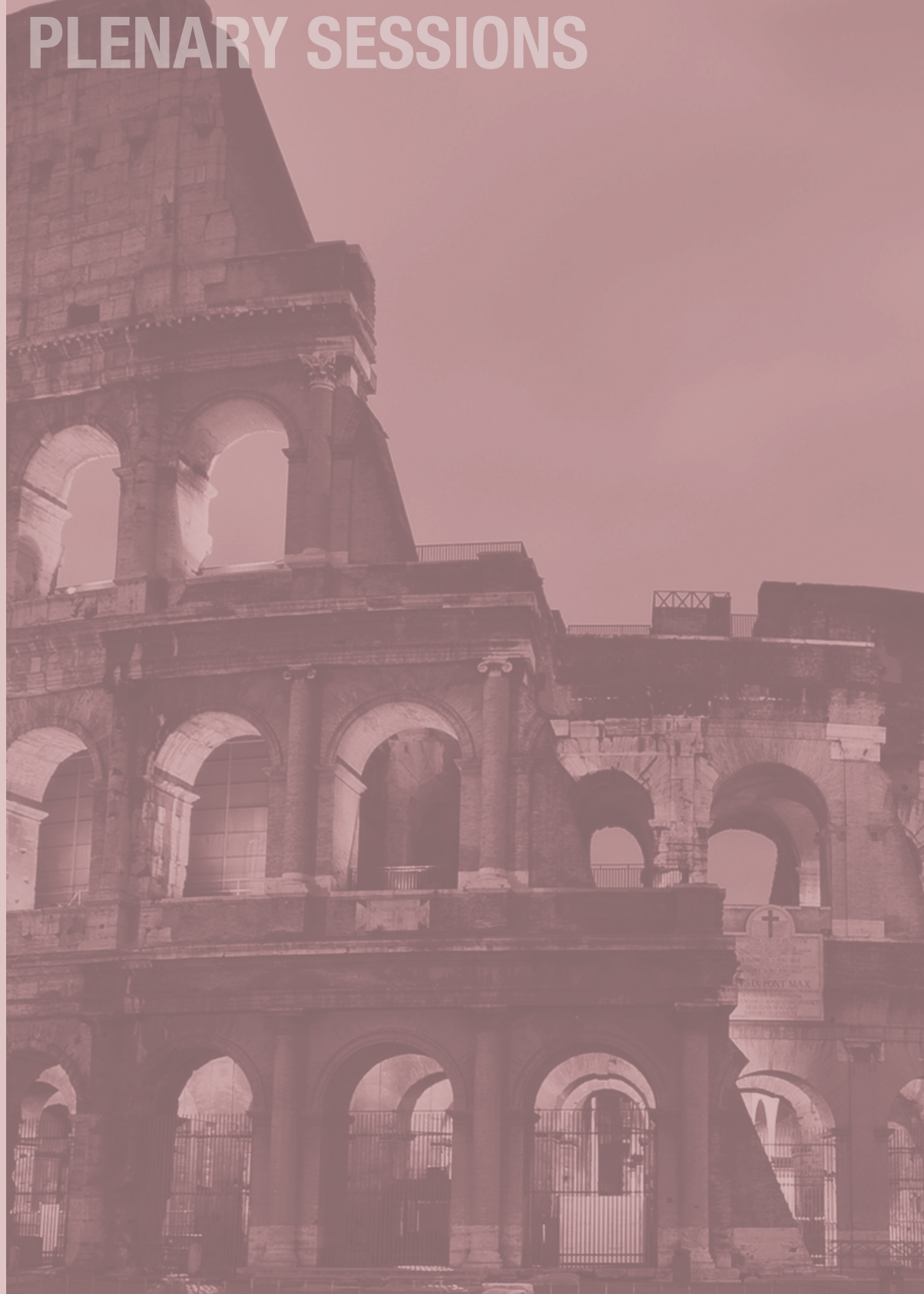
PLENARY SESSIONS SEPTEMBER 10

Michelangelo

*Chairs: Alberto Delitala (Italy)
Roberto Delfini (Italy)*

- 11:15 am** **Current treatment of petroclival meningiomas - Experiences and changing paradigms over 25 years**
Volker Seifert (Germany)
- 11:30 am** **Update on the EF14 randomized study of TTF therapy in newly-diagnosed GBM**
Zvi Ram (Israel)
- 11:45 am** **The case for clipping anterior circulation aneurysm**
Robert Spetzler (USA)
- 12:00 am** **Meningiomas: Long-term management or cure**
Tiit Mathiesen (Sweden)
- 12:15 am** **Some thoughts about peripheral nerve surgery: Is it important as clipping an aneurysm or resecting a brain tumor?**
Mariano Socolovsky (Argentina)
- 12:30 am** **Guido Guglielmi Coils: history
Video**
Guido Guglielmi (Italy)

FRIDAY SEPTEMBER 11
BREAKFAST SEMINARS
MAIN SESSIONS
PLENARY SESSIONS





BREAKFAST SEMINARS SEPTEMBER 11

Bramante
3

BS NT 3 Prevention of TBI

*Chairs: Thomas Gennarelli (USA)
Michele Naddeo (Italy)*

- 07:30 am** **A new theory of the concussions: the symptomcentric concept**
Thomas Gennarelli (USA)
- 07:45 am** **Sport injuries in Italy**
Stefano Signoretti (Italy)
- 08:00 am** **The experience of trauma prevention in Iran**
Amir Jamshidi Abas (Iran)
- 08:15 am** **The experience of trauma prevention in Italy**
Michele Naddeo (Italy)
- 08:30 am** **Discussion**

Bramante
4

BS SP 5 Spine Tumors

*Chairs: Richard D. Fessler (USA)
Antonino Raco (Italy)*

- 07:30 am** **Management of vertebral tumors**
Richard G. Fessler (USA)
- 07:45 am** **Decision making in spine tumor surgery**
David Choi (UK)
- 08:00 am** **Refining the management of intramedullary tumors**
Jan Regelsberger (Germany)
- 08:15 am** **Intradural extramedullary tumors**
Antonino Raco (Italy)
- 08:30 am** **Discussion**

Bramante
5

BS SP 6 Cranio Cervical Trauma

*Chairs: Sushil Patkar (India)
Volker K. H. Sonntag (USA)*

- 07:30 am** **Management of cranio-cervical injuries**
Volker Sonntag (USA)
- 07:45 am** **Multiple screw placement for C2 fixation**
Jin S. Yeom (South Korea)

- 08:00 am** **Simplifying cranio vertebral junction fixation techniques**
Sushil Patkar (India)

- 08:15 am** **C2 fractures anterior or posterior approach?**
Raffaele De Falco (Italy)

- 08:30 am** **Discussion**

Bramante
10

BS EES 2 Innovation in neurosurgery

*Chairs: Russell J. Andrews (USA)
Ivan Ng (Singapore)*

- 07:30 am** **Intraoperative imaging in neurosurgery: is IMR here to stay**
Ivan NG (Singapore)
- 07:45 am** **Nanotechniques for next-generation neuromodulation: DBS BMI**
Russell J. Andrews (USA)
- 08:00 am** **Clinical challenges in translational nano-therapeutics in neuro-oncology**
Kamal Prasad (India)
- 08:15 am** **Use of laser interstitial thermal therapy (LITT) for the treatment of difficult to access brain tumors**
Sujit Prabhu (USA)
- 08:30 am** **Discussion**

Bramante
11

BS FU 2 DBS

*Chairs: Angelo Franzini (Italy)
Ali Rezai (USA)*

- 07:30 am** **Neurocognitive diseases**
Ali Rezai (USA)
- 07:45 am** **The history of DBS**
Maximilian Mehdorn (Germany)
- 08:15 am** **tbd**
tbd
- 08:30 am** **New targets**
Angelo Franzini (Italy)
- 08:30 am** **Discussion**

BREAKFAST SEMINARS SEPTEMBER 11

Bramante
12

BS NV 3

Complex aneurysm surgery today

*Chairs: Lucia Benvenuti (Italy)
Antonio Santoro (Italy)*

07:30 am **Surgery of complex brain aneurysms**
Amir Dehdashti (USA)

07:45 am **Middle cerebral artery aneurysms**
Alexandros Andreou (Greece)

08:00 am **Cerebral revascularization**
Antonio Santoro (Italy)

08:15 am **Management of giant aneurysms**
Eka Julianta Wahjoepramono (Indonesia)

08:30 am **Discussion**

Bramante
6+7

BS NO 8

Cavernous sinus meningiomas

*Chairs: Sébastien Froelich (France)
Kyu-Sung Lee (South Korea)*

07:30 am **Basal meningioma: the quest for a cure**
Osama Al-Mefty (USA)

07:45 am **Surgical treatment of cavernous sinus tumors**
Kyu Sung Lee (South Korea)

08:00 am **Transcranial vs transsphenoidal approaches**
Sebastien Froelich (France)

08:15 am **Radiosurgery**
Alfredo Conti (Italy)

08:30 am **Discussion**

Bramante
8+9

BS NO 9

Gliomas

*Chairs: Shlomi Constantini (Israel)
Charlie Teo (Australia)*

07:30 am **Can hypothalamic gliomas be treated efficiently with surgery?**
Helmuth Bertalanffy (Germany)

07:45 am **Pediatric brainstem tumors**
Schlomi Constantini (Israel)

08:00 am **Keyhole approach to gliomas**
Charlie Teo (Australia)

08:15 am **Awake surgery for low grade gliomas**
Juan Barcia (Spain)

08:30 am **Discussion**

Bramante
14

BS NO 10

Craniopharyngiomas

*Chairs: Henry Dufour (France)
Abdelsham El Khamlichi (Morocco)*

07:30 am **Interstitial radiotherapy using phosphorus-32 for giant posterior fossa cystic craniopharyngiomas**
Yu Xin (China)

07:45 am **Transtubercular approach for suprasellar craniopharyngiomas**
Henry Dufour (France)

08:00 am **Extended endoscopic transphenoidal surgery for craniopharyngiomas**
Neil Dorward (UK)

08:15 am **Surgical management of craniopharyngiomas**
Addelsham El Khamlichi (Morocco)

08:30 am **Discussion**

Bramante
15

BS NO 11

Pituitary adenomas

*Chairs: Fred Gentili (Italy)
Engelbert Knosp (Austria)*

07:30 am **The evolution of pituitary adenoma surgery**
Edward Laws (USA)

07:45 am **Endoscopic pituitary surgery: has it become the standard of care for pituitary adenomas?**
Fred Gentili (Canada)

08:00 am **Surgical management of pituitary adenomas (African experience)**
Kazadi Kalangu (Zimbabwe)

08:15 am **Pituitary adenoma surgery**
Engelbert Knosp (Austria)

08:30 am **Discussion**



MAIN SESSIONS SEPTEMBER 11

Michelangelo

MS NO 5

*Chairs: Alessandro Ducati (Italy)
Jonathan Pollock (UK)*

08:45 am Foramen magnum tumors: choosing the best approach
Jose Alberto Landeiro (Brazil)

09:00 am Petroclival meningiomas
Anil Nanda (USA)

09:15 am Suprasellar meningiomas
Ricardo Ramina (Brazil)

09:30 am Quality of life and global outcome in olfactory groove meningiomas
Alexandru Vlad Ciurea (Romania)

09:45 am Surgery of falco-tentorial meningiomas
Kyu-Sung Lee (South Korea)

10:00 am The management of orbital meningiomas
William Couldwell (USA)

10:15 am Spheno-orbital meningiomas
Ibrahim Sbeih (Jordan)

10:30 am Surgery and radiosurgery for skull base meningiomas
Michael McDermott (USA)

Tiziano
1

MS NO 6

*Chairs: Francesco Di Meco (Italy)
Harry van Loveren (USA)*

09:00 am Keyhole brain tumor surgery
Michael Sughrue (USA)

09:15 am Keyhole & endoscopic surgery techniques for brain tumors
Garni Barkhoudarian (USA)

09:30 am Skull base surgical approaches in the era of reason
Harry van Loveren (USA)

09:45 am Minimally invasive transtubular approaches in neurosurgery: selected applications and advantages
Antonio Bernardo (USA)

10:00 am Intraoperative MRI and awake craniotomy for the resection of gliomas
Sujit Prabhu (USA)

10:15 am Robotics in neurosurgery
Kazuhiro Hongo (Japan)

10:30 am Impact of smart OR implementation
Enrique Ferrer (Spain)

Tiziano
2

MS NV 3

*Chairs: Hildo Azevedo-Filho (Brazil)
Giulio Maira (Italy)*

08:45 am Cognitive and language disturbances following aneurysmal SAH
Hildo Azevedo-Filho (Brazil)

09:00 am Computational and morphometric analysis of aneurysm growth, rupture and repair
Charles Prestigiacomo (USA)

09:15 am Advancement of treatment on cerebral aneurysms
Yoko Kato (Japan)

09:30 am Middle cerebral artery aneurysms: selection criteria for endovascular or microsurgical treatment
Alexandros Andreou (Greece)

09:45 am Revascularization techniques for treatment of moyamoya
Katsumi Takizawa (Japan)

10:00 am Surgical treatment of moyamoya disease: latin american experience
Leonidas Quintana (Chile)

10:15 am Moyamoya disease in Israel
Zeev Feldman (Israel)

10:30 am Embryological considerations on dural AVF
Michihiro Tanaka (Japan)

MAIN SESSIONS SEPTEMBER 11

Tiziano
3

MS NT 2

*Chairs: András Buki (Hungary)
Paolo Missori (Italy)*

09:00 am **Biomarkers of traumatic brain injury**
Andras Buki (Hungary)

09:15 am **Management of diffuse axonal injury**
Eugene Pedachenko (Ukraine)

09:30 am **Management of TBI in Iran**
Hamid Rahmat (Iran)

09:45 am **Antisecretory factor and ICP management**
Mohamed Al-Olama (United Arab Emirates)

10:00 am **Epidemiology of traumatic spine injuries in Cambodia**
Kee B. Park (Cambodia)

10:15 am **Dural expansion in cervical spine trauma**
Marios Papadopoulos (UK)

10:30 am **Predictors of functional recovery in african patients with traumatic intracranial hematomas**
Julius Kiboi (Kenya)

Bramante
6+7

MS FU 1

*Chairs: Michele Lanotte (Italy)
Marc Sindou (France)*

09:00 am **Complications of deep brain stimulation - making DBS safer**
Maximilian Mehdorn (Germany)

09:15 am **Uncommon applications of deep brain stimulation in hyperkinetic movement disorders**
Paresh Doshi (India)

09:30 am **Deep brain stimulation for psychiatric diseases**
Juan Barcia (Spain)

09:45 am **Surgery for mesial temporal lobe epilepsy due to hippocampal sclerosis: 5-years experience**
Tomislav Sajko (Croatia)

10:00 am **Anterior temporal lobectomy vs amygdalohippocampectomy for hippocampal sclerosis**
Elyseu Paglioli (Brazil)

10:15 am **Surgery in the DREZ, for pain and spasticity**
Marc Sindou (France)

10:30 am **The auditory midbrain implant-a prosthesis for neural deafness**
Amir Samii (Germany)

Bramante
8+9

MS EES 1

*Chairs: Armando Basso (Argentina)
Gail Rosseau (USA)*

09:00 am **The use of simulators in neurosurgical training and practice**
Gail Rosseau (USA)

09:15 am **Bringing neurosurgery into light in Sub-Saharan Africa**
Abdelsham El Khamlichi (Morocco)

09:30 am **State of the art of neurosurgery in Latin America**
Armando Basso (Argentina)

09:45 am **Ethics and dilemmas in management of skull base lesions**
Keki Turel (India)

10:00 am **World neurosurgery update**
Edward Benzel (USA)

10:15 am **Disaster response: an opportunity for neurosurgeons to improve global health care**
Russell J. Andrews (USA)

10:30 am **Giant step**
Michael L. J. Apuzzo (USA)



PLENARY SESSIONS SEPTEMBER 11

Michelangelo

*Chairs: Giovanni Broggi (Italy)
Domenico D'Avella (Italy)*

11:15 am Ethical dilemmas in daily neurosurgical practice
Ahmed Ammar (Saudi Arabia)

11:30 am Brain mapping in glioma surgery
Ying Mao (China)

11:45 am Microsurgery of complex aneurysms
Basant Misra (India)

12:00 am Surgery of craniocervical junction
Madjid Samii (Germany)

12:15 am Epilepsy surgery
Konstantinos Fountas (Greece)

12:30 am Operating in the cradle: advancing neurosurgery in Africa
Graham Fieggen (South Africa)

12:45 am Mare Nostrum
Giuseppe De Giorgi, Admiral Chief of the Italian Navy

SATURDAY SEPTEMBER 12
BREAKFAST SEMINARS
MAIN SESSIONS
PLENARY SESSIONS





BREAKFAST SEMINARS SEPTEMBER 12

**Bramante
3**

BS NT 4 **Spine Trauma**

*Chairs: Pasquale Ciappetta (Italy)
Shahzad Shamim (Pakistan)*

- 07:30 am Treatment of spine fractures by vertebroplasty**
Ramiro Alvarado (Bolivia)
- 07:45 am Treatment of compression fractures**
Aloysius Bambang Darwono (Indonesia)
- 08:00 am Damage control spine surgery**
Gene Bolles (USA)
- 08:15 am Anterior or posterior approach for cervical spine trauma**
Andrea Barbanera (Italy)
- 08:30 am Discussion**

**Bramante
4**

BS PN 1 **Peripheral nerve surgery**

*Chairs: Debora Garozzo (Italy)
Mariano Socolovsky (Argentina)*

- 07:30 am On line training in peripheral nerve surgery**
Mariano Socolovsky (Argentina)
- 07:45 am Endoscopic or MI or open surgery in the pathology of brachial plexus and peripheral nerves**
Lucas Rasulic (Serbia)
- 08:00 am Adult brachial plexus injuries, a personal experience of 150 cases and management strategies**
Sumit Sinha (India)
- 08:15 am Brachial plexus tumors**
Debora Garozzo (Italy)
- 08:30 am Discussion**

**Bramante
5**

BS FU 3 **Epilepsy Surgery**

*Chairs: Nejat Akalan (Turkey)
Jibril Osman Farah (UK)*

- 07:30 am Surgical treatment of local cortical dysplasia**
Giorgio Lo Russo (Italy)
- 07:45 am Treatment modalities for intractable epilepsy in hypothalamic hamartomas**
Ali Rezaei (USA)

- 08:00 am Review of epilepsy surgery**
Jibril Osman Farah (UK)

- 08:15 am Pediatric temporal lobe epilepsy surgery: resection based on etiology and anatomical location**
Nejat Akalan (Turkey)

- 08:30 am Discussion**

**Bramante
8+9**

BS NO 12 **Posterior fossa tumors**

*Chairs: Vladimír Benes (Czech Republic)
Felix Umansky (Israel)*

- 07:30 am Posterior fossa meningiomas: taxonomy based on 120 cases**
Vladimír Beneš (Czech Republic)
- 07:45 am Surgery for complex posterior fossa tumors**
William Couldwell (USA)
- 08:00 am Sitting vs. lateral position for complex posterior fossa surgery**
Felix Umansky (Israel)
- 08:15 am Surgical management of cerebellar astrocytomas**
Luca Denaro (Italy)
- 08:30 am Discussion**

**Bramante
10**

BS FU 4 **Functional pathology of cranial nerves**

*Chairs: Antonio Fioravanti (Italy)
Abdessamad El Ouahabi (Morocco)*

- 07:30 am Old and new strategies in the treatment of trigeminal Neuralgia: which to choose?**
Enrique Urculo (Spain)
- 07:45 am Surgical management of trigeminal neuralgia: comparison of percutaneous procedure and microvascular decompression**
Abdessamad El Ouahabi (Morocco)
- 08:00 am Microvascular decompression for trigeminal neuralgia**
Damianos Sakas (Greece)
- 08:15 am Treatment of hemifacial spasm**
Antonio Fioravanti (Italy)
- 08:30 am Discussion**

BREAKFAST SEMINARS' SEPTEMBER 12

Bramante
11

BS NO 13

Endoscopy

*Chairs: Felice Esposito (Italy)
Henry Schroeder (Germany)*

07:30 am **Keyhole supraorbital approach: Endoscopy versus Microsurgery**
Henry Schroeder (Germany)

07:45 am **Giant Pituitary Adenomas**
Salman Sharif (Pakistan)

08:00 am **Intraoperative MRI in non pituitary endonasal surgery**
David Netuka (Czech Republic)

08:15 am **Endoscopic endoventricular and transphenoidal treatment**
Felice Esposito (Italy)

08:30 am **Discussion**

Bramante
12

BS NV 4

Management of dural AVF's and AVM's

*Chairs: Giuseppe Lanzino (Italy)
Mario Zuccarello (USA)*

07:30 am **Surgery of intracranial AVM's**
Stefan Florian (Romania)

07:45 am **The role of microsurgery in the management of Intracranial AVF's**
Mario Zuccarello (USA)

08:00 am **Spinal dural AVF's**
Giuseppe Lanzino (Italy)

08:15 am **Combined treatment of dural AVF's**
Marco Fontanella (Italy)

08:30 am **Discussion**

Bramante
14

BS NO 14

Skull base surgery

*Chairs: Miguel Arraez (Spain)
Armando Basso (Argentina)*

07:30 am **Treatment options in skull base reconstruction**
Azmi Alias (Malaysia)

07:45 am **Complications of transsphenoidal anterior skull base surgery**
Armando Basso (Argentina)

08:00 am **Supraorbital approach: advantages and limitations**

Luiz Carlos De Alencastro (Brazil)

08:15 am **The subfrontal-interhemispheric approach to the parasellar and III ventricle region**
Miguel Arraez (Spain)

08:30 am **Discussion**

Bramante
6+7

BS NO 15

Meningiomas

*Chairs: Michael McDermott (USA)
Ibrahim Sbeih (Jordan)*

07:30 am **What factors predict recurrence**
Galareh Zadeh (Canada)

07:45 am **Treatment of recurrent meningiomas**
Michael McDermott (USA)

08:00 am **Foramen magnum meningiomas**
Ibrahim Sbeih (Jordan)

08:15 am **Variations in neurosurgical management of central skull base meningiomas**
Ibrahim Kanaan (Saudi Arabia)

Bramante
15

BS SP 7

Cervical Spondylotic Myelopathy

*Chairs: Vincenzo Denaro (Italy)
Hiroshi Nakagawa (Japan)*

07:30 am **Different approaches for management of cervical spondylotic myelopathy**
Maurizio Fornari (Italy)

07:45 am **Anatomical-clinical aspects and treatment of cervical spondylotic myelopathy**
Vincenzo Denaro (Italy)

08:00 am **Microdiscectomy and foraminotomy with cage fixation in cervical spondylotic myelopathy and radiculopathy**
Hiroshi Nakagawa (Japan)

08:15 am **Cervical sagittal alignment parameters: can they correlate with neck disability after standalone laminectomy for the treatment of cervical spondylotic myelopathy?**
Ana Luis (Portugal)

08:30 am **Discussion**



MAIN SESSIONS SEPTEMBER 12

Michelangelo

MS NO 7

*Chairs: Francesco Maiuri (Italy)
Pietro Mortini (Italy)*

- 09:00 am** The combined use of IOM and intraoperative MRI for surgical treatment of intrinsic brainstem tumors
Marcos Tatagiba (Germany)
- 09:15 am** Less aggressive treatment of petro-clival meningiomas: long term results
Hee-Won Jung (South Korea)
- 09:30 am** Microsurgical management of the petrous apex region
Miguel Arraez (Spain)
- 09:45 am** The management of orbital meningiomas
William Couldwell (USA)
- 10:00 am** Factors influencing outcome of surgery in anterior cranial fossa meningioma
Sherif Ezzat (Egypt)
- 10:15 am** Surgical treatment of parasagittal meningiomas: results and complications
Apio Antunes (Brazil)
- 10:30 am** Anterior skull base meningiomas
Najia El Abbadi (Morocco)

Tiziano
1

MS NV 4

*Chairs: Jacques Brotchi (Belgium)
Vincenzo Antonio D'Angelo (Italy)*

- 09:00 am** Surgical management of brainstem cavernomas
Helmuth Bertalanffy (Germany)
- 09:15 am** Surgery of brain cavernous angiomas
Eka Julianta Wahjoepramono (Indonesia)
- 09:30 am** Brainstem cavernomas: microsurgery or radiosurgery?
Engelbert Knosp (Austria)
- 09:45 am** Experience and surgical tricks on 58 spinal cord hemangioblastomas
Jacques Brotchi (Belgium)

- 10:00 am** Endoscope-assisted microvascular decompression in hemifacial spasm
Henry Schroeder (Germany)

- 10:15 am** Management of anterior circulation aneurysms in the post ISAT era. Outcome of clipping versus coiling in a single institution of Rabat
Abdessamad El Ouahabi (Morocco)

- 10:30 am** Microvascular decompression in the elderly patient: a safe procedure
Rogelio Revuelta (Mexico)

Tiziano
2

MS NV 5

*Chairs: Vladimír Benes (Czech Republic)
Ermanno Giombelli (Italy)*

- 09:00 am** Comprehensive anatomy of the arterial blood supply of the brain
Pierre Rabischong (France)
- 09:15 am** Hemodynamic analysis of vessel remodelling in STA-MCA by pass for moyamoya disease
Liang-fu Zhou (China)
- 09:30 am** Microsurgical management of AVMs in Hereditary Hemorrhagic Telangiectasia (HHT) patients
Matteo Maria Baccanelli (Argentina)
- 09:45 am** Carotid endoarterectomy
Christopher Loftus (USA)
- 10:00 am** Carotid endoarterectomy and carotid stenting: state of the art based on 1500 cases
Vladimír Beneš (Czech Republic)
- 10:15 am** Intraoperative complications of surgery for aneurysms and brain AVM's
Shalva Eliava (Russia)

MAIN SESSIONS SEPTEMBER 12

Bramante
6+7

MS PE 1

*Chairs: Giuseppe Cinalli (Italy)
Michelangelo Gangemi (Italy)*

- 09:00 am Intramedullary tumors in children**
Maurice Choux (France)
- 09:15 am Endoscopic surgery for complex hydrocephalus**
J. André Grotenhuis (The Netherlands)
- 09:30 am Endoscopic surgery in pediatric hydrocephalus**
Azmi Alias (Malaysia)
- 09:45 am Neuroendoscopy in the first year of life**
Artur Henrique Galvao Bruno da Cunha (Brazil)
- 10:00 am Pediatric epilepsy surgery**
Nejat Akalan (Turkey)
- 10:15 am Endo-assisted microsurgery of tumors in children**
Mohamed El Beltagy (Egypt)
- 10:30 am Tethered spinal cord**
Elgohary Mohamed Elgohary (Egypt)

Tiziano
3

MS NO 8

*Chairs: Umberto Godano (Italy)
Kazadi Kalangu (Zimbabwe)*

- 08:45 am Practical implications of 5-ALA guidance in glioblastoma surgery**
Philippe Schucht (Switzerland)
- 09:00 am Neurorestoration**
Charles Liu (USA)
- 09:15 am Surgical management of parasagittal meningiomas**
Kazadi Kalangu (Zimbabwe)
- 09:30 am Intraorbital lesions**
Suad Bakhti (Algeria)
- 09:45 am Intraorbital tumors**
Christian Matula (Austria)
- 10:00 am Intraventricular tumors**
Danika Grujicic (Serbia)
- 10:15 am Surgical treatment of spinal cord intramedullary tumors: the Burdenko experience**
Nicolay Konovalov (Russia)
- 10:30 am New Trends in the surgery of intramedullary tumors**
Rosario Gonzalez Rodrigalvarez (Spain)



PLENARY SESSIONS SEPTEMBER 12

Michelangelo

*Chairs: Paolo Cappabianca (Italy)
Vincenzo Esposito (Italy)*

11:15 am Surgery of thalamic tumors
Ugur Türe (Turkey)

11:30 am Percutaneous endoscopic decompression of lumbar foraminal and lateral recess stenosis
Jung Seok Bae (South Korea)

11:45 am Craniovertebral stabilization
Atul Goel (India)

12:00 am What we can do today toward targeted TBI therapy: a pragmatic approach
Randall Matthew Chestnut (USA)

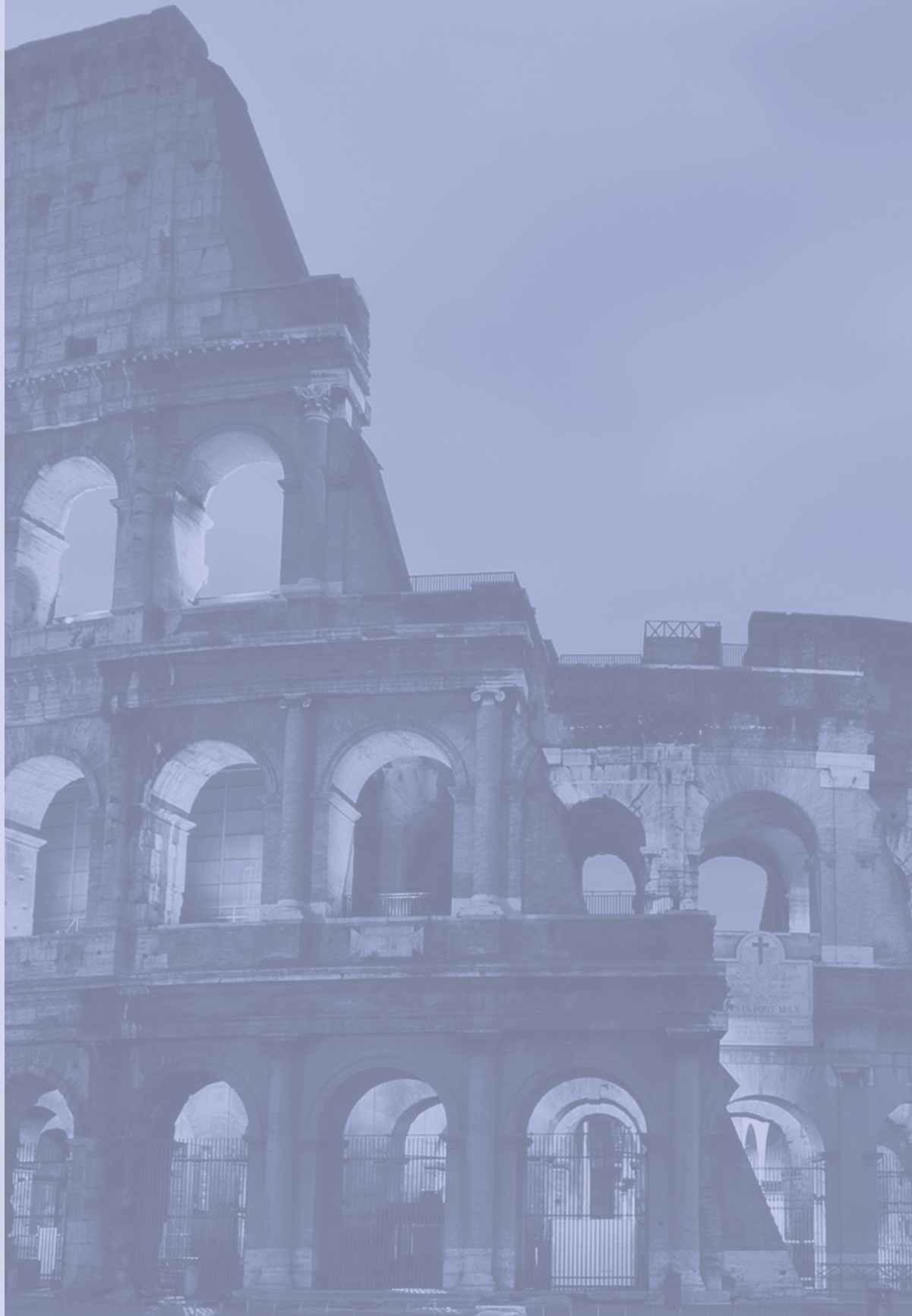
12:15 am Modern neurosurgery in Egypt: practising with low budget
Mostafa Kotb (Egypt)

12:30 am Surgery of insular gliomas: new approaches
Claudio Yampolsky (Argentina)

12:45 am A dissection of the Leonardo's drawing 'The Vitruvian man'
Marco Gaiani, Professor of Architectural Representation at the AlmaMater Studiorum, University of Bologna

13:00 am Closing Ceremony

SPONSORED LUNCHEON SEMINARS





SPONSORED LUNCHEON SEMINARS SEPTEMBER 9

Bramante
11

01:00 pm - 02:30 pm

CONTROVERSIES IN CERVICAL SPINE TREATMENT

With the contribution of DePuy Synthes GmbH

Chairs: *Alessandro Ducati (Italy), Sushil Patkar (India)*

Adjacent level degeneration *Maurizio Fornari (Italy)*

Cervical myelopathy: anterior or posterior approach? *Giuseppe Barbagallo (Italy)*

C1 - C2 fracture: conservative vs surgical treatment *Filippo Maria Polli (Italy)*

Management of dens fractures elderly *Cumhur Kilincer (Turkey)*

Bramante
12

01:00 pm - 02:30 pm

ESTABLISHED AND NEW FRONTIERS OF GAMMA KNIFE SURGERY AND MEG DIAGNOSTICS

With the contribution of Elekta Instrument AB

Introduction to Gamma Knife Surgery *Piero Picozzi (Italy)*

Advanced Gamma Knife Surgery, the icon experience *Jean Regis (France)*

Introduction to MEG diagnostics *Elena De Martin*

Integration of fMRI and MEG functional maps into a planning system: feasibility study for motor activity localization and dose planning *Elena De Martin*

SPONSORED LUNCHEON SEMINARS SEPTEMBER 10

Bramante 10 01:00 pm - 02:00 pm **NEW MODALITIES OF TREATMENT FOR ICH/IVH AND RELATED NEW CLINICAL TRIALS**

With the contribution of Penumbra Europe GmbH

Deep hemorrhage evacuation: a game-changing surgical approach to a largely untreated condition
Ray Turner (USA)

Introducing the EPOCH trial, a European randomized trial on the early evacuation of deep brain hematoma using the Apollo system *Jan Regelsberger (Germany)*

Bramante 12 01:15 pm - 02:15 pm **ULTRASONIC BONE DISSECTION IN SPINAL SURGERY: IMPROVED WORKING CONDITIONS BY TISSUE SELECTIVITY & COOL CUTTING**

With the contribution of Soering GmbH

Speakers:

Arya Nabavi (Germany)

Jan-Uwe Müller (Germany)

Tissue selectivity and the moderate working temperature of the ultrasonic bone instrument together improve working conditions in spinal procedures close to nerve root, veins and dura mater.

Introduction into the sophisticated technology and explanation of working principles.

Presentation of case reports of suitable indications & procedures from highly experienced user.

Bramante 11 01:00 pm - 02:30 pm **DIFFICULTIES AND COMPLICATIONS IN CRANIAL DECOMPRESSION AND RECONSTRUCTION**

With the contribution of DePuy Synthes GmbH

Chair: *David Adelson (USA)*

Part 1: Cranial Decompression

Do we know which patient may benefit from Cranial Decompression? Lessons learned from recent trials
Angelos Kolias (UK)

Can we avoid complications after decompressive craniectomies? *Randall M. Chestnut (USA)*

Bleeding avoidance & Dural repair during decompression *Roberto Gazzeri (Italy)*

Preventing the complication of decompression : surgical technique of cisternostomy - From beginner to master *Iype Cherian (Nepal)*

Part 2: Cranial Reconstruction

Cranial Reconstruction: can we prevent acute and late complications? *Stefano Signoretti (Italy)*

Timing for Cranial Reconstruction: The earlier the better? *András Büki (Hungary)*

Preventing and treating cerebrospinal fluid leaks *Jan Regelsberger (Germany)*

Dealing with complications of decompression and reconstruction in children *David Adelson (USA)*

Discussion



SPONSORED LUNCHEON SEMINARS SEPTEMBER 10

Bramante
14

01:15 pm - 02:15 pm

CYBERKNIFE, THE IDEAL TOOL FOR NEUROSURGERY

With the contribution of ACCURAY EUROPE

Chair: *Christophe Destrieux (France)*

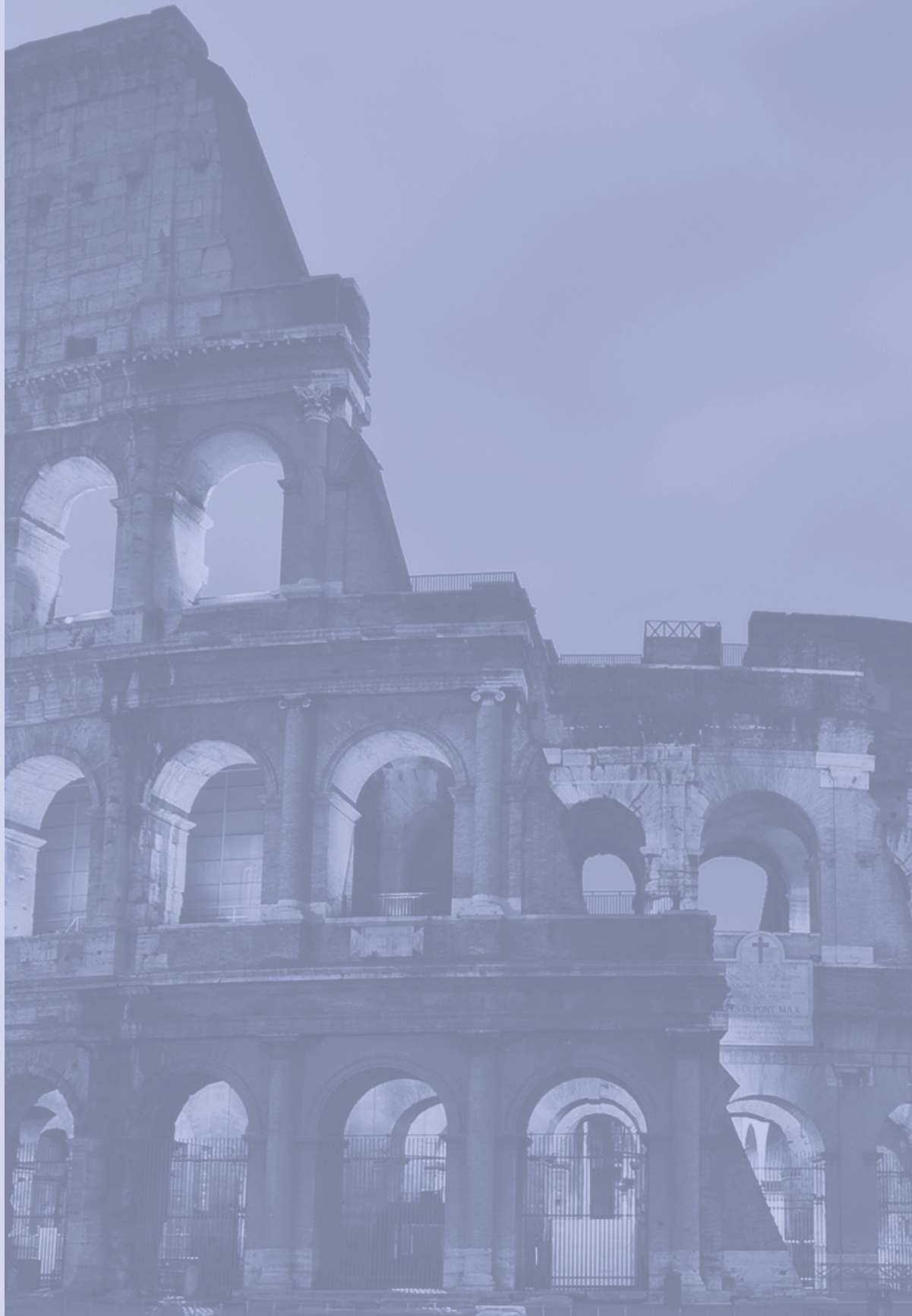
Cyberknife radiosurgery for functional brain disorders

Pantaleo Romanelli (Italy)

Cyberknife treatment of skull base tumors: expanding the opportunity of treatment

Alfredo Conti (Italy)

FRIDAY SEPTEMBER 11 LUNCHEON SEMINARS





LUNCHEON SEMINARS SEPTEMBER 11

**Tiziano
1**

**01:30 pm - 02:30 pm
CONTROVERSIES IN NEUROENDOSCOPY**

Chairs: tbd

Speakers:

Endoscopic biopsy *Piero Andrea Oppido (Italy)*

Intracranial cysts: endoscopic and endoscope assisted - *Umberto Godano (Italy)*

Normal pressure hydrocephalus: smart or worse? - *Michelangelo Gangemi (Italy)*

Colloid cysts: standard and new endoscopic approaches - *Andrea Brunori (Italy)*

**Tiziano
2**

**01:30 pm - 02:30 pm
MEET THE EDITORS SESSION
HOW TO PUBLISH A SUCCESSFUL NEUROSURGICAL PAPER**

Chairs: tbd

Speakers:

Journal of Neurosurgery - *James T. Rutka (Canada)*, Chief Editor

Neurosurgery - *Nelson M. Oyesiku (USA)*, Chief Editor

Acta Neurochirurgica - *Tiit Mathiesen (Sweden)*, Chief Editor

World Neurosurgery - *Edward Benzel (USA)*, Chief Editor

Neurosurgical Review - *Helmut Bertalanffy (Germany)*, Chief Editor

Child's nervous system - *Concezio di Rocco*, Chief Editor

**Tiziano
3**

**01:30 pm - 02:30 pm
RELATIONSHIP BETWEEN NEUROSCIENCE
AND MEDITERRANEAN DIET**

Chairs: tbd

Speakers:

A neuro-hedonistic approach to Mediterranean food & wines: much more than lowering cerebrovascular risk

Giuseppe Neri (Italy)

TBD

Renata Alleva (Italy)

**WEDNESDAY SEPTEMBER 9
MASTERS' VIDEO SESSION**

**FRIDAY SEPTEMBER 11
WFNS YOUNG
NEUROSURGEONS
AWARDEES SESSION**





MASTERS' VIDEO SESSION SEPTEMBER 9

Tiziano
1

02:30 pm - 04:00 pm

Masters' Video Session

Nobuo Hashimoto (Japan)

Robert Spetzler (USA)

Madji Samii (Germany)

Basant Misra (India)

Yong-Kwang Tu (Taiwan)

Osama Al Mefty (USA)



WFNS YOUNG NEUROSURGEONS AWARDEES SESSION SEPTEMBER 11

Tiziano
1

02:30 pm - 04:00 pm

The role of mixed reality simulation in neurosurgical education

Giselle Coelho (Brazil)

Stimulation of motor cortex in chronic neuropathic pain treatment. Analysis of electrical impedance of tissue and stimulating thresholds within neural interface with epidural electrodes

William Omar Contreras Lopez (Colombia)

Intraoperative middle cerebral artery pressure measurements during superficial temporal artery to middle cerebral artery bypass procedure in patients with cerebral atherosclerotic disease

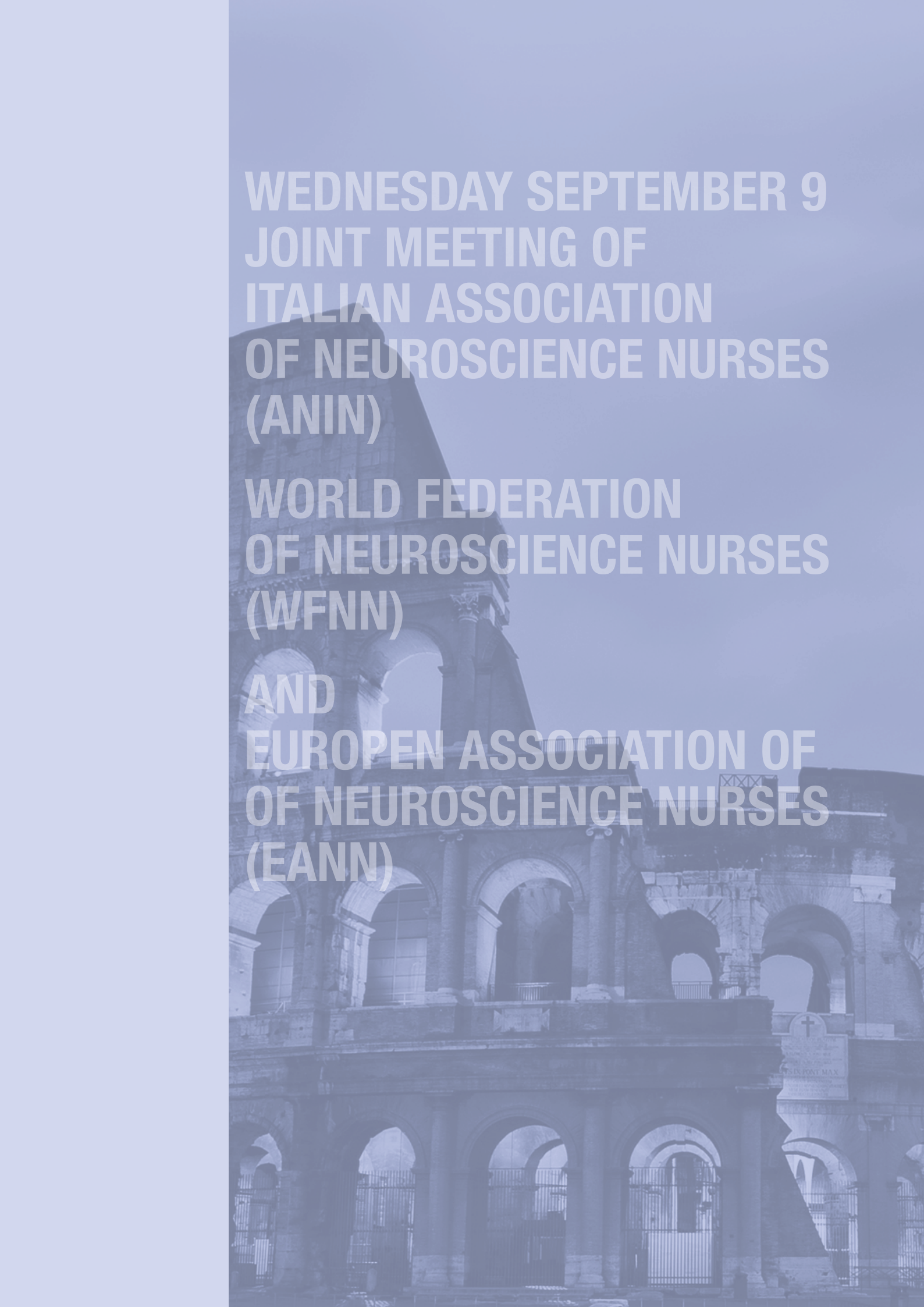
Fumihito Matano (Japan)

Serum biomarkers as predictor of long term outcome in severe traumatic brain injury: analysis from a randomised placebo controlled phase II clinical trial

Amol Raheja (India)

Connectivity of the subgenual cingulate region

Francesco Vergani (Italy)



**WEDNESDAY SEPTEMBER 9
JOINT MEETING OF
ITALIAN ASSOCIATION
OF NEUROSCIENCE NURSES
(ANIN)**

**WORLD FEDERATION
OF NEUROSCIENCE NURSES
(WFNN)**

**AND
EUROPEAN ASSOCIATION OF
OF NEUROSCIENCE NURSES
(EANN)**



40 Years of the National Association of Neuroscience Nurses

Executive Board National Association of Neuroscience Nurses

President *Cristina Razzini*

Vice President *Giusy Pipitone*

Treasurer *Giovanni Giacomini*

Secretary *Giuseppina Seppini*

National Board Members *Davide Caruzzo, Renzo Moreale, Simonetta Polanski*

Director of the NEU Journal *Francesco Casile*

Morning session 09.00 am - 01.00 pm

09:00 am Welcoming Addresses

Francesco Tomasello, Congress President of the 15th Interim Meeting of the World Federation of Neurosurgical Societies, Italy

Lia Pulimeno, President of the Nursing Board of Rome, Italy

Cristina Razzini, President of the Italian Association of Neuroscience Nurses, Italy

Christi DeLemos, President of the World Federation of Neuroscience Nurses (USA)

Neal Cook, President of the European Association of Neuroscience Nurses (UK)

Worldwide, European and Italian Strategies for the Implementation of Advancements in Neuroscience Nursing Competences

Moderators

Alvise Palese (Associate Professor in Nursing Science)

Lia Pulimeno (President of the Nursing Board, Rome)

09:30 am From novice to expert: the challenges of nursing education in the 21st century

Christi DeLemos, President of the World Federation of Neuroscience Nurses (USA)

10:00 am Developing Neuroscience Nursing: Challenges and Opportunities

Neal Cook, President of the European Association of Neuroscience Nurses (UK)

10:30 am Advancing nursing competences in Italy: barriers, facilitators and challenges

Barbara Mangiacavalli, President of the Italian National Board (Italy)

11:00 am Designing neuroscience nursing education advancement: the Turin University project

Paola Di Giulio, Associate Professor of Nursing, Turin University (Italy)

11:30 am Discussion

12:15 am Presentation of the 7th Neuroscience Nursing Congress and 2nd Regional Alpes - Danube - Adria Congress of Neuroscience

Lenka Kopaevi, President of Regional Alpes - Danube - Adria Nursing Neuroscience Association and President of Croatian Nursing Association in Neurology (Croatia)

12:30 am Lunch

Afternoon session 14.00 - 17.00

International clinical nursing experience aimed at improving the quality of care for patients suffering from brain neoplasm and their families

Moderators

Francesco Casile (Past President of the ANIN Association)

Giusy Pipitone (Vice-President of the ANIN Association)

02:00 pm Nursing Care of acute vascular closure device related lower limb arterial embolism after intervention therapy

Weilin Shi, Yufeng Jin, Registered Nurse Neurosurgery Unit - Huashan Hospital (China)

02:20 pm “Awake surgery”. A step towards the future, a look at the past

Stefano Capovilla, Registered Nurse Neurosurgery Unit - San Bortolo Hospital (Italy)

02:40 pm Keep your head fit with the Headfit

Jan Mattheussen, Head Nurse Neurosurgery Unit - GZA Hospitals (Belgium)

03:00 pm Nursing management of neurosurgical patients treated by multimodality-guided glioma resection

Piero Sturiale, Graziella Forestieri, Raffaele Saturno, Cucinotta Luisa, Cucinotta Tania, Head Nurse Neurosurgery Operating Room - G. Martino Hospital (Italy)

03:20 pm Postoperative care of patients with bulbar dysfunction after removing tumors of the posterior cranial fossa

Marina Orlitskaya, Gunenko G, Registered Nurse Federal Neurosurgical Center (Russian)

03:40 pm Anxiety, depression, stress and coping strategies in patients with brain neoplasm

Renzo Moreale, Valentina Olivo, Davide Caruzzo, Registered Nurse, MNS, Neurosurgery Unit - Santa Maria della Misericordia Teaching Hospital (Italy)

04:00 pm Exploring the Needs of Nurses Caring for Newly Diagnosed Glioblastoma Multiforme Patients

Keila Lopez, Honey Palalon, Registered Nurse, BScN, CNN (C), University Health Network - Western Hospital (Canada)

04:20 pm Home visits with brain glioma patients: how nurses and family members cooperate in glioma patient family self-care

Liwei Lang, Registered Nurse Associate Chief Nurse of HuaShan Hospital,

Zhiyue Yan, Registered Nurse - Head Nurse of Worldwide Medical Center - Huashan Hospital (China)

04:40 pm The relationship between the level of education and job perception in neuroscience nurses in Croatia

Lenka Kopaevi, Damir Luanin, Biserka Sedi, President of Regional Alpes - Danube - Adria Nursing Neuroscience Association and President of Croatian Nursing Association in Neurology (Croatia)

05:00 pm Home care project: for continuity care in patients with brain neoplasm

Angeloni Gabriella, Chief Nursing Officer of Regina Elena, Santa Maria and San Gallicano Hospitals (Italy)

05:20 pm Conclusions

Departing Speeches

Cristina Razzini (ANIN President) and *A. Palese* (Scientific Director of the Congress)



Rome, 10-11th September 2015

On the occasion of the
**15th Interim Meeting of the World Federation
of Neurosurgical Societies**

Italian Healthcare and MedTech Chain in the field of Neuroscience

Marriott Park Hotel Via Colonnello Tommaso Masala, 54 - Rome, Italy

- **B2B Meetings**, organised by Italian Trade Agency
 - **Innovation area**, with booths and desk points of players in the Italian supply chain
 - **Two thematic workshops**
 - » 10th September, 2.00 pm – 6.00 pm
Italian Excellences in Neuroscience: the network and the innovative technologies
 - » 11th September, 2.30 pm – 5.30 pm
Regenerative Medicine: Italian excellences for international cooperation
- 

visit the website of 15th Interim Meeting of the WFNS:
www.wfnsinterimrome2015.org

ORGANISED BY:



Ministero dello Sviluppo Economico



ITALIAN TRADE AGENCY
ICE - Agenzia per la promozione all'estero e
l'internazionalizzazione delle imprese italiane



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*Ministero degli Affari Esteri
e della Cooperazione Internazionale*



ASSOBIOMEDICA



Rome, 10-11th September 2015

Marriott Park Hotel Via Colonnello Tommaso Masala, 54 - Rome, Italy

15th Interim Meeting of the World Federation of Neurosurgical Societies

Italian Healthcare and MedTech Chain in the field of Neuroscience

ITALIAN EXCELLENCES IN NEUROSCIENCE: THE NETWORK AND THE INNOVATIVE TECHNOLOGIES

Tiziano
2

September 10, 2015

02:00 pm Welcome Addresses:

Francesco Tomasello, President of the 15th Interim Meeting of WFNS

Alberto Delitala, President of SINch

Luigi Boggio, President of Assobiomedica

Carlo Calenda, Deputy Minister for Economic Development (TBC)

Beatrice Lorenzin, Minister of Health (TBC)

Coordinators:

Giovanni Leonardi, Director General of Research and Innovation in Healthcare, Ministry of Health

Carlo Caltagirone, Scientific Director of IRCCS (Scientific Institute for Research, Hospitalization and Health Care) "Fondazione Santa Lucia", Rome

03:00 pm NEURO-REHABILITATION

Chair:

Placido Bramanti, Scientific Director of Brain Injuries Centre "Bonino-Pulejo", Messina

Scientific Presentations:

Innovative models for advanced neuro-rehabilitation with validation by MR3-T

Silvia Marino, Angelo Quartarone, Placido Bramanti, Brain Injuries Centre "Bonino-Pulejo", Messina

Effects of training with a wearable exoskeleton in patients with SCI

Filoni Serena, Fondazione Centri di Riabilitazione Padre Pio Onlus, San Giovanni Rotondo

New strategies for multidisciplinary care and technological management of Neuromuscular

Diseases: NEMO Clinical Center experience

Christian Lunetta, Centro Clinico Nemo

Innovative diagnostic neuroradiology, neuromotor and cognitive rehabilitation in severe acquired brain injuries

Marco Bozzali and Carlo Caltagirone, IRCCS "Fondazione Santa Lucia", Rome

Technological Innovations:

LiquidWeb, Thought-controlled assistive technology - Braincontrol

Brainer, Web-based cognitive rehabilitation platform

Fifth Ingenium, Therapeutic platform for autistic patients - FifthElement

Koala Care, Web and mobile platform to reduce caregiver stress burden

ICan Robotics, Neuro-rehabilitation robotic devices

MES, Phoenix: the exoskeleton for everyday life

Move 4 Health, Therapeutic platform for targeted neuro-rehabilitation

Neuroteam, Brain training by means of non-invasive neuro-modulation - NeuroGoggles

04:00 pm NEUROSURGERY SIMULATORS, DEVICES AND IMAGING

Chair:

Francesco Di Meco, Director of the Neurosurgery Department of IRCCS Carlo Besta, Milan

Scientific Presentations:

Advances in intra-operative imaging, virtual reality and simulation in neurosurgery

Francesco Di Meco, IRCCS Carlo Besta, Milan

Skull base neurosurgery

Diego Mazzatenta, IRCCS Institute of Neurological Sciences, Bologna

Neurosurgery for epilepsy

Vincenzo Esposito, IRCCS Neuromed, Pozzilli (IS)

From the cranial base endoscopic surgery to the technological and molecular innovations: a bridge between neurosurgery and primary research

Paolo Cappabianca, Director of the Neurosurgery School of "Federico II" University, Naples

Technological Innovations:

Camelot Biomedical Systems, Simulation of intra-operative ultrasound for neurosurgeon training

Francesco Pavone, European Laboratory for Non-linear Spectroscopy - LENS, Quick microscopy for the detection of electrical activity in excitable cells (innovation by Light4Tech)

Neuron Guard, Integrated cerebral protection system

NewroniKa, Transcranial electrical stimulator

Ntplast, Intracranial catheter locking device

Promev, Self-knotting NiTi suture wire in deep surgical field

W.I.S.E., Next-generation implantable electrodes for neuro-modulation and iEEG

Esaote, Esaote Ultrasound neurosurgery technologies

05:00 pm NEURO-ONCOLOGY: NEW IMAGING AND TECHNOLOGIES

Chair:

Vincenzo D'Angelo, University of Foggia-IRCCS "Casa Sollievo della Sofferenza", San Giovanni Rotondo (FG)

Scientific Presentations:

PET MRI in neurosurgical diagnosis

Emanuele Nicolai, IRCCS SDN, Naples

Customized treatment of cerebral gliomas: from bench to bedside

Francesco Tomasello and Antonino Germanò, University of Messina

The genetic diagnostics and research applied to neurosurgery at San Giovanni Rotondo

Leonardo D'Agruma and Vincenzo D'Angelo, IRCCS "Casa Sollievo della Sofferenza", San Giovanni Rotondo (FG)

Translational research at Humanitas Neurocenter: functionalized nanoparticles for glioblastoma targeting

Michela Matteoli, Humanitas Neurocenter and Humanitas University, Milan

Understanding the role of Cancer-Stem-Cell specific genes in glioblastoma multiforme

Filippo Gagliardi, IRCCS San Raffaele, Milan

Technological Innovations:

Manuele Casale, "Campus Bio-Medico di Roma" University, Rome, Navigation system in endoscopic rhino-sinus and skull base surgery (innovation by MASMEC Biomed)

Mectron, Bone surgery thanks to ultrasonic micro-vibrations – PIEZOSURGERY

Telea Electronic Engineering, Molecular resonance coagulator in neuro-oncology – Vesalius

06:00 pm Closing Remarks

Rome, 10-11th September 2015

Marriott Park Hotel Via Colonnello Tommaso Masala, 54 - Rome, Italy

15th Interim Meeting of the World Federation of Neurosurgical Societies

Italian Healthcare and MedTech Chain in the field of Neuroscience

REGENERATIVE MEDICINE: ITALIAN EXCELLENCES AND SCOPE FOR INTERNATIONAL COOPERATION

Tiziano
2

September 11, 2015

02:30 pm Welcome Addresses:

Francesco Tomasello, President of the 15th Interim Meeting of WFNS

Giuseppe Martini, President of the National Technological Cluster of Life Sciences – ALISEI

Nicoletta Amodio, Innovation and Education Area of Confindustria

Presentations:

Roberto Di Lauro, Science Attachè, The Italian Embassy in London

Nina Bauer, Business Development Executive, Cell Therapy Catapult, London

Pier Maria Fornasari, Scientific Coordinator, Italian Regenerative Medicine Infrastructure

Susanne Wolbank, Ludwig Boltzmann Institute for Experimental and Clinical Traumatology - Austrian Cluster for Tissue Regeneration

Roberta Buti, Holostem - Chiesi Farmaceutici

Marco Fadda, Regenerative Medicine Specialist, Comecer

Alberto Rainer, "Campus Bio-Medico di Roma" University, Rome, Additive manufacturing for tissue engineering applications

ITALIAN EXCELLENCES IN NEUROSCIENCE: THE NETWORK AND THE INNOVATIVE TECHNOLOGIES

Tiziano
2

September 11, 2015

04:30 pm TISSUE SUBSTITUTES AND REGENERATIVE MEDICINE

Chair:

Pietro Mortini, Director of the Neurosurgery School of "Vita-Salute" University San Raffaele, IRCCS (Scientific Institute for research, hospitalization and health care) San Raffaele, Milan

Vincenzo Denaro, "Campus Bio-Medico di Roma" University, Rome

Scientific Presentations:

Collagen scaffold in regeneration of the peripheral and central nervous systems

Pietro Mortini, IRCCS San Raffaele, Milan

Muscle derived pericytes for artificial skeletal muscle human-like size

Cesare Gargioli, Università di Tor Vergata, Rome

New approaches for stem cell mediated intervertebral disc regeneration

Vincenzo Denaro and Gianluca Vadalà, "Campus Bio-Medico di Roma" University, Rome

Technological Innovations:

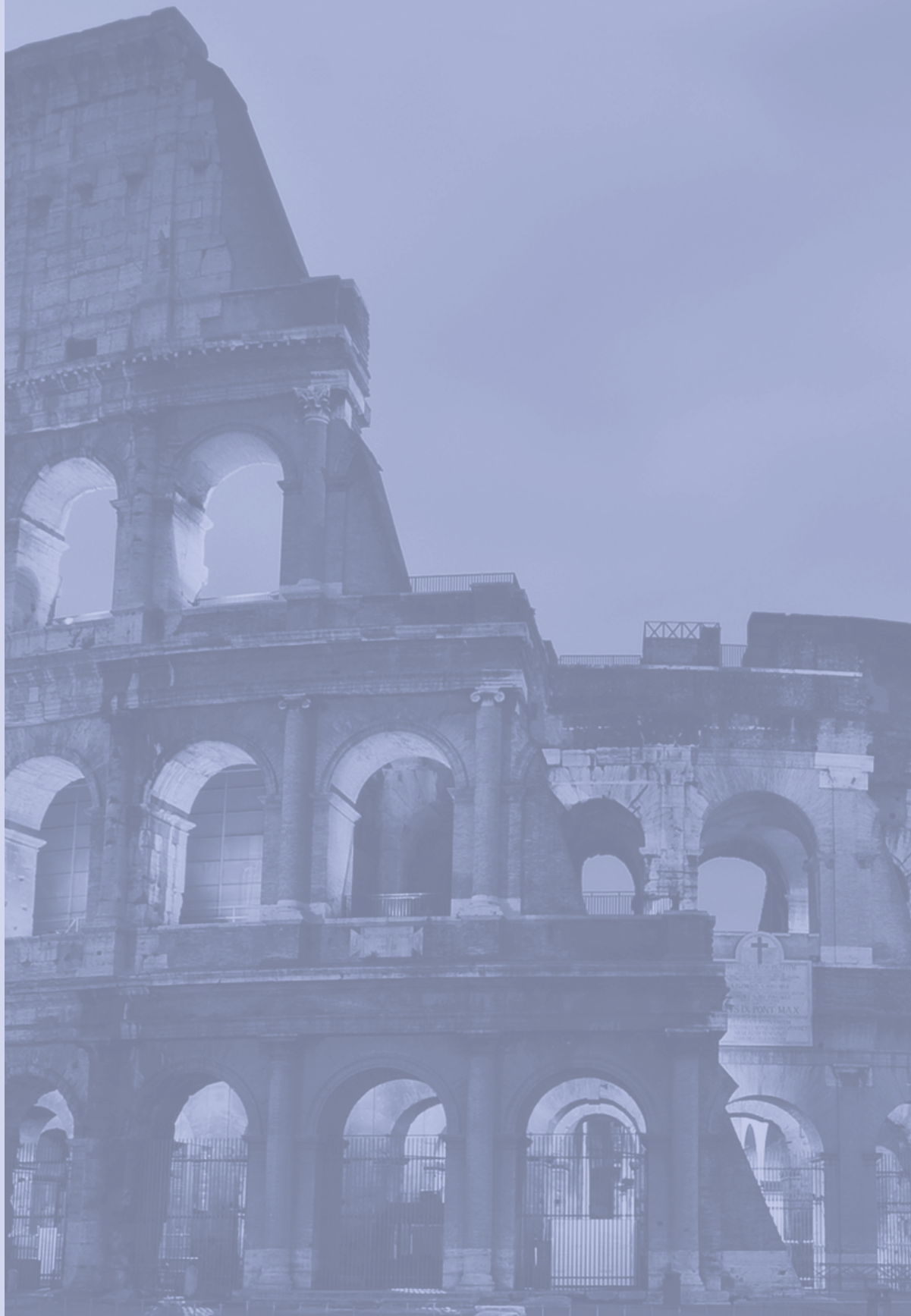
Finceramica, Biomimetic, patient specific implants for large cranial reconstructions

Maggi, Dural substitute and Bone tissue

MT Ortho, Trabecular titanium prosthesis created with electron beam melting technology (EBM)

05:30 pm Closing Remarks

ORAL PRESENTATIONS





ORAL PRESENTATIONS SEPTEMBER 9

BRAMANTE 3

2:30 PM 4:00 PM

OP NO 1

SKULL BASE AND CP ANGLE TUMORS

CHAIRMEN Luigi Antonio Lattanzi (Italy)
Piero Andrea Oppido (Italy)

KEY NOTE LECTURE

Minimally invasive surgery for anterior and middle skull base tumors: indications and limits

Jouanneau Emmanuel, Guarneri Catherine, Ene Bogdan, Jacquesson Timothée, Berhouma Moncef (France)

001 The transcanal transcochlear endoscopic approach to treat vestibular schwannomas

Alicandri-Ciufelli Matteo, Feletti Alberto, Pavesi Giacomo, Marchioni Daniele, Pinna Gianpietro, Presutti Livio (Italy)

002 Surgical treatment of tumors of the skull base, extending to craniovertebral junction

Andreev Dmitry, Shkarubo Alexey, Konovalov Nikolai, Zelenkov Petr, Alekseev Sergey, Voronina Irina (Russia)

003 Is the endoscopy the technique of choice in skull base chondrosarcoma surgery

Bernat Anne Laure, Bresson Damien, Watanabe Kentaro, Herman Philippe, Bouazza Sheherazade, Polivka Marc, Adle Biassette Homa, Guichard Jean Pierre, Feuvret Loic, Gayat Etienne, George Bernard, Froelich Sebastien (France)

004 Surgical removal of giant acoustic neuromas: an update

Cerejo António, Silva Joana, Duarte Filipe, Silveira Fernando, Vaz Rui (Portugal)

005 Modelized CP angle tumor pathology and "practicing patience" while performing fresh cadaver exercises

Csóky András (Hungary)

006 The lateral infratrigeminal trans-pontine window to deep pontine lesions

Ferrolli Paolo, Schiariti Marco, Cordella Roberto, Boffano Carlo, Nava Simone, La Corte Emanuele, Restelli Francesco, Cavallo Claudio, Monti Emanuele, Castiglione Melina, Broggi Morgan, Acerbi Francesco, Broggi Giovanni (Italy)

007 Trans ciliary minifrontal craniotomy for skull base and vascular lesions

VR Roopesh Kumar (India)

BRAMANTE 4

2:30 PM 4:00 PM

OP NO 2

SKULL BASE AND CP ANGLE TUMORS

CHAIRMEN Roberto Stefani (Italy)
Lorenzo Volpin (Italy)

KEY NOTE LECTURE

Reducing morbidity of cerebellopontine angle tumor surgery

d'Avella Domenico, Zanoletti Elisabetta, Denaro Luca, Gioffre' Giorgio, Martini Alessandro, Mazzoni Antonio (Italy)

008 Improving Functional Preservation in Acoustic Neuroma Surgery

Nakatomi Hirofumi (Japan)

009 The Effect of Microvascular Decompression For Facial Weakness In Patients With Hemifacial Spasms

Noro Shusaku, Seo Yoshinobu, Nakamura Hirohiko (Japan)

010 Vestibular schwannoma enlargement into porus acusticus internus. Ways to remove intraporus part of the tumor.

Palamar Orest, Huk Andriy, Okonskyi Dmytro, Aksyonov Ruslan (Ukraine)

011 Postoperative facial nerve function after removal of skull base meningiomas involving the Internal auditory canal

Ramina Ricardo, Coelho Neto Maurício, Moura da Silva Jr Luis Fernando (Brazil)

012 Combined anterolateral approaches to skull base.

Jorge Rasmussen, Ajler Pablo, Campero Álvaro, Rasmussen Jorge, Goldschmidt Ezequiel, Yampolsky Claudio (Argentina)

013 Procedural steps to remove tumors around petrous apex for prevention of serious complications in transpetrosal approach

Seo Yoshinobu, Hara Keiji, Noro Shusaku, Maeda Masana, Nakamura Hirohiko (Japan)

014 Extracranial Surgery (Transnasal And Transoral) Of Chordomas Of The Skull Base And The Craniovertebral Junction

Shkarubo Alexey, Andreev Dmitry, Sidorkin Dmitry, Konovalov Nikolai, Zelenkov Petr, Mitrofanova Ekaterina (Russia)

015 Jugular foramen schwannomas - longterm follow-up after radical microsurgical removal

Zverina Eduard, Chovanec Martin, Betka Jan, Haninec Pavel (Czech Republic)

BRAMANTE 5

2:30 PM 4:00 PM

OP NO 3

PITUITARY AND PARASELLAR

CHAIRMEN Ait Bachir Mustapha (Algeria)
Davide Locatelli (Italy)

KEY NOTE LECTURE

Endoscopic endonasal surgery for clival chordomas

Mazzatenta Diego, Zoli Matteo, Valluzzi Adelaide, Pasquini Ernesto, Frank Giorgio (Italy)

016 Dose Intraoperative MRI improve the outcome of Endoscopic Endonasal Transsphenoidal Removal for Pituitary Lesions

Orz Yasser, Al Yamany Mahmoud, AIMusrea KHalid, Lary Ahmed, Alfawaz Fahad, AlQahtany Khalid (Saudi Arabia)

017 Microsurgery of Craniopharyngioma: A Single Surgeon Experience with 109 patients

Misra Basant K, Kamath Mayur (India)

018 Changing Patterns of Care in the Surgical Management of Acromegaly.

Smith Timothy R., Iuliano Sherry, Cote David J., Laws Jr. Edward R. (USA)

019 Recurrent gain-of-function USP8 mutations in Cushing's disease

Zhao Yao, Shi Yong Yong, Huang Chuan Xin, Ma Zeng Yi, Song Zhi Jian, Chen Jian Hua (China)

ORAL PRESENTATIONS SEPTEMBER 9

020 Endoscopic transorbital surgery for the management of orbital and skull base lesions: current concepts and future evolutions.

Mario Turri-Zanoni, Locatelli Davide, Dallan Iacopo, Battaglia Paolo, Sellari Franceschini Stefano, Castelnovo Paolo (Italy)

021 The Endoscopic Endonasal Approach for Orbital and Orbital Apex Lesions: A Series of 77 Patients

Paul A. Gardner, Zwagerman Nathan T., Stefko S. Tonya, Wang Eric W., Fernandez-Miranda Juan C., Snyderman Carl H.

022 Quantitative analysis of progressive removal of nasal structures during endoscopic endonasal suprasellar approach

Alberto Di Somma, de Notaris Matteo, Solari Domenico, Cavallo Luigi Maria, Villa Alessandro, Caggiano Chiara, Prats-Galino Alberto, Cappabianca Paolo (Italy)

023 Pituitary surgery in patients with Cushing's disease

Mustapha Ait Bachir, Zakaria Mansouri, A Halim Morsli, souhil Tilba, Tahar Benbouzid (Algeria)

BRAMANTE 6+7

2:30 PM 4:00 PM

OP NV 1

TBD

CHAIRMEN Giuseppe Corriero (Italy)
Diego Garbossa (Italy)

KEY NOTE LECTURE

Elective and urgent Intracranial - intracranial Bypass for the treatment of complex aneurysms, tumors and cerebral ischemia
Gonzalez Nicolas, Mura Jorge, Contreras Luis, Rubino Pablo, Julio Rodrigo (Cile)

024 Morphology of ruptured cerebral aneurysms

Abboud Tamam, Czorlich Patrick, Bester Maxim, Schmidt Nils Ole, Westphal Manfred, Regelsberger Jan (Germany)

025 Surgical exclusion of intracranial unruptured or embolized aneurysms: Multimodal clinical and radiological evaluation of a monocentric series

Bernat Anne Laure, Stavridi kleio, Labeyrie Marc Antoine, Guillonnet Antoine, Saint Maurice Jean Pierre, Houdart Emmanuel, Froelich Sébastien, Bresson Damien (France)

026 Transciliary Supraorbital Keyhole Approach For Aneurysms Of Middle Cerebral Artery

Bhatie Harjinder Singh (India)

027 Management Of Multiple Intracranial Aneurysms In Patients With Subarachnoid Hemorrhage : Institutional Experience Over A 30 Years Period

Boutarouch Mahjoub, Louraoui Sidi Mamoun, Mounadi Mohamed, El Khamlihi Abdeslam, El Ouahabi Abdessamad (Morocco)

028 What we have learn. Ten year experience in the management of Subarachnoid Hemorrhage. Santo Tomás Hospital. Panamá

De León Alvino, De Mola Juan Carlos, Villareal Juan (Panama)

029 Neurosurgical Simulator for Patient-Specific Cerebral Aneurysm Clipping with Haptic Feedback

Dirnberger Johannes, Fenz Wolfgang, Gmeiner Matthias, Lehner Michael, Olschowski Alfred, Trenkler Johannes (Austria)

030 Cerebral blood flow after acute bypass with parent artery occlusion in patients with unclippable ruptured internal carotid artery aneurysms

Endo Hidenori (Japan)

BRAMANTE 8+9

2:30 PM 4:00 PM

OP NV 2

TBD

CHAIRMEN Martin Smrcka (Czech Republic)
Jianping Song (China)

KEY NOTE LECTURE

Quantitative Comparison of Surgical Corridors to Lesions of the Vertebrobasilar Region: An Anatomico-Surgical Study

Evins Alexander Ian, Costagliola Catello, Stieg Philip E, Bernardo Antonio (USA)

031 Impacts of anatomical variations of galenic venous system on the surgical management for pineal region lesions

Feng Dongxia, Day John Diaz (USA)

032 The role of early inflammatory response in patients with subarachnoid hemorrhage

Smrcka Martin, Duris Kamil, Neuman Eduard, Juran Vilem, Gottwaldova Jana, Dastych Milan, Vasku Anna (Czech Republic)

033 Correlating Cerebral 18FDG PET-CT Patterns with Histological Analysis during Early Brain Injury in a Rat Subarachnoid Hemorrhage Model

Song Jianping, Li Peiliang, Chaudhary Neeraj, Gemmete Joseph J., Thompson B. Gregory, Xi Guohua, Pandey Aditya S. (China)

034 Differential expression levels of Collagen 1A2, Tissue inhibitor of metalloproteinase 4 and Cathepsin B in intracranial aneurysms and their clinicoradiological correlation

Srinivas Dwarakanath, Babu R Arun, Purushottam Meera, Jain Sanjeev, Somanna Sampath (India)

035 Presurgical planning of feeder obliteration with realistic three-dimensional virtual operation field in patients with cerebral AVMs and AVFs

Nakatomi Hirofumi (Japan)

036 The induction of G-CSF in CSF following Subarachnoid Hemorrhage delivers a key message to vasospasm

Wada Hiromi, Ishii Norihiro, Sekihara Yoshinobu, Sato Michiyoshi, Maeda Kazufumi, Kanematsu Ryu, Wada Youichiro, Ota Shinzo, Matsuno Akira (Japan)

037 Surgical management of spinal cord cavernous malformations: a single-institution analysis

Veeravagu Anand, Azad Tej, Iyer Aditya, Li Amy, Steinberg Gary K. (USA)

BRAMANTE 10

2:30 PM 4:00 PM

OP PE 1

PEDIATRIC SPINE AND CHIARI MALFORMATION

CHAIRMEN Sandip Chatterje (India)
Renée Kennedy (Canada)

KEY NOTE LECTURE

TBD

tbd



ORAL PRESENTATIONS SEPTEMBER 9

038 Paediatric intramedullary tumours—experience of 90 cases
Chatterjee Sandip (India)

039 Dermoid cyst/ Dermal sinus tract in children
Dang Do Thanh Can (Vietnam)

040 Value of surgery in secondary tethered cord syndrome
Experience with 20 patients
Omar El Falaky, Ayoub Basim (Egypt)

041 Intraoperative monitoring of motor-evoked potentials in children younger than 6 months undergoing tethered cord surgery
Fang Yuan, Jv Yan (China)

042 Is clinical examination and MRI study enough for the assessment of tethered cord syndrome in scoliosis?
Karimi Yarandi Kourosh, Amirjamshidi Abbas (Iran)

043 Foramen magnum decompression of chiari malformation type I using tubular microsurgery techniques
Kennedy Renée, Alsunbul Waleed, Yarascavitch Blake, Reddy Kesava (Canada)

044 Dural splitting decompression (DSD) versus posterior fossa decompression with duraplasty (PFDD) for Chiari malformation type I in adult patients: study protocol for a randomized controlled trial
Liu Jiagang, Huang Siqing (China)

045 Endoscopic third ventriculostomy and posterior fossa volume in Chiari type I deformity and hydrocephalus
Massimi Luca, Frassanito Paolo, Bianchi Federico, Tamburrini Gianpiero, Di Rocco Concezio, Caldarelli Massimo (Italy)

046 Chiari I Malformation with and without Basilar Invagination
Jorg Klekamp (Germany)

BRAMANTE 11
2:30 PM 4:00 PM

OP SP 1

TBD

CHAIRMEN *Mauro Dobran (Italy)*
Romano Greco (Italy)

KEY NOTE LECTURE

Should we do routine biopsy during kyphoplasty and vertebroplasty? Retrospective Review of 461 Patients
Kizmazoglu Ceren, Sevin Ismail Ertan, Güvenç Gönül, Uzunoglu Inan, Sucu Hasan Kamil, Yüceer Nurullah (Turkey)

047 Posterior minimally invasive surgery for patients with thoracolumbar fractures. Our experience.
Francesco di Biase, Colella Andrea, Di Biase Francesco, Annecchiario Henry, Di Nicola Fiorangelo, Godano Umberto (Italy)

048 3-years follow-up results of microendoscopic discectomy (MED): A prospective study in 150 patients
Elwany Amr (Egypt)

049 Short fixation without fusion in 13 unstable thoraco-lumbar fractures with canal invasion ranging from 40% to 86%. Clinical and radiological long-term follow-up.
Forcato Stefano, Cimatti Marco, Trungu Sokol, De Martino Luca, Polli Filippo Maria, Frati Alessandro, Miscusi Massimo, Raco Antonino (Italy)

050 Kyphoplasty: An Alternative For Post-Traumatic Spine Fracture

Francaviglia Natale, Odierna Contino Antonino, Meli Francesco, Fiorenza Vito, Impallaria Pietro, Fimognari Anna, Ascanio Francesco, Lo Duca Benedetto, Costantino Gabriele, Lentini Giuseppe (Italy)

051 Endoscopic Endonasal Resection of the Odontoid Process - Clinical Outcomes in 34 Patients

Paul A. Gardner, Zwagerman Nathan T., Tormenti Matthew J., Tempel Zachary J., Henry Stephanie L., Snyderman Carl H., Fernandez-Miranda Juan C., Gardner Paul A. (USA)

052 Minimally invasive cervical foraminotomy and discectomy for laterally located soft disc herniation.

Kim Chi Heon, Kim Kyung-Tae, Chung Chun Kee, Kim Sung Mi (South Korea)

053 Full-Endoscopic decompression of lateral recess stenosis technique and results

Oertel Joachim, Burkhardt Benedikt (Germany)

BRAMANTE 12
2:30 PM 4:00 PM

OP SP 2

SPINE NEURO-ONCOLOGY

CHAIRMEN *Jiagang Liu (China)*
Jorg Klekamp (Germany)

KEY NOTE LECTURE

Unilateral hemilaminectomy for the removal of intraspinal extramedullary tumors (982 cases report)
Liu Jiagang, Huang Siqing, Chen Haifeng (China)

054 Surgical outcome in patients with tumour and tumour-like lesions of the spine canal: Review of a single institution experience

Liew Boon Seng, Jaweed Mohammad, Rosman Azmin Kass, Adnan Johari Siregar (Malaysia)

055 Surgical Treatment of Metastatic Spinal Tumor - 10 years experience

Marques Luis Miguel Sousa, Campos Mário Vale, Correia Joaquim Pedro, d' Almeida Gonçalo Neto, Cabral José (Portugal)

056 Factors Affecting Neurological Outcome In Patients With Intramedullary Spinal Cord Tumors

Montano Nicola, Papacci Fabio, Peppucci Elisabetta, Cioni Beatrice, Meglio Mario, Fernandez Eduardo (Italy)

057 Corpectomy in the thoraco-lumbar region via extreme lateral trans-psoas approach using X-Core expandable cage
Early Experience

Neroni Massimiliano, Faiola Andrea, Gazzeri Roberto (Italy)

058 Survival analysis in patients with metastatic spinal disease: The influence of surgery, histology, clinical and neurologic status
Oliveira Matheus, Rotta José, Botelho Ricardo (Brazil)

059 Intradural extramedullary spinal tumors: Surgical experience in 32 cases

Salama Mohamed Mamdouh, El-Tayeb Mohamed Amr (Egypt)

060 Surgical Morbidity and Long-Term Results for Intramedullary Tumors

Jorg Klekamp (Germany)

ORAL PRESENTATIONS SEPTEMBER 9

BRAMANTE 15

2:30 PM 4:00 PM

OP NT 1

TBD

CHAIRMEN *Ettore Fiumara (Italy)*
Luis Miguel Sousa Marques (Portugal)

KEY NOTE LECTURE

Monitoring intraspinal pressure and spinal cord perfusion pressure in acute spinal cord injury
Papadopoulos Marios (UK)

061 Type II odontoid fracture. Surgical strategy in a 15-case series

Fiumara Ettore, Tumbiolo Silvana, Porcaro Simona, Lombardo Maria Cristina, Arcadi Stefano, Savatteri Paolino, Gioia Francesco (Italy)

062 Spinal Epidural Hematomas: Personal Experience And Literature Review On One-Thousand Cases

Cristina Mancarella, Domenicucci Maurizio, Mancarella Cristina, Santoro Giorgio, Dugoni Demo Eugenio, Ramieri Alessandro, Missori Paolo (Italy)

063 Sternum fracture associated with increased instability of upper thoracic spine fracture – new key modifier for AOSpine TLICS classification?

Marques Luis Miguel Sousa, Casimiro Miguel Vasconcelos, d' Almeida Gonçalo Neto, Cabral José (Portugal)

064 A Prospective Monocentric Randomized Pilot Study To Compare The Safety And Effectiveness Of Two Vertebral Compression Fracture Reduction Techniques: 1- Year Results

Noriega David Cesar, Ardura Francisco, Hernandez Ramajo Ruben (Spain)

065 Myoarchitectonic Advancement Of C2 Spinous Process for C1 - C2 Posterior Fusion -- A Novel Technique

Sinha Ajit Kumar, Goyal Sumit (India)

066 Short versus long-segment posterior fixation in the treatment of thoracolumbar junction fractures: a comparison of clinical and radiological outcomes

Waqar Mueez, Van-popta Dmitri, Barone Damiano G, Bhojak Maneesh, Pillay Robin, Sarsam Zaid (UK)

067 Management of Cervical Facet Dislocation with Traumatic Disc Herniation: Surgical Experience of 12 cases

Zaater Ahmed, Refaat Mohamed (Egypt)

BRAMANTE 3

4:30 PM 6:00 PM

OP NO 4

SKULL BASE AND CP ANGLE TUMORS

CHAIRMEN *Paul A. Gardner (USA)*
Maurizio Iacoangeli (Italy)

KEY NOTE LECTURE

Preservation of the facial function and quality of resection in surgery of vestibular schwannomas stage III and IV by Koos via retrosigmoid transmeatal approach

Iotfi Boublata, Toufik Selamne, Nafa Ioualalen (Algeria)

068 Identification of novel germline and tumor variants in clival chordomas by exome sequencing

Paul A. Gardner, Zenonos Georgios, Howard Peter G., Lyons-Weiler Maureen A., Wang Eric W., LaFramboise William A. (USA)

069 Surgery for large acoustic neuromas - how to obtain excellent surgical results?

Kohno Michihiro, Nakajima Nobuyuki, Izawa Hitoshi, Akimoto Jiro, Sora Shigeo (Japan)

070 Surgical management and functional outcomes of 133 cases of jugular foramen schwannomas

Li Da, Tang Jie, Zhang Jun-Ting (China)

071 Surgical management of solid medulla oblongata hemangioblastomas in one institution: analysis of 59 cases

Liu xuesong, Zhang yuekang, You Chao, Hui Xuhui (China)

072 Retrosigmoid 'inverted Kawase approach': which limits for petroclival meningiomas

Marruzzo Daniele, Delitala Alberto, Russo Natale, Menniti Agazio, Brunori Andrea (Italy)

073 Evaluation of the course of facial nerve in acoustic neuromas. A retrospective study on 70 cases with reference to size and results.

Mastronardi Luciano, Cacciotti Guglielmo, Caputi Franco, Parziale Giuseppe, Roberto Raffaelino, Tonelli Maria Pia, Carpineta Ettore, Di Scipio Ettore (Italy)

074 Neuroendoscopic treatment for sSkull base chordoma: the surgical strategy and outcome

Zhang Yazhuo, Zhao Peng, Zong Xuyi, Gui Songbai, Li Chuzhong, Bai Jiwei, Wang Xinsheng (China)

075 The endoscopic endonasal optic nerve decompression: surgical technique and functional results in a series of 15 patients

Moncef Berhouma, Timothée Jacquesson, Tania Idriceanu, Lucie Abouaf, Alain Vighetto, Pierre Aurélien Beuriat, Emmanuel Jouanneau (France)

BRAMANTE 4

4:30 PM 6:00 PM

OP NO 5

PITUITARY AND PARASELLAR

CHAIRMEN *Luca Denaro (Italy)*
Gianluigi Zona (Italy)

KEY NOTE LECTURE

Endoscopic endonasal transsphenoidal approach for pituitary adenomas invading the cavernous sinus: Our Experience with 186 Cases

Ceylan Savas, Cabuk Burak, Anik Ihsan (Turkey)

076 Scotland national audit of pituitary tumours surgery - January 2011-June 2012

Anichini Giulio, Stratham Patrick, Dunn Laurence, Eljamel Sam, Kamel Mahmoud (UK)

077 Direct suture technique of normal gland edge on the incised dural margin to repair intraoperative CSF leakage from arachnoid recess during transsphenoidal pituitary tumor surgery

Kim Sun Ho, Kim Eui Hyun (South Korea)



ORAL PRESENTATIONS SEPTEMBER 9

078 Endoscopic versus microscopic transsphenoidal surgery : a single center retrospective study

Ceren Kizmazoglu, Guven Gonul, Pinar Ercan, Imre Abdulkadir, Kaya Ismail, Bezircioglu Hamdi, Yüceer Nurullah (Turkey)

079 Keyhole surgery through supraciliary incision: Our experience

Limbu Chandra Prakash, Acharya Dr. Samir, Shrestha Dr. Resha, Dhakal Dr. Sudan, Rajbhandari Dr. Pravesh, Shrestha Dr. Pranaya, Pant Basant (Nepal)

080 Pituicytomas, a rare benign tumor of the neurohypophysis: seven cases and literature review

Lu Lei, Shao Hui-jie, Chen Jun-rui, Yang Liu-song, Xu Hong-zhi, Qin Zhi-yong, Zhong Ping, Wang Yong-fei (China)

081 Pituitary adenomas in the elderly

Lynda Atroune (Algeria)

082 Expression of Ki-67 in predicting progression of postoperative residual pituitary adenomas, and clinical features of atypical adenomas

Matsuyama Junko, Nishimura Shinjitsu, Kubota Keiichi, Okuyama Sumito, Matsushima Tadao (Japan)

083 Surgical anatomy of the sphenoid sinus and sellar floor in a Kenyan population

Mwachaka Philip, Kitunguu Peter, Kiboi Julius, Ogeng'o Julius (Kenya)

084 Palliative neuroendoscopic treatment of third ventricle cystic craniopharyngiomas

Oppido Piero Andrea (Italy)

BRAMANTE 5

4:30 PM 6:00 PM

OP NO 6

MIDLINE INTRACRANIAL TUMOR

CHAIRMEN Roberto Gazeri (Italy)

Andrea Talacchi (Italy)

KEY NOTE LECTURE

Microsurgery of Anterior 3rd Ventricular Lesions: An Experience with 216 Patients

Kamath Mayur, Misra Basant Kumar (India)

085 Characteristics features of visual disturbances in patients with craniopharyngiomas

Matmusayev Maruf (Uzbekistan)

086 3D endoscope-assisted transtubular approaches to the pineal region

Alexander IanEvins, Bernardo Antonio, Stieg Philip E (USA)

087 Intraoperative neurophysiologic changes observed with the lateral interhemispheric surgical approach to midline lesions

Lee Leslie, Choudhri Omar, Chang Steven, López Jaime (USA)

088 Neurosurgical management of brainstem hemangioblastomas: An institution experience with 116 patients

Ma Dexuan, Zhou liangfu (China)

089 The clinical features and treatment choice of giant posterior fossa cystic craniopharyngiomas

Xin YU (China)

090 Surgery of brainstem lesions and simulation with 3D-fusion images

Saito Nobuhito, Nakatomi Hirofumi, Kin Taichi, Nakagawa Daichi, Nomura Seiji (Japan)

091 How to prevent hypothalamic injury in management of craniopharyngioma

AlShail Essam (Saudi Arabia)

092 Neuroendoscopic intervention for deep midline brain tumors complicated with secondary occlusive hydrocephalus

Ulugbek Asadullaev, Mamadaliev Dilshod (Uzbekistan)

093 ENOORA project: the neurosurgical perspective in clinical trials for malignant brain tumors, from the origin to date

Andrea Talacchi (Italy)

BRAMANTE 6+7

4:30 PM 6:00 PM

OP NV 3

TBD

CHAIRMEN Yoko Kato (Japan)

Akio Morita (Japan)

KEY NOTE LECTURE

Endoscopic fluorescein video angiography in aneurysm surgery: innovative method for assessment of vascular flow in the dead angles

Kinouchi Hiroyuki, Yoshioka Hideyuki, Ogiwara Masakazu, Yagi Takashi, Hashimoto Koji, Wakai Takuma, Fukumoto (Japan)

094 Aneurysms of vertebro-basilar Junction: a single center experience and meta-analysis of endovascular treatments

Graziano Francesca, Ganaou Mario, Iacopino Domenico Gerardo, Boccardi Edoardo (Italy)

095 The long-term functional outcome of hemispherectomy for malignant stroke of the middle

Li Yuping (China)

096 The treatment outcome of unruptured cerebral aneurysms: The experience in 340 cases and the excellent outcome.

Kato Yoko, Sakarunchai Ittichai, Yamada Yasuhiro, Tateyama Shinichiro, Yoshida Koichiro, Kawase Tsukasa, Sadato Akiyo, Inamasu Joji (Japan)

097 Ruptured intracranial aneurysm after the age of seventy: Mortality, mid-term functional outcome and survival in the long-term (at least ten years)

Lindegard Karl-Fredrik, Bakke Søren Jacob, Sorteberg Wilhelm (Norway)

098 Prediction Model for Three-Year Rupture Risk of Unruptured Cerebral Aneurysms created from a Japanese Cohort

Morita Akio, Tominari Shinjiro, Ucas Japan Investigators Na (Japan)

099 Pituitary hormone level changes and hyponatremia in aneurysmal subarachnoid hemorrhage

Aisha Maimaitili, Mijiti Maimaitili, Aikeremu Rexidan, Junyi Lu, Kuerban Ajimu, Xiaojiang Cheng, Kun Luo, Duishanbai Sailike, Yuan Liu, Kadeer Kaheerman, Changjiu Tang And Tingrong Zhang (China)

BRAMANTE 8+9

4:30 PM 6:00 PM

OP FU 1

SURGERY FOR CHRONIC PAIN AND SPASTICITY

CHAIRMEN Deepak Agrawal (India)
Luciano Mastronardi (Italy)

KEY NOTE LECTURE

Delayed Relief of Hemifacial Spasm after Microvascular Decompression: Could it be avoided?

Jun Zhong, Shi-Ting Li (China)

100 Selective dorsal rhizotomy in children: what's the current state of play

Pettorini Benedetta, Kumar Ram, Sneade Chris, Tedman Brian, Bass Alf, Zebian Bassel (UK)

101 Selective dorsal rhizotomy in children with spastic cerebral palsy: our institutional series

Ruggiero Claudio, Mirone Giuseppe, Spennato Pietro, Giuliana Di Martino, Graziano Stefania, Cinalli Giuseppe (Italy)

102 Trigeminal Neuralgia Endoscopic Microvascular Decompression - A Procedure of Choice

Tariq Salahuddin (Pakistan)

103 Microscissor DREZotomy - A new innovation in microDREZotomy for spasticity and neuropathic pain

Agrawal Deepak (India)

104 Spasmodic Torticollis And Pain: Pre And Post-Operative Evaluation

Caputi Franco, Carpineta Ettore, Cacciotti Guglielmo, Tonelli Maria Pia, Roberto Raffaele, Mastronardi Luciano, Tancredi Angelo (Italy)

105 Percutaneous Radiofrequency Treatment for chronic Spinal Pain

Eissa Ehab Mohamed Eissa M.D, Abdelbar Ahmed Abdelbar M.D, Hashem Sherif Hashem M.D (Egypt)

106 Trigeminal neuralgia due to compression of trigeminocerebellar artery: Report of 6 cases

Ichimasu Norio, Takusagawa Yutaka, Nakajima Nobuyuki, Hoshino Takayoshi, Matsushima Ken, Saida Akihiko, Kohno Michihiro (Japan)

107 Micro-Vascular Decompression (MVD) as etiological treatment of typical Trigeminal Neuralgia (TN): results in a consecutive series of 67 cases operated on in a single center

Mastronardi Luciano, Cacciotti Guglielmo, Roberto Raffaelino, Caputi Franco, Tonelli Maria Pia, Carpineta Ettore (Italy)

BRAMANTE 10

4:30 PM 6:00 PM

OP FU 2

NEUROMODULATION AND DBS

CHAIRMEN Angelo Lavano (Italy)
Zeiad Fayed (Egypt)

KEY NOTE LECTURE

Does lesioning surgery have a role in the management of multietiological tremor in the era of Deep Brain Stimulation?

Srinivas Dwarakanath, Yadav Ravi, Pal Pramod, Somanna Sampath (India)

108 Deep brain stimulation in the nucleus ventralis oralis anterior for post anoxic dystonia, case report and review of the literature

Mansour Maher (United Arab Emirates)

109 Treating medically intractable chronic cluster headache with high frequency deep brain stimulation: montreal neurological hospital experience

AlSubaie Fahd, Sadikot Abbas, Aube Micheal (tbd)

110 Modulating subcortical evoked activity enhances peak motor performance in Parkinson's disease: a future strategy for adaptive deep brain stimulation?

Anzak Anam, Tan Huiling, Pogosyan Alek, Khan Sadaquate, Javed Shazia, Gill Steven, Ashkan Keyoumars, Akram Harith, Foltynie Thomas, Limousin Patricia, Zrinzo Ludvic, Green Alex, Aziz Tipu, Brown Peter (UK)

111 Combined unilateral posteroventral pallidotomy and VIM thalamotomy in tremor dominant Parkinson's disease versus Posteroventral pallidotomy alone, a comparative study

Fayed Zeiad (Egypt)

112 Behaviour disorders treated with Deep brain stimulation (DBS)

Lavano Angelo, Franzini Angelo, De Rose Marisa, Messina Giuseppe, Gambini Orsola, Veraldi Francesco, Lavano Francesco (Italy)

113 High-Frequency versus 80Hz spinal cord stimulation for the treatment of Chronic neuropathic Pain Patients: personal experience.

Tufo Tommaso, Conforti Giulio, Mannino Stefano, Cioni Beatrice (Italy)

114 Why is transposition in microvascular decompression for hemifacial spasm necessary?

Choi Yu Seok (South Korea)

115 Experience of the functional unit of neurosurgery departemen of rabat in the surgical treatment of movements disorders

Elmehdi Hakkou, Melhaoui Adyl, Arkha Yasser, Regragui Wafae, Jiddane Mohamed, Elkhmalichi Abesslam, Elouahabi Abdessamad (Morocco)

116 Neurosurgical treatment of movement disorders: experience of CIREN (Centro internacional de restauracion Neurologica)

Quintanal (Cuba)

BRAMANTE 11

4:30 PM 6:00 PM

OP SP 3

SPINE NEURO-ONCOLOGY

CHAIRMEN Giuseppe Barbagallo (Italy)
Massimiliano Neroni (Italy)

KEY NOTE LECTURE

A proposed difficulty grading system for craniocervical lesions

El Fiki Ahmed (Egypt)

117 Management of complications in surgery for spinal intradural tumors

Alkhani Ahmed (Saudi Arabia)

118 Suboccipital craniectomy with opening of the fourth ventricle and duraplasty: study of 192 cases of craniovertebral malformations

Junior Adailton, de Oliveira Evandro, Guimaraes Jaquisson, Reghin Mateus, Arruda Monica, Duarte Samuel, Almeida Joao, Chaddad Feres, Vieira Luiz (Brazil)



ORAL PRESENTATIONS SEPTEMBER 9

119 C1 lateral mass and C2 pedicle-screw fixation: video-description of a simple technique with preservation of C2 ganglion and perivertebral venous plexus.

Francesco Certo, Barbagallo Giuseppe (Italy)

120 Intramedullary Tumors: state of art

Bistazzoni Simona, Innocenzi Gualtiero, Ricciardi Francesco, Caradrelli Giovanni, D'Ercole Manuela (Italy)

121 Intradural Extramedullary Tumors: retrospective analysis of 107 cases over 10 years

Donnarumma Pasquale, Tarantino Roberto, Nigro Lorenzo, Rullo Marika, Santoro Antonio, Delfini Roberto (Italy)

122 Pure epidural spinal cavernous haemangioma: a surgical case series of six

Esene Ignatius, Nosseir Mohamed, Ashour Ahmed, Marvin Eric, Fayed Zeiad, Saoud Khaled, ElBahy Khaled (Egypt)

123 Unilateral hemilaminectomy for removal of spinal meningiomas: a minimal invasive and safe technique

Franaviglia Natale, Meli Francesco, Odierna Contino Antonino, Fiorenza Vito, Impallaria Pietro, Ascanio Francesco, Lo Duca Benedetto, Costantino Gabriele, Lentini Giuseppe, Fimognari Anna (Italy)

124 Management of giant spinal nerve sheath tumours. Surgical challenges. Multidisciplinary approach

Ivanov Marcel, Chiverton Neil, Rao Jagan (UK)

BRAMANTE 12

4:30 PM 6:00 PM

OP NT 2

SPINAL TRAUMA

CHAIRMEN Amin Alkamaly (Yemen)
Noor Ul Ain Iqbal (Pakistan)

KEY NOTE LECTURE

Damage Control Surger as it applies to Spine
Bolles Gene (USA)

125 Delayed and neglected presentation of cervical spine injuries: surgical results of 18 cases

Karekezi Claire (Ruanda)

126 Evolution in management of combined Atlas - Hangman's fractures with intra operative O-arm based navigation system

Singh Pankaj (India)

127 Spinal Gun Shoot injuries

Alkamaly Amin (Yemen)

128 Surgical outcome following delayed short segment posterior fixation of unstable thoracolumbar junction injury

Dewan Shamsul Asifasif (Bangladesh)

129 Comparison of Effectivities of Clopidogrel and Methylprednisolon Following Experimental Spinal Cord Injury

Hasan Emreaydin, Dinc Oguzhan, Aydin Hasan Emre, Kaygisiz Bilgin, Vural Murat (Turkey)

130 Minimally Invasive Anterior Screw Fixation for Odontoid Peg fractures; how common is post-operative instability?

Halliday Jane, Prasad Anantharaju, Ghosh Kaushik (UK)

131 Surgical management of traumatic spondylolisthesis of axis
Khan Robert A, Khan S I M Khairun Nabi, Rahman Md Moshir (Bangladesh)

132 Patterns of spinal gunshot injuries and outcome: experience from pakistan

Iqbal Noor Ul Ain, Sharif Salman, Qadeer Mohsin (Pakistan)

BRAMANTE 15

4:30 PM 6:00 PM

OP EES 1

TBD

CHAIRMEN Vlad Ciurea (Romania)
Muhammad Waqas (Pakistan)

KEY NOTE LECTURE

Michelangelo Code

Ciurea Vlad (Romania)

133 The factors related with hopelessness, anxiety and depression level with the parents who have children with spina bifida

Huseyin Canaz, Alatas Ibrahim, Uyar Merve, Ozpinar Gulben, Kara Nursu, Canaz Huseyin (Turkey)

134 Routine Tracheostomy - is it really warranted in Severe Head Injury patients - an ethical viewpoint

Chauhan Sukirti, Dhandapani Balasubramanian, Jothi Ranganathan, P Anbazhagan (India)

135 Economic hardship and emotional fallout burden of households with children attending surgical care for hydrocephalus in Benin

Hugues Jean-Thierry Gandaho, Gandaho Hugues Jean-Thierry, Hounton Sennen Hoessey, Houinsou-Hans Isaac, Agbani Sr Florence (Benin)

136 Ethic trough an experience

Tliba Souhil, Boudebza Dounia, Takbou Idir, Kechfoud Hassan, Himeur Hafidh (Algeria)

137 Mentoring ethics in postgraduate surgical training: a developing country perspective from pakistan

Waqas Muhammad, Shamim Muhammad (Pakistan)

138 Minimally expensive neurosurgery, practical and easy way to reduce costs of surgery

Carrasco Edgar M. (Bolivia)

139 The reliability of the glasgow coma scale. a living systematic review

Florence Reith (Belgium)

ORAL PRESENTATIONS SEPTEMBER 10

BRAMANTE 3

2:30 PM 4:00 PM

OP NO 7

NEUROIMAGING

CHAIRMEN *Francesco Prada (Italy)*
Marco Riva (Italy)

KEY NOTE LECTURE

BOLD-MRI quantitative cerebrovascular reactivity measures to assess hemodynamic impairment: a comparison to H2O-PET

Fierstra Jorn, van Niftrik Bas, Piccirelli Marco, Bozinov Oliver, Wegener Susanne, Burkhardt Jan-Karl, Pangalu Athina, Luft Andreas, Valavanis Antonios, Regli Luca (Switzerland)

140 Hidden spondylolisthesis: unrecognized cause of low back pain? Prospective study about the use of dynamic projections in standing and recumbent position for the individuation of lumbar instability

Fabrizio Gregori, Landi Alessandro, Marotta Nicola, Delfini Roberto (Italy)

141 How evolution informs modern human cranial form

Kunz Alexandra, Csokay Andras (USA)

142 Predictive value of PWI for blood supply and T1-SE MRI for consistency of pituitary adenoma

Ma Zengyi, He Wenqiang, Zhao Yao (China)

143 Normal range of space available for cervical cord (sac) of young adult nigerians: impact of age and involvement in non-competitive contact sports

Ndubuisi Chika, Mezue Wilfred, Ohaegbulam Samuel (Nigeria)

144 Preoperative magnetic resonance and intraoperative ultrasound fusion imaging for real-time neuronavigation in brain tumor surgery

Prada Francesco, Del Bene massimiliano, Casali Cecilia, Legnani Federico, Saladino Andrea, Perin Alessandro, Vetrano Ignazio Gaspare, Mattei Luca, Moiraghi Alessandro, Richetta Carla, Saini Marco, Di Meco Francesco (Italy)

145 Structural characterisation of gliomas by combining 11-C-Methionine Positron Emission Tomography (11-C-MET-PET) and MRI

Riva Marco, Lopci Egesta, Pessina Federico, Raneri Fabio Angelo, Gallucci Marcello, Fernandes Bethania, Galli Carlo, Olivari Laura, Chiti Arturo, Bello Lorenzo (Italy)

146 Evaluating cerebral hemodynamics using new non-invasive and quantitative mri techniques

van Niftrik Bas, Piccirelli Marco, Bozinov Oliver, Pangalu Athina, Burkhardt Jan-Karl, Valavanis Antonios, Regli Luca, Fierstra Jorn (Switzerland)

147 Frameless stereotactic biopsy for the brain tumor: a consecutive series of 63 cases with the use of a new holder (Tenetor) and the presence in the operating room of the neuropathologist

Dallolio Villiam (Italy)

BRAMANTE 4

2:30 PM 4:00 PM

OP NO 8

MENINGIOMAS

CHAIRMEN *Lamia Benantar (Morocco)*
Giacomo Pavesi (Italy)

KEY NOTE LECTURE

The ROAM trial - Radiation versus Observation following surgical resection of Atypical Meningioma: an international multi-centre randomised controlled trial

Jenkinson Michael D., Javadpour Mohsen, Mallucci Conor L., Haylock Brian J., Das Kumar, Vinten Jacqui, Gillard Helen, Hughes Dyfrig, Young Bridget, Gamble Carrol (UK)

148 Management of the convexity meningiomas experience of neurosurgery department UHC Mohamed VI Marrakech

Benantar Lamia (Morocco)

149 Analysis of the Endoribonuclease DICER in Brain Meningiomas

Carvalho Felipe, Signh Sanjay, Jalali Shahrzad, Zadeh Gelareh (Brazil)

150 Surgical issues of spinal meningiomas: the role of the dentate ligament

De Marinis Pasqualino, Sgambati Marco, Di Maro Domenico, Vitale Giovanni, Caiazzo Pasquale (Italy)

151 Calcified spinal meningiomas

Fazzolari Benedetta, Davide Colistra, Cappelletti Martina, Marotta Nicola, Ruggeri Andrea Gennaro, Delfini Roberto (Italy)

152 Spheno-orbital meningiomas: a challenge in surgical management in developing country

Golden Nyoman (Indonesia)

153 Optical coherence tomography predicts visual outcome in parachiasmal meningiomas

Park Hun Ho, Oh Min Chuk, Kim Eui Hyun, Kim Chan Yun, Kim Sun Ho, Lee Kyu Sung, Chang Jong Hee (South Korea)

154 Involvement of the internal carotid artery and optic apparatus by meningiomas

Ramira Ricardo, Coelho Neto Mauricio, Moura da Silva Jr Luis Fernando (Brazil)

155 Spheno-orbital meningioma: surgical approaches and extension and limits of the resection

Mariniello Giuseppe (Italy)

BRAMANTE 5

2:30 PM 4:00 PM

OP NO 9

GLIOMAS - INNOVATIVE STRATEGY

CHAIRMEN *Tamara Ius (Italy)*
Maurizio Salvati (Italy)

KEY NOTE LECTURE

Impact of diffusion tensor image-merged neuronavigation on safety and completeness of high grade glioma resection in eloquent brain areas

Libionka Witold, Woznica Michal, Kloc Wojciech (Poland)



ORAL PRESENTATIONS SEPTEMBER 10

156 The antitumor effect of mesenchymal stem cells transduced with a lentiviral vector expressing cytosine deaminase in a rat glioma model

Song Fei (China)

157 A new possible implication of 99mTc-MIBI SPECT in brain gliomas: our preliminary experience

Abbritti Rosaria Viola, La Torre Domenico, Minutoli Fabio, Raffa Giovanni, Conti Alfredo, Cardali Salvatore Massimiliano, Tomasello Chiara, Germanò Antonino, Tomasello Francesco (Italy)

158 IDH 1-mutant malignant gliomas a subtype requiring a more aggressive surgery

Ben Nsir Atef, Ben Hammouda Karim, Jemel Hafedh (Tunisia)

159 Management of incidental Low Grade Gliomas: functional, surgical, clinical and molecular considerations

D'Auria Stanislao, Ius Tamara, Skrap Miran (Italy)

160 Fluorescence-guided tumor resection for the surgery of high grade glioma

Franca Viglia Natale (Italy)

161 Stem cells isolated from the human glioblastoma microenvironment enhance the aggressiveness of glioma-initiating stem cells through the release of exosomes

Ius Tamara, Mangoni Damiano, Manini Ivana, Cesselli Daniela, Beltrami Antonio Paolo, Skrap Miran (Italy)

162 How to best install nanoparticles in glioblastoma - tested in cattle brain

Jaber Mohammed, Wölfer Johannes, Schwake Michael, Wilbers Eike, Zoubi Tarek, Stummer Walter (Germany)

163 The surgical management of recurrent in the glioblastoma multiforme

Vincenza Maiola, Salvati Maurizio, D'Elia Alessandro, Tropeano Maria Pia, Maffeo Elisa, Prizio Emiliano, Manucci Mirena, Frati Alessandro, Santoro Antonio, Delfini Roberto (Italy)

BRAMANTE 6+7

2:30 PM 4:00 PM

OP NO 10

RADIOSURGERY

CHAIRMEN Alfredo Conti (Italy)
Antonio Nicolato (Italy)

KEY NOTE LECTURE

Gamma knife radiosurgery for vestibular schwannomas: clinical results at long-term follow-up in a series of 379 patients

Boari Nicola, Mortini Pietro, Bailo Michele, Gagliardi Filippo, Franzin Alberto, Gemma Marco, Picozzi Piero, Bolognesi Angelo, Spina Alfio, del Vecchio Antonella (Italy)

164 Cyberknife radiosurgery treatment of the tumors of the spine

Buryk Vladyslav (Ukraine)

165 Integration of fMRI and MEG functional maps into a Cyberknife planning system: feasibility study for motor activity localization and dose planning

De Martin Elena, Ghielmetti Francesco, Visani Elisa, Duran Dunja, Rossi Sebastiano Davide, Aquino Domenico, Marchetti Marcello, Bruzzone Maria Grazia, Panzica Ferruccio, Fariselli Laura (Italy)

166 Stereotactic radiosurgery for metastasis to the craniovertebral junction preserves spine stability and offers symptomatic relief

Azad Tej, Esparza Rogelio, Chaudhary Navjot, Chang Steven D. (USA)

167 Sum signal film dosimetry: a novel approach for high dose patient specific quality assurance with Gafchromic EBT3

De Martin Elena (Italy)

168 Effectiveness of gamma knife radiosurgery in improving psychophysical performance and patient's quality of life in idiopathic trigeminal neuralgia

Franzin Alberto, Gagliardi Filippo, Spina Alfio, Bailo Michele, Boari Nicola, Fava Arianna, Cavalli Andrea, Gioia Lorenzo, Mortini Pietro (Italy)

169 Failure of low dose radiosurgical thalamotomy for tremor control. Preliminary results from a single institution prospective study

Marchetti Marcello, Franzini Angelo, Ghielmetti Francesco, Milanese Ida, Pinzi Valentina, De Martin Elena, Messina Giuseppe, Fariselli Laura (Italy)

170 Stereotactic radiosurgery for brain metastases from renal cell carcinoma: a retrospective international outcome study

Veeravagu Anand, Azad Tej, Zhang Michael, Li Amy, Chang Steven D. (USA)

BRAMANTE 10

2:30 PM 4:00 PM

OP NV 4

TBD

CHAIRMEN Hongyan Han (China)
Jung Hyun Park (South Korea)

KEY NOTE LECTURE

Clinical results of surgical strategy (TODAI protocol) for moyamoya disease

Imai Hideaki, Miyawaki Satoru, Ono Hideaki, Nakatomi Hirofumi, Yoshimoto Yuhei, Saito Nobuhito (Japan)

171 Surgical microanatomy of the posterior condylar emissary vein and its anatomical variations for treatment of vertebral artery aneurysm via the transcondylar fossa approach

Ota Nakao, Tanikawa Rokuya, Miyama Masataka, Matsumoto Takashi, Miyazaki Takanori, Yanagisawa Takeshi, Matsukawa Hidetoshi, Suzuki Go, Miyata Shiro, Oda Junpei, Noda Kosumo, Tsuboi Toshiyuki, Takeda Rihee, Kamiyama Hiroyasu, Tokuda Sadahisa (Japan)

172 Relationship between mr-dwi-positive lesions and symptomatic ischemic complications after coiling of ruptured intracranial aneurysms

Park Jung Hyun, Choi Il, Shin Il Young, Hwang Hyung Sik (South Korea)

173 Surgical flow diversion for the treatment of intracranial aneurysms that are unclippable, untrappable and uncoilable

Park Wonhyoung, Lee Sung Ho, Ahn Jae Sung Ahn (South Korea)

174 Remote intracerebral hemorrhage after endovascular treatment of unruptured cerebral aneurysms

Sim Sook Young, Chung Joonho, Shin Yong Sam (South Korea)

175 Prophylactic blood pressure lowering with intravenous minocycline administration as secure and effective postoperative management after revascularization surgery for moyamoya disease

Fujimura Miki, Niizuma Kuniyasu, Endo Hidenori, Sakata Hiroyuki, Tominaga Teiji (Japan)

ORAL PRESENTATIONS SEPTEMBER 10

176 Novel combined bypass surgery for moyamoya disease using pericranial flap

Han Hongyan, Chen Guoqiang, Feng Zengwei, Xu Jinshan, Zuo Yunlong (China)

177 Long-term outcomes of carotid endarterectomy and carotid artery stenting for carotid artery stenosis: real-world status in japan

Hosoda Kohkichi, Imahori Taichiro, Fujita Atsushi, Yamamoto Yusuke, Mizowaki Takashi, Miyake Shigeru, Kimura Hidehito, Kohta Masaaki, Kohmura Eiji (Japan)

178 Short-term sodium valproate prophylaxis in patients with acute spontaneous supratentorial intracerebral hemorrhage: a randomized, double-blind, placebo-controlled trial

Hu Xin, Fang Yuan, Ma Lu, Li Hao, You Chao (China)

BRAMANTE 11

2:30 PM 4:00 PM

OP PE 2

PEDIATRIC NEURONCOLOGY

CHAIRMEN Armando Cama (Italy)
Carlo Efisio Marras (Italy)

KEY NOTE LECTURE

Surgical outcome in children under age of 2 years with brain tumors

Reda Mohamed (Egypt)

179 Pediatric central nervous system tumors in nepal: retrospective analysis and literature review of low and middle income countries

Azad Tej, Vava Silvia, Sharma Mohan R., Grant Gerald A. (USA)

180 Endoscopic assisted microsurgery for lateral ventricular choroid plexus papilloma

Elsamman Amr, Salama Mohamed (Egypt)

181 Surgical management of pediatric brain stem glioma: a series of 29 cases

Farhoud Ahmed (Egypt)

182 Optic pathways gliomas in children: a challenging management

Massimi Luca, Frassanito Paolo, Vigo Vera, Tamburrini Gianpiero, Di Rocco Concezio, Caldarelli Massimo (Italy)

183 Clinical outcome of surgery, carboplatin based chemotherapy followed by radiotherapy in patients with primary intracranial germ cell tumors

Motomura Kazuya, Natsume Atsushi, Wakabayashi Toshihiko (Japan)

184 Resective surgery in thalamic tumors in children

Pietro Spennato, Cinalli Giuseppe, Aguirre Danieal, Mirone Giuseppe, Ruggiero Claudio, Trischitta Vincenzo (Italy)

185 Intraorbital lesions in children: a serie of 66 cases

Yacoubi Becherki, Benbouzid Tahar (Algeria)

BRAMANTE 12

2:30 PM 4:00 PM

OP SP 4

SPINE NEURO-OMCOLOGY

CHAIRMEN Francesco Sala (Italy)
Bing Sun (China)

KEY NOTE LECTURE

Pure endonasal endoscopic odontoidectomy to manage irreducible ventral cranio-cervical junction (CCJ) lesions

Salvatore Chibbaro, Leonardo Tigan, Helene Cebula, Francois Proust, Stephane Gaillard (France)

186 Neurosurgical treatment of sacral tumors causing neural compression

Slynko Ievgenii, Leshko Michael (Ukraine)

187 Minimally invasive removal of spinal tumors using a tubular retractor system

Sun Bing (China)

188 Surgical management of spinal intramedullary tumors: personal experience with long follow-up

Tommaso Tufo, Conforti Giulio, Mannino Stefano, Meglio Mario, Cioni Beatrice (Italy)

189 Quantitative ex-vivo measurement of 5-ALA induced protoporphyrin IX accumulation to detect tissue of intradural spinal tumors

Widhalm Georg, Martinez-Moreno Mauricio, Millesi Matthias, Kiesel Barbara, Wöhrer Adelheid, Wolfsberger Stefan, Knosp Engelbert (Austria)

190 The surgical treatment of patients with tumors of the spine in the thoracic and lumbar segments

Yuldashev Ravshan (Uzbekistan)

191 Clinical effect study of use of laminoplasty and laminectomy for intraspinal canal tumors

Quan Zhou (China)

192 Unilateral hemilaminectomy or laminoplasty for the micro-neurosurgical removal of spinal cord tumor: a survey of 35 cases

Libaolong (China)

193 Neurophysiologic monitoring during spinal intra-dural tumours resection – Experience of a single neurosurgical unit

Bhatt Pragnesh, Anichini Giulio, Iqbal Mazhar, Clark L, Smith M, Kamel Mahmoud, Forster Alan (UK)

BRAMANTE 14

2:30 PM 4:00 PM

OP SP 5

SPINE DEGENERATIVE DISEASES

CHAIRMEN Giovanni Grasso (Italy)
Pasquale Caiazzo (Italy)

KEY NOTE LECTURE

Percutaneous Lumbar Interbody Fusion: Technique and Indications

Awasthi Deepak, Liechty Peter (USA)



ORAL PRESENTATIONS SEPTEMBER 10

194 Clinical results of endoscopic micro discectomy in intervertebral disc hernias of lumbar spine division

Sattarov Alisher, Rakhmatov Aziz, Akhmedov Shukhrat (Uzbekistan)

195 The bacjac® interspinous device in the management of lumbar spine degenerative diseases: mid-term (4 years) follow-up

Irace Claudio, Giannachi Luigi, Amato Vincenzo, Corona Claudio (Italy)

196 Accuracy in pedicle screw placement: comparison between percutaneous and open techniques, with and without neuronavigation

Innocenzi Gualtiero, Cardarelli Giovanni, D'Ercole Manuela, Bistazzoni Simona, Ricciardi Francesco (Italy)

197 Management of Lumbar Degenerative Spondylolisthesis: decompression alone or decompression and fusion

Refaat Mohamed I (Egypt)

198 Clinical and radiological results of bryan cervical disc arthroplasty after follow-up of ten years

Chiara Liberati, Assietti Roberto (Italy)

199 Posterior lumbar interbody fusion with transpedicular screw fixation with and without intraoperative electrophysiological neuromonitoring - a large controlled case series

Libionka Witold, Woznica Michal, Kloc Wojciech (Poland)

200 Endoscope-assisted resection of calcified thoracic disc herniations

Serena Tola, Paolini Sergio, Missori Paolo, Esposito Vincenzo (Italy)

201 Preliminary experience with pedicle-lengthening osteotomy for the treatment of lumbar spinal stenosis

Maugeri Rosario, Basile Luigi, Anderson David Greg, Iacopino Domenico Gerardo (Italy)

BRAMANTE 15

2:30 PM 4:00 PM

OP NT 3

HEAD INJURY / CRITICAL CARE

CHAIRMEN Corrado Iaccarino (Italy)

Yaroslav Latyshev (Russia)

KEY NOTE LECTURE

Preliminary results of a prospective study on complications related to cranial reconstruction

Iaccarino Corrado, Viaroli Edoardo, Fricia Marco, Serchi Elena, Poli Tito, Servadei Franco (Italy)

202 The effects of Glucagon and insulin combination towards blood glutamate level, activated Calpain-1 expression and morphology of brain damage following traumatic brain injury in rat model

Imron Akhmad, Wiradisastra Kahdar, Hilmento Dany, Hernowo Bethy (Indonesia)

203 The role of recombinant il-10 on the serum level of tnf- α , one hour post traumatic brain injury of the wistar rat

Islam Andi Asadul, Adhimarta MD. Willy, Maliawan Sri, Lowrence MD. Gatot S., Patellongi MD. Ilhamjaya (Indonesia)

204 Operative outcome of Traumatic Acute Subdural Haematoma - A Retrospective study of 48 cases

Anisul Islam Khan (Bangladesh)

205 Rehabilitation of functionally dependent neurosurgical patients: challenges faced by a tertiary care neurosurgery centre

Khan Saad Akhtar, Ujjan Badaruddin, Waqas Muhammad, Salim Adnan, Javed Gohar (Pakistan)

206 Efficacy appraisal of ancient technologies for head injury skull opening

Krivoshapkin Alexey, Chikisheva Tatiana, Zubova Alisa, Titov Anatoli, Kurbatov Vladislav, Volkov Pavel (Russia)

207 Penetrating brain injuries by non-metallic foreign bodies: problems of diagnosis, complications, surgical treatment

Yaroslav Latyshev, Potapov Alexander, Okhlopov Vladimir, Eolchiyan Sergei, Serova Natalia (Russia)

208 Acute subdural haematomas submitted to surgical treatment: a single-institution series

Lavrador José Pedro, Cruz Teixeira Joaquim, Oliveira Edson, Simão Diogo, Manuel Santos Maria, Simas Nuno (Portugal)

209 Gate crush injuries: a retrospective descriptive study

Makhambeni Wilhemina (South Africa)

BRAMANTE 3

4:30 PM 6:00 PM

OP NO 11

NEURONAVIGATION

CHAIRMEN Alessandro Moiraghi (Italy)

Andrea Brunori (Italy)

KEY NOTE LECTURE

Preoperative planning based on navigated transcranial magnetic stimulation improves surgical treatment of brain lesions located near the motor pathway

Germanò Antonino, Conti Alfredo, Raffa Giovanni, Scibilia Antonino, Rizzo Vincenzo, Quartarone Angelo, Tomasello Francesco (Italy)

210 Advanced navigation guidance improves extent of resection of sphenoorbital meningiomas

Wolfsberger Stefan, Martínez-Moreno Mauricio, Mert Aygöl, Millesi Matthias, Kiesel Barbara, Widhalm Georg, Knosp Engelbert (Austria)

211 Influences of high-field intraoperative magnetic resonance imaging on the extent of resection and functional prognosis in low-grade gliomas with seizure

Hou Mengzhuo (China)

212 Navigated intraoperative ultrasound in glioma surgery: impact on extent of resection and patient outcome - a single center experience

Alessandro Moiraghi, Prada Francesco, Del Bene Massimiliano, Richetta Carla, Saladino Andrea, Legnani Federico, Casali Cecilia, Vetrano Ignazio, Perin Alessandro, Saini Marco, Sakas Georgios, Di Meco Francesco (Italy)

213 Risk-benefit analysis of cone beam technology for spine surgery: prospective study

Noriega David Cesar, Ardura Francisco, Hernandez Ramajo Ruben (Spain)

214 Spinal navigation: intraoperative CT (AIRO) vs cone-beam CT (O-arm). Preliminary results of a single center experience

Scarone Pietro, Valci Luca, Kurzbuch Arthur, Kühlen Dominique, Presilla Stefano, Del Grande Filippo, Reinert Michael (Switzerland)

215 Cervical spine surgery using navigation system including O-arm

Shimokawa Nobuyuki, Abe Junya, Shirosaka Keisuke (Japan)

216 Intraoperative multi-information-guided resection of dominant-sided insular glioma in a 3T iMRI integrated surgical suite

Zhuang Dongxiao, Wu Jin-Song, Yao Cheng-Jun, Qiu Tian-Ming, Xu Geng, Mao Ying, Zhou Liang-Fu (China)

217 Intraoperative cone-beam computer tomography and navigation system in spinal surgery

Konovalov Nikolay, Nazarenko Anton, Asyutin Dmitriy, Onoprienko Roman, Korolishin Vasilii, Zakirov Bahrom, Cherkiev Islam, Kosyrkova Alexandra, Timonin Stanislav, Pogosyan Artur, Pimenova Leysan, Martynova Mariya (Russia)

BRAMANTE 4
4:30 PM 6:00 PM

OP NO 12

MENINGIOMAS

CHAIRMEN Sandro Carletti (Italy)
Zengyi Ma (China)

KEY NOTE LECTURE

Petroclival meningiomas: evolution of surgical treatment in a 20-year series

Pinna Giampietro, Masotto Barabara, Ricci Umberto Maria, Spinelli Roberto, Zironi Simone (Italy)

218 A fluorescence in situ hybridization study in atypical and anaplastic meningiomas

Sadashiva Nishanth, sugur Harsha, Srinivas Dwarakanath, Santosh Vani, Somanna Sampath (India)

219 Technical strategy and pitfall of functional preservation in surgery for juxtaseellar skull base meningioma: Especially focused on the visual function and clinical problems related to perforators

Sakata Katsumi (Japan)

220 Role of the combined supra-infratentorial pre-sigmoid sinus retrolabyrinthine approach in the treatment of "true" petroclival and sphenopetroclival meningiomas

Tanya EnnySassun, Ruggeri Andrea, Delfini Roberto (Italy)

221 Following the canyon to reach and remove olfactory groove meningiomas: surgical experience

Stefini Roberto, Zenga Francesco, Esposito Giacomo, Bolzoni Andrea, Tartara Fulvio, Spena Gian Antonio, Ambrosi Claudia, Fontanella Marco (Italy)

222 The clinical significance of the expression of JAK2 and STAT5 in meningiomas

Li Yuping, Du Renfei, Zhang Hengzhu (China)

223 Surgical strategy with an emphasis on the early optic canal decompression for the best visual outcome in anterior cranial base meningiomas causing visual deficit

Oya Soichi, Matsui Toru (Japan)

224 Management of petroclival meningiomas. one institution experience.

Voznyak Oleksandr (Ukraine)

BRAMANTE 5
4:30 PM 6:00 PM

OP NO 13

GLIOMAS - INNOVATIVE STRATEGY

CHAIRMEN Francesco Di meco (Italy)
Yuping Li (China)

KEY NOTE LECTURE

Intraoperative molecular classification of glioma

Cahill Daniel, Shankar Ganesh, Francis Joshua, Rinne Mikael, Ramkissoon Shakti, Huang Franklin, Venteicher Andrew, Akama-Garren Elliot, Kang Yun Jee, Lelic Nina, Kim James, Brown Loreal, Charbonneau Sarah, Golby Alexandra, Sekhar Pdamallu Chandra, Hoang Mai, Sullivan Ryan, Cherniack Andrew, Garraway Levi, StemmerORachamimov Anat, Reardon David, Wen Patrick, Brastianos Priscilla, Curry William, Barker Fred, Hahn William, Nahed Brian, Ligon Keith, Louis David, Meyerson Matthew (USA)

Contrast Enhanced Ultrasound (CEUS) for real-time image guidance in brain tumor surgery

Di Meco (Italy)

225 Unphosphorylated Stat1 mediates multiple pathways regulating cell proliferation, migration and apoptosis in human malignant glioma cell line U87MG

Haitao Ju, Hong Li, Hongwei Wang, Changwu Dou, Gang Zhao (China)

226 Role of extensive surgical resection in prognosis of anaplastic gliomas

Nitta Masayuki, Maruyama Takashi, Saito Taiichi, Okamoto Saori, Kawamata Takakazu, Muragaki Yoshihiro (Japan)

227 5-ALA guided removal and combined treatment in recurrent malignant glioma

Piero AndreaOppido, Carapella Carmine Maria, Villani Veronica, Vidiri Antonello (Italy)

228 Where is the serial order across domains stored within the brain? A direct electrical stimulation study

Riva Marco, Comi Alessandro, Fava Enrica, Pessina Federico, Verenice Mirta, Papagno Costanza, Bello Lorenzo (Italy)

229 Treatment results of AVAgamma therapy in combination with gamma knife stereotactic radiosurgery and bevacizumab for recurrent glioblastoma

Sato Kenichi, Ito Tamio, Takanashi Masami, Ozaki Yoshimaru, Asanome Taku, Nakamura Hirohiko (Japan)

230 Threshold - level in Transcranial Motor Evoked Potentials During Surgery for Gliomas Close to Motor Pathway

Abboud Tammm, Schaper Miriam, Schwarz Cindy, Duehrsen Lasse, Schmidt Nils Ole, Westphal Manfred, Martens Tobias (Germany)



ORAL PRESENTATIONS SEPTEMBER 10

BRAMANTE 6+7

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OP NV 5

TBD

CHAIRMEN *Oreste De Vitiis (Italy)*
Nakao Ota (Japan)

KEY NOTE LECTURE

The role of Cerebral-Spinal Fluid interleukin-6 on vasospasm prediction in aneurysmal subarachnoid hemorrhage patients submitted to external lumbar drainage: randomised controlled trial

Carvalho Miguel, Pereira Ricardo, Cabrita Francisco, Costa Gonçalves, Barbosa Marcos (Portugal)

231 Risks associated with the management of unruptured intracranial aneurysm in japan and development of risk prediction model: ucas treat result

Morita Akio, Tominari Shinjiro, Ucas Japan Investigators Na (Japan)

232 Surgical strategy for complex anterior cerebral artery aneurysms

Ota Nakao, Tanikawa Rokuya, Kamiyama Hiroyasu, Tsuboi Toshiyuki, Noda Kosumo, Miyata Shiro, Suzuki Go, Matsukawa Hidetoshi, Yanagisawa Takeshi, Tokuda Sadahisa (Japan)

233 Traumatic intra-cranial aneurysms in the child

Shrestha Rajendra, You Chao (Nepal)

234 Surgical treatment of distal anterior cerebral artery aneurysms - an institutional experience

Shukla Dhaval, Chandramouli BA, Sampath Somanna, Indira Devi Bhagavatula, Dwarakanath Srinivas, Bhat Dhananjaya, Pandey Paritosh (India)

235 Biomechanical characterisation of intracranial aneurysm wall: a multi-scale study

Signorelli Francesco, Pallier-Mattei Cyril, Gory Benjamin, Pelissou-Guyotat Isabelle, Guyotat Jacques, Maduri Rodolfo, Chirchiglia Domenico, Turjman Francis (Italy)

236 Specific preoperative anatomic examination for unruptured aneurysm

Tenjin Hiroshi, Yamamoto Hiroyuki, Goto Yudai, Tanigawa Seisuke, Takado Michiko, Takeuchi Hayato, Nanto Masataka, Nakahara Yoshikazu (Japan)

237 Anatomical features and clinical outcomes of 81 distal anterior cerebral artery aneurysms

Yi Hojun, Lee Sang Gun, Hwang Hyung Sik, Shin Il Young, Choi Il, Park Jung Hyun (South Korea)

238 Multimodal intraoperative neuromonitoring is highly efficacious for detecting permanent neurologic deficit in aneurysm surgery and enhances temporary clipping safety

Staarmann Brittany, Magner Mark, Zuccarello Mario, O'Neal Kelly (USA)

BRAMANTE 10

4:30 PM 6:00 PM

OP NV 6

TBD

CHAIRMEN *Hanqiang Jiang (China)*
Vasily Lukshin (Russia)

KEY NOTE LECTURE

Tbd

Tbd

239 Investigation of RNF213 p.R4810K and A4399T in a high-prevalence town of moyamoya disease in China

Jiang Hanqiang, Lei Yu, Ni Wei, Li Yanjiang, Gu Yuxiang, Mao Yin (China)

240 Temporal profile of MRA and vascular morphological characteristics in mice with R4859K mutation of RNF213, susceptibility gene for moyamoya disease

Kanoke Atsushi, Fujimura Miki, Niizuma Kuniyasu, Ito Akira, Sakata Hiroyuki, Sonobe Shinya, Nishijima Yasuo, Sato-Maeda Mika, Morita-Fujimura Yuiko, Kure Shigeo, Tominaga Teiji (Japan)

241 Posterior circulation involvement in European moyamoya angiopathy: presentation and management

Nadia Khan, Roder Constantin, Baltasavias Gerasimos, Ebner Florian, Tatagiba Marcos (Switzerland)

242 Elevated thyroid function and thyroid autoantibodies as a risk factor for ischemic stroke in adult Moyamoya disease : A Korean population-cohort based case control study

Kim Jeong Eun, Ahn Jun Hyong, Jeon Jin Pyeong, Park Young Joo, Cho Won-Sang, Kang Hyun-Seung, Son Young-Je, Bang Jae Seung, Oh Chang Wan (South Korea)

243 Evaluation of STA-MCA bypass efficacy for cerebral ischemia

Lukshin Vasily, Usachev Dmitri, Shmigelsky Alexander, Pronin Igor, Ahmedov Ayaz, Korshunov Anton (Russia)

BRAMANTE 11

4:30 PM 6:00 PM

OP FU 3

EPILEPSY SURGERY

CHAIRMEN *Cameron Alistair Elliott (Canada)*
Faisal Al-Otaibi (Saudi Arabia)

KEY NOTE LECTURE

Epilepsy surgery series: a study of 502 consecutive patients from a developing country

Al semari A., Alotaibi Faisal, Baz Salah, Althubaiti I, Aldhalaan H, Macdonald David, Abalkhail T, Fiol Miguel, Alyamany S, Chidrawi A, Leblanc F, Parrent A, Maclean D, Girvin John (Saudi Arabia)

244 An evolutionary approach to febrile seizures and thermoregulation

Kunz Alexandra (USA)

245 Robotics in neurosurgical stereotactic interventions: oblique intrasulcal electrodes implanted of patients with epilepsy

Afif Afif (France)

ORAL PRESENTATIONS SEPTEMBER 10

246 Role of middle cranial fossa defects in refractory cryptogenic temporal lobe epilepsy: a controlled study

Campello Mauro, Turiano Francesco, Ferlazzo Edoardo, Cianci Vittoria, Gasparini Sara, Calabrò Silvio, Versace Paolo, Aguglia Umberto (Italy)

247 Contralateral hippocampal atrophy following temporal lobe epilepsy surgery: a longitudinal quantitative imaging study

Elliott Cameron Alistair, Wheatley B Matt, Gross Donald, Beaulieu Christian, Sankar Tejas (Canada)

248 VNS for drug-resistant epilepsies: long term results compared with patient/caregiver satisfaction

Mannino Stefano, Fuggetta Filomena, Tufo Tommaso, Vollono Catello, Cioni Beatrice (Italy)

249 Long term outcomes after epilepsy surgery

Mohan Midhun, Wiesmann Udo, Keller Simon (UK)

250 Temporal lobe epilepsy surgery: does the extent of resection affects seizure outcome?

Morace Roberta, Di Gennaro Giancarlo, Quarato Pier Paolo, Mascia Addolorata, D'Aniello Alfredo, Grammaldo Liliana, De Risi Marco, Vangelista Tommaso, Esposito Vincenzo (Italy)

251 Efficacy of vagus nerve stimulation (vns) for treatment of refractive epilepsy in the pediatric population: our institutional series

Ruggiero Claudio, Spennato Pietro, Mirone Giuseppe, Di Martino Giuliana, Aliberti Ferdinando, Cinalli Giuseppe (Italy)

BRAMANTE 12

4:30 PM 6:00 PM

OP SP 6

SPINAL DEGENERATIVE DISEASES

CHAIRMEN Kyung-Chul Choi (South Korea)
Gohsuke Hattori (Japan)

KEY NOTE LECTURE

Adjacent level cervical disc degeneration after fusion - prospective study for 10 years

Chatterjee Sandip (India)

252 Percutaneous endoscopic lumbar discectomy as an alternative to open lumbar microdiscectomy for large lumbar disc herniation

Choi Kyung-Chul, Kim Jin-Sung, Park Choon-Keun (South Korea)

253 Cervical laminoplasty with new titanium spacer-comparison with hydroxyapatite spacer

Hattori Gohsuke (Japan)

254 The clinical outcome after anterior cervical discectomy and fusion with an autologous iliac crest: a retrospective up to 45-year follow-up study

Burkhardt Benedikt, Briemeier Moritz, Schwerdtfeger Karsten, Oertel Joachim (Germany)

255 Posterior lumbar decompression and fusion using an intraoperative 3D imaging-based navigation system for lumbar degenerative diseases: preliminary experience

Cardali Salvatore, Cacciola Fabio, Raffa Giovanni, Conti Alfredo, La Torre Domenico, Angileri Filippo Flavio, Germanò Antonino, Tomasello Francesco (Italy)

256 Minimally invasive spine surgery in the thoracolumbar spine: degenerative and trauma cases

Schwarcz Attila, Doczi Tamas, Kaso Gabor, Szakaly Peter, Buki Andras (Hungary)

257 Our experience of surgical treatment of failed back surgery syndrome with osteochondrosis of the lumbar division.

Rakhmonov Khurshidjon, Saidov Sokhib (Uzbekistan)

258 Transpars microscopic approach for the treatment of purely foraminal herniated lumbar disc: a single institution study

De Bonis Pasquale, Mongardi Lorenzo, Ghisellini Giulia, Trapella Giorgio, Farneti Marco, Lapparelli Marcello, Altruda Carmela, Schivalocchi Roberta, Campioni Paolo, Cavallo Michele Alessandro (Italy)

BRAMANTE 14

4:30 PM 6:00 PM

OP NT 4

HEAD INJURY / CRITICAL CARE

CHAIRMEN Gleb Danilov (Russia)
Dongxia Feng (USA)

KEY NOTE LECTURE

Traumatic brain injury at two tanzanian tertiary care centers: a pilot study

Hartl Roger, Mangat Halinder, Smart Luke, Wu Peter, Ngerageza Japhet, Wu Xian, Gerber Linda, Khair Thamina, Mayaya Gerald (USA)

259 A propensity score based analysis of the impact of decompressive craniectomy on outcomes following severe traumatic brain injury in a resource constrained setting

Agrawal Deepak, Rajajee Venkatakrishna, Schaubel Douglas E., Misra MC, Raghavendran Krishnan (India)

260 Outcome of cranioplasty using autogenous rib graft in children

Alemam Saeed Esmail, nashi medhat reda (Egypt)

261 Outcomes and Experience with subdural peritoneal Shunts in the Management of subdural hematoma

Alvarez-Pinzon Andres, Valerio Jose, Wolf Aizik, Coy Sammie, Sanchez-Gonzalez Marcos (USA)

262 Custom-made titanium cranioplasty for large cranium defects: Experience with 21 patients

Daneyemez Mehmet, Kacar Yunus, Tehli Ozkan, Solmaz Ilker, Izci Yusuf (Turchia)

263 Evaluating the performance of a new MRI-based traumatic brain lesions classification in outcome prediction

Gleb Danilov, Potapov Alexander, Zakharova Natalia, Kornienko Valeriy, Pronin Igor, Alexandrova Evgenia, Gavrilov Anton, Kravchuk Alexander, Oshorov Andrey, Sychev Alexander (Russia)

264 On-demand 3d printing of cranial prostheses and their clinical applications

Evins Alexander Ian, Bernardo Antonio, Stieg Philip E (USA)

265 Decompressive craniectomy with lattice duraplasty in severe tbi patients: a study on intracranial pressure and imaging features

Feng Dongxia, Day John Diaz (USA)

266 The cause of posttraumatic unconsciousness. Early magnetic resonance imaging of comatose patients

Firsching Raimund, Skalej Martin, Luchtmann Michael (Germany)



BRAMANTE 15

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OP EES 2

INFECTIONS

CHAIRMEN Saad Akhtar Khan (Pakistan)
Abderrahmane Sidi Said (Algeria)

KEY NOTE LECTURE

Intracranial tuberculomas about 32 cases

Tarek Mesbahi, Mamadou Dianka, Mounir Rghioui, Tawfik Mamdouh, Abderrazak Bertal, Abdelmajid Chellaoui, Khadija Ibahiouin, Said Hilmani, Abdelhakim Lakhdar, Abdessamad Naja, Abdessamad El Azhari (France)

267 Intra-thecal antibiotics for post-operative gram negative meningitis and ventriculitis.

Khan Saad Akhtar, Waqas Muhammad, Siddiqui Usman, Shamim Shahzad, Jooma Rashid (Pakistan)

268 Spinal hydatid disease: presentation of our experience and literature review.

Kouki Kmar, Ben Nsir Atef, Gannouni Chokri, Slimane Abdelhafidh, Kilani Mohamed, Darmoul Mehdi, Hattab Nejib (Tunisia)

269 An analysis on the risk factors related to intracranial infection secondary to traumatic brain injury

Lin Chao, Ji Jing, Liu Ning (China)

270 Clinical treatment of cerebral tuberculoma

Tuerdialimu Niyazi, Abulaiti Aizezi, Zhang Fenhua (China)

271 Pediatric brain abscess: management issues in developing country

Sedain Gopal, Sharma Mohan, Shilpakar Sushil (Nepal)

272 Spinal infections

Sidi Said Abderrahmane (Algeria)

273 Comparative study of brain abscess treatment with & without intracavitary drain placement.

Singh Saraj Kumar, Raheja Amol, Singh Pankaj Kumar, Kale Shashank Sharad, Sharma Bhavanishankar (India)

274 A new design of shape memory alloy NiTi ring for suturing in deep surgical field: the SELF-KNOTTING SUTURE

Dallolio Villiam (Italy)

BRAMANTE 4

2:30 PM 4:00 PM

OP NO 14

BRAIN TUMORS - GENERAL

CHAIRMEN *Gleb Sergeev (Russia)*
Aldo Spallone (Italy)

KEY NOTE LECTURE

Frontolateral subcommissural trans-lamina terminalis and extended endoscopic endonasal infrachiasmatic approach to the posterior third ventricular region: anatomic and clinical case studies

Catapano Giuseppe, Seneca Vincenzo, Di Nuzzo Giuseppe, Muccio Carmine Franco, Savarese Francesco, Dallan Iacopo, de Notaris Matteo, Prats-Galino Alberto (Italy)

275 Biopsy vs partial vs gross-total resection in older patients with high-grade glioma: an institutional cohort and meta-analysis

Almenawer Saleh, Badhiwala Jetan, Reddy Kesava (Canada)

276 Constrained Spherical Deconvolution (CSD) MRI Tractography in pre-surgical planning of fronto-parietal high-grade gliomas

Alafaci Concetta, Granata Francesca, Mormina Enricomaria, Longo Marcello, Tomasello Francesco (Italy)

277 Long-term use of mobile phone and its association with glioma: a systematic review and meta-analysis

Gong Xiu, Wu Jinsong, Mao Ying, Zhou Liangfu (China)

278 Neuroradiological characteristics in magnetic resonance imaging as predictors of clinical and functional outcome in craniopharyngiomas

Mortini Pietro, Losa Marco, Parlangeli Andrea, Bailo Michele, Spina Alfio, Boari Nicola, Gagliardi Filippo (Italy)

279 Intraventricular epidermoids

Bhatia Harjinder (India)

280 Long-term outcome and predictive factors of atypical / anaplastic meningiomas

Sakata Kiyohiko, Komaki Satoru, Takeshige Nobuyuki, Nakashima Shinji, Terasaki Mizuhiko, Morioka Motohiro (Japan)

281 Parasagittal Meningioma: Evaluation of surgical techniques in different economic profile medical centers

Elhakim Adel, Kotb Ali Ali, Elbahi Khaled (Egypt)

282 MRI assessment of histological types for tumor of meninges

Sergeev Gleb (Russia)

BRAMANTE 5

2:30 PM 4:00 PM

OP NO 15

BRAIN TUMORS - GENERAL

CHAIRMEN *Massimo De Bellis (Italy)*
Manuela Caroli (Italy)

KEY NOTE LECTURE

Fluorescein-guided surgery for resection of malignant gliomas

Broggi Morgan, Ferrollo Paolo, Schiariti Marco, Anghileri Elena, Cuppini Lucia, Cavallo Claudio, Schebesh Karl Michael, Hoenhe Julius, Brawanski Alexander, Pollo Bianca, Orsi Chiara, Broggi Giovanni, Acerbi Francesco (Italy)

283 Efficacy of fosphenytoin with oral phenytoin for control of postoperative seizures of brain tumor patients

Moriuchi Shusuke (Japan)

284 Portable intraoperative CT-scan (i-CT) in image-guided surgery for brain high-grade gliomas: analysis of its impact on extent of tumor resection and review of the literature.

Francesco Certo, Barbagallo Giuseppe (Italy)

285 Role of gamma knife radiosurgery in the treatment of cerebral metastases from melanoma

Franzin Alberto, Donofrio Carmine, Cavalli Andrea, Spatola Giorgio, Boari Nicola, Panni Pietro, Bolognesi Angelo, Valle Micol, Mortini Pietro (Italy)

286 Intratecal chemotherapy through ommaya reservoir for meningeal carcinomatosis treatment: a single-institution experience

Lavrador José Pedro, Simas Nuno, Oliveira Edson, Teixeira Wilson, Batista Pedro, Carvalho Manuel Herculano (Portugal)

287 Metastasis inducing proteins' are highly expressed in human brain metastases and may be predictive of response to radiotherapy and risk of recurrence after neurosurgery

Zakaria Rasheed, Platt-Higgins Angela, Rath Nitika, Crooks Daniel, Brodbelt Andrew, Chavredakis Emmanuel, Rudland Philip, Jenkinson Michael (UK)

288 How is evolving stereotactic biopsy? A multicentric analysis of a series of 384 cases treated in Rome in the last twelve years.

Callovinio Giorgio Maria, Telera Stefano, Sherkat Shahram, Carapella Carmine (Italy)

289 Long term psychological well-being in lgg patients operated in awake surgery. preliminary data from a novel approach.

Campanella Fabio, Palese Alvisa, Moreale Renzo, Ius Tamara, Shallice Tim, Fabbro Franco, Skrap Miran (Italy)

BRAMANTE 6+7

2:30 PM 4:00 PM

OP NO 16

BRAIN TUMORS - GENERAL

CHAIRMEN *Ken Matsushima (Japan)*
Virak Tiv (Cambodia)

KEY NOTE LECTURE

The combined interhemispheric sub-commissural translaminal approach to tumors in and around the third ventricle: neurological and functional outcome

Mortini Pietro, Gagliardi Filippo, Boari Nicola, Bailo Michele, Spina Alfio, Falini Andrea, Losa Marco (Italy)

290 The importance of endoscopic ventriculocisternostomy in patients with sub and supratentorial brain tumors secondary associated hydrocephalus

Dilshod Mamadaliev, Asadullaev Ulugbek (Uzbekistan)

291 Microsurgical anatomy of the cerebellar fissures - cerebellar-brainstem fissure dissections for brainstem surgery

Matsushima Ken, Yagmurlu Kaan, Jimbo Hiroyuki, Kohno Michihiro, L. Rhoton, Jr. Albert (Japan)

292 Staged approach of complex multiple giant low-grade angiosarcoma - a Cambodia/International partnership

Tiv Virak (Cambodia)



ORAL PRESENTATIONS SEPTEMBER 11

293 Introduction of a standardized multimodality image protocol for navigation-guided surgery of suspected low-grade gliomas
Mert Aygöl, Widhalm Georg, Kiesel Barbara, Wöhrer Adelheid, Martinez-Moreno Mauricio, Minchev Georgi, Furtner Julia, Knosp Engelbert, Wolfsberger Stefan (Austria)

294 Cytotoxic activity of interferon alpha induced dendritic cells as a biomarker of glioblastoma

Mishinov Sergey, Stupak Vjacheslav, Tyrinova Tamara, Leplina Olga, Ostanin Alexandr, Chernykh Elena (Russia)

295 Comparison of the awake craniotomy method with craniotomy under general anesthesia for approach to sensitive areas in stereotactic guidance

Ozoner Baris, Yilmaz Adem (Turkey)

296 The phylogenesis of human brain as a guide to understand glioma natural history and spread

Salvati Maurizio, D'Elia Alessandro, Tropeano Maria Pia, Maiola Vincenza, Manucci Mirena, Prizio Emiliano, Passacantilli Emiliano, Frati Alessandro, Colonnese Claudio, Santoro Antonio, Delfini Roberto (Italy)

297 Orbital cortical approach to lesions around the frontal horn of lateral ventricle: Indication and surgical parameters

Shah Abhidha, Goel Atul (India)

BRAMANTE 8+9

2:30 PM 4:00 PM

OP NV 7

BRAIN TUMORS - GENERAL

CHAIRMEN Lu Ma (China)
Hua Yang (China)

KEY NOTE LECTURE

Application of Extracorporeal Circulation Technique for Complicated Carotid Artery Disease

Niia Yoshimasa, Kawabori Masato, Iwasaki Motoyuki, Itosaka Hiroyuki, Mabuchi Shoji, Houkin Kiyohiro (Japan)

298 Early occlusion conversion of intracranial arterial stenosis after direct bypass surgery

Ma Yan, Jiao Liqun, Li Meng, Wang Yabing, Chen Yanfei, Ling Feng (China)

299 Microsurgical management of brainstem non cystic hemangioblastomas

Ma Lu (China)

300 Genetic variant RNF213 c.14576G>A in Moyamoya disease and various cerebrovascular diseases

Miyawaki Satoru, Imai Hideaki, Shimizu Masahiro, Yagi Shinichi, Ono Hideaki, Mukasa Akitake, Nakatomi Hirofumi, Shimizu Tsuneo, Saito Nobuhito (Japan)

301 Analysis of genetic variant RNF213 (c. 14576G>A) in 5 pairs of Japanese identical twins with moyamoya disease of juvenile onset

Nariai Tadashi, Mukawa Maki, Kudo Takumi, Sumita Kazuki, Onda Hideaki, Kasuya Hidetoshi, Maehara Taketoshi, Akagawa Hiroyuki (Japan)

302 SMTP-7, a new thrombolytic agent, decreases hemorrhagic transformation after transient middle cerebral artery occlusion under warfarin anticoagulation in mice

Nizuma Kuniyasu, Ito Akira, Shimizu Hiroaki, Fujimura Miki, Hasumi Keiji, Tominaga Teiji (Japan)

303 Long-term effect of stroke prevention by direct revascularization for adult moyamoya patients with ischemic presentation

Oh Chang Wan, Kim Tackeun, Kim Jeong Eun, Bang Jae Seung, Cho Won-Sang (South Korea)

304 Follow-up study of intracranial arterial dissections and histopathological investigation

Ono Hideaki, Nakatomi Hirofumi, Miyawaki Satoru, Imai Hideaki, Saito Nobuhito (Japan)

305 Different assisted embolization technique with Solitaire AB stent using in special intracranial aneurysm

HuaYang (China)

BRAMANTE 10

2:30 PM 4:00 PM

OP NV 8

TBD

CHAIRMEN Guangzhong Chen (China)
Atul Goel (India)

KEY NOTE LECTURE

Microsurgery and pre-operative targeted endovascular embolization for cerebral AVMs cure

Cenzato Marco, Debernardi Alberto, Piparo Maurizio, D'Aliberti Giuseppe, Al Mashni Aysam, Quilici Luca, Pero Guglielmo, Boccardi Edoardo (Italy)

306 Draining vein shielding in intracranial avm's during gamma-knife: a new way of preventing post gamma-knife edema and hemorrhage

Agrawal Deepak, Bose Ratnadip, Singh Manmohan, Kale SS, Gopishankar N, Bisht RK, Sharma BS (India)

307 The Lateral Mesencephalic Vein: surgical anatomy and its role in the drainage of tentorial dural arteriovenous fistulae

Cannizzaro Delia, Rammos Stylianos K, El-Nashar Adel M, Grande Andrew W, Lanzino Giuseppe (USA)

308 Inherited thrombophilic abnormalities and dural arteriovenous fistulas: results from a large modern series

Daniels David, Lanzino Giuseppe, Petr Ondra (USA)

309 Bleeding brain arteriovenous malformation - a retrospective study of 25 cases

Alessandro Di Bartolomeo, Dugoni Demo Eugenio, Di Bartolomeo Alessandro, Mancarella Cristina, Ruggeri Andrea Gennaro, Delfini Roberto (Italy)

310 The use of evoked potential monitoring and provocative testing during embolization of cerebral arteriovenous malformations

Feletti Alberto, Vallone Stefano, Valzania Franco, Baroni Stefano, Puzzolante Annette, Contardi Sara, Fioravanti Valentina, Pavesi Giacomo (Italy)

311 Surgery for arteriovenous malformations

Goel Atul (India)

312 Application of 3D-printing technology in endovascular treatment for brain arteriovenous malformations: a preliminary study

Guangzhong Chen (China)

BRAMANTE 11

2:30 PM 4:00 PM

OP FU 4

EPILEPSY SURGERY

CHAIRMEN *Abdeslam El Khamlichi (Morocco)*
Xue-ling Qi (China)

KEY NOTE LECTURE

Combined surgical treatment for bilateral mesial temporal lobe epilepsy
Vasquez Barron (Mexico)

313 Epilepsy surgery in children with tuberous sclerosis complex: our institutional series

Ruggiero Claudio, Spennato Pietro, Salvia Sibilla, Di Martino Giuliana, Aliberti Ferdinando, Cinalli Giuseppe (Italy)

314 Epilepsy surgery in benign tumors in children

Tichy Michal, Krsek Pavel (Czech Republic)

315 Burden of epilepsy in africa: can surgical management lighten it? preliminary experience from morocco

El Khamlichi Abdeslam, Melhaoui Adyl, Bouchaouch Abdelali, Lahjouji Fatiha, Jiddane Mohamed, Sefiani Sanae, Ouazzani Reda (Morocco)

316 Neuropathological findings in intractable epilepsy: a clinicopathologic analysis of 822 Chinese cases

Xue-ling Qi (China)

317 ECoG based Surgery in Intractable Seizure with Cortical Scarring

Pant Basant, Acharya Dr. Samir, Limbu Dr. Chandra Prakash, Shrestha Dr. Resha, Rajbhandari Dr. Pravesh, Dhakal Dr. Sudan, Shrestha Dr. Pranaya (Nepal)

318 Functional neurosurgery: Evolution in Nepal

Dhakal Sudan, Limbu Chandra Prakash, Shrestha Dr. Resha, Rajbhandari Dr. Pravesh, Shrestha Dr. Pranaya, Acharya Dr. Samir, Pant Basant (Nepal)

319 Atypical language dominance in refractory epilepsy: relation to quantitative MRI

Mohan Midhun, Wiesmann Udo, Baker Gus, Roberts Neil, Sluming Vanessa, Marson Anthony, Keller Simon (UK)

BRAMANTE 12

2:30 PM 4:00 PM

OP PE 3

HYDROCEPHALUS AND CSF DYNAMICS

CHAIRMEN *Paola Peretta (Italy)*
Deepak Kumar Singh (India)

KEY NOTE LECTURE

endoscopic third ventriculostomy and choroid plexus cauterization in children (2-12 months) about 82 cases in Bamako (Mali)

Diallo Oumar, Kanikomo Drissa, Dama Mahamadou, Coulibaly Ouamr, Sogoba Boubacar (Mali)

320 Third ventriculostomy results about 181 cases

Ahokpossi Semevo, Egu Komi, Mousse Nabil, Diawara Seylan, Boutarouch Mahjouba, Rifi Loubna, Malhaoui Adyl, Arkha Yasser, El Ouahabi Abdessamad (Morocco)

321 Ventriculo-peritoneal shunt for hydrocephalus in syndromic craniosynostosis children

Ando Ryo, Osamu Numata, Ito Chiaki, Date Hiroaki (Japan)

322 Ventriculoperitoneal shunt infection: a prospective analysis of its occurrence at university teaching hospitals in harare

Dzowa Maximilian N, Kalangu Kazadi KN, Musara Aaron (Zimbabwe)

323 The relationship between morphological parameters of brain and doppler parameters of cerebral circulation in neonatal hydrocephalus before and after the drainage procedure

Kolarovszki Branislav, Zubor Pavol, Richterova Romana, Kolarovszka Hana, Benco Martin, Opsenak Rene, Matasova Katarina (Slovakia)

324 Post-traumatic ventricular enlargement: atrophy or hydrocephalus? A CSF dynamic approach to identify shunt responders

Signoretti Stefano, Mastrojanni GianMattia, Iaccarino Corrado, Delitala Alberto (Italy)

325 Peroperative functional evaluation of endoscopic third ventriculostomy and aqueductoplasty: A novel concept

Singh Deepak Kumar (India)

326 Relationship between changes in diffuse tensor imaging with developmental improvement on post surgical patients with congenital hydrocephalus.

Wisnu Wardhana Dewa Putu, Suryaningtyas Wihasto, Irwanto Irwanto, Andreani Sri, Prakoeswa Cita Rosita (Indonesia)

327 Posthemorrhagic ventricular dilation (PPHVD) in the premature infants: Are there any relation between the protein and cell values in the CSF and early failure of the ventriculo-peritoneal Shunt?

Orduna Martinez Javier, Curto Simón Beatriz, Fustero de Miguel David, Royo Perez Delia, Moles Herbera Jesus, Galve Pradel Zenaída, Abenia Uson Pilar, Rite Segundo (Spain)

BRAMANTE 14

2:30 PM 4:00 PM

OP SP 7

SPINAL DEGENERATIVE DISEASES

CHAIRMEN *Eduardo Marc Fernandez (Italy)*
Giorgio Stevanato (Italy)

KEY NOTE LECTURE

The role of high resolution ultrasonography as diagnostic and prognostic tool in cubital tunnel syndrome

La Torre Domenico, Raffa Giovanni, Pino Maria Angela, Nunziella Sicilia, Terranova Carmen, Rizzo Vincenzo, Visalli Carmela, Germanò Antonino, Tomasello Francesco (Italy)

328 Dual-portal endoscopic release of the transverse ligament in carpal tunnel syndrome: long-term results in 1110 cases

Quaglietta Paolo (Italy)

329 Nerve transplatation across cryopreserved allografts from cadaveric donors: a novel approach for brachial and lumbosacral plexuses reconstruction

Stevanato Giorgio, Squintani Giovanna, Vici Daniela, Murer Bruno (Italy)

330 Time-dependent plasticity of a spinal motor nucleus in a rat model after peripheral nerve graft repair

Weinert Dieter M., Kraus Eduard (Germany)



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331 Reconstructive neurosurgical treatment of injuries of peripheral nerves using long-term electrical stimulation

Arthur Zgurov, Tsymbaliuk Vitaliy, Tsymbaliuk Iulia, Tretiak Igor, Luzan Boris, Tatarchuk Mikhail, Zgurov Arthur (Ukraine)

332 Severity of dysphagia after anterior cervical surgery

Zaater Ahmed (Egypt)

333 Cauda Equina Syndrome secondary to lumbar disc herniation: retrospective clinical study in 15 cases with in progression symptoms

Vincenza Maiola, Marotta Nicola, Gregori Fabrizio, Landi Alessandro, Santoro Antonio, Delfini Roberto (Italy)

BRAMANTE 15

2:30 PM 4:00 PM

OP NT 5

TBD

CHAIRMEN Domenico Gerardo Iacopino (Italy)
Massimiliano Visocchi (Italy)

KEY NOTE LECTURE

Unintentional head injury in preschoolers and diligence of parental care: An analysis of 109 children under 3 years of age in a developing country

Waqas Muhammad, Jooma Rashid (Pakistan)

334 Intrinsic functional connectivity patterns predicts consciousness level and recovery outcomes in acquired brain injury

Wu Xuehai, Zou Qihong, Zhou Liangfu, He Yong, Yang Yihong (China)

335 Reverse cushioning phenimenone while decompressive craniectomy surgery

Yoo Do-Sung, Won Tae-Yeon, Lee Tae-Kyu, Huh Pin-Woo, Jun Shin-Soo (South Korea)

336 Normobaric oxygenation therapy in post-traumatic pneumocephalus. Is it actually needed?

Youssef Omar (Egypt)

337 Impact of intracranial pressure monitoring on mortality in patients with traumatic brain injury: a systematic review and meta-analysis

Yuan Qiang, Wu Xing, Sun Yirui, Yu Jian, Li Zhiqi, Du Zhuoying, Mao Ying, Zhou Liangfu, Hu Jin (China)

338 Serum total cholinesterase activity on admission is associated with disease severity and outcome in patients with traumatic brain injury

Zhang Qing-Hong, Li An-Min, He Sai-Lin, Sheng Zhi-Yong, Yao Yong-Ming (China)

339 An Artificial Neural Network model in INPH: a preliminary analysis

Mento C., Germanò A., Sindorio C., Abbritti R., Gitto L., Massini G., Buscema PM., and Quattropiani MC. (Italy)

340 Neuroglobin is a biomarker in severe traumatic brain injury induced intracranial hypertension

Changqing Sun (China)

341 Increased plasma 8-iso-Prostaglandin F2¹ concentration in severe human traumatic brain injury

Xin Yu, Guo-Feng Yu, Yuan-Qing Jie, An Wu, Qiang Huang, Wei-Min Dai, Xiao-Feng Fan (China)

BRAMANTE 4

4:30 PM 6:00 PM

OP NO 17

BRAIN TUMORS - GENERAL

CHAIRMEN Samuelle Filea Fajutrao Valles (UK)
Yuan Fang (China)

Key Note Lecture

Information-guided surgery using intraoperative MRI and functional mapping for Gliomas

Muragaki Yoshihiro (Japan)

342 The surgical strategy of management for solid heman-gioblastomas involved medulla oblongata

Yuan Fang, Hui Xuhui (China)

343 Surgical management of posterior fossa metastases: is there time to stop and think?

Geraint Sunderland, Zakaria Rasheed, Jenkinson Michael (UK)

344 Is long term follow up of patients with incidental pineal cysts necessary?

Edward John Nevins (UK)

345 Discovery of incidental metastasis of a breast origin from injury of clivus

Meziani Salim (Algeria)

346 Gliadel wafers in the treatment of glioblastoma multiforme (GBM): a single-centre experience

Fajutrao Valles, Samuelle Filea (UK)

347 Tumors of the posterior cerebral fosse in nouakchott (About 10 cases)

Ahmed El Moctar Eleitt (Mauritania)

348 Different strategies in the management of thalamic space occupying lesions

Fayed Ahmed, Abdelaziz Sabry Fayed (Egypt)

349 To identify the factors causing difference of opinion in diagnosing brain tumors by radiologist, neurosurgeon with respect to final histopathology

Mallah Fahmida (Pakistan)

BRAMANTE 5

4:30 PM 6:00 PM

OP NO 18

BRAIN TUMORS - GENERAL

CHAIRMEN Reza Ghadirpour (Italy)
Francesco Zenga (Italy)

Key Note Lecture

Detection of p53 mutations in proliferating vascular cells in glioblastoma multiforme

Takeshima Hideo (Japan)

350 Endoscopic supraorbital eyebrow approach for the surgical treatment of extra-axial and intra-axial tumors

Roberto Gazzeri, Nishiyama Yuya, Teo Charles (Italy)

351 Minimally invasive, 3D-HD endoscope assisted subfrontal route to the mesial temporal region. An anatomical and clinical study

Spena Giannantonio, Panciani Pierpaolo, Costi Emanuele, Nicolosi Federico, Fratianni Alessia, Esposito Giacomo, Fontanella Marco (Italy)

352 Surgical management of the superior sagittal sinus following tumor invasion: our experience and review of the literature

Grasso Giovanni, Giugno Antonella, Maugeri Rosario, Guli Carlo, Graziano Francesca, Basile Luigi, Iacopino Domenico (Italy)

353 Brain tumors in patient under the age of 1 year

Habibi Zohreh, Nejat Farideh, Hanaei Sara, Moradi Ehsan (Iran)

354 Prognostic value of MGMT promoter status in non-resectable glioblastoma after adjuvant therapy

Iaccarino Corrado, Orlandi Elena, Ruggeri Francesco, Nicoli Davide, Torricelli Federica, Maggi Massimo, Cerasti Davide, Pisanello Anna, Pedrazzi Giuseppe, Froio Elisabetta, Crafa Pellegrino, D'Abbiero Nunzia, Michiara Maria, Ghadirpour Reza, Servadei Franco (Italy)

355 The role of surgery as the part of multimodal treatment of bilateral gliomas - our experiences

Ilic Rosanda, Milicevic Mihailo, Cvrkota Irena, Piscevic Ivan, Bogosavljevic Vojislav, Nikitovic Marina, Milosevic Snezana, Grujicic Danica (Serbia)

356 MicroRNA as a prognostic marker for typing gliomas of human brain and malignancy degree

Vyacheslav Stupak (Russia)

357 The practice of neurosurgery in Edward Francis Small teaching Hospital of Banjul, The Gambia

Jabang John Nute, Thiam Alioune Badara, Thioub Mbaye, Ndiaye Papa Ibrahima, Mbaye Maguette, Sanyang Ousman, Roberts Charles, Nyan Ousman, Manneh alhagie, Jones Ulric, Samateh Ahmadou, Badiane Seydou Boubakar, Sakho Youssoupha (Gambia)

BRAMANTE 6+7

4:30 PM 6:00 PM

OP NO 19

BRAIN TUMORS - GENERAL

CHAIRMEN Carmelo Anile (Italy)
Miran Skrap (Italy)

KEY NOTE LECTURE

Natural history and prognosis of anaplastic gangliogliomas: a retrospective study of 57 cases

Terrier Louis, Zemmoura Ilyess (France)

358 Supratentorial gliomas in eloquent areas: which parameters can predict functional outcomes and extent of resection?

Spena Giannantonio, Panciani Pier Paolo, Costi Emanuele, Nicolosi Federico, Fratianni Alessia, Fontanella Marco (Italy)

359 Chromosomal aberrations in atypical and anaplastic meningiomas: A fluorescence in situ hybridization study

Srinivas Dwarakanath, Sadashiva Nishanth, Santosh Vani, Somanna Sampath, Sugur Harsha (India)

360 Surgical treatment of insular gliomas: a single-Institution experience

Vangelista Tommaso, Gianfrancesco Eleonora, Tola Serena, Morace Roberta, Paolini Sergio, Esposito Vincenzo (Italy)

361 Ependymal enhancement on magnetic resonance imaging for the identification of high grade gliomas

Waqas Muhammad (Pakistan)

362 The treatment and pathological mechanism of multicentric glioma

Yan Yong, Chen Juxiang, Lu Yicheng (China)

363 Vestibular schwannoma surgery using retrosigmoid approach

Yrysov Keneshbek, Eshenkulova Anara (Kyrgyzstan)

364 Papez circuit and adjoining limbic system: Analysis of anatomy by fiber dissection technique and its surgical applications

Shah Abhidha, Goel Atul (India)

BRAMANTE 10

4:30 PM 6:00 PM

OP NV 10

TBD

CHAIRMEN Hiroki Kurita (Japan)
Hiroyuki Nakase (Japan)

KEY NOTE LECTURE

Epilepsy of long-term survivors after spontaneous intracerebral hemorrhage: a population based follow-up study

Tetri Sami, Saloheimo Pertti, Huhtakangas Juha, Salminen Henrik, Juvela Seppo, Hillbom Matti (Finland)

365 Moyamoya disease: experience with direct and indirect revascularization in 133 hemispheres from a non-endemic region

Sadashiva Nishanth, Shukla Dhaval, Pandey Paritosh (India)

366 Potential complications after direct revascularization surgery for moyamoya disease: A novel entity of vasogenic edema without cerebral hyperperfusion

Sakata Hiroyuki, Fujimura Miki, Mugikura Shunji, Sato Kenichi, Tominaga Teiji (Japan)

367 Selective approach for carotid endarterectomy techniques: neurosurgical experience

Usachev Dmitri, Lukshin Vasily, Shmigelsky Alexander, Pronin Igor, Belyaev Artem, Ahmedov Ayaz (Russia)

368 Mechanical thrombectomy combined with intravenous thrombolytic versus systemic anticoagulant therapy for cerebral venous sinus thrombosis

Wang Qiujing (China)

369 Individualized EC-IC revascularization in the treatment of advanced Moyamoya Disease: surgical techniques and mid-term follow-up results

Xu Bin, Liao Yujun (China)

370 The treatment of intracranial ruptured microaneurysms

Xiaoliang Wang (China)

371 The influence of different surgical timing on outcome of patients with aneurysmal subarachnoid hemorrhage and the surgical techniques during early surgery for intracranial aneurysms

Guosheng Zhou (China)



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BRAMANTE 8+9

4:30 PM 6:00 PM

OP NV 9

TBD

CHAIRMEN Xiaoliang Wang (China)
Guosheng Zhou (China)

KEY NOTE LECTURE

Brain AVM surgery without embolisation

Morgan Michael Kerin (Australia)

372 Cerebral hemodynamic disturbance in dural arteriovenous fistula with retrograde leptomeningeal venous drainage: a prospective study with 123I-iodoamphetamine single photon emission computed tomography

Kanemaru Kazuya, Yoshioka Hideyuki, Hashimoto Koji, Wakai Takuma, Fukumoto Yuichiro, Murayama Hiroaki, Yagi Takashi, Kinouchi Hiroyuki (Japan)

373 Current technique for AVM surgery in hybrid OR: operative nuances

Kurita Hiroki, Kikkawa Yuichiro, Ikada Toshiki, Takeda Ririko, Ooigawa Hidetoshi, Yamaguchi Yohei, Ishihara Shoichiro (Japan)

374 Contemporary treatment of intracranial dural arteriovenous fistulas (davs): toward zero mortality and morbidity?

Lanzino Giuseppe, Petr Ondra, Daniels David, Link Michael (USA)

375 Therapeutic strategy for Deep-seated AVMs

Nakase Hiroyuki, Nakagawa Ichiro, Nishimura Fumihiko, Hironaka Yasuo, Shin Yasushi, Motoyama Yasushi, Park Young-Su (Japan)

376 Spinal dural arteriovenous fistulas: intraoperative neurophysiological and microvascular doppler monitoring

Nasi Davide, Ghadirpour Reza, Romano Antonio, Iaccarino Corrado, Farneti Marco, Sabadini Rossella, Motti Luisa, Maida Giuseppe, Padovani Roberto, Servadei Franco (Italy)

377 Diagnosis and treatment of intracranial dural arteriovenous fistulas: a 10 years single-center experience

Signorelli Francesco, Della Pepa Giuseppe Maria, Albanese Alessio, Sabatino Giovanni, Puca Alfredo, Sturiale Carmelo Lucio, La Rocca Giuseppe, Fernandez Eduardo, Marchese Enrico (Italy)

378 Ruptured cerebral AVMs associated with pseudoaneurysms: does selective embolisation have a protective role against rebleeding?

Signorelli Francesco, Gory Benjamin, Pelissou-Guyotat Isabelle, Guyotat Jacques, Turjman Francis (Italy)

379 Individualized ec-ic revascularization in the treatment of advanced moyamoya disease: surgical techniques and mid-term follow-up results

Bin Xu, Yujun Liao, Yuxiang Gu, Ying Mao (China)

BRAMANTE 11

4:30 PM 6:00 PM

OP PE 4

TBD

CHAIRMEN Elena D'Avella (Italy)
Peng Zhao (China)

KEY NOTE LECTURE

Endoscopic Approach To Intraventricular Lesions

Delitala Alberto, Russo Natale, Brunori Andrea (Italy)

380 Extracapsular dissection as auxiliary surgical strategy in dealing with large and firm pituitary macroadenoma a marvelous surgical maneuver empowered by endoscopic endonasal transsphenoidal approach

Sharifi Guive, Alghasi Mohsen, Asghari Masud, Rezaei Omidvar (Iran)

381 Revisiting from the endoscopic endonasal route an old technique of petrous internal carotid artery proximal control. Anatomic study

D'Avella Elena, Enseñat Joaquim, Prats-Galino Alberto, De Notaris Matteo, Cappelletti Martina, Delfini Roberto, Ruggeri Andrea (Italy)

382 Endoscopic endonasal trans-lacerum approach to the inferior petrous apex

Taniguchi Masaaki, Akutsu Nobuyuki, Mizukawa Katsu, Kohta Masaaki, Kimura Hidehito, Kohmura Eiji (Japan)

383 Neuroendoscope-assisted evacuation of spontaneous intracerebral haematomas with subcortical, putaminal, thalamic and cerebellar localization

Iliev Bogomil, Enchev Yavor, Kondev Tony, Trendafilov Plamen, Todorova Stephanie (Bulgary)

384 Neuroendoscopic treatment for Tarlov cysts

Jan-Peter Warnke, Angelika Klammer, Lorand Eröss (Germany)

385 Treatment strategy of the intracranial secondly cystic lesions

Miwa Tomoru, Ohira Takayuki, Toda Masahiro, Yoshida Kazunari (Japan)

386 Surgical management of the trigeminal schwannomas: the role of endoscopic endonasal approach

Jun Muto (USA)

387 The effectiveness of neuroendoscopic versus non-neuroendoscopic procedures in the treatment of lateral ventricular cysts: a retrospective medical record review study

Zhao (China)

BRAMANTE 12

4:30 PM 6:00 PM

OP SP 8

TBD

CHAIRMEN Pierpaolo Lunardi (Italy)
Angelo Taborelli (Italy)

KEY NOTE LECTURE

Motion preservation spine surgery: Anterior cervical microforamenotomy

Khan S.I.M Khairun Nabi (Bangladesh)

ORAL PRESENTATIONS SEPTEMBER 11

388 Effect of mono- or bisegmental lordosizing fixation on short-term global and index sagittal balance: a radiographic study
Melloni Ilaria, Gautschi Oliver P., Zona Gianluigi, Schaller Karl, Tessitore Enrico (Italy)

389 Lumbar pedicle cortical bone trajectory screws; a recent modality in osteoporotic spinal fixation procedures: technique and early outcome

Youssef Omar, Azzazi Alaa (Egypt)

390 Less aggressive surgical alternatives in 800 patients with spondylosis: grade I or II osteotomy, interspinous device or both.
Caputi Franco (Italy)

391 The combined use of expandable pedicle screw with interbody cage through xlf approach, for the surgical treatment of lumbar spondylolisthesis spinal disease, in osteoporotic patients

Roberto Raffaelino, Cacciotti Guglielmo, Carpineta Ettore, Caputi Franco, Tonelli Maria Pia, Mastronardi Luciano (Italy)

392 The surgical treatment of postoperative spondylolisthesis

Saidov Sokhib (Uzbekistan)

393 Clinical outcome of percutaneous pedicle screw fixation without additional fusion for lumbar degenerative disease. Radiological patterns of satisfactory results after a minimum of 3-year follow-up

Panagiotopoulos Konstantinos, Agrillo Umberto, Puzzilli Fabrizio (Italy)

394 Dreal: Inside-out decompression using a new curved bone removal tool

Ashkenazi Ely (Israel)

BRAMANTE 14

4:30 PM 6:00 PM

OP NT 6

TBD

CHAIRMEN Xiang Mao (Germany)
Kadhaya David Muballe (South Africa)

KEY NOTE LECTURE

The treatment of the elderly with acute traumatic supratentorial intracranial hematoma: a single-center experience

Wang Sheng, Wan Xueyan, Liu Shengwen, Zhang Suojun, Shu Kai, Lei Ting (China)

395 Decompressive craniectomy for severe traumatic brain injury patients with fixed dilated pupils

Mao Xiang, Hao Shuyu, Cheng Hongwei, Zhang Xiaodong, Liu Baiyun (Germany)

396 Neurological findings in pediatric penetrating head injury: a 23 year retrospective study-1983-2007 at a University Teaching Hospital in Durban South Africa

Muballe Kadhaya David, Hardcastle Timothy, Kiratu Erastus, Longo-Mbenza Benjamin (South Africa)

397 Outcome of traumatic brain injury in elderly population: An Indian perspective

Prasad G Lakshmi, Menon Girish (India)

398 Risk factors associated with expansion of traumatic cerebral contusion/Hematoma on 2nd CT scan and their outcome
Qureshi Pirasadaziz (Pakistan)

399 Serum biomarkers as predictor of long term outcome in severe traumatic brain injury: Analysis from a randomized Placebo controlled phase II clinical trial (Factorial design)

Raheja Amol, Sinha Sumit, Samson Neha, Bhoi Sanjeev, Selvi Arul, Sharma Pushpa, Sharma Bhawani (India)

400 Diffuse axonal brain injury: justifiability of decompressive interventions

Sirko Andriy, Pedachenko Eugene, Dzyak Ludmyla (Ukraine)

401 Head injuries in infants and toddlers. Clinical status, neuroimaging, diagnostics, management, follow-up and global outcome

Vlad Ciurea, Dumitru Mohan, Valentin Munteanu, Horatiu Moisa, Ionut Luca-Husti (Romania)

BRAMANTE 15

4:30 PM 6:00 PM

OP EES 3

TRAINING

CHAIRMEN Pasqualino De Marinis (Italy)
Uwe Spetzger (Germany)

KEY NOTE LECTURE

Advanced neurosurgical training: the experience of Naples

De Marinis Pasqualino, Cappabianca Paolo, Cozzolino Santolo, Gangemi Michelangelo, Ducati Alessandro (Italy)

402 eREQAS (Electronic resident evaluation & quality assessment system) - A new way to evaluate improve Neurosurgery residency programs

Agrawal Deepak (India)

403 Analysis on surgical timing for ruptured anterior circulation aneurysms

Zhang Shu-Heng (China)

404 Fresh Cadaver Excercise With „life like” Tumor Pathology

Csókay András, Forró Péter (Ungheria)

405 Case reports, case series and descriptive cohort studies in neurosurgery: sample size confusion & misclassification, and proposed solutions

Esene Ignatius, Fakhr Alaa, Dechambenoit Gilbert, ElHusseiny Hossam, Kalangu Kazadi (Egitto)

406 Microsurgical performance under stress: a neurotouch® - simulator study

Micko Alexander, Wolfsberger Stefan, Knopp Karoline, Neubauer André, Knosp Engelbert (Austria)

407 Combining mr tractography with klingler's fiber dissection and brain plastination techniques to create 3-d models for neurosciences teaching

Oliveira Edson, Neto Lia, Campos Alexandre, Lavrador José Pedro, Roquette Rodrigo, Cavaco João, Henriques Pedro, Gonçalves-Ferreira António (Portugal)

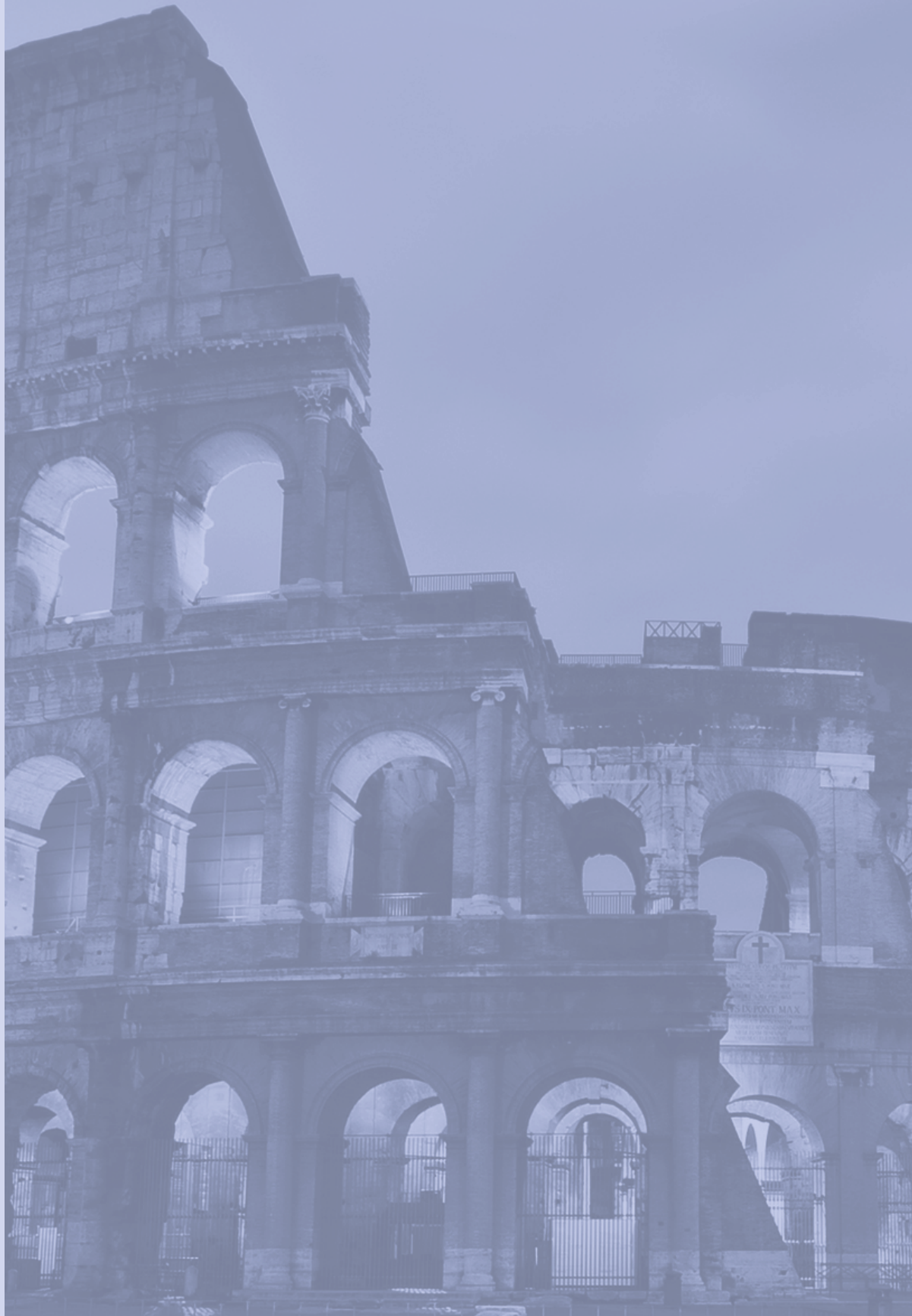
408 Enhanced training models for vascular microsurgery

Spetzger Uwe (Germany)

409 Development of a cost effective, biodegradable Endoscopic Third Ventriculostomy (ETV) training model

Teegala Ramesh (India)

DIGITAL POSTERS





DIGITAL POSTERS

P0001 An audit for the assesment of nutritional status in neurosurgery patients

Ahmed Dr Almas, Jayakumar Dr Nithish (UK)

P0003 Disaster response: an opportunity for neurosurgeons to improve global healthcare

Andrews Russell, Quintana Leonidas (USA)

P0004 The comparison of the average age of parents with Scl-90 general index according to socio-demographic data form

Canaz Huseyin Alatas Ibrahim, Pehlivan Merve, Kazak Dostcan, Calin Sena, Kacmaz Belgu, Yazici Banu (Turkey)

P0005 A new design of shape memory alloy NiTi ring for suturing in deep surgical field: the self-knotting suture

Dallolio William (Italy)

P0006 Does statin really have effect on preventing VTE in hemorrhagic stroke during acute period?

Park Jung Hyun, Kim Hoon, Jo Kwang Wook (South Korea)

P0007 Intracranial tuberculomas ;diagnosis and management

Abdeen Khaled (Egypt)

P0008 Spinal cord schistosomiasis: diagnosis, pathological features and treatment

Abdeen Khaled (Egypt)

P0009 Correlation between the concentration of lactate in peripheral blood, concentration of lactate in cerebrospinal fluid, and the glasgow outcome scale of patients with acute tuberculosis hydrocephalus

Arief Gusman (Indonesia)

P0010 Cervical spine tuberculosis: a rare subtype warranting much attention

Ben Nsir Atef, Darmoul Mehdi, Mahfoudh Mouroug, Gannouni Chokri, Hattab Nejib (Tunisia)

P0011 Rupture of a spinal extradural hydatid cyst: an unprecedented cause of paraplegia following epidural anesthesia

Ben Nsir Atef, kilani Mohamed, Ben Arous Sarra, Boughamoura Mohamed, Hattab Nejib (Tunisia)

P0012 Cranio-vertebral junction instability like extension of cocaine-induced midline destructive lesions. A new challenge

Brembilla Carlo, Lanterna Luigi Andrea, Resmini Bruno, Sicignano Mirco, Moretti Elena, Signorelli Antonio, Bernucci Claudio (Italy)

P0013 Image guided transoral biopsy in a child with Grisel's syndrome

Di Cola Francesco, Murrone Domenico, Millimaggi Daniele, Di Norcia Valerio, Galzio Renato (Italy)

P0014 Cervical Pott's Diseases: A clinical analysis of patients who underwent surgery

Djoubairou Ben Ousmanou, Karekezi Claire, El Fatemi Nizare, Gana Rachid, Maaqili MY Rachid, El Abbadi Najia (Morocco)

P0015 Primary miliary brain tuberculomas

Djoubairou Ben Ousmanou, Gazzaz Miloudi, Bouya Soueilem Mohamed, Salami Mohcine, Bourazza Ahmed, El Mostarchid Brahim (Morocco)

P0016 Hydatid disease of the spine and spinal cord. A report of 16 cases

Ghannane Houssine, Aniba Khalid, Banantar Lamia, Ait Benali Said (Morocco)

P0017 Cerebral abscess occurring in the setting of pulmonary arterio-venous malformation in a south african young female

Jilata Ncumisa Lihle (South Africa)

P0018 Tubercular abcess mimicking a unique metastatic cerebellar lesion

M. Bougrine, C. Karekezi, K.Egu, N. El fatemi, R. Gana, M.R. Maaqili, N. El abbadi (Ruanda)

P0019 The fatal case of development of the esophageal fistula and break away plate because of the delayed postoperative spinal infection after cervical cord injury – case report

Kim Junghee, Kang Dongsoo, Song Kwanyoung, Son Jinsung, Sung Sanghyun (South Korea)

P0020 Clinical outcome of neurocritical care patients complicated by nosocomial meningitis or ventriculitis: an 11-year retrospective study

Li Zhiqi, Wu Xing, Yu Jian, Wu Xuehai, Du Zhuoying, Sun Yirui, Yuan Qiang, Hu Jin, Mao Ying, Zhou Liangfu (China)

P0021 Third-generation cephalosporins as antibiotic prophylaxis in neurosurgery: What's the evidence?

Liu Weiming, Neidert Marian, Groen Rob, Woernle Christoph, Grundmann Hajo (China)

P0022 Effect of closed continuous lumbar drainage on treatment of postoperative intracranial infection: a retrospective analysis of 2127 cases

Liu xuesong, You chao, Zhang yuekang (China)

P0023 The role of endoscopy in the treatment of post-neurosurgical ventriculitis

Luongo Marianna, Annecchiarico Henry, Di Biase Francesco, Limongelli Sebastiano, Godano Umberto (Italy)

P0024 Fundamental surgical technique and histological assessment for cranioplasty in hydroxyapatite cranial reconstruction

Ono Hajime (Japan)

P0025 Variant of Lemierre's Syndrome

Poulgrain Kate, Hunn Andrew (Australia)

P0026 New classification- tb spine- and improving surgical outcome

Sharif Salman, Iqbal Noorul Ain, Saghir Amer Sagheer (Pakistan)

P0027 Outcomes of severe infantile ventriculitis

Thiong'O Grace Muthoni, Albright A. Leland (Kenya)

P0028 CT guided biopsy for potts disease; an institutional experience from an endemic developing country

Waqas Muhammad, Bari Muhammad (Pakistan)

P0029 Surgical results in patients with spinal tuberculosis: a retrospective study of 63 patients

Youssef Sogoba, Drissa Kanikomo, Yousseoufa Maiga, Hamadassaliha Agaly (Mali)

P0030 My first seven semesters of residency in neurosurgery with pr el azhari at chu ibn rochd of casablanca

Ahanogbe Kodjo Mensah Hobli (Morocco)

P0031 Virtual positioning, craniotomy and clipping simulation and its applications in reducing intraoperative time

Carrasco Edgar M., Añez Duran Jose David (Bolivia)

P0032 Objective evaluation of education and training in neurosurgery: promising results from the Indian neurosurgical School

Certo Francesco, Suri Ashish, Barbagallo Giuseppe (Italy)

P0033 The 2003 resident duty-hour reform impact on patient outcomes of central nervous system incision and excision procedures

Churnin Ian, Carr Kevin, Michalek Joel, Flynn John, Seifi Ali (USA)

P0034 A new cranial perforator (Trivellum) to avoid plunging' during burr hole craniostomy: an underestimated problem amongst neurosurgeons.

Dallolio William (Italy)

P0035 How to avoid the blemish after craniotomy: prosthesis custom made "shimmed", for the aesthetic correction, with the aid of molds SKULLPTURAS. Similarly we propose the closure of the burr holes

Dallolio Villiam (Italy)

P0036 Surgical simulation is an ethical imperative: 3d anatomical models for neurosurgical planning, training, teaching, informed consent

Dallolio Villiam (Italy)

P0037 Misclassification of research methods and misuse of statistics in neurosurgery

Esene Ignatius, Fakhr Alaa, Dechambenoit Gilbert, ElHusseiny Hossam, Kalangu Kazadi (Egypt)

P0038 A new teaching and assessment tool for improving patient safety and competence in intrathecal antibiotic administration

Gallagher Mathew Joseph, Cruickshank James A, Kewin Sara, McMahon Catherine J (UK)

P0039 Cranioplasty for sinking skin flap syndrome

Glumm Jana, Hagemann Georg, Kiwit Jürgen (Germany)

P0040 The transcallosum anterior interfonticeal approach: a microsurgical anatomy study

Grasso Giovanni, Graziano Francesca, Maugeri Rosario, Basile Luigi, Giugno Antonella, Guli Carlo, Iacopino Domenico (Italy)

P0041 Comparative analysis about efficacy, security and manageability of gelified hemostatic matrix in bleeding control during thoracic and lumbar spine surgery: Floseal vs Surgiflo

Gregori Fabrizio, Landi Alessandro, Marotta Nicola, Delfini Roberto (Italy)

P0042 Orbitozygomatic craniotomy with modified Zabramski's technique.

Kodera Toshiaki, Higashino Yoshifumi, Hashimoto Norichika, Arishima Hidetaka, Kitai Ryuhei, Kikuta Ken-ichiro, Iino Satoshi (Japan)

P0043 Barriers to high quality RCTs in neurosurgery: alternative strategies are necessary when RCTs are simply not feasible

Mansouri Alireza, Cooper Benjamin, Shin Samuel, Kondziolka Douglas (Canada)

P0044 Cambodia neurosurgery support project

PARK Kee B. (Cambodia)

P0045 History of neurosurgery in democratic people's Republic of Korea

PARK Kee B. (Cambodia)

P0046 Neurosurgical Bootcamp - Preparing the juniors

Poulgrain Kate, Hunn Andrew (Australia)

P0047 The microsurgical anatomy of the gyrus rectus area and its neurosurgical implications

Ramos Girón Jaime Alejandro, Chaddad-Neto Feres, De oliveira Evandro (Colombia)

P0048 Neurosurgical skills assessment: measuring technical proficiency in neurosurgery residents through intraoperative video evaluations

Sarkiss Christopher A., Philemond Steven, Lee James, Sobotka Stanislaw, Holloway Terrell D., Moore Maximilian, Costa Anthony, Gordon Errol L., Bederson Joshua B. (USA)

P0049 The Key Burr hole - Historical vignette or contemporarily relevant ?

Vilanilam George, Abraham Mathew, Kumar K Krishna, Nair Suresh (India)

P0050 Brain morphometric study in the brazilian population - a human cadaver study.

Vitorino Araujo João Luiz, Figueiredo Eberval Gadelha, Veiga José Carlos Esteves, Tzu Wen Hung, Andrade Almir Ferreira de, Otoch José Pinhata, Ferraz Vinicius Ricieri, Guirado Vinicius Monteiro de Paula, Teixeira Manoel Jacobsen, Preul Mark, Spetzler Robert (USA)

P0051 Clinical investigation of hospital infections in neurosurgical intensive care unit

Li Chen (China)

P0052 Occipitocervical decompression and duroplasty outcome in Chiari malformation type I

Abdelwahab Osama (Egypt)

P0053 Surgical management of chiari malformation type one in adults

Ali Ehab, Kersh Ahmed (Egypt)

P0054 Surgical treatment of chiari malformation type 1 with progression: a case report

Aslan Ayfer, Demirci Harun, Borcek Alp Ozgun, Emmez Hakan (Turkey)

P0055 Shprintzen-Goldberg syndrome. Case report and review of the literature

Fustero de Miguel David, Orduna Martinez Javier, Hinojosa Bernal-Mena Jose, Casado Pellejero Juan, Moles Herbera Jesus (Spain)

P0056 Posterior fossa decompression with tonsillectomy in 104 cases of craniovertebral malformations

Junior Adailton, de Oliveira Evandro, Guimaraes Jaquisson, Chaddad Feres, Reghin Mateus, Almeida Joao, Arruda Monica, Duarte Samuel, Vieira Luiz (Brazil)

P0057 Clinical outcomes in patients with chiari I malformation: a retrospective analyses of 39 cases

Kizmazoglu Ceren Kaya Ismail, Sucu Hasan Kamil, Yüceer Nurullah (Turkey)

P0058 Chiari I Malformation with and without Basilar Invagination

Klekamp Jörg (Germany)

P0059 A clinical difference between more than 3 mm and 5 mm tonsillar herniation in Chiari malformations type 1

Murakami Tomohiro, Inoue Michio, Inoue Shuko, Matsumura Shigeaki (Japan)

P0060 A rare complication of foramen magnum decompression surgery for Chiari type I malformation

Prasad G Lakshmi, Menon Girish (India)

P0061 Co-occurrence of a craniosynostosis, a Chiari malformation and a neural tube defect: Simple coincidence or a more specific syndrome

Zemmali Maroua, Ben Nsir Atef, Kilani Mohamed, Gannouni Chokri, Darmoul mehdi, Boughamoua Mohamed, Hattab Nejib (Tunisia)

P0062 Minicraniotomy for standard temporal lobectomy: a minimally invasive surgical approach

Alotaibi Faisal, Albloushi M, Baesa Saleh (Saudi Arabia)

P0063 VNS therapy in the management of refractory epilepsy

Gorgan Mircea, Brehar Felix (Romania)

P0064 The detection of epileptogenic lesion by 11C-Methionine PET in the epileptic patient with multiple and broad brain lesions

Hanaya Ryosuke, Otsubo Toshiaki, Kashida Yumi, Hosoyama Hiroshi, Maruyama Shinsuke, Sugata Sei, Iida Koji, Nakamura Katsumi, Fujimoto Toshiro, Arita Kazunori (Japan)

P0065 Long-term outcome of resective surgeries in children with intractable epilepsy who were followed up for more than 10 years

Hosoyama Hiroshi, Matsuda Kazumi, Mihara Tadahiro, Baba Koichi, Usui Naotaka, Tottori Takayasu, Inoue Yushi, Kashida Yumi, Hanaya Ryosuke, Arita Kazunori (Japan)

P0066 Callosotomy in the treatment of symptomatic drug-resistant epilepsy in children: our initial experience

Kostiantyn Kostyuk, Tsybaliuk Vitaliy, Cheburakhin Valeriy, Shevelov Maksym, Medvedev Yurii, Popov Andrii, Dichko Sergiy, Kanaykin Oleksiy (Ukraine)



P0067 Efficacy and safety of lorazepam versus diazepam for pediatric status epilepticus: a meta-analysis

Lin Chao, Ji Jing, Liu Ning (China)

P0068 Temporal lobe epilepsy patients with not lateralizing scalp-EEG ictal onset underwent intracranial investigation: electro-clinical findings and surgical outcome

Mascia Addolorata, Quarato Pier Paolo, D'Aniello Alfredo, Grammaldo Liliana, De Risi Marco, Casciato Sara, Morace Roberta, Esposito Vincenzo, Di Gennaro Giancarlo (Italy)

P0069 Surgery after invasive Video-EEG recording in drug-resistant focal epilepsy: seizure outcomes and complications

Morace Roberta, Di Gennaro Giancarlo, Quarato Pier Paolo, Mascia Addolorata, D'Aniello Alfredo, Grammaldo Liliana, De Risi Marco, Paolini Sergio, Esposito Vincenzo (Italy)

P0070 Dynamic preictal imbalance between spike-related high-frequency oscillations and post-spike slow waves in focal epilepsy: a new potential biomarker for epilepsy surgery

Sato Yosuke, Doesburg Sam, Wong Simeon, Ochi Ayako, Otsubo Hiroshi (Germany)

P0071 Amygdalo-Hippocampectomy for refractory mesial temporal lobe epilepsy: presentation of our experience and literature review

Zemmali Maroua, Ben Nsir Atef, Mahfoudh Mourouj, Kilani Mohamed, Boughamoura Mohamed, Hattab Nejib (Tunisia)

P0072 Scheduled two-step implantations of intracranial electrodes during the same admission to enhance seizure focus localization for intractable epilepsy

Zhang Hua (China)

P0073 An artificial neural network model in inph: a preliminary analysis

Abbritti Rosaria Viola, Mento Carmela, Antonino Germanò, Sindorio Carmela, Gitto Lara, Massini Giulia, Buscema Paolo Massimo, Quattropani Maria Catena (Italy)

P0074 Bilateral ventriculo-subgaleal drain in intraventricular hemorrhage; analysis of infection rate

Abdallah Ahmed, Soliman Wessam (Egypt)

P0075 hydrocephalus of the 4th ventricle "a case report" Object: Hydrocephalus of the forth ventricle is rarely located in the infratentorial area. I report a

Abdellah Izri (Algeria)

P0076 Endoscopic third ventriculostomy(etv) in infants ,is it contraindicated?

Alaghory Islam, Behiery Hamdy, Ellabbad Mohammed (Egypt)

P0077 Evaluation of management of pseudomeningoceles in supra tentorial dural synthetic graft

Aminath Bariath Phuong-Tam Kelani, Samuila Sanoussi, Seydou Boubakar Badiane, Pierre Kehrl, Daniel Maitrot (Niger)

P0078 Normal Pressure Hydrocephalus - Evidence the Pressure is Not Normal: 57 Patients Undergoing Lumboperitoneal Shunt

Andrews Russell (USA)

P0079 The importance sing to treatment of cerebellar infarctions; a case report

Aydin Hasan Emre, Algin Demet Ilhan (Turkey)

P0080 Surgical and medical treatment for normal pressure hydrocephalus associated with parkinsonism

Broggi Morgan, Tringali Giovanni, Romito Luigi, Redaelli Veronica, Tagliavini Fabrizio, Filippini Graziella, Acerbi Francesco, Broggi Giovanni, Franzini Angelo (Italy)

P0081 Indications and outcomes of ventriculoatrial shunts in adults: a single centre experience

Eadsforth Thomas, Nadig Adarsh, Pathmanaban Omar, Thorne John (UK)

P0082 The need for CSF diversion in spontaneous intracerebellar hemorrhage with hydrocephalus

El Halaby Walid (Egypt)

P0083 Pitfalls, complications and problem solving session: posterior fossa tumors and hydrocephalus

Elhakim Adel (Egypt)

P0084 Galen and cerebrospinal fluid: The pneuma and the origin of the soul

Gauden Andrew (New Zeland)

P0085 Idiopathic normal pressure hydrocephalus: a retrospective clinical analysis

Grasso Giovanni, Giugno Antonella, Maugeri Rosario, Guli Carlo, Basile Luigi, Graziano Francesca, Iacopino Domenico (Italy)

P0086 CSF cyst of the female breast due to a broken ventriculoperitoneal shunt

Güven Goksel (Turkey)

P0087 The clinical assessment of progressive hydrocephalus in patients with myelomeningocele

Higa Nayuta, Oyoshi Tatsuki, Tomosugi Tetsuzo, Yamashita Mami, Fujio Shingo, Bohara Manoj, Tokimura Hiroshi, Arita Kazunori (Japan)

P0088 Bi portal endoscopic management of complex hydrocephalus

Kassem Mohamed Ali Egypt

P0089 External ventricular drainage versus ventriculosubgaleal shunt in management of post-hemorrhagic hydrocephalus

Ahmed Kamel AbdelWahed Ahmed, A. Hafez Ramadan Mohamed (Egypt)

P0090 Children's Hydrocephalus

Karim Boustil, Farid Bouchenaki, Nouha Hamrouch, Mohamed Safouane Ben Achour (Algeria)

P0091 Lumboperitoneal shunt versus optic sheath fenestration in management of pseudotumor cerebri

Kersh Ahmed, Elgendy Hanan (Egypt)

P0092 Intraventricular migration of total shunt system - experience of two consecutive cases

Khan Anisul Islam (Bangladesh)

P0094 Post-traumatic hydrocephalus: diagnosis, indications for surgery and long-term outcomes

Kravchouk Alexander, Likhberman Leonid, Latyshev Yaroslav, Zaitsev Oleg, Zakharova Natalia, Abuzaid Salekh, Potapov Alexander

P0095 Cerebrospinal fluid hydrodynamic disturbances in patients undergoing decompressive craniectomy for the management of epidural hematoma or infarction

Lin Chao, Ji Jing, Liu Ning (China)

P0096 Retrocerebellar arachnoid cyst resulting in syringomyelia in a patient without tonsillar herniation: Successful surgical treatment with reconstruction of CSF flow in the foramen magnum region

Liyong Sun, Fengzeng Jian, Zan Chen (China)

P0097 Tip and Trick of Surgical Procedure in V-p Shunt and ETV

Maliawan Sri (Indonesia)

P0098 The british antibiotic and silver impregnated catheters for ventriculoperitoneal shunts multi-centre randomised controlled trial (the basics trial) - progress update

Mallucci Conor, Gamble C, Hartley John, Hickey H, Hughes D, Blundell M, Griffiths Mj, Solomon Tom, Conroy Beth, Jenkinson Michael

P0099 Long term outcome in ventriculoperitoneal shunted hydrocephalic Infants.

Mashhadinezhad Hossein, Mashhadinezhad Ali, Mashhadinezhad Sara, Shahbazi Mohebb seraj Majid (Iran)

P0100 Quantitative analysis of CSF pressure gradients in healthy volunteers and patients with normal pressure hydrocephalus
 Matsumae Mitsunori, Hayashi Naokazu, Hirayama Akihiro (Japan)

P0101 Cranial expansion for shunt-induced craniostenosis. case report

Mohan Niles, Albright Leland (Kenya)

P0102 Impact of cerebrospinal fluid shunting for idiopathic normal pressure hydrocephalus on the amyloid cascade

Moriya Masao, Miyajima Masakazu, Ogino Ikuko, Nakajima Madoka, Arai Hajime (Japan)

P0103 Spontaneous extrusion of ventriculo-peritoneal shunt catheter through the right lumbar region: a case report

Oktay Kadir, Erkoc Yavuz Selim, Ethemoglu Kadri Burak, Olguner Semih Kivanc (Turkey)

P0104 Retrograde ventriculo-sinus shunt: preliminary experience in myelomeningocele patients

Oliveira Matheus, Pinto Fernando, Matushita Hamilton, Oliveira Marcelo, Shu Edson, Teixeira Manoel (Brazil)

P0105 Normal pressure hydrocephalus. Long-term outcome in a series treated with programmable ventriculo-peritoneal shunt

Parziale Giuseppe, Carnevale Antonio, Faiola Andrea, Di Battista Giancarlo, Tonelli Maria Pia, Mastronardi Luciano (Italy)

P0106 Normal pressure hydrocephalus : the value of the lumbar infusion test for the diagnosis and treatment

Petrella Gianpaolo (Italy)

P0107 The usefulness of infusion test to evaluate the proper function of the shunt in patient with normal pressure hydrocephalus

Petrella Gianpaolo, Mariella Aloisi, Franco Carmine, Lecce Mario, Piragine Genoveffa, Rasile Fabrizio, Savino Stefano (Italy)

P0108 Morphological changes of brain tissue in infants after shunt operations

Protsenko Ivan, Marushchenko Leonid (Ukraine)

P0109 Construction and in vitro testing of a cellulose dura mater graft

Rasmussen Jorge, Goldschmidt Ezequiel, Cacedo Maximiliano, Kornfeld Sebastián, Valinoti Marina, Ielpi Marcelo, Ajler Pablo, Yampolsky Claudio, Argibay Pablo (Argentina)

P0110 Endoscopic third ventriculostomy for hydrocephalus in adults

Safta Radu, Sibgatullina Dina (Moldavia)

P0112 LP shunt for INPH patients: surgical technique and complications. Retrospective review of 243 cases

Samejima Naoyuki, Kuwana Nobmasa, Watanabe Akira, Seki Yojiro (Japan)

P0113 Preoperative and intraoperative characteristics in hydrocephalus patient that related with the success of endoscopic third ventriculostomy

Sobana Mirna, Satyawardhana Eka Budhi, Sidabutar Roland, Adam Achmad (Indonesia)

P0114 Spontaneous resolution of temporo-frontal arachnoid cyst in a child

Song Shi Hun, Koh Hyeon Song, Kwon Hyon Jo, Kim Seon Hwan, Youm Jin Young, Choi Seung Won (South Korea)

P0115 Intracranial venous anatomy and benign pericerebral collections in infants

Spennato Pietro, Di Martino Giuliana, Nastro Anna, Aliberti Ferdinando, Cinalli Giuseppe (Italy)

P0116 Pediatric intracranial arachnoid cysts an experience of 317 cases clinical status, neuroimaging, management, results and global outcome

Vlad Ciurea, Dan Nica, Aurel Mohan, Horatiu Moisa (Romania)

P0117 Neonatal benign intra-cranial cysts ventricular-subarachnoid stenting

Volkodav Oleg, Zinchenko Sveta (Russia)

P0118 Neonatal intracerebral hemorrhages ventricular-subarachnoid stenting

Volkodav Oleg, Zinchenko Sveta (Russia)

P0119 Neonatal posthemorrhagic hydrocephalus ventricular-subarachnoid stenting

Volkodav Oleg, Zinchenko Sveta (Russia)

P0120 Long-term outcomes of endoscopic third ventriculostomy in adults

Waqar Mueez, Ellenbogen Jonathan R, Mallucci Conor, Jenkinson Michael D (UK)

P0121 For the establishing of criteria in prenatal diagnosis of intractable fetal brain malformation

Yamasaki Mami (Japan)

P0122 Post-shunt craniostomosis: Presentation of our experience and literature review.

Zemmal Maroua, Ben Nsir Atef, Khalfaoui Souhaïel, Gannouni Chokri, Kilani Mohamed, Boughamora Mohamed, Hattab Nejib (Tunisia)

P0123 Binostril endoscopic trans-sphenoidal approach for pituitary adenomas

Abo Rahma Hesham (Egypt)

P0124 Laparoscopic assisted positioning of peritoneal end for v-p shunt and lp shunt

Akeel Aljadhari Saleh (Saudi Arabia)

P0125 Factors influencing the extent of resection in endoscopic endonasal surgery for clival chordomas

Bai Jiwei, Gui Songbai, Li Chuzhong, Zhao Peng, Zhang Yazhuo (China)

P0126 Endoscopic third ventriculostomy in the semi-sitting position prior to resection of a posterior fossa mass-the homburg funnel

Burkhardt Benedikt Walter, Ramina Montibeller Guilherme, Oertel Joachim, Tschan Christoph (Germany)

P0127 The visualization with EasyGO - HD-endoscopy versus microscopy in spinal surgery.

Is there a difference?

Burkhardt Benedikt Walter, Wilms Melanie, Oertel Joachim (Germany)

P0128 Is there a need to standardize closure techniques in pituitary and skull base endoscopic surgery?

Cappelletti Martina, Fazzolari Benedetta, Giovannetti Filippo, Ruggeri Andrea, Gennaro, Delfini Roberto (Italy)

P0129 The surgical planning in endoscopic surgery of ventricular colloid cysts: experience in twenty cases

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P0196 Abdominal neuroblastoma with solitary presentation as increasing head circumference: case report and literature review

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P0205 Large spontaneous thoraco-lumbar extradural radicular meningocele causing paraparesis in a 17 years-old patient - Surgical Video

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P0206 Currarino Syndrome: different clinical presentations

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P0209 Pediatric spinal epidural tumors- an institutional experience

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P0213 Open spina bifida plastic art in premature newborns

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P0214 Spine bifida,a prospective study

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P0215 Tethered spinal cord associated with sacroccoccygeal eversion, plus a new classification system for human tails

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P0216 Intraoperative monitoring during spina bifida surgery complicated with lipoma

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P0217 Management of patients suffering primary neural tube congenital anomaly with significant reduce of complications

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P0219 Outcome of chronic subdural hematoma patients treated by single burr hole subdural catheter drainage without irrigation

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P0223 Real causes of hyperactive dysfunction syndrome development.

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P0224 Failures and complications of spinal cord stimulation (scs) in the treatment of chronic neuropathic pain: a 20 years experience

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P0226 Clinical features and surgical tactics in patients with trigeminal neuralgia caused by venous compression

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P0227 Use of PTFE (Poly Tetra Floro Ethylene) graft piece as an cheap and safely effective method of seperating the neurovascular conflict in Microvascular Decompression (MVD) for Trigeminal Neuralgia

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P0228 A 17 years successful treatment of painful facial anesthesia by intrathecal Clonidine and Midazolam. Case report

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P0229 Chronic intraventricular baclofen infusion in patients with secondary dystonia

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P0232 Hearing augmentation through electrical stimulating Broadmann 41 area

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P0233 Paramedian supracerebellar infratentorial approach for posterior third ventricular lesions

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P0234 Seizures following low grade glioma surgery: analysis of a single center experience

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P0235 Central nervous system lymphoma in a patient with chronic lymphocytic leukemia: a case report and literature review

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P0236 Surgical management of perisylvian gliomas: Experience of 12 cases

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P0237 Meningioma Consistency: Correlation Between MRI Characteristics, Operative Findings and Histopathological Features

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P0238 Gamma knife radiosurgery and quimotherapy in the primary treatment of Glioblastoma Multiforme. A prospective, observational study

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P0239 Percutaneous retrogasserian balloon compression for the treatment of trigeminal neuralgia in Multiple Sclerosis

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P0241 Surgical approach to parasellar area and III ventricle: anatomical study of the anterior interhemispheric region

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P0242 Neurosurgical management of supratentorial giants meningiomas. Experience of 76 cases

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P0243 Transcranial approach for orbital lesions

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P0245 Cavernous sinus ganglioglioma: case report

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P0246 Pleomorphic xanthoastrocytoma: an atypical astrocytoma

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P0247 Supratentorial extraventricular anaplastic ependymoma in a one-year old baby: Case report

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P0248 Adult occipital pilocytic astrocytoma mimicking cerebral abscess

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P0249 Rosette-forming glioneuronal tumors of infratentorial region: about 3 cases with similar clinical presentation and radiological findings

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P0250 SNAI2 gene expression correlates with tumor grade in cerebral gliomas

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P0251 Adult composite ganglioglioma/dysembryoplastic neuroepithelial tumor: case report

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P0252 Lateral ventricle tumors: surgical strategies according to tumor origin and development: a series of 135 cases

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P0253 Supratentorial cerebral cavernous malformations: clinical, surgical, and genetic involvement

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P0254 Surgical treatment of fourth ventricle hemangioblastomas

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P0255 Histological observation of microcirculation pattern in glioblastoma Running title: a better understanding of glioblastoma vasculature

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P0256 Cavernous haemangioma of the dura mater mimicking meningioma

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P0257 Meningioma associated with acute subdural haematoma: an unusual combination

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P0258 A very late supratentorial metastasis of cerebellar medulloblastoma in adult: Case report and literature review

Derkaoui Hassani Fahd, Karekezi Claire, Egu Komi, El Fatemi Nizare, Gana Rachid, El Maaqili Rachid, El Abbadi Najia (Morocco)

P0259 Pediatric brain tumors: current management and surgical results

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P0260 Surgical Management of large lateral ventricular tumors using transcortical middle frontal gyrus approach. Experience with 16 patients

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P0261 Effective resection of low grade glioma with the aid of neuro navigation and functional MRI

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P0262 En-block resection of analpastic hemangiopericytoma infiltrating the petrous bone, tentorium, venous sinuses & brain. (video case presentation)

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P0263 Csf leaks in extended endoscopic transsphenoidal surgery: covering all the angles

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P0264 Lateral orbital approach for lesions involving the middle fossa

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P0265 Clinical audit of neurosurgical management of patients with cns tumors

Gautam Vinod, Kumar Singh (India)

P0266 Incidence of post-operative thromboembolic events after use of thrombin based hemostatic matrix during intracranial tumor surgery

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P0267 Eradication of GBM cells of the mesenchymal type after induction of D-2 apoptotic-stage and bystander killing-effect with GBM-associated exosome-pulsed autologous DC vaccine (DC-Vex®)

Giannios John (Greece)

P0268 Eradication of GBM stem-cells with immunotargeted-molecular-robotic-nanosurgery (ITMRN) facilitated with radiofrequency dielectric heating (RFDH) utilizing silver-immunonanobots linked with anti-CD133 M

Giannios John (Greece)

P0269 Minimally invasive awake surgery for brain tumours. our experience

Godano Umberto, Di Biase Francesco, Annecchiarico Henry, Luongo Marianna, Coviello Antonio, Latronico Salvatore (Italy)

P0270 Autologous fibrin sealant (Vivostat®) in intracranial surgical procedure

Graziano Francesca, Basile Luigi, Guli Carlo, Maugeri Rosario, Giugno Antonella, Grasso Giovanni, Iacopino Domenico (Italy)

P0271 The role of reoperation as the part of multimodal glioblastoma treatment

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P0272 Olfactory neuroblastoma with intracranial extension: case report and literature review

Maher Hadhri, Kolsi Nawrez, Ben Nsir Atef, Boughamora Mohamed, Koubaa Jamel, Hattab Nejib (Tunisia)

P0273 Mini-invasive surgery over ventricular tumors

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P0274 Foramen magnum meningioma with occipito-c1-2 instability and pancytopenia

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P0276 Neurophysiological identification of craniocerebral nerves during endoscopic endonasal surgery of skull base tumors

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P0277 Surgical treatment of acoustic neuroma

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P0278 Computer-based surgical planning and custom-made titanium implants for cranial fibrous dysplasia

Izci Yusuf, Tehli Ozkan, Daneyemez Mehmet, Temiz Caglar (Turkey)

P0279 Histological analysis of patients with glial brain tumors

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P0379 Exosomes released by Glioma Stem Cells activate astrocytes and induce the acquisition of neural stem-like potential by glial cells

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P0384 Analysis gene expression profiles in the differentiation process of glioma stem cells to endothelial cells

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P0390 Optimization of grading system for intra-axial brain tumors involving eloquent areas

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P0395 Extended adjuvant chemotherapy with temozolomide in newly diagnosed glioblastoma: a retrospective study

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P0396 Combined use of mr spectroscopy and high-field intraoperative mr in image-guided needle biopsy for cerebral gliomas

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P0398 Non-invasive assessment of intracranial meningioma density and vascularity

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P0406 Role of the ferromagnetic dissection for the surgical treatment of meningiomas

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P0408 Surgical classification, management and outcome in a series of 30 tentorial meningiomas

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P0409 Seizures in supratentorial meningioma: Favorable surgical outcomes and association with peritumoral edema

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P0413 Intracranial cystic meningiomas: A rare type of tumours

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P0414 Meningiomas of the cerebral venous sinuses: our experience in an evolving management.

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P0415 Prognostic role of immunohistochemical expression of p63 protein in meningiomas

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P0416 Presence of meningioma stroma mesenchymal stem-like cells

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P0417 The impact of epilepsy on quality of life in patients with benign meningioma

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P0418 The role of adjuvant radiotherapy following surgical resection of atypical meningioma

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P0422 Long-term visual outcome and local control after radiosurgery for 160 sellar and parasellar benign meningiomas.

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P0512 Persistent trigeminal artery: a challenge in pituitary surgery. Cases illustration

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P0513 First case of histologically verified Rathke's cleft cyst remnant treated with Leksell Gamma Knife radiosurgery: case report

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P0516 Role of the method of stereotactic radiosurgery in the tactic of treatment of patients with posterior fossa meningiomas.

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P0520 Malignant transformation of vestibular schwannoma following radiosurgery - is there a case for long-term surveillance?

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P0522 Long term follow up of linear accelerator radiosurgery for vestibular schwannoma: evaluation of 3-D volumetric changes over 10-year treated in a single institution.

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P0523 Gamma knife surgery for tumor-related trigeminal neuralgia: targeting both tumor and trigeminal root exit zone in a single session

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P0524 Radiosurgery for brain metastasis from NSCLC: local tumor control and failure pattern according to the histopathological subtypes

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P0525 Seizure after radiosurgery for the treatment of cerebral AVM

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P0526 Gamma Knife radiosurgery for petroclival meningioma: long-term tumor control and functional outcome

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P0527 Head and neck paragangliomas radiosurgery. Long-term, single Institution experience

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P0528 Multisession stereotactic radiosurgery for benign meningiomas

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P0529 Predictive factors for micrometastases in metastatic brain tumor treated with gamma knife radiosurgery

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P0530 Gamma knife radiosurgery for patient with intracranial capillary hemangioma. Case report

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P0531 Gamma knife radiosurgery for patients with craniopharyngioma: A Multi-institutional retrospective study in Japan (JLGK1303)

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P0532 Minimally invasive surgery with integrated multiple technologies for elderly patients with pituitary adenoma

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P0533 The efficacy analysis of the amount at the end inter hemispheric approach surgery for pituitary tumors in the saddle on the bottom of the third ventricle

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P0534 Sellar floor reconstruction during neural endoscopic single nostril transsphenoidal surgery for pituitary adenomas

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P0535 Endoscope-assisted frontal-lateral ventricular keyhole approach for resection of tumors at the third ventricle

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P0536 Modified Kawase approach for microsurgical removal of middle-upper petroclival tumors

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P0537 Presurgical simulation with 3-dimensional printing in a vascularized petroclival tumor resection using combined petrosal approach by a junior neurosurgeon

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P0539 Application of facial nerve grading system2.0 in analyzing post-operative facial nerve function of vestibular schwannomas

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P0540 Pre-operative identification of cranial nerves near cpa schwannomas using superselective diffusion tensor tractography

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P0548 Skull base solitary plasmacytoma presenting with conductive hearing loss and external auditory canal mass
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P0549 Tailored microsurgical strategies for the resection of clinoidal meningiomas. an institutional experience
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P0550 The expanding spectrum of disease treated by the transnasal, transsphenoidal microscopic and endoscopic anterior skull base approach: single-center experience 2008-2015

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P0551 Destabilization of the occipitocervical junction after far lateral transcondylar resection: a biomechanical analysis
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P0552 Does papaverine intracisternal instillation improve hearing preservation in vestibular schwannoma surgery? A retrospective study in 101 patients

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P0553 Transcranial glossopharyngeal and hypoglossal nerve motor evoked potential (TES-MEPs) in CPA surgery: a prospective study to determine the normative data

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P0554 CE-Chirp® ABR in cerebellopontine angle surgery neuromonitoring: technical assessment in five cases

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P0555 Preoperative exposure of junction of transverse and sigmoid sinuses in posterolateral cranial base approaches: an imaginary line as a new landmark: mastoid-mandibular line
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P0556 A percutaneous transtubular retrosigmoid approach
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P0559 Carbon dioxide field flooding reduces the hemodynamic effects of venous air embolism occurring in the sitting position
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P0560 Occipital condyle: a morphometric classification and its surgical significance for ventral foramen magnum lesions
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P0561 Endoscopic endonasal and retrosigmoid approaches to epidermoid and dermoid cysts: outcomes and complications
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P0821 Posterior inferior cerebellar artery aneurysms (PICA): Therapeutic modalities and results of 15 cases

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P0825 "hybrid repair" for complex large/giant basilar apex aneurysms

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P0827 Angiographic findings of in-stent intimal hyperplasia after stent-assisted coil embolization

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P0829 Treatment of intracranial aneurysms, incompletely - clipped or recurred after clipping

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P0832 Blood Blister-like pseudo-aneurysms: surgical experience

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P0834 Coil Embolisation of post-traumatic Anterior Cerebral Artery Pseudoaneurysm in a Ten years old child (case presentation)

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P0835 Endovascular techniques for protection of branch vessel and parent artery during coiling of wide neck cerebral aneurysm

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P0836 Thrombosed intracranial aneurysms presenting with mass effect hiding another very small a-comm aneurysm : clinical and imaging follow-up for 10 years (Case presentation)

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P0837 Ruptured infectious intracranial aneurysm treated with flow-diverting stent and coils in the acute phase

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P0838 Geriatric multiple aneurysms: a comparison with the younger counterparts

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P0844 Saccular bilobed ruptured aneurysm of a fenestrated azygos anterior cerebral artery aneurysm: case report and literature review

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P0846 Blister like aneurysms: surgery or endovascular treatment?

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P0847 Surgical treatment of paraclinoid aneurysms in the endovascular era

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P0848 The advent of flow diverters for management of complex intracranial aneurysms in latin america: a single center experience

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P0850 Surgical strategies and outcomes of distal anterior cerebral arteries aneurysms

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P0851 The impact of size and location on the possibility of rupture of intracranial aneurysms

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P0854 Results of re-exploration due to compromised distal blood flow after clipping unruptured intracranial aneurysms

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P0853 Endovascular coil embolization for recurred anterior communicating artery aneurysms after initial treatment

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P0852 Surgical results of keyhole aneurysm surgery in elderly and surgical technique for the prevention of subdural hygroma

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P0855 Left side intracavernous ica giant aneurysm trapping and cerebral revascularization procedure using high-flow extra-intracranial bypass (eca-m2)

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P0857 Predicting the impact of an acute subarachnoidal hemorrhage on the development of vasospasms and patient outcomes – comparison of Fisher's and BNI grading scales

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P0858 Anterior communicating artery aneurysms classification

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P0859 Management Of Pediatric Posterior Circulation Aneurysms - Our 14 Years Single Institution Experience

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P0860 Features of endovascular treatment for posterior circulation (PC) aneurysms

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P0861 Giant basilar artery aneurysm associated with obstructive hydrocephalus treated with pCONus assisted coiling and ventriculo-peritoneal shunt

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P0862 Minipterional approach in the treatment of unruptured middle cerebral artery aneurysms: our Center experience

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P0863 Intraarterial chemical spasmolysis in refractory post sub arachnoid haemorrhage (sah) vasospasm: an 18 months prospective analysis in tertiary health care centre

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P0864 Different neurosurgical approaches in cerebral vasospasm following subarachnoid hemorrhage

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P0865 A rupture prediction software for intracranial aneurysms: a preliminary report

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P0866 Morphological evaluation between middle cerebral artery bifurcation with small aneurysms and the contralateral normal anatomy

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P0867 Tips, bases, and pitfalls in distal trans-sylvian key-hole approach for mca aneurysms

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P0868 Factors affecting treatment results of coil embolization for unruptured aneurysm of less than 9 mm

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P0869 Factors determining surgical approaches to basilar bifurcation aneurysm

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P0870 Acute EC-IC bypass for ruptured ICA blood blister-like aneurysms (BBAs)

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P0871 Association between spontaneous subarachnoid haemorrhage and weather parameters in the urban area of Como, Italy

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P0872 Surgical strategies for complex aneurysms

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P0873 Giant aneurysm, what to do?

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P0874 Efficacy of ICG video angiography with angled endoscope in aneurysm surgery: comparison with microscopic fluorescence video angiography

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P0875 The preoperative evaluation of perforating arteries by 4d-cta and the anterior temporal approach to distal basilar artery aneurysms

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Tao Pengyu (China)

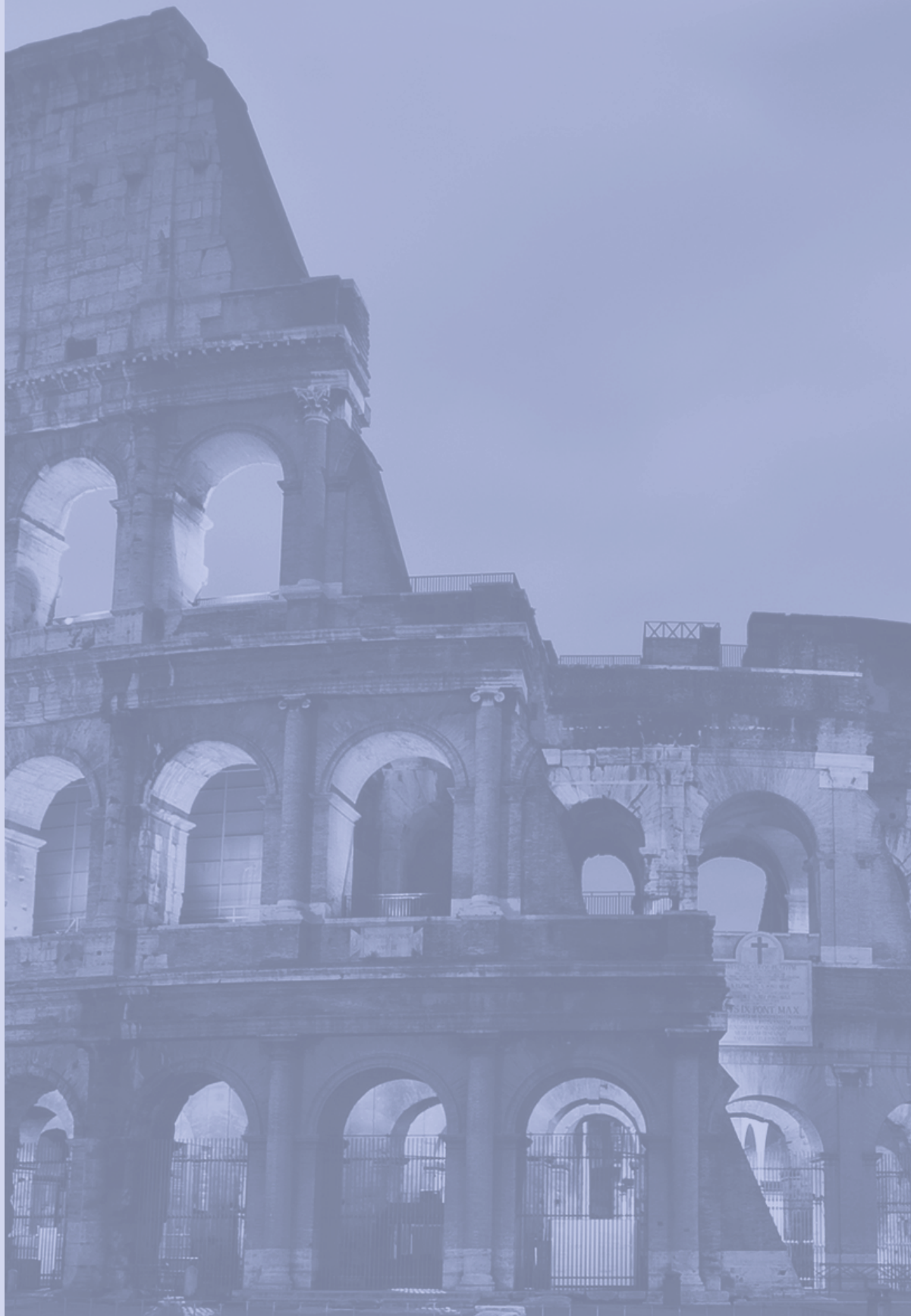
P1181 Anterior cervical discectomy & fusion with a compressive staple of c-jaws

Jun Zhong, Shi-Ting Li (China)

P1182 The experience of the wider use of the operative sitting position

Chen Jianliang (China)

SPONSORS AND EXHIBITORS





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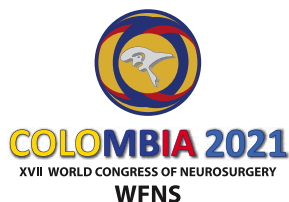
SILVER SPONSORS



BRONZE SPONSORS



SCIENTIFIC SOCIETIES - BID EXHIBITORS



SPONSORS





SPONSOR DESCRIPTION

BRAINLAB

Brainlab develops, manufactures and markets software-driven medical technology, enabling access to advanced, less invasive patient treatments. Brainlab technology powers treatments in radiosurgery as well as numerous surgical fields including neurosurgery, orthopedic, ENT, CMF, spine and trauma. Founded in Munich in 1989, Brainlab has over 5,000 systems installed in 95 countries.

ELEKTA

Elekta is a human care company pioneering significant innovations and clinical solutions for treating cancer and brain disorders. For 60 years, Elekta has been setting the standard for treating challenging brain diseases that defy most conventional treatment methods. With its long-standing expertise in stereotaxy, Elekta has created solutions that are both extremely accurate and non-invasive.

Elekta's Leksell Stereotactic System is used by more than 1,500 sites around the world to localize and treat targets within the brain in a minimally invasive manner. It has become the benchmark solution in stereotactic neurosurgery. And Gamma Knife® radiosurgery alone has helped more than 700,000 people worldwide live longer and better lives. Elekta's most advanced system, Leksell Gamma Knife® Icon™*, takes stereotactic radiosurgery to a new level of accuracy and dose conformity.

*Leksell Gamma Knife Icon is not for sale or distribution in the US and is not CE marked

HAAG-STREIT SURGICAL GmbH

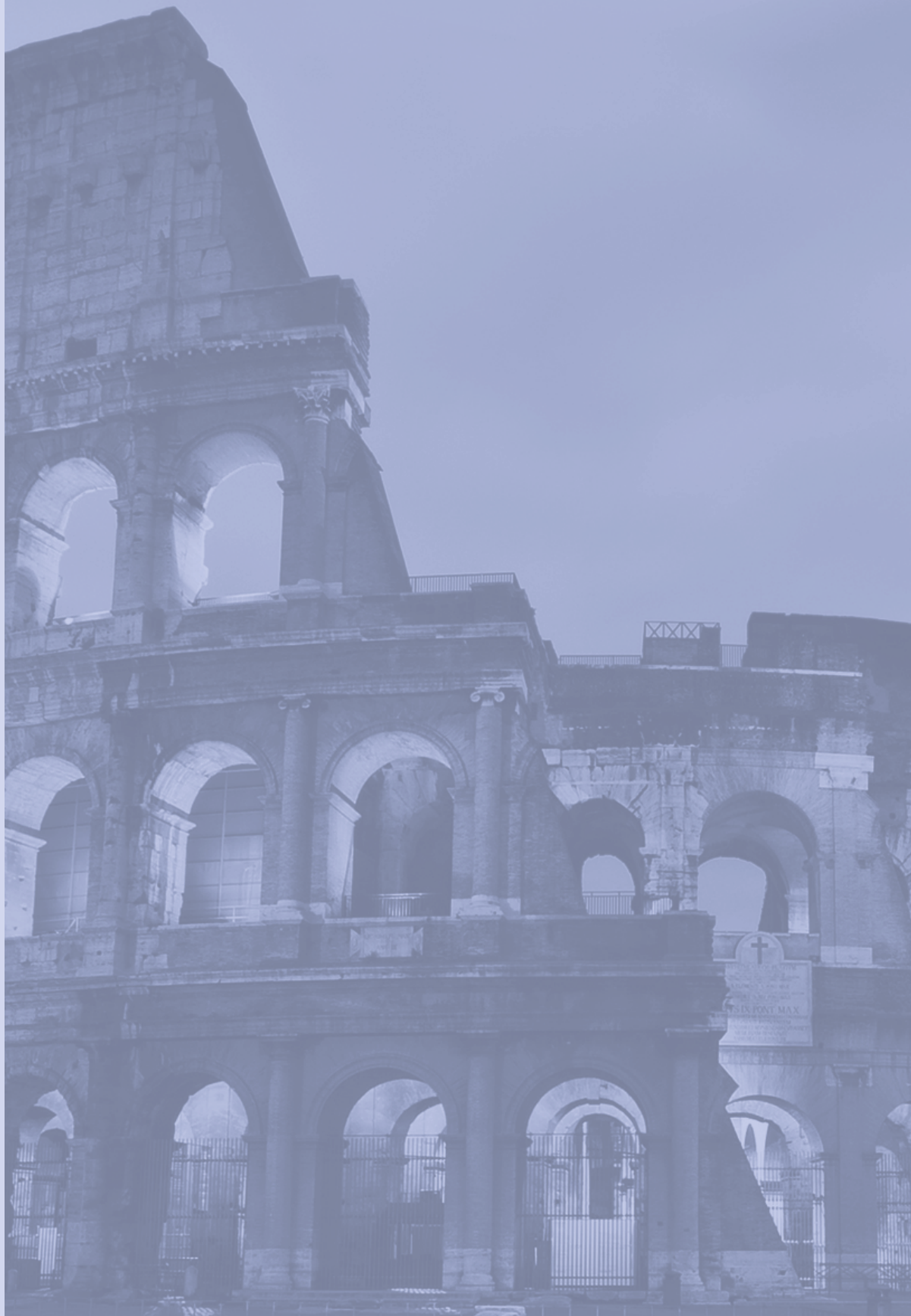
As a member of the HAAG-STREIT GROUP we dedicate our skills and efforts to designing medical operating microscopes and software by the highest standards and for long-lasting use. Since 1963 our products reached worldwide recognition in ophthalmology, neurology and ENT. With our new operating system HS 5-1000 we reached a new level of surgical experience. An exceptional arm reach, very stable positioning and high degrees of movement in combination with the system's integrated touch screen C.TAB and the recording solution HS MIOS 5 ease the workflow and produce high quality videos. Visit our booth # 36-43 for detailed information.

KARL STORZ

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 7100 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.



GENERAL INFORMATION





GENERAL INFORMATION

CONGRESS SECRETARIAT



Triumph Italy S.r.l.
Via Lucilio 60 - 00136 Rome
Email: infowfns2015@thetriumph.com
Website: www.triumphgroupinternational.com

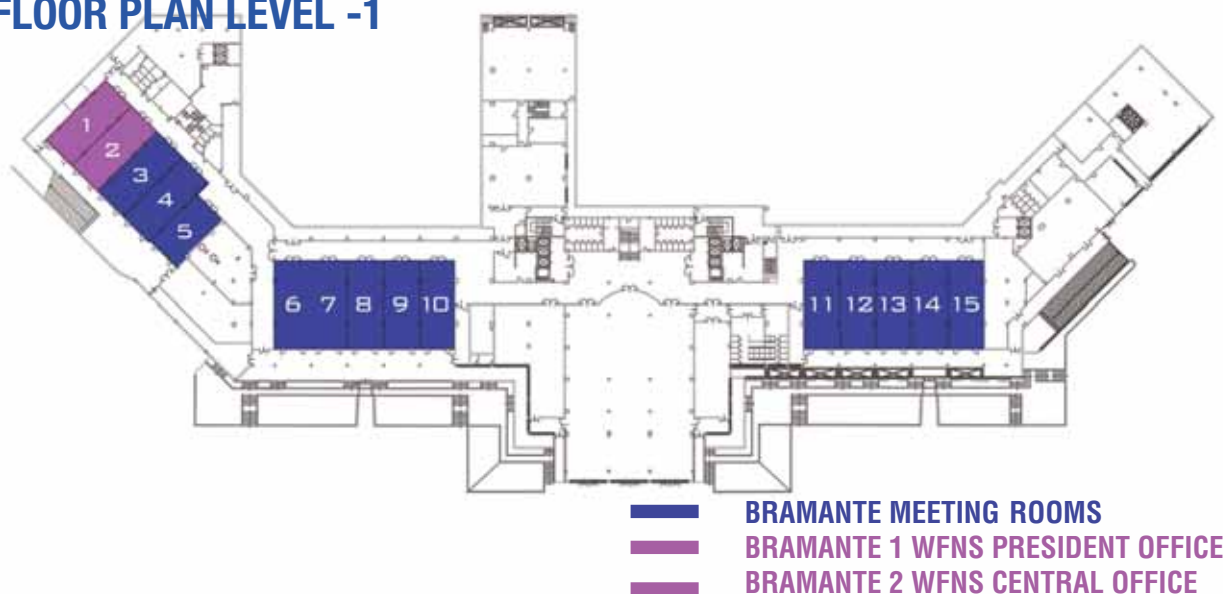
CONGRESS VENUE

Rome Marriott Park Hotel
Via Colonnello Tommaso Masala, 54 - 00148 Rome - Italy

FLOOR PLAN LEVEL 0



FLOOR PLAN LEVEL -1



INSTRUCTIONS FOR PRESENTATION

Information for invited speakers

Allocated times for presentations in each session are as follows:

Breakfast Seminars: 15 min for each presentation + 30 min for general discussion

Main Sessions: 12 min for each presentation + 3 min Q/A

Plenary Sessions: 15 min for each presentation

Information for ORAL PRESENTATIONS and KEY NOTE LECTURES

Oral Presentations: 7 min for each presentation + 3 min Q/A

Key note Lectures: 10 min for each presentation

Information and instructions for digital POSTER PRESENTERS

Digital Posters are displayed electronically, Wednesday September 9 through Saturday September 12, in the Exhibit Hall, and can be searched by author, topic, assigned number.

SPEAKER SLIDE CENTER

Location: Floor 0 - Room Tintoretto 1

SPEAKER CENTER OPENING HOURS:

Tuesday, September 8	07:00 - 19:00
Wednesday, September 9	07:00 - 18:00
Thursday, September 10	07:00 - 18:00
Friday, September 11	07:00 - 18:00
Saturday, September 12	07:00 - 18:00

All Invited Speakers and Oral Presenters are requested to pre-load their presentation 4 hours before their scheduled presentation. For those who have a session in the morning, it is strongly recommended to load presentation the day before.

PRESENTATION FORMAT

- Only PowerPoint presentations, Office 2007/2010 and all prior versions for PC are accepted (PowerPoint version used in the meeting room is Office 2010 for best compatibility reasons).
- The projection format will be 4:3 aspect ratio so please kindly set your slide presentation in the same format.
- Please save the presentation on a CD or USB key. Personal laptops are not allowed.
- If you have pictures, they must be under the following format: .jpg, .gif, .tiff, or .bmp (format.pict prohibited).
- If you have video files attached to your power point presentation, they must be in the following format: .mpg, .mpeg, .avi or .wmv. The format .mov (quick time) is NOT accepted. If you have such files, please export them in .avi format. When saving your final presentation to CD or USB stick, make sure to include your video files if any and all links to these multimedia files or, if you use PPT 2010 let the videos embedded in your PPT presentation file
- Please use usual PC fonts for your PowerPoint presentation such as Arial, Times New Roman and the Wingdings collection for special characters and other signs. On the contrary, bring your "personal font" with you and give it at the slide center the day before your speech.



CONGRESS VENUE/REGISTRATION

DEPOSITING YOUR FILE

- You can upload your presentation before the congress at the following link <http://livecongress.it/wfns/>
- You are requested to check your presentation at the Slide Center 4 hours before your speech
- Please bring a copy of your presentation with you
- In the Slide Center, you will be assisted by a multimedia specialist who will check your presentation with you, upload it on a server, make sure it runs properly

IN THE MEETING ROOM

The Technician will launch your presentation from the lectern. The PC on the lectern is programmed with 1024x768 (4:3 aspect ratio) pixels and is linked to a Video-projector.

Once the presentation is launched, you will control the program by clicking on the mouse or on the keyboard or with the pointer.

SOCIAL PROGRAM

Tuesday, September 8, 2015

OPENING CEREMONY - 6:30 pm - 8:30 pm

Michelangelo Room - Floor 0

Via Colonnello Tommaso Masala, 54

(Included in the Registration fee)

The Opening Ceremony will be followed by a welcome reception.

Friday, September 11, 2015

SOCIAL DINNER - 8:00 pm to 00:00 am

Villa Piccolomini

Via Aurelia Antica, 416

Saturday September 12, 2015

CLOSING CEREMONY - 1:00 pm to 2:00 pm

Michelangelo Room - Floor 0

Via Colonnello Tommaso Masala, 54

(Included in the Registration fee)

CONGRESS VENUE/REGISTRATION

ACCREDITATION

European CME have been requested for Breakfast Seminars, Main Sessions and Plenary Sessions. The UEMS-EACCME® has such agreements with the following countries:

- Austria
- Belgium
- Cyprus
- Czech Republic
- Finland
- Georgia
- Greece
- Hungary
- Ireland
- Regione Lombardia
- Luxembourg
- Malta
- Norway
- Romania
- Slovakia
- Slovenia
- Spain
- Sweden
- Turkey
- UK

In addition, the UEMS-EACCME has mutual recognition agreements with the American Medical Association and the Royal College of Physicians and Surgeons of Canada, hence covering the North American Region.

PROCEEDINGS

The Congress Abstract will be available online right after the Congress at www.wfnsinterimrome2015.org

CERTIFICATE OF ATTENDANCE

A Certificate of Attendance will be downloadable from the 15th Interim Meeting website after the congress ends. Please log back into your registration account using your username and password, in order to receive it by email.

REGISTRATION

Registration desk is located on Floor 0 of the Rome Marriott Park Hotel

Registration Desk Hours:

Tuesday, September 8	from 7:00 am to 7:00 pm
Wednesday, September 9	from 7:00 am to 6:00 pm
Thursday, September 10	from 7:00 am to 6:00 pm
Friday September 11	from 7:00 am to 6:00 pm
Saturday, September 12 August 24	from 7:00 am to 6:00 pm

TYPE	ON-SITE from 08/09/2015
Full Participant	€ 750
Non Medical Participant	€ 800
R/F/S/N/AHP 1st cat	€ 240
R/F/S/N/AHP 2nd cat	€ 320
R/F/S/N/AHP 3rd cat	€ 400
Guest	€ 150
Exhibitors	€ 235
Breakfast Seminar	free
WFNN/ANIN Symposium	€ 235
Gala Dinner	€ 140

* AHP: Allied Health Professionals: arts therapists/chiropractors/podiatrists/dietitians occupational therapists/orthoptists/orthotists/paramedics/physiotherapists/prosthetists/radiographers/speech and language therapists

** R/F/S/N: Resident/Fellow/Student/Nurse - Categories follow: Tier Category World Bank Standard as of February 2014



GENERAL INFORMATION

Delegate registration fee includes:

- Congress Kit
- Opening Ceremony
- Coffee breaks
- Lunch boxes
- Transportation to and from Venue (for affiliated hotels only)
- Shuttle bus from congress Venue to downtown

Exhibitors registration fee includes:

- Congress Kit
- Opening Ceremony
- Coffee breaks
- Lunch boxes

EXHIBITION

Tuesday, September 8	from 1:00 pm to 8.30 pm
Wednesday, September 9	from 8:30 am to 6:00 pm
Thursday, September 10	from 8:30 am to 6:00 pm
Friday September 11	from 8:30 am to 6:00 pm
Saturday, September 12 August 24	from 8:30 am to 1:00 pm

INTERNET

Free Wi-Fi available in the Congress Area.

NAME BADGES

For security purposes delegates, accompanying persons and exhibitors must wear their name badge at all times in order to access to the Congress Venue and to social activities. Replacement of lost badges may incur a full charge.

LUNCH AREAS

Coffee break and Lunch Areas are located in the Exhibition hall, Floor 0 of the Congress Venue.

A Bar and a Restaurant Area are also available at the Congress Venue in the Registration Area, floor 0.

PRESS OFFICE

The press office is located in Room Bernini 5.

LUGGAGE CLOAKROOM

The Cloakroom is located in Floor 0 in the Exhibition Area and will be available as a luggage deposit. Opening hours in accordance with the Congress program and event schedule.

LANGUAGE

The official language of the Congress is English. No simultaneous translation is available.

SMOKING POLICY

According to Italian law, smoking is prohibited in all public indoor areas, in this case including privatized areas of exhibit space.

ITALIAN TELEPHONE COUNTRY CODE

Country code for Italy: +39

International outgoing code: 00

EMERGENCY NUMBERS IN ITALY

Police: 113

Carabinieri: 112

Ambulance: 118

Fire Service: 115

Roadside Assistance: 116

SHUTTLE SERVICES

A free shuttle bus (52 pax) is available every hour from Marriott Park Hotel to down town round trip.

Free shuttle buses are also available from affiliated hotels to Marriott Park Hotel round trip.

A shuttle schedule will be posted at the hotels and convention center.

TAXI

Taxi Rome number: +39 06 3570 - +39 06 5551

CONGRESS VENUE PARKING

A 380 places Parking is available at Rome Marriott Park Hotel. The cost for each car is as follows:

First 3 hours Euro 4,00

From 3 to 5 hours Euro 8,00

From 5 to 8 hours Euro 10,00

From 8 to 24 hours Euro 12,00



ACCOMMODATION/HOTELS

HOTELS



HEADQUARTER HOTEL

ROME MARRIOTT PARK HOTEL ★★★★★
Via Colonnello Tommaso Masala, 54
00148, Rome

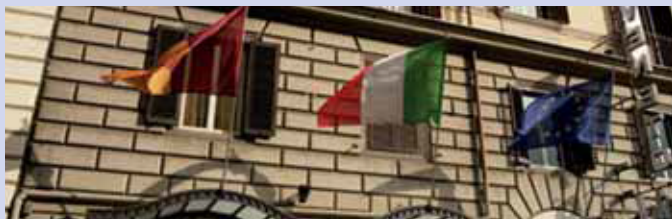


AFFILIATED HOTELS:

INTERCONTINENTAL DE LA VILLE ★★★★★
Via Sistina, 69
00187 Rome



SHERATON GOLF ★★★★★
Viale Salvatore Rebecchini, 39
00148, Rome



VENETO PALACE ★★★★★
Via Piemonte, 63
00187 Rome



ALEXANDRA ★★★★★
Via Vittorio Veneto, 18
00187 Roma



IBIS ROMA FIERA ★★★★★
Via Arturo Mercanti, 63
00148, Rome

Organizing Secretariat



Triumph Group - Triumph Italy srl

www.triumphgroupinternational.com

www.wfnsinterimrome2015.org

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