Scientific Programme

Sunday, 04 September 2016

Pre-congress course

WFNS Neurosurgical Anatomy Committee Vascular Course. Additional registration for this pre-congress course required.

Chairs:
V. Benes (Czech Republic)
A. Andreou (Greece)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>07:30 - 07:35</td>
<td>Introduction</td>
</tr>
<tr>
<td></td>
<td>V. Benes (Czech Republic)</td>
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<td>A. Andreou (Greece)</td>
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<td>07:35 - 08:05</td>
<td>Vascular anatomy</td>
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<td></td>
<td>C. Destrieux (France)</td>
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<td>08:05 - 08:25</td>
<td>Angiographic anatomy</td>
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<td>I. Maldonado (Brazil)</td>
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<td>08:25 - 08:45</td>
<td>Aneurysms</td>
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<td>A. Andreou (Greece)</td>
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<td>08:45 - 09:05</td>
<td>Cavernomas</td>
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<td>E.J. Wahjoepramono (Indonesia)</td>
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<td>09:05 - 09:25</td>
<td>AVM</td>
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<td>V. Benes (Czech Republic)</td>
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<td>09:25 - 09:40</td>
<td>Break</td>
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<td>09:40 - 10:40</td>
<td>Breakout sessions (30 mins) - Solve a vascular case (Faculty)</td>
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<td>10:40 - 11:10</td>
<td>Anatomy quiz</td>
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<td>C. Destrieux (France)</td>
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<td>11:10 - 11:20</td>
<td>Course evaluation</td>
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Other
07:30 - 19:00

ePoster Area

Visit the ePoster Area on Level -1

10 years cervical disc replacement: comparison with fusion and hybrid methods
N. Neophytou (Cyprus)
3-D ultrasound real time operative neuronavigation in high grade gliomas. Does it really increase the extent of resection?
P. Papadopoulos-Manolarakis (Greece)

3d model for surgical planning in cervical deformity
J. Barges Coll (Switzerland)

5-aminolevulinic (5-ALA) derived fluorescence in neuronal and mixed neuronal-glial tumors surgery
O. Rustemi (Italy)

50 years after the 1st brain trauma center in Portugal - history of unidade de traumatologia crânio-encefálica (UTCE) of the hospital Santo António (HSA)
J. Monteiro Silva (Portugal)

A 13-year experience in craniosynostosis surgery: what have we learned?
A. Ben Nsir (Tunisia)

A case of early recovery after spine surgery in a young patient with long-lasting severe paraparesis after traumatic fracture of L1
D. Valsecchi (Switzerland)

A case of segmental arterial mediolysis: its differentiation from a dissecting aneurysm
M. Inazuka (Japan)

A case report: intracranial xanthogranuloma of petrous apex treated via Kawase-approach
P. Fistouris (Germany)

A change in age of patients treated surgically for single level lumbar degenerative disc disease in the last decade
A. Jędrzejek (Poland)

A meta-analysis of the different intraoperative blood flow assessment modalities used in intracranial aneurysm surgery
A. Lizan (Philippines)

A minimum 2-year comparative study of autologous cancellous bone grafting versus beta-tricalcium phosphate in anterior cervical discectomy and fusion using a rectangular titanium stand-alone cage
T. Takami (Japan)

A new concept of the surgical management of the severe head injury
A. Gavrilov (Russian Federation)

A novel dural sealant - improved mechanical properties
J. Schense (Switzerland)

A novel duraplasty graft harvesting technique for patients with Chiari type I malformation
H. Güler (Turkey)

A prospective study on molecular prognostication indices for clival chordomas
G. Zenonos (United States)
A rare case of a Tarlov’s cyst in the thoracic spine
A. Tsitlakidis (Greece)

A rare case of rapid secondary glioblastoma evolution from a WHO grade II astrocytoma, IDH1 positive
A. Budu (United Kingdom)

A rare cause of intracranial hypertension
O.M. Sirbu (Romania)

A slowly progressive lesion: the rare occurrence of a cerebral amyloidoma
P.J. Van Dyck-Lippens (Belgium)

A survey of neurosurgical residency education in Eastern Europe
N. Alshafai (Belgium)

A systematic review and meta-analysis of outcomes in hybrid constructs for multi-level lumbar degenerative disc disease
A. Lackey (Australia)

Abnormalities of transcranial magnetic stimulation in rugby players: a possible diagnostic tool for the identification of players at risk for symptomatic cervical myeloradiculopathy?
D. Bongetta (Italy)

Academic productivity of U.S. neurosurgery residents as measured by h-index: program ranking with correlation to faculty productivity
C. Sarkiss (United States)

Accuracy of varioguide frameless stereotactic system against Frame based stereotaxy: prospective randomized study
O. Bradáč (Czech Republic)

ACE-inhibitors - a preventive measure for bone flap resorption after autologous cranioplasty in hypertensive patients?
P. Schucht (Switzerland)

Acromegaly and its impact on cognitive functioning in patients with pituitary adenoma
A. Bala (Poland)

Activation of acetylcholinesterase after U-74389G administration in a porcine model of intracerebral hemorrhage
A. Bimpis (Greece)

Activation of dopamine 5 receptor inhibits tumor growth by inducing autophagic cell death
Z.B. Wu (China)

Acute traumatic intracranial lesions increase the risk of cervical spine fractures
T. Thesleff (Finland)

Additive technologies in making Titanium composite implants for skull repair
A. Kravchuk (Russian Federation)
Adult neural stem cells Are irreplaceable  
T. Burns (United States)

Advance health care directive and the association to in-hospital mortality in acute stroke  
F.P. Schwarm (Germany)

Alexia pure syndrome in postoperative patient of left occipital AVM  
C. Cotúa Quintero (Spain)

An adaptive patient specific implant  
K. Tran Duy (Belgium)

An uncommon tumor: primary medullary cone melanoma  
R. Malcata Nogueira (Portugal)

An unusual cause of hemorrhagic stroke in an 11 year old child: case presentation and review of the literature  
D. Panagopoulos (Greece)

An update on management of the cystic dilatation of the fifth ventricle  
C.H. Carvalho (Germany)

Anaesthesia for awake craniotomy - from the classics to the future and back  
I. Mladić Batinica (Croatia)

Analysis of factors that might influence the neurological outcome of surgery for intramedullary tumors  
M. Prokopienko (Poland)

Analysis of mortality in patients operated on for intramedullary tumors  
M. Prokopienko (Poland)

Analysis of outcomes of multidisciplinary management of gliosarcoma: Auckland city hospital, 1994-2013  
J. Dimou (New Zealand)

Analysis of postoperative complications after temporal bone block-resection  
D. Ivanov (Russian Federation)

Analysis of risk factors associated with Multiple Intracranial Aneurysms rupture in patients with previous Subarachnoid Hemorrhage  
L. Rigante (Netherlands)

Analysis of surgical management prognostic factors influencing the outcome of skull base meningioma  
I. Bagic (Croatia)

Analyzing relationships between posterior communicating artery aneurysms and the tentorium: anterior petroclinoid Fold in relation to the Inferotentorial aneurysmal location  
O. Tannverdi (Turkey)

Anatomic investigation of the laser pathway for stereotactic laser amygdalohippocampotomy  
A. Gungor (Turkey)
Angiogenic glioma: an australasian case series
J. Dimou (New Zealand)

Anterior bilateral transarticular screw fixation of C1/2 in the elderly for instable fractures
O. Mueller (Germany)

Anterior cervical disectomy with fusion- evolution and results in a tertiary care centre. A series of 242 cases
R. Pothiraj Raju (India)

Anterior cervical microdiscectomy with intervertebral PEEK implant placement
I. Ydraios (Greece)

Anterior cervical osteophytectomy consistently leads to symptomatic improvement in patients with dysphagia and dysphonia secondary to Forestier's disease
P. Sayal (United Kingdom)

Anterior cingulate electrophysiological changes after aneurysm subarachnoid hemorrhage correlate with cognitive deficits in good grade survivors
L. da Costa (Canada)

Anterior skull base malignances: comparison of different surgical approaches
N. Primak (Russian Federation)

Antithrombotic medication and bleeding risk in patients with cerebral cavernous malformations: a cohort study
C. Jäggi (Switzerland)

Antitumor effect of PEG-ZnPP in rat glioma cells, F98 and C6, and in brain stem tumor models
Y.S. Kang (Germany)

Application of endovascular treatment in very small aneurysms (&LT; 3mm) - one department study
M. Sowa (Poland)

Approaching the atrium through the intraparietal sulcus: mapping the sulcal morphology and correlating the surgical corridor to underlying fiber tracts
F. Liakos (Greece)

Arginine vasopressin and its surrogate marker copeptin in cerebral vasospasm and hyponatraemia after aneurysmal subarachnoid haemorrhage
A.A. Adamides (Australia)

Arnold-chiari malformation Type 1: A systematic review of the natural history and outcomes with conservative management
B. Langridge (United Kingdom)

Art and neurosurgery
J. Undabeitia (Spain)
Scientific Programme

Artificial intelligence in neurosurgical outcomes research: machine learning versus classical statistics
A. Karhade (United States)

Assessing fusion in the cervical spine: comparison of radiographic diagnostic measures
L. Kogler (Germany)

Assessment of distortion in neurosurgical image overlay projection
D. Paraskevopoulos (United Kingdom)

Assessment of the minimum clinically important difference in the timed up and go (TUG) test after surgery for lumbar degenerative disc disease
M.N. Stienen (Switzerland)

Associations of renin-angiotensin system genetic polymorphisms and aneurysmal subarachnoid hemorrhage: a multicenter prospective study
C. Griessenauer (United States)

Atypical meningioma: the experience of our institution in an 10 year-period
L. Fonseca (Portugal)

Atypical unilateral oculomotor nerve palsy from bilateral chronic subdural hematoma: Case report and review of the literature
A. Zigouris (Greece)

Augmented reality in optic chiasm cavernoma surgery: a case report and literature review
A. El Rahal (Switzerland)

Automated detection and morphometric analysis of intracranial aneurysms
A. Dalton (United Kingdom)

Autonomic instability in NICU
H.S. Hwang (Korea, Republic of)

AVMs in the pediatric population: presentation of two cases with intraventricular rupture and an AVM-related venous aneurysm
D. Panagopoulos (Greece)

Awake craniotomy - from asleep/awake/asleep technique to the approach of conscious sedation only
Z. Mackerle (Czech Republic)

Awake craniotomy for resection of brain tumours: survey of the United Kingdom practice in 2015
V. Wykes (United Kingdom)

Best operation for chronic subdural hematoma: a decision analysis
V. Konofaou (Greece)

Bilateral direct carotico cavernous fistula - case report
R. Pothiraj Raju (India)
Biodegradable magnesium stent treatment of saccular aneurysms in a rat model - introduction of the surgical technique
E. Nevzati (Switzerland)

Blake’s pouch cyst associated with hydrocephalus: a case report and management
M. Jaramillo Pimienta (Spain)

Bone graft placement technique a modification of fronto-orbital advancement in craniosynostosis
M. Reda (Egypt)

Breathlessness in subthalamic nucleus deep brain stimulation for Parkinson’s disease
A. Penumaka (United Kingdom)

Bromocriptine versus cabergoline in the treatment of giant prolactinomas: a quantitative systematic review
Z.B. Wu (China)

C1 and C2 screw stabilization experience of a single institute for various diagnoses
H. Biceroglu (Turkey)

C1-2 facet spacer to preserve occipito-cervical joint in rheumatoid atlantoaxial instability with acquired basilar invagination
J.Y. Lee (Korea, Republic of)

C7-T1 anterior decompression and fusion and right hemi-thyroidectomy in a patient with severe brachialgia and a thyroid tumor
K. Themistoklis (Greece)

Cage subsidence following anterior cervical discectomy and fusion: A comparison of radiographic diagnostic measures
L. Kogler (Germany)

Can combined bypass surgery at the middle cerebral artery territory save the anterior cerebral artery territory in adult moyamoya disease?
W.-S. Cho (Korea, Republic of)

Can early recording of biochemical markers predict outcome after acute subarachnoid haemorrhage? - post hoc data from the simvastatin in aneurysmal subarachnoid haemorrhage (STASH) trial
C. Turner (United Kingdom)

Can treatment decision of unruptured intracranial aneurysms be based on PHASES score?
P. Bijlenga (Switzerland)

Case report: intraoperative paraplegia in a cervical herniated disc
K. Barkas (United Kingdom)

Causes of poor outcome in patients with good grade subarachnoid hemorrhage
V. Benes (Czech Republic)
Scientific Programme

Cavernous carotid artery aneurysms: epidemiology, natural history, diagnostic and treatment of Cavernous carotid artery aneurysms, an experience of a single institution
J. Rosi Júnior (Brazil)

Celloidin-based coloured injection of the cadaveric head arteries for microneurosurgical training
I. Iarmoliuk (Ukraine)

Cemento-ossifying fibroma: case report and literature review:
A. Brownrigg-Gleeson (Spain)

Central neurocytoma: report of 3 cases and literature review
R. Malcata Nogueira (Portugal)

Cerebral langerhans cell histiocytosis: a case report and literature review
J.-H. Kim (Korea, Republic of)

Cerebrospinal fluid diversion procedures for treatment of idiopathic intracranial hypertension: single center experience
M.M. Taha (Egypt)

Cerebrospinal fluid spread metastasis of a pineal parenchymal tumour of intermediate differentiation 10 years after primary resection - implications for follow up protocols
E. Dalton (United Kingdom)

Cerebrospinal fluid waves
M. Abdullah (Saudi Arabia)

Cervical Alignment: comparison of different radiographic diagnostic measures and correlation with clinical outcome
L. Kogler (Germany)

Cervical bilateral decompression with unilateral approach for treatment of cervical myelopathy
A. Veroni (Italy)

Changes in serum sodium levels and their impact on mortality and morbidity of patients with aneurysmal subarachnoid hemorrhage. A retrospective analyses of 200 cases
A. Minasyan (Germany)

Chiari type I malformation (CM): analysis of outcome after craniovertebral decompression with arachnoid sparing technique using cardiac gated phase-contrast MRI
A. Reutov (Russian Federation)

Child’s primary spinal Burkitt’s lymphoma causing compression and paraplegia: management of an unusual case report and review of literature
M. Blagia (Italy)

Chronic dorsal subdural haematoma: single aetiology for CNS superficial siderosis and myelopathy
M. Del Bene (Italy)
Scientific Programme

Chronic paraspinal muscle injury model in rat
T.G. Cho (Korea, Republic of)

Clinical accuracy of cervical pedicle screw placement assisted by intraoperative 3D CT-based navigation system (O-Arm)
N. Shimokawa (Japan)

Clinical analysis of patients with ischemic stroke from arterial dissection in anterior circulation
Y.S. Shim (Korea, Republic of)

Clinical and surgical outcomes of upper lumbar disc herniations: Ankara experience
Ö.H. Emmez (Turkey)

Clinical experience with preoperative CT planning biopsy of vertebral bodies
O. Yavorskyi (Ukraine)

Clinical management of pineal cysts - a worldwide online survey
M. Majovsky (Czech Republic)

Clinical outcome and bone regenerative effects from using calcium phosphate-based implants in cranial repair
T. Engstrand (Sweden)

Clinical outcome of adult choroid plexus tumors: retrospective analysis of a single institute
E. Turkoglu (Turkey)

Clipping of incompletely occluded ruptured and non-ruptured coiled aneurysms
N. Gkekas (Greece)

Closure of large myelomeningocele using Limberg flap
C. Matei (Romania)

CNS Tumours under two years of age: A single institution experience
D. Forte (Portugal)

Cognitive functioning of patients with pituitary adenoma and cushing’s disease
A. Nowak (Poland)

“Coil mainly” policy in management of intracranial ACoA aneurysms. single centre experience with the systematic review of literature
A. Steklacova (Czech Republic)

Cold air entering during lumbar surgery causes severe vomiting: air expanses when warming up to body temperature and ascends. Physical laws provoke “Montgolfier effect”
B. Ott (France)

Combined treatment of cerebral metastases
G. Chmutin (Russian Federation)
Combining anterior lumbar interbody fusion (ALIF) and total disc replacement (TDR) in treatment of symptomatic lumbar degenerative disc disease. (middle term results)
G.L. Morassi (United Kingdom)

Common data elements - a view on harmonization between TBI-studies
S. Meeuws (Belgium)

Comparative anatomical analysis of transcallosal transchoroidal and transcallosal transforniceal transchoroidal approaches to the third ventricle
E. Figueiredo (Brazil)

Comparative study on the zero-profile cage with screws system and stand-alone rectangular peek cage system-augmented fusions after single level anterior cervical discectomy
J.-T. Kim (Korea, Republic of)

Comparison between indocyanine green videoangiography and intraoperative digital subtraction angiography
I. Mendelowitsch (Switzerland)

Comparison of 3-factor prothrombin complex concentrate and fresh frozen plasma for rapid warfarin reversal in intracerebral haemorrhage
A. Thien (Singapore)

Comparison of CT-navigated pedicle screw accuracy for dorsal instrumentation with and without prior anterior surgery
A. Rienmueller (Austria)

Complete monoportal endoscopic resection of giant colloid cyst in a child
N. Thamenah Kalyal (United Kingdom)

Complete resection of spinal intradural-extramedullary lesions by a minimally invasive approach. A series of 12 cases
T. Bouras (Belgium)

Complex anterior cranio-vertebral junction disorders: can endoscopy expand the indications of surgery or improve the standard technique?
M. Iacoangeli (Italy)

Complication rate associated with autologous vs heterologous cranioplasty a two centers experience
A. El Rahal (Switzerland)

Complications of cranioplasty using a bone flap sterilized by autoclaving
J. Mracek (Czech Republic)

Complications of deep brain stimulation for secondary dystonia in the early postoperative period (30-day morbidity): an experience in 49 patients
A. Wloch (Germany)

Concussion during athletic activity. Management and return to play guidelines
A. Mylonas (Greece)
Scientific Programme

Confounding factors in the application of nTMS-based DTI fiber tracking for language-related subcortical tracts
C. Negwer (Germany)

Conservative management of occipital condyle fracture: clinical picture, imaging and outcome
A. Petsanas (Greece)

Contrast-enhanced MRI versus contrast-enhanced ultrasound: a comparison in glioblastoma surgery using intra-operative fusion imaging
M. Del Bene (Italy)

Corpus callosum lipoma: an exceptional finding
E. Drosos (Greece)

Correlation of ADC map with histological grade in paediatric brain tumors
A. Moraiti (Greece)

Correlation of radiological severity of aneurysmal subarachnoid hemorrhage with long-term outcome. Single institution experience
A. Minasyan (Germany)

Cortical controlled impacts to understand the mechanogenesis of brain contusions in an in vivo porcine model
G. Musigazi (Belgium)

Cortical morphometry of the language areas in mild traumatic brain injury
A. Hernowo (Malaysia)

Cortical plasticity of motor-eloquent areas measured by navigated transcranial magnetic stimulation in glioma patients
S. Ille (Germany)

Cost-effectiveness of preoperative motor mapping with navigated transcranial magnetic brain stimulation in high-grade glioma patients
V. Butenschön (Germany)

Cost, quality, and outcomes benefits of centralized spine units (CSU): review of 3,800 spine surgeries
J. Hamilton (United States)

Craniofacial resection for sinonasal malignancies: surgical aspects of skull base reconstruction
D.S. Spirin (Russian Federation)

Craniovertebral junction dumbell schwannomas: surgical management and outcome
M. Gorgan (Romania)

Daily prophylactic intrathecal vancomycin administration in patients with external ventricular drainage
R. Visagan (United Kingdom)

Day-case image-guided biopsy for brain tumours: A decade of experience
V. Wykes (United Kingdom)
“DBS and parkinson’s disease - two-step strategy”  
D. Belo (Portugal)

Decompression and stabilization of the thoracolumbar vertebral burst fracture with posterior transpedicular approach  
M. Sahinoglu (Turkey)

Decompressive craniectomy for infants: a case series of five patients  
N. Akhunzada (Pakistan)

Decompressive craniectomy in malignant hemispheric infarction: a clinical experience  
A. Elsayed (United Arab Emirates)

Decompressive craniectomy in patients suffering spontaneous intracerebral hemorrhage  
E. Tsianaka (Greece)

Decompressive craniectomy in severe traumatic brain injury: Indications and results in 178 patients  
A. Dafniotidis (Greece)

Decompressive craniotomy (DC) in surgery of ruptured cerebral aneurysms (CA)  
A. Airapetyan (Russian Federation)

Decompressive foraminotomy for degenerative scoliosis  
P.J. Van Dyck-Lippens (Belgium)

Defensive medicine among neurosurgeons from different medical-legal systems: a comparison of the U.S., Canada, and South Africa  
T.R. Smith (United States)

Delayed bizarre coil migration  
L. Vieira da Fonseca (Portugal)

Delayed postoperative spinal epidural hematomas  
A. Petsanas (Greece)

Delayed presentation of unilateral upper extremity weakness to a child after violent traction of neck and upper extremity  
D. Panagopoulos (Greece)

Deminerlized bone matrix has no influence on radiological or clinical outcome in cervical arthrodesis  
J. Kogler (Germany)

Demographic characteristics of traumatic brain injury in Egypt: hospital-based study of 2124 patients  
M.M. Taha (Egypt)

Development of siRNA-loaded chitosan nanoparticles targeting Galectin-1 for the treatment of glioblastoma multiforme via intranasal administration  
M. Van Woensel (Belgium)

Diagnosis of cauda equina syndrome  
T.S. Berrington (United Kingdom)
Scientific Programme

Diffusion tensor tractography of facial nerve in cerebello-pontine angle tumours - own experience
T. Szmuda (Poland)

Disaster response: an opportunity for neurosurgeons to improve global healthcare
R. Andrews (United States)

Discharge summary audit cycle for junior doctors of different grades at a tertiary neurosurgical centre
J. Yuen (United Kingdom)

Does adverse lipid profile elevate risk for SAH?
J. Lindbohm (Finland)

Dysplastic cerebellar gangliocytoma (lambert-duclos disease): a case report
A. Soto Guzmán (Spain)

E-WIN project 2016: evaluating the current gender situation across Europe. Results of an interactive, multiple-level survey
A. Steklacova (Czech Republic)

Early surgery for moderate to severe traumatic brain injury
N. Velinov (Bulgaria)

Ectopic supra and infratentorial schwannoma mimicking a meningioma
P. Ribeiro da Cunha (Portugal)

Effect of aneurysm wall cellularity in aneurysm healing following coil embolization - assessment in a rat saccular aneurysm model
E. Nevzati (Switzerland)

Effect of early mobilization and rehabilitation on complications in aneurysmal subarachnoid hemorrhage
A. Sorteberg (Norway)

Effect of integrin AV and B8 gene polymorphisms in patients with traumatic brain injury
G.F. Hadjigeorgiou (Greece)

Effect of the grade of neurosurgeon on the outcome of insertion of external ventricular drain (EVD)
J. Yuen (United Kingdom)

Effectiveness and adverse effects of deep brain stimulation: umbrella review of meta-analyses
P.N. Papageorgiou (United Kingdom)

Effectiveness of decompressive craniectomy in spontaneous supratentorial intracerebral haemorrhage
M. Iacoangeli (Italy)

Effects of intracranial meningioma location, size, and surgery on neurocognitive functions: a 3-year prospective study
E. Liouta (Greece)
Scientific Programme

- **Efficacy and safety of progesterone versus placebo for acute severe traumatic brain injury: A meta-analysis of randomised controlled trials**
  R.R. Reyes (Philippines)

- **Efficacy, complications and cost of surgical interventions for idiopathic intracranial hypertension: a systematic review**
  A.V. Kalyvas (Greece)

- **Elective craniotomy for intraventricular tumors: postoperative challenges**
  A. Raabe (Switzerland)

- **Elective spine surgery for patients older than 90 year old: Is 90 the new 80?**
  P. Rothlauf (Germany)

- **Electronic record keeping of intraoperative X-ray and avoidance of wrong level spinal surgery**
  H. Othman (United Kingdom)

- **Embolization as a stand-alone treatment for the complete angiographic obliteration of intracranial AVMs**
  G.F. Hadjigeorgiou (Greece)

- **Emergency microsurgical embolectomy and extracranial-intracranial bypass surgery in a case of complicated interventional intra-arterial thrombectomy**
  J.Y. Lee (Korea, Republic of)

- **Emergency surgery for SAH due to aneurysmal rupture**
  V. Kotselas (Greece)

- **Endoscopic approach of the cranial dermal sinus tract associated with a midline nasal dermoid**
  C. Matei (Romania)

- **Endoscopic approach to primary intraventricular CNS lymphoma: insight into the entity and management algorithm**
  D. Paraskevopoulos (United Kingdom)

- **Endoscopic endonasal odontoidectomy and posterior stabilization in a single-step surgical procedure: preliminary experience**
  F.F. Angileri (Italy)

- **Endoscopic endonasal removal of skull base tumors invading posterior cranial fossa**
  A. Shkarubo (Russian Federation)

- **Endoscopic management of spontaneous clival CSF leaks: case series and literature review**
  P. Gaetani (Italy)

- **Endoscopic minimally invasive management of neurocysticercosis in fourth ventricle**
  E. Escamilla Gutiérrez (Mexico)
Endoscopic monoportal resection of a third ventricular pilocytic astrocytoma with pilomyxoid features in an 86-year old patient: case report and review of the literature
A.S. Pandit (United Kingdom)

Endoscopic resection of a choroid plexus cyst causing obstructive hydrocephalus
N. Thamenah Kalyal (United Kingdom)

Endoscopic third ventriculostomy in adult population - One surgery fits all?
J. Cruz Teixeira (Portugal)

Endoscopic third ventriculostomy: Analysing outcome and predictive success factors in a mixed pediatric and adult population
D. Forte (Portugal)

Endoscopic transventricular approach to third ventricular colloid cyst
A. Elsamman (Egypt)

Endoscopic treatment for rare high grade tumours of the third ventricle
J. Bal (United Kingdom)

Enhanced recovery program in neurosurgery: safety of short stay neurosurgery following brain tumour surgery
P. Plaha (United Kingdom)

Enhancing the outcome of surgical treatment in patients with central gyri tumors using the nTMS and tractography techniques
A. Shcherbuk (Russian Federation)

Ependymomas: prognostic factors, treatment strategies and clinical outcomes
G. Virdi (United Kingdom)

Epidemiological analysis of 1358 surgical brain tumors during a period of thirteen years in a tertiary reference Hospital at São Paulo - Brazil
A.L. Campos Paiva (Brazil)

Epilepsy: unusual presentation of cerebral hydatid disease in children
F. Hajhouji (Morocco)

Establishing hybrid neurosurgery in Macedonia. Our first experiences with endovascular treatment of aneurysms
V. Filipce (Macedonia, the Former Yugoslav Republic of)

Evaluation of network attributes of whole-brain resting-sate functional connectivity using large-scale network analysis
M. Kaushal (United States)

Evaluation of the effects of apocynin on spatial learning, balance and memory function in an experimental model of Alzheimer disease
S.C. Onal (Turkey)

Evolution of the skull base and craniovertebral junction chordomas surgery
A. Shkarubo (Russian Federation)
Scientific Programme

Ewing's sarcoma/primitive neuroectodermal tumor of the brachial plexus: a case report
C. Syrris (Greece)

Experimental In Vivo model of focal ischemia in the distribution of middle cerebral artery
K. Themistoklis (Greece)

Expression and prognostic significance of the high-mobility group AT-hook protein 2 (HMGA 2) in MGMT methylated and unmethylated glioblastomas
F.P. Schwarm (Germany)

Extended endonasal approaches to skull Base. experience and challenges in a third world country
A. Elsamman (Egypt)

Extensive adhesiolysis as treatment of a trapped fourth ventricle
H.-R. Jeltema (Netherlands)

Extent of resection and survival in glioblastoma multiforme: report of 49 cases
K. Gounaris (Greece)

External hydrocephalus following cervical schwannoma resection: hydrocephalus resolution after spinal pseudomeningocele repair
C. Gambacciani (Italy)

Extreme lateral interbody fusion (XLIF): a single-center clinical and radiological follow-up study of 20 patients
E. Tessitore (Switzerland)

Facial nerve tractography in cerebello-pontine angle tumours: systematic review and meta-analysis
T. Szmuda (Poland)

Factors from the public hospital with end of life decisions in the intensive care unit
J. Kim (Korea, Republic of)

Falcine meningioma developed following traditional scalp cautery a first two cases reported
A. Alqurashi (Saudi Arabia)

First experience with the topping off technique using semi-rigid stabilisation of the lumbar spine
A. Rienmuller (Austria)

First intention radiosurgery and combined approach in trochlear and abducens nerve schwannomas
I. Peciu-Florianu (Switzerland)

Flow-assisted surgery of spinal dural arteriovenous fistulas (SDAVFs)
O. Rustemi (Italy)
Scientific Programme

Fluorescein-guided surgery with a dedicated filter on the surgical microscope for resection of pilocytic astrocytomas: A multicentric retrospective preliminary study
F. Acerbi (Italy)

Focal dystonia in hemiplegic upper limb - favorable effect of cervical microsurgical DREZotomy involving ventral horn
G. Georgoulis (France)

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Reconstruction of cranial defect: a comparison between autologous and alloplastic materials
W. Abouzeid (Egypt)

Reconstructive cranioplasty with custom made prosthesis of porous hydroxyapatite: 16 years of experience
M. Fricia (Italy)
Scientific Programme

Reconstructive surgery of skull defects and cerebrospinal fluid dynamics disorders in the interim and late period of gunshot craniocerebral injury
A. Sirko (Ukraine)

Recovery of thenar atrophy in patients with carpal tunnel syndrome undergoing endoscopic carpal tunnel release
S.-H. Park (Korea, Republic of)

Redefining outcomes measures in neurosurgery: the impact of big data, predictive analytics, and wearable technology
A. Karhade (United States)

Regional outcome of decompressive hemicraniectomy in malignant middle cerebral artery infarction
A. Shoakazemi (United Kingdom)

Remote cerebellar hemorrhage following STA-MCA bypass surgery and cerebral hyperperfusion syndrome
A. Nemirovskiy (Russian Federation)

Reorganization of a spinal motoneuron nucleus following autologous nerve graft in the rat
D.M. Weinert (Germany)

Reparative properties of degenerated intravertebral disc cells
A. Karagianni (Greece)

Rescue mechanical thrombectomy using a retrievable stent for thromboembolism occurring during coil embolization of a ruptured intracranial aneurysm
I.B. Chang (Korea, Republic of)

RESCUE-ASDH: a randomised trial of decompressive craniectomy versus craniotomy for adults with acute subdural haematoma (rescueasdh.org)
A.G. Kolias (United Kingdom)

Residual tumor identification with intra-operative contrast-enhanced ultrasound during glioblastoma resection
F. Prada (Italy)

Restoration of functional integrity after evacuation of chronic subdural hematoma - an age-adjusted analysis of 697 patients
P. Schödel (Germany)

Result of the surgical treatment of 44 patients with posterior cranial dysraphism
A. Bussarsky (Bulgaria)

Results of microsurgical and endovascular treatment of 665 patients with unruptured asymptomatic cerebral aneurysms
A. Kheireddin (Russian Federation)

Results of surgical treatment of hemangioblastomas and spinal cavernomas
D. Asyutin (Russian Federation)
Scientific Programme

Results of surgical treatment of posttraumatic long-term basal cerebrospinal fluid leakage
V. Okhlopkov (Russian Federation)

Retinal vessel analysis (RVA) in the context of subarachnoid hemorrhage - A proof of concept study
G.A. Schubert (Germany)

Retractorendoscopic vs. open carpal tunnel release: a prospective double blinded randomized study with 12 months follow up
F.P. Schwarm (Germany)

Retractorless microneurosurgery: Is it a new standard of care?
A. Dafniotidis (Greece)

Retrospective analysis of risk factors for chronic subdural haematomas recurrence
P. Moura Branco (Portugal)

Retrospective analysis of traumatic brain injury cases due to road traffic accidents between 2009- 2014. Preliminary data of a single department study
A. Bimpis (Greece)

Return-to-work rate after single level lumbar discectomy for degenerative disc disease: a comparison of authors results with the data available in the SpineTango registry
A. Jędrzejek (Poland)

Revascularization surgery for cerebral ischemia treatment in patients with intracranial aneurysms
V. Lukianchikov (Russian Federation)

Review of the literature on decompressive hemicraniectomy to treat malignant middle cerebral artery infarction
S. Das (United Kingdom)

Revision rate of misplaced pedicle screws of the thoracolumbar spine - comparison of 3D fluoroscopy navigated with freehand placement- A systematic analysis
J. Fichtner (Switzerland)

Risk factors for poor outcome of surgical retreatment of previously treated intracranial aneurysms
T. Yanagisawa (Japan)

Risk factors for postoperative cranioplasty complications in a consecutive series of 360 cases: is there a rationale for earlier cranioplasties?
J.P. Posti (Finland)

Risk factors of shunt dependent hydrocephalus in aneurysmal subarachnoid hemorrhage: our experience and literature review
M. Blagia (Italy)

Role of hyperbaric oxygen therapy on spinal cord injury: report of 5 cases
R. Akdag (Turkey)
Role of malignant glioma surgical resection volume in patient outcomes optimizing
G. Pilipenko (Ukraine)

Rupture of pseudoaneurysm after posterior fossa craniectomy for low grade tumour resection
F. Giannikopoulou (Greece)

Ruptured intracanalicular aneurysm at the meatal loop of the distal anterior inferior cerebellar artery: a case report
R. Mikijanskis (Latvia)

Ruptured intracranial aneurysm after the age of seventy: mortality, long-term functional outcome and very long time survival (at least eleven years)
K.-F. Lindegaard (Norway)

S100B and glial fibrillary acidic protein as indexes to monitor damage severity in an in vitro model of traumatic brain injury
V. Di Pietro (United Kingdom)

Safety and efficacy in staged-volume Gamma Knife surgery as upfront or combined therapy for high-grade arteriovenous malformations
I. Peciu-Florianu (Switzerland)

Safety and efficacy of stereotactic aspiration with fibrinolysis for deep-seated spontaneous intracerebral hemorrhages: a single center experience
K. Simaitis (Lithuania)

Safety of carmustine wafers implanted intraoperatively for glioblastoma multiform
V. Xenaki (Greece)

Safety of endoscopic transnasal adenomatectomy
A. Tsitlakidis (Greece)

Safety of hands-on resident education for standard neurosurgical procedures
M.N. Stienen (Switzerland)

Safety, feasibility and potential benefits of biopsy and limited resection of pediatric DIPG as part of selection of treatment strategies
C. Chamilos (Greece)

Safety, tolerability, pharmacokinetics and efficacy of intraventricular sustained release nimodipine (EG-1962) for subarachnoid hemorrhage
D. Hänggi (Germany)

Scoliosis reduction and restoration of normal lumbar lordosis using a minimally invasive PLIF standalone technique
K. Uzunov (Bulgaria)

Screw fixation for atlantoaxial dislocation related to down syndrome in children younger than 5 years of age
K. Ito (Japan)
Selection strategy and outcomes of carotid endarterectomy and carotid artery stenting for carotid stenosis: real-world status of single institute in Japan
K. Hosoda (Japan)

Selective dorsal rhizotomy for the management of spasticity in children: an audit of the Nottingham experience
N.K. Mazarakis (United Kingdom)

Sex differences in delayed cerebral ischemia after subarachnoid hemorrhage
M.R. Germans (Netherlands)

"Should we irradiate selected meningiomas on LGK, or better to operate?", simple MRI features to predict post-SRS behaviour
D. Stastna (Czech Republic)

Shunt-age related complications in patients with suspected shunt dysfunction. A recommended diagnostic workup
L.H. Stieglitz (Switzerland)

Simulation in neurosurgical training: a blueprint and national approach to implementation for initial years trainees
L. Zhang (United Kingdom)

Simulation-based consultations in patients with skull base and cerebrovascular pathology
L. Schlachter (United States)

Six month analysis of simple decompressions for ulnar entrapment
G. Berikol (Turkey)

Size and location of ruptured intracranial aneurysms - consecutive series of 1993 hospital-admitted SAH patients
M. Korja (Finland)

Size of cortical motor area representation in accordance to sports- or musical-activity measured in patients planned for tumor resection in eloquent brain areas using nTMS
D. Schul (Germany)

Sleep disorders after mild traumatic brain injuries in elderly people
A. Mylonas (Greece)

Slit ventricle syndrome as a possible life-threatening neurosurgical emergency (Case Report)
Z. Mencser (Hungary)

Small single brainstem lesion in a young patient non immunocompromised - management - case illustration
C. Chrissicopoulos (Greece)

Specification analysis, design and prototyping of a burr hole endoscope stabilization device
D. Paraskevopoulos (United Kingdom)

Spinal ependymomas: analysis of surgical outcome
N. Paidakakos (United Kingdom)
Scientific Programme

Spinal epidural abscess: management and outcome
E. Drosos (Greece)

Spinal intramedullary arachnoid cyst: case report and literature review
A. Aljameely (Saudi Arabia)

Spinal lesions as first clinical manifestation of plasma cell neoplasia
M. Barz (Germany)

Spinal schwannomas: a series of 15 cases
A. Dafniotidis (Greece)

Spinal tophaceous gout and pseudogout - 2 rare cases
P. Ribeiro da Cunha (Portugal)

Split decompressive craniotomy for the management of raised intracranial pressure: a technical note
F. Fiorini (United Kingdom)

Spontaneous cerebrospinal fluid fistula of the clivus: A case report
S. Tavares (Portugal)

Spontaneous intracranial hypotension syndrome review - the success of blind epidural blood patch
L. Rocha (Portugal)

Spontaneous resolution of traumatic subarachnoid hemorrhage in a middle-age woman after a severe head injury-case report
N. Syrmos (Greece)

Sports-related head injury: the experience of the Burdenko neurosurgical institute
A. Gavrilov (Russian Federation)

Stereotactic brain biopsies using varioguide system: 101 cases experience
O. Bradáč (Czech Republic)

Stereotactic brain biopsy by CRW-type frame under general anesthesia
K. Stavridi (Greece)

Successful preservation of spinal stability after transvertebral keyhole foraminotomy for cervical radiculopathy analyzed with radiological data
Y. Nishimura (Japan)

Supraorbital keyhole craniotomy for anterior circulation aneurysms
R. Dzhindzhikhadze (Russian Federation)

Surgery of invasive regional tumors of the head
S. Rocka (Lithuania)

Surgical approaches to MCA aneurysms
G. Mrak (Croatia)

Surgical embolectomy in cardiogenic cerebral infarction; surgical techniques and our institutional efforts
K. Noda (Japan)
Surgical excisional approach for a sporadic hemangioblastoma in the pituitary stalk: A case report and a review of the literature
M. Shail (Aruba)

Surgical flow diversion for complex posterior circulation aneurysms
J. Lehmburg (Germany)

Surgical management of cervical Intramedullary spinal cavernoma
R. Messerer (France)

Surgical management of intradural extramedullary spinal tumors without neuronavigation and neurophysiological monitoring; an experience from pakistan
S.S. Bukhari (Pakistan)

Surgical management of tentorial meningiomas: a series of 101 cases
A. Talacchi (Italy)

Surgical management of transorbital penetrating brain injuries: the report of two cases
J.M. Saavedra (Colombia)

Surgical outcome of transcilliary keyhole surgery for ruptured intracranial aneurysm
I.S. Park (Korea, Republic of)

Surgical paradigms in the complete management of cervicothoracic mediastinal tumours
G. Prezerakos (United Kingdom)

Surgical planning for periventricular brain tumor resection
A. Rozumenko (Ukraine)

Surgical removal of intracranial cyst hydatid in three month pregnant woman
G. Berikol (Turkey)

Surgical resection of a traumatic pseudoaneurysm of the occipital artery. A case report
A.V. Kalyvas (Greece)

Surgical results of ependymomas of the cauda equina in adult
N. Konovalov (Russian Federation)

Surgical treatment and outcome of intradural extramedullary ( IDEM ) spinal tumors: analysis of 65 cases
G. Sharma (Nepal)

Surgical treatment for intractable generalized epilepsy in adult patients with a childhood onset
C. Yoshimura (Japan)

Surgical treatment of combat gunshot perforating traumatic craniocerebral injury
A. Sirko (Ukraine)
Scientific Programme

Surgical treatment of double-level isthmic spondylolisthesis: a case report and review of the literature  
L. Paixão (Portugal)

Surgical treatment of giant middle cerebral artery aneurysm  
R. Grandett (Colombia)

Surgical treatment of intramedullary spinal cord tumors  
I. Patsalas (Greece)

Surgical treatment of occipital encephalocele guided by (18) F-FDG PET/CT: report of two cases  
K. Bareikis (Lithuania)

Surgical treatment of pediatric patients with chronic cerebral ischemia  
E. Shevchenko (Russian Federation)

Surgical treatment of skull base tumors invading the craniovertebral junction  
A. Shkarubo (Russian Federation)

Surgical treatment of spinal cord intramedullary tumors in adult  
N. Konovalov (Russian Federation)

Surgical treatment of the upper cervical fractures: ten years experience  
I. Lvov (Russian Federation)

Surgically-treated spinal tumors of adulthood: a 10-year analysis of anatomic and epidemiologic characteristics  
I. Mavridis (Greece)

Surgically-treated subacute and chronic subdural hematomas: a 10-year analysis of epidemiologic and anatomic characteristics  
I. Mavridis (Greece)

Survival and functional outcomes after surgical treatment intramedullary spinal cord astrocytomas  
S. Timonin (Russian Federation)

Survival outcomes following repeat surgery for recurrent glioblastoma after up-front radio-chemotherapy: a single-center retrospective analysis  
C. Gambacciani (Italy)

Symptomatic adjacent segment disease (ASD) after lumbar or lumbosacral minimally invasive interbody fusion  
P. Mendivil (Argentina)

Synchronous pilocytic astrocytoma in an adult patient with concurrent neurofibromatosis type 1 and HIV infection  
D. Forte (Portugal)

Syringoperitoneal shunt in the treatment of posttraumatic syringomyelia: a review of 3 cases  
R. Mikijanskis (Latvia)

Terminal syringomyelia: report of three cases  
K. Gounaris (Greece)


**Scientific Programme**

- **The ‘invisible cyst’: tri-ventriculomegaly due to a third ventricular ependymal cyst**  
  M. Imran (United Kingdom)

- **The ability of recognizing and understanding emotions in patients with cerebellar lesions**  
  A. Bala (Poland)

- **The accuracy of the pedicle screws implanted percutaneously**  
  M. Krakowiak (Poland)

- **The anti-inflammatory action of serotonergic antidepressants in the treatment of chronic low back pain**  
  K. Gounaris (Greece)

- **The comparative features of cervical spondylotic myelopathy and neural sarcoidosis using contrast enhanced MRI**  
  M. Morozumi (Japan)

- **The consideration for surgical approach from the nondominant A1 side for medial rotation of anterior communicating artery aneurysm with wide-fork shape of A2**  
  H.S. Hwang (Korea, Republic of)

- **The contralateral subfalcine transcingulate approach for the treatment of a right cingulate gyrus cavernous angioma**  
  A. Germanò (Italy)

- **The contrast of colours in 5-aminolevulinic acid-induced fluorescence predicts the resection of a malignant glioma**  
  T. Szmuda (Poland)

- **The diagnosis and management of complicated lumbar disc hernias (failed back surgery syndrome)**  
  H.A. Moisa (Romania)

- **The differential diagnostic tactic of Spina bifida combined with hydrocephalus**  
  N. Turaeva (Uzbekistan)

- **The effect of etanercept on spinal epidural fibrosis in a postlaminectomy rat model**  
  C. Dinc (Turkey)

- **The expression of NLRP 3 inflammasome in idiopathic normal pressure hydrocephalus (iNPH): preliminary results**  
  A. Germanò (Italy)

- **The extended endoscopic supracerebellar infratentorial technique - an EESI approach to complex pineal region tumours!**  
  E. Culpin (United Kingdom)

- **The factors of progression of brain contusion and the factors of unfavorable outcome in patients with the brain contusion**  
  A. Kordonskiy (Russian Federation)
Scientific Programme

The impact of antimicrobial prescription audits and enhanced infection control measures in a neurosurgery department with high incidence of antibiotic resistance rates
P. Tsitsopoulos (Greece)

The incidence of cranial arteriovenous shunts in patients with pulsatile tinnitus
P. Willems (Netherlands)

The influence of bleeding time and platelet count on the severity of traumatic brain injury in patients with alcohol use disorder
P. Tsitsopoulos (Greece)

The introduction of first russian mobile app with a collection of grading scales and classifications in neurosurgery and neurology: a positive feedback from users
G. Danilov (Russian Federation)

The minipterional craniotomy: surgical experience with 102 ruptured and unruptured anterior circulation aneurysms
M. Jacobsen Teixeira (Brazil)

The neurosurgical management of cervical facet fractures resulting in acute or delayed spinal instability
J. Hamilton (United States)

The open microsurgical approach in ruptured anterior communicating artery aneurysms: selected cases vs. non-selected cases. An experience of two neurosurgical centers
A.V. Ciurea (Romania)

The optimal timing of the surgical treatment of patients with aneurysmal intracranial hemorrhage
V. Tkachev (Russian Federation)

The oscillatory flow of cerebrospinal fluid in the Sylvian aqueduct and the prepontine cistern measured with phase contrast MRI in children. Preliminary report
E. Nowoslawksa (Poland)

The radiation necrosis after cyber knife surgery for brain metastasis - case report
I. Blumenau (Russian Federation)

The results of endoscopic and open surgery putamenal hypertensive hematomas
A. Sytnik (Russian Federation)

The role of CD15 for cancer stem cells identification in glioblastoma
J. Plata Bello (Spain)

The role of electroacupuncture in stroke treatment - Current knowledge and future perspectives
P. Zogopoulos (Greece)

The role of intraoperative electrophysiological multimodality monitoring in anterior cervical spine procedures
E.R.M. Robinson (United States)
Scientific Programme

The role of proinflammatory cytokines in the development of thrombosis in neurosurgical and trauma patients
A. Karagianni (Greece)

The role of surgical resection for single large brain metastases: feasibility, morbidity and local control evaluation
F. Pessina (Italy)

The role of vitamins C and E and tPA in oxidative stress after ischemia/reperfusion injury in rats sciatic nerve
A. Apostolopoulou (Greece)

The secret of quiet and fast hand of average experienced neurosurgeons and residents. (possibility of significant reduction of exclusion time during bypass)
A. Csókay (Hungary)

The spot sign of computed tomography angiography in intracerebral hemorrhage; is there location specific clinical implications?
S.U. Kim (Korea, Republic of)

The superior frontal transsulcal corridor to the anterior ventricular system. Exploring the sulcal and subcortical anatomy using white matter dissections and DTI tractography
F. Liakos (Greece)

The surgical outcomes of cerebellopontine angle tumors: retrospective analyses of the last 10 years and a review of the literature
Ö.H. Emmez (Turkey)

The surgical treatment outcomes and prevention of ischemic stroke in patients with bilateral atherosclerotic stenosis and occlusion changes of brachiocephalic arteries
V. Dalibaldyan (Russian Federation)

The UK’s first case series of 5-aminolevulinic acid use in paediatric brain tumours
N. Thamenah Kalyal (United Kingdom)

The use of diffuse-tensor imaging for optimizing the surgical strategy for brainstem cavernous malformations
I. Tysh (Ukraine)

The use of individualised titanium cranial implants in the cranioplasty after head injury - the personalised reconstructive neurosurgery, present and the future
B. Kolarovszki (Slovakia)

The use of transitional flexible rods in adult deformity correction to prevent proximal junctional kyphosis - short/ middle term results
G.L. Morassi (United Kingdom)

The value of short-term pain relief in predicting the 1-month outcome of cervical nerve root infiltration
M.N. Stienen (Switzerland)

The value of short-term pain relief in predicting the 1-month outcome of lumbar transforaminal nerve root infiltration
M.N. Stienen (Switzerland)
Scientific Programme

The white matter tracts of the cerebrum in ventricular surgery and hydrocephalus HE
A. Güngör (Turkey)

Thoracolumbar epidermoid cyst causing progressive paraparesis - case report and review of the literature
K. Stoforou (Greece)

Three-dimensional MRI reconstruction for pre-surgical planning using free Osirix software for intracranial tumors
A.L. Campos Paiva (Brazil)

Thrombosis of cerebral veins and sinuses
R. Jha (Nepal)

Tibial neuropathy compressed by Baker cyst; case report
A. Choi (Korea, Republic of)

Total removal of multiple cervical schwannomas in 2 patients with Schwannomatosis
C. Georgopoulos (Greece)

Trans-F1 or trans-F2? Which access to the lateral ventricle damages more functional white matter fibers?
M. Krakowiak (Poland)

Transient psychosis due to lesion effect after deep brain stimulation surgery
C. Anagnostopoulos (Greece)

Transmuscular tubular approach for foraminal and far lateral lumbar disc herniations
P. Mendivil (Argentina)

Transpedicular corpectomy in thoracolumbar column traumatic fracture
J.A. Franco- Jiménez (Mexico)

Transsphenoidal pituitary tumor surgery improves visual function in case of preoperative visual impairment
V. Butenschön (Germany)

Transtubular microsurgical approach for lumbar stenosis or disc herniation
M. Georgiopoulos (Greece)

Traumatic brain injury in Belgium: a longitudinal epidemiological study
K. Van Loock (Belgium)

Treating “Abnormal” NPH: lumboperitoneal shunt for Hakim’s adult hydrocephalus
R. Andrews (United States)

Treatment options for recurrent glioblastoma multiforme
R. Ilic (Serbia)

Trends in the levels of C-reactive protein with and without application of moderate hypothermia in patients of neurosurgical ICU
A. Minasyan (Germany)
Trends in the management and hospital outcome of spontaneous subarachnoid hemorrhage in the post-ISAT era in Greece: analysis of 719 patients during a 13-year period
G. Stranjalis (Greece)

Trial update on a randomised, double-blind, placebo-controlled trial of a two-week course of dexamethasone for adult patients with a symptomatic chronic subdural haematoma (Dex-CSDH trial)
E. Edlmann (United Kingdom)

Trigeminal neuralgia due to venous neurovascular conflicts: outcome after microvascular decompression in a series of 86 consecutive patients
A. Brinzeu (France)

Trigeminal neuralgia treatment with balloon compression - Experience of one centre
P. Moura Branco (Portugal)

Trigeminal schwannoma in a pediatric patient: a case report
Ö.H. Emmez (Turkey)

Type of infarction and infarct volume correlate with overall survival after glioblastoma surgery
J. Gempt (Germany)

Typical versus non-typical idiopathic normal pressure hydrocephalus: the importance of cognition and gait characteristics in predicting tap test and shunt outcomes
E. Liouta (Greece)

Ultrasound guidance in orbital tumor resection
V.V. Nazarov (Russian Federation)

Ultrasound of the optic nerve sheath diameter in spontaneous intracranial hypotension before and after microsurgical closure of a dural CSF-fistula
J. Fichtner (Switzerland)

Unilateral pedicle screw fixation with the use of wide-surface modular interbody cages in degenerative lumbar spine disease
A. Di Rita (Italy)

Unruptured intracranial aneurysm follow-up and treatment after morphological change is safe: observational study and systematic review
P. Bijeng (Switzerland)

Upfront radiosurgery and combined management for intracranial dural arterio-venous fistulas
I. Peciuc-Florianu (Switzerland)

Use of 3D reconstructed angiogram and IntraOp ICG angiogram in anatomically difficult Aneurysms: Discussion of interesting unusual cases - video presentation
S. Jayabalani (India)

Use of decorin to prevent epidural fibrosis in a post-laminectomy rat model
C. Dinc (Turkey)
Scientific Programme

Use of indomethacin in the prevention of normal perfusion pressure breakthrough phenomenon
J.M. Revuelta Barbero (Spain)

Utilisation of MRI in suspected cauda equina syndrome
T.S. Berrington (United Kingdom)

Utility of transbrachial coil embolization of cerebral aneurysms in the anterior cerebral circulation
T. Mori (Japan)

Vago-glossopharyngeal neuralgia revealed by digestive manifestations and cured by micro-vascular decompression of the IX-Xth cranial nerves. Video presentation
P. Antherieu (France)

Validation of the baseline severity stratification of objective functional impairment in lumbar degenerative disc disease
M.N. Stienen (Switzerland)

Value of fluorescein sodium guided resection of recurrent glioblastoma multiforme - experience of three European centers
J. Höhne (Germany)

Ventilator waveforms on anesthesia machine: A simple tool for intraoperative mapping of mid-cervical roots and phrenic nerve
G. Georgoulis (France)

Ventriculoatrial shunting as primary option for the treatment of normal pressure hydrocephalus
T. Vivas-Buitrago (United States)

Visual outcomes after multidisciplinary surgery of hyperostotic sphenoorbital meningiomas
A.H. Zamanipoor Najafabadi (Netherlands)

Whether to recommend operation when benign brain tumor was found in elderly patients in the age 70 or older
C.H. Kim (Korea, Republic of)

Which is the best time of the day for surgical treatment of the patients with aneurysmal intracranial hemorrhage?
I. Blumenau (Russian Federation)

Which subcallosal fasciculus? and where?
O. Tanrıverdi (Turkey)

Will multimedia questionnaire be a better tool to evaluate the health status children with of hydrocephalus?
J.E. Tan (Ireland)

Comparative effectiveness of surgery for acute subdural hematoma

Cerebral cavernous malformations in eloquent brain areas in children. The necessity for total resection without violating the functional and physiological integrity
Scientific Programme

Skull base meningiomas: microsurgical resectability, outcomes and complications according to location
M. Naddeo (Italy)

FLANC Session, WFNS Session
13:00 - 16:00
Mitropoulos Hall

FLANC Session

Chairs:
C. Yampolsky (Argentina)
E. Chatzidakis (Greece)

13:00 - 13:10
Surgical Treatment of spinal intradural tumors in adults: surgical experience
F. Valdivia (Chile)

13:10 - 13:20
Cervical disks: discectomy, ACDF, lessons learned and results
R. Burgos (Colombia)

13:20 - 13:30
Burst stimulation with Penta electrode for FBSS
E. Osorio (Colombia)

13:30 - 13:40
Minimal Invasive Surgery and biological fusion in lumbar stenosis
T. Perilla (Colombia)

13:40 - 13:50
Moya Moya disease management: Latinamerican experience
L. Quintana (Chile)

13:50 - 14:00
Clinical mistakes in SAH management
E. Spagnuolo (Uruguay)

14:00 - 14:10
Surgical treatment of distal anterior cerebral artery aneurysms
F. Garcia Colmena (Argentina)

14:10 - 14:20
Spontaneous intracerebral hemorrhage: current management and possible new surgical indications
F. Goldenberg (Argentina)

14:20 - 14:30
Spinal AVMs: microsurgical treatment
F. Papalini (Argentina)

14:30 - 14:40
Surgery for facial hemispasm
R. Revuelta-Gutiérrez (Mexico)

14:40 - 14:50
The internal auditory canal in vestibular schwannoma surgery
E. Urculo (Spain)

14:50 - 15:00
Anterior skull base tumors: moving toward new approaches
J.A. Landeiro (Brazil)

15:00 - 15:10
Skull base meningiomas: lessons learned
L. Alencar Borba (Brazil)

15:10 - 15:20
Management of high grade glioma in older patients
J.M. Rotta (Brazil)
Scientific Programme

Epilepsy surgery in children: focal resection in large malformation lesions
M. Campos (Chile) 15:20 - 15:30

Percutaneous balloon compression of the trigeminal ganglion for trigeminal neuralgia: review of critical technical details and outcome
M. Gonzales Portillo (Peru) 15:30 - 15:40

FLANC Session, WFNS Session
16:30 - 19:00

WFNS Session

Chairs:
Y.-K. Tu (Taiwan)
P. Selviaridis (Greece)

Ethical Consideration in management of Neurosurgical Emergencies
F. Servadei (Italy) 16:30 - 16:45

Surgery of large and giant acoustic neuroma: Current strategy
B. Misra (India) 16:45 - 17:00

Pituitary adenoma and cavernous sinus: Coexistence in a difficult environment
E. Knosp (Austria) 17:00 - 17:15

Keyhole extradural clinoidectomy: Technique, combinations and applications.
J. Mura (Chile) 17:15 - 17:30

Pros and cons of cranietomy vs endonasal endoscopy for tuberculum sella meningioma
A. Dehdashti (United States) 17:30 - 17:45

Management of pediatric brainstem tumors
J. Rutka (Canada) 17:45 - 18:00

Challenges in management of Cushing Disease
I. Kanaan (Saudi Arabia) 18:00 - 18:15

Emergence of cortical screws in mini-open lumbar spine surgery
D. Refai (United States) 18:15 - 18:30

Biology of brain tumours and future treatments
A. Kaye (Australia) 18:30 - 18:45

Strategies in the management of intracranial AVM after ARUBA study
Y.-K. Tu (Taiwan) 18:45 - 19:00
Scientific Programme

Ceremonies
19:45 - 21:15
Trianti Hall

Welcome Session
Free of charge

Welcome from the EANS2016 Congress President
P. Selviaridis (Greece)

Welcome from the EANS2016 Vice President
A. Andreou (Greece)

Welcome from the Secretary of the EANS2016 Congress
N. Foroglou (Greece)

Welcome from the EANS President
A. Grotenhuis (Netherlands)

The new Acropolis Museum
D. Pantermalis (Greece)

Greek Anthology (selection of finest popular songs), S. Theodoridou (Soprano)

Ceremonies
21:15 - 22:30
Trianti Hall

Welcome Reception in the Exhibition Area
Free of charge

Ceremonies
21:15 - 22:30
Banqueting Hall

Welcome Reception in the Exhibition Area
Free of charge

Ceremonies
21:15 - 22:30
Mitropoulos Hall

Welcome Reception in the Exhibition Area
Free of charge
Scientific Programme

Ceremonies
21:15 - 22:30  Skalkotas Hall

Welcome Reception in the Exhibition Area
Free of charge

Ceremonies
21:15 - 22:30  MC 3

Welcome Reception in the Exhibition Area
Free of charge

Ceremonies
21:15 - 22:30  MC 2

Welcome Reception in the Exhibition Area
Free of charge

Ceremonies
21:15 - 22:30  MC 3.2

Welcome Reception in the Exhibition Area
Free of charge

Ceremonies
21:15 - 22:30  MC 3.3

Welcome Reception in the Exhibition Area
Free of charge

Ceremonies
21:15 - 22:30  MC 3.5

Welcome Reception in the Exhibition Area
Free of charge
Scientific Programme

Monday, 05 September 2016

Neuro-Oncology
07:30 - 09:20
Trianti Hall

Gliomas 1 (Monitoring - Strategies - Outcome)

Chairs:
H. Duffau (France)
N. Foroglou (Greece)

- **Low grade/lower grade gliomas management: Imaging and surgery**
  L. Bello (Italy)
  07:30 - 07:45

- **Treatment strategies in low grade gliomas**
  O. Solheim (Norway)
  07:45 - 08:00

- **Role and relief of epilepsy in patients with glioma**
  H. Clusmann (Germany)
  08:00 - 08:15

- **The pursuit of cognitive preservation in patients undergoing surgery for intrinsic brain tumours**
  Z. Ram (Israel)
  08:15 - 08:30

- **How safe is awake craniotomy with intraoperative mapping?**
  J. Brennum (Denmark)
  08:30 - 08:45

- **Introducing the “PADS” criteria for patient selection in awake craniotomy: results of a systematic review of the literature**
  F. Marrone (United Kingdom)
  08:45 - 08:51

- **Using resting-state-fMRI to identify language related areas in tumor patients. A feasibility study**
  C. Ott (Germany)
  08:51 - 08:57

- **Brain Cancer: teacher and friend**
  A. Seferlis (Greece)
  08:57 - 09:17

Spine
07:30 - 09:20
Banqueting Hall

Cervical spine

Chairs:
R. Assaker (France)
A. Spiliotopoulos (Greece)

- **Hybrid solutions in routine surgical management of multilevel cervical disc disease**
  V. Papanastassiou (Cyprus)
  07:30 - 07:45

- **Cervical deformity and its clinical implications**
  R. Assaker (France)
  07:45 - 08:00
Scientific Programme

Cervical arthroplasty - long term efficacy and complications. 08:00 - 08:15
M. Vukic (Croatia)

Modern management of cervical canal stenosis 08:15 - 08:30
B. Iliescu (Romania)

Post-traumatic myelopathy - indications, surgical techniques and clinical results 08:30 - 08:45
N. Marklund (Sweden)

Cervical laminoplasty 08:45 - 09:00
V. Guzman (Chile)

Vascular
07:30 - 09:20
Mitropoulos Hall

Cerebral AVM 1

Chairs:
D. Bervini (Switzerland)
I. Fouyas (United Kingdom)

Endovascular treatment of acute ischemic stroke 07:30 - 07:45
S. Tjoumakaris (United States)

Demographics brain arteriovenous malformation 07:45 - 08:00
H.-J. Steiger (Germany)

AVM treatment. The Edinburgh series 08:00 - 08:15
I. Fouyas (United Kingdom)

Symptomatic brain AVM: Surgical approach 08:15 - 08:30
M. Gorgan (Romania)

Surgery for unruptured brain AVM is better than conservative treatment for selected cases 08:30 - 08:45
D. Bervini (Switzerland)

Quality of life in AVMS patients 08:45 - 09:00
A. Laakso (Finland)

Advances in image fusion for image guided AVM microsurgery and radiosurgery 09:00 - 09:06
M. Javadpour (Ireland)

Combined endovascular and microsurgical intervention in the treatment of arteriovenous malformations - a hybrid approach 09:06 - 09:12
S. Marbacher (Switzerland)

Diagnostic value of dynamic 4D-CTA in cranial arteriovenous shunts 09:12 - 09:18
P. Willems (Netherlands)
Neurosurgery: From the Classics to the future (EANS 2016),
September 4 - 8, 2016,
Athens, Greece

### Scientific Programme

**Functional**
07:30 - 09:20

**Psychiatric disorders - Functional**

**Chairs:**
M. Broekman (Netherlands)
A. Goncalves-Ferreira (Portugal)

<table>
<thead>
<tr>
<th>Title</th>
<th>Time</th>
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<tbody>
<tr>
<td>Emotion and consciousness can be activated by deep cerebellar</td>
<td>07:30 - 07:45</td>
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<tr>
<td>stereotactic stimulation</td>
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<td>M. Galanda (Slovakia)</td>
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<tr>
<td>Surgery for eating disorders and drug addiction: An update</td>
<td>07:45 - 08:00</td>
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<tr>
<td>A. Goncalves-Ferreira (Portugal)</td>
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<tr>
<td>« What future for DBS in Depression”</td>
<td>08:00 - 08:15</td>
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<td>J. Regis (France)</td>
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<tr>
<td>Post-traumatic stress disorder symptoms are not caused by Brain</td>
<td>08:15 - 08:21</td>
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<tr>
<td>surgery</td>
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<td>V. Kammermeier (Germany)</td>
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<tr>
<td>Anxiety and depression in skull base surgery: A comparison between</td>
<td>08:21 - 08:27</td>
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<td>endonasal and open transcranial approaches</td>
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<td>E. Shiban (Germany)</td>
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<tr>
<td>Incidence and Influence of psychiatric disorders before and one year</td>
<td>08:27 - 08:33</td>
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<td>after brain surgery</td>
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<td>E. Shiban (Germany)</td>
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<tr>
<td>Ethical clinical translation of stem cell transplants for neurological</td>
<td>08:33 - 08:39</td>
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<td>disease: a neurosurgical perspective</td>
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<td>M. Broekman (Netherlands)</td>
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<tr>
<td>Novel unidirectional drug delivery system to the brain</td>
<td>08:39 - 08:45</td>
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<tr>
<td>V. Patel (United States)</td>
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<tr>
<td>Fourteen years experience in one center in Belgium of selective</td>
<td>08:45 - 08:51</td>
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<tr>
<td>peripheral denervation in cervical dystonia. Results and</td>
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<td>complications, retrospective study</td>
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<td>M. Thys (Belgium)</td>
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<tr>
<td>Modulation of the tractography-based target for Parkinson´s disease</td>
<td>08:51 - 08:57</td>
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<td>is correlated with the motor improvement</td>
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<td>J. Avecillas-Chasin (Spain)</td>
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<tr>
<td>Transcutaneous electrical nerve stimulation (TENS) has no predictive</td>
<td>08:57 - 09:03</td>
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<tr>
<td>value for a patient selection for PNfS treatment: a retrospective</td>
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<td>analysis of 25 cases with PNFS</td>
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<td>F.P. Schwarm (Germany)</td>
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<tr>
<td>Microsurgical DREZotomy : indications in pain from malignant origin</td>
<td>09:03 - 09:09</td>
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<td>(with video)</td>
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<td>M. Duraffourg (France)</td>
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</tbody>
</table>
## Scientific Programme

### Neurotrauma
07:30 - 09:20

**Biomarkers - Monitoring**

**Chairs:**
I. Patsalas (Greece)
A. Buki (Hungary)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker(s)</th>
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</thead>
<tbody>
<tr>
<td>07:30 - 07:45</td>
<td>Report on a systematic review on biomarkers of traumatic brain injury</td>
<td>S. Mondello (Hungary)</td>
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<tr>
<td>07:45 - 08:00</td>
<td>Advances in neuro-monitoring</td>
<td>P. Hutchinson (United Kingdom)</td>
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<tr>
<td>08:00 - 08:15</td>
<td>Translational research in TBI: Why did we fail?</td>
<td>A. Buki (Hungary)</td>
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<td>08:15 - 08:30</td>
<td>The role of pericytes in neurovascular unit</td>
<td>I. Solaroglu (Turkey)</td>
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<td>08:30 - 08:45</td>
<td>From scene to neurointensive care - how to follow the process of care and identify outliers</td>
<td>L. Levi (Israel)</td>
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<tr>
<td>08:45 - 08:51</td>
<td>Evaluation of diffusion kurtosis imaging parameters in traumatic brain injury</td>
<td>N. Zakharova (Russian Federation)</td>
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<tr>
<td>08:51 - 08:57</td>
<td>Transcranial ultrasonography in pediatric patient with traumatic brain injury</td>
<td>M. Talabaev (Belarus)</td>
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<tr>
<td>08:57 - 09:03</td>
<td>Management of severe traumatic head injury - self-fulfilling nihilism or good judgement?</td>
<td>M. Smith (United Kingdom)</td>
</tr>
<tr>
<td>09:03 - 09:09</td>
<td>The management of patients presenting with a primary diagnosis of traumatic brain injury to university hospitals coventry and warwickshire: audit</td>
<td>G. Yogeswaran (United Kingdom)</td>
</tr>
<tr>
<td>09:09 - 09:15</td>
<td>Mortality in elderly patients operated for an acute subdural hematoma: a surgical case series</td>
<td>R. Raj (Finland)</td>
</tr>
<tr>
<td>09:15 - 09:21</td>
<td>Trauma of the really old: 30-day mortality of patients older than 90 years old</td>
<td>E. Shiban (Germany)</td>
</tr>
</tbody>
</table>

### Neuro-Oncology
07:30 - 08:30

**Pineal tumours**

Limited seats available. Reserve your place while registeren for EANS2016.
Scientific Programme

**Case presentation I**  
U. Ture (Turkey)  
07:30 - 07:50

**Case presentation II**  
V. Benes (Czech Republic)  
07:50 - 08:10

**Case presentation III**  
O. Al-Mefty (United States)  
08:10 - 08:30

**Vascular**  
07:30 - 08:30  
MC 3.3

**MCA aneurysms**  
Limited seats available. Reserve your place while registering for EANS2016.

**Case presentation I**  
V. Seifert (Germany)  
07:30 - 07:50

**Case presentation II**  
A. Raabe (Switzerland)  
07:50 - 08:10

**Case presentation III**  
A. Andreou (Greece)  
08:10 - 08:30

**Neuro-Oncology**  
07:30 - 08:30  
MC 3.5

**Keyhole approach in anterior fossa**  
Limited seats available. Reserve your place while registering for EANS2016.

**Case presentation I**  
A. Delitala (Italy)  
07:30 - 07:50

**Case presentation II**  
P. Selviaridis (Greece)  
07:50 - 08:10

**Case presentation III**  
A. Grotenhuis (Netherlands)  
08:10 - 08:30

**Keynote Lectures**  
09:30 - 11:00  
Trianti Hall

**Keynote Lectures I**

**Chairs:**  
S. Constantini (Israel)  
T.R. Meling (Norway)

**The current state of disc replacement**  
R. Bartels (Netherlands)  
09:30 - 09:45
**Scientific Programme**

**Molecular pathology in the new WHO classification of brain tumours. Implications for the diagnosis of diffuse gliomas**
A. von Deimling (Germany)  
09:45 - 10:05

**Basic and applied aspects of TBI**
A. Potapov (Russian Federation)  
10:05 - 10:20

**Management of recurrent malignant glioma revisited**
J.-C. Tonn (Germany)  
10:20 - 10:40

**Complex/Giant aneurysms. A bi-manual surgeons' perspective**
A. Andreou (Greece)  
10:40 - 11:00

**Keynote Lectures**

11:30 - 13:00  
Trianti Hall

**Keynote Lectures II**

**Chairs:**  
J. Lafuente (Spain)  
P. Hutchinson (United Kingdom)

**Chordoma: The facts are there**
O. Al-Mefty (United States)  
11:30 - 11:50

**Brachial plexus injury**
M.J.A. Malessy (Netherlands)  
11:50 - 12:05

**Neuromodulation for pain**
T. Aziz (United Kingdom)  
12:05 - 12:20

**Natural history of diffuse low-grade glioma and impact of surgery**
H. Duffau (France)  
12:20 - 12:40

**Endoscopic management of skull base defects**
I. Constantinidis (Greece)  
12:40 - 12:55

**Corporate Symposium**

13:20 - 14:20  
Skalkotas Hall

**Corporate Symposium**

For information about the scientific programme of this symposium please click here: www.eans2016.com/#Corporate-Symposia

**Corporate Satellite Workshop**

13:20 - 14:20  
MC 3.2
Scientific Programme

Oral ePoster Presentation (during Coffee Break)
13:30 - 14:30

Oral ePoster presentations

Chairs:
T. Belli (United Kingdom)
S. Voulgaris (Greece)

Can combined bypass surgery at the middle cerebral artery territory save the anterior cerebral artery territory in adult moyamoya disease?
W.-S. Cho (Korea, Republic of) 13:30 - 13:33

Parietal lobe association deficits in patients with gliomas: A prospective study
E. Liouta (Greece) 13:33 - 13:36

Safety of hands-on resident education for standard neurosurgical procedures
M.N. Stienen (Switzerland) 13:36 - 13:39

M. Cushing - surgical outcome with respect to control of ACTH excess in a single centre series
O. Mueller (Germany) 13:39 - 13:42

Microsurgery of posterior circulation aneurysms: a single surgeon experience
O. Churi (India) 13:42 - 13:45

Arginine vasopressin and its surrogate marker copeptin in cerebral vasospasm and hyponatraemia after aneurysmal subarachnoid haemorrhage
A.A. Adamides (Australia) 13:45 - 13:48

Is it ethical to practice on living patients? who should we respect more, the living patient or the dead body?
A. Csókay (Hungary) 13:48 - 13:51

Treatment options for recurrent glioblastoma multiforme
R. Ilic (Serbia) 13:51 - 13:54

Global microRNA expression analysis of Sox-2 positive and negative glioblastoma cells
M. Smrčka (Czech Republic) 13:54 - 13:57

Antithrombotic medication and bleeding risk in patients with cerebral cavernous malformations: a cohort study
C. Jäggi (Switzerland) 13:57 - 14:00

Surgical management of tentorial meningiomas: a series of 101 cases
A. Talacchi (Italy) 14:00 - 14:03

Microsurgical rat sidewall aneurysm model for testing flow diverter efficacy
R. Aquarius (Netherlands) 14:03 - 14:06
Neurosurgery: From the Classics to the future (EANS 2016),
September 4 - 8, 2016,
Athens, Greece

Scientific Programme

Neuro-Oncology
14:30 - 16:30
Trianti Hall

Gliomas 2 (Insula - Thalamus - Biomarkers)

Chairs:
J.-C. Tonn (Germany)
U. Ture (Turkey)

Molecular signature of gliomas-impact for surgical decision making?
J.-C. Tonn (Germany)
14:30 - 14:45

The emerging concept of circulating biomarkers in gliomas
M. Westphal (Germany)
14:45 - 15:00

Surgery for insular gliomas
H. Duffau (France)
15:00 - 15:15

Surgery for insular tumours
E. Ozgiray (Turkey)
15:15 - 15:30

Surgery of insular tumours through transsylvanian approach
D. Pitskhelauri (Russian Federation)
15:30 - 15:45

Surgical approaches to the thalamus
U. Ture (Turkey)
16:00 - 16:15

Navigated 3D-ultrasound guided resection of insular low grade gliomas
A. Steno (Slovakia)
16:15 - 16:30

Spine
14:30 - 16:30
Banqueting Hall

Thoracic and lumbar spine

Chairs:
N. Altinors (Turkey)
K. Paterakis (Greece)

Thoracic discectomy: A comparison of surgical strategies
A. Demetriades (United Kingdom)
14:30 - 14:45

Thoracolumbar spine fractures (T11-L12): How to manage using available classifications and scores
B. Costachescu (Romania)
14:45 - 15:00

New facilities in spine fixation
M. Fornari (Italy)
15:00 - 15:15

Percutaneous vertebral augmentation techniques
N. Altinors (Turkey)
15:15 - 15:30

Interspinous spacers. Is there a legitimate indication for their use?
M. Cunha e Sa (Portugal)
15:30 - 15:45
Scientific Programme

Spinal cord and nerve roots compressive syndromes
M. Spyrou (Cyprus)
15:45 - 16:00

Failure rates and complications of interspinous process decompression devices: a European multicenter study
M. Galarza (Spain)
16:00 - 16:06

Minimally invasive, percutaneous transpedicular fixation in patients with traumatic thoracolumbar spinal fractures
N. Velinov (Bulgaria)
16:06 - 16:12

Clinical outcomes from the learning curve of MIDline lumbar fusion (MIDLF®) using the cortical bone trajectory
V. Arzoglou (Greece)
16:12 - 16:18

Cauda equina syndrome: What happens to the patients who have CES symptoms but negative scans?
I. Hoeritzauer (United Kingdom)
16:18 - 16:24

Tackling the time to treatment in cauda equina syndrome (CES)
I. Tulloch (United Kingdom)
16:24 - 16:30

Vascular
14:30 - 16:30
Mitropoulos Hall

Spinal AVM/F - Cerebral cavernomas

Chairs:
H. Bertalanffy (Germany)
M. Fontanella (Italy)

Endovascular Perspective of Spinal Dural AVFs
A. Boulos (United States)
14:30 - 14:45

Meta-analysis of endovascular versus surgical treatment of spinal dural AV-fistulas
M. van Dijk (Netherlands)
14:45 - 15:00

Cerebral cavernomas
M. Fontanella (Italy)
15:00 - 15:15

Brainstem and deep seated cavernomas
H. Bertalanffy (Germany)
15:15 - 15:30

Cavernomas and venous anomalies, what is the truth?
U. Sure (Germany)
15:30 - 15:45

Management of brain cavernomas
L. Ley (Spain)
15:45 - 16:00

Use of simulation and augmented reality in cerebrovascular surgery
J. Bederson (United States)
16:00 - 16:15
Neurosurgery: From the Classics to the future (EANS 2016),
September 4 - 8, 2016,
Athens, Greece

Scientific Programme

Functional
14:30 - 16:30
Skalkotas Hall

Movement disorders
Chairs:
E. Boviatsis (Greece)
A. Savas (Turkey)

- Neurosurgery of movement disorders - from coagulation to deep brain stimulation
  D. Chudy (Croatia)  
  14:30 - 14:45

- Developments in DBS in parkinson’s disease
  J. FitzGerald (United Kingdom)  
  14:45 - 15:00

- Targeting in parkinson’s disease: Which DBS target is best?
  F. Acar (Turkey)  
  15:00 - 15:15

- Surgical treatment of dystonia
  A. Savas (Turkey)  
  15:15 - 15:30

- Neuromodulative treatment of dystonia
  T. Mandat (Poland)  
  15:30 - 15:45

- Dorsal rhizotomy: surgical results
  G. Georgoulis (France)  
  15:45 - 16:00

- Neurosurgical management of severe spasticity
  A. Koulousakis (Germany)  
  16:00 - 16:15

Neurotrauma
14:30 - 16:30
MC 3

Prognosis & Outcome
Chairs:
A. Buki (Hungary)
A. Vakis (Greece)

- Second impact syndrome in sport traumatology: facts, myths and scientific evidence.
  S. Signoretti (Italy)  
  14:30 - 14:45

- Long term results of decompressive surgeries for severe TBI
  T. Ucar (Turkey)  
  14:45 - 15:00

- Blast TBI
  T. Belli (United Kingdom)  
  15:00 - 15:15

- Development of a 3D medical printer for intraoperative implant generation
  G. von Campe (Austria)  
  15:15 - 15:30

- From neurointensive care after TBI to rehabilitation - the path is neither smooth nor homogenous
  L. Levi (Israel)  
  15:30 - 15:45
Scientific Programme

**Outcome from mild traumatic brain injury - Predicting value for MRI**

P. Vulekovic (Serbia)

**Place of early MRI in clinical management of patients with mild traumatic brain injury**

M. Karan (Serbia)

**Neuro-Oncology**

17:00 - 19:00

Trianti Hall

**Meningiomas**

Chairs:
M.N. Pamir (Turkey)
K. Polyzoidis (Greece)

- **Meningioma management**
  O. Al-Mefty (United States)

- **Is there evidence in meningioma treatment?**
  R. Goldbrunner (Germany)

- **Anterior skull base meningiomas 20 years experience**
  M. Vaverka (Czech Republic)

- **Falx meningiomas**
  M.N. Pamir (Turkey)

- **Clival meningiomas**
  S. Florian (Romania)

- **Petroclival meningiomas: Surgical management and results**
  M. Tatagiba (Germany)

- **Microsurgery of olfactory groove meningioma**
  Ö.H. Emmez (Turkey)

- **Management of parasagittal meningiomas - a single center experience**
  E. Knosp (Austria)

- **Foramen magnum meningiomas: a modern series of 14 consecutive patients**
  E. Shiban (Germany)

**Spine**

17:00 - 19:00

Banqueting Hall

**Spinal cord injury & Peripheral nerve**

Chairs:
F. Servadei (Italy)
A. Chatzisotiriou (Greece)
Scientific Programme

Clinical studies in spinal cord injuries
F. Servadei (Italy) 17:00 - 17:20

DTI MRI/SLIC correlations in the assessment and prognosis of traumatic cervical spine injury
M. Dabija (Romania) 17:20 - 17:35

Brain plasticity after severe brachial plexus injury followed by surgical repair - Impact on quality of life, patient satisfaction and disability
L. Rasulic (Serbia) 17:35 - 17:50

Controversies in nerve transfers for upper brachial plexus palsy due to traction injuries
L. Rasulic (Serbia) 17:50 - 18:05

Giant spinal nerve sheath tumours. Surgical challenges. Multidisciplinary approach
M. Ivanov (United Kingdom) 18:05 - 18:20

Surgical treatment of thoracic outlet syndrome
R. Alimehmeti (Albania) 18:20 - 18:35

Fatal cervical spine injuries: A Finnish nationwide register-based epidemiological study on data from 1987 to 2010
T. Thesleff (Finland) 18:35 - 18:41

Minimally invasive posterior subscapular approach to the brachial plexus
G. Tender (United States) 18:41 - 18:47

Deep brain stimulation for neuropathic pain after brachial plexus traumatic lesion: evaluation of the results after a 36 months follow-up period and electromyographic subgroup analysis
P. Monteiro (Portugal) 18:47 - 18:53

Vascular
17:00 - 19:00 Mitropoulos Hall

Cerebral AVM 2

Chairs:
T.R. Meling (Norway)
V. Varsos (Greece)

Natural history of AVMs
A. Laakso (Finland) 17:00 - 17:15

Current concepts on AVM treatment
J. Moret (France) 17:15 - 17:30

AVM: What's good in surgery and what's bad in Aruba
M. Cenzato (Italy) 17:30 - 17:45

Combined treatment of cerebral AVMs with embolization and surgery
A. Pasqualin (Italy) 17:45 - 18:00
**Scientific Programme**

**18:00 - 18:15**

**Microsurgical excision of unruptured brain AVMs**  
M. Javadpour (Ireland)

**18:15 - 18:30**

**Treatment of AVM’s. With and without endovascular treatment before surgery**  
E. Spagnuolo (Uruguay)

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**General**  
17:00 - 19:00  
Skalkotas Hall

**Neuroanatomy**

AIM:  
Having attended this session, the participants will be able to describe the general organization of the human white matter - including the anatomy of its main tracts.

How:  
Lectures exploring this field will be given, followed by an interactive session in which the participant will apply their knowledge on white matter anatomy to the planning of surgical approaches.

**Chairs:**  
C. Destrieux (France)  
I. Zemmoura (France)

**General organization of the human white matter. Methods to study human white matter morphology: histology, dissection, in and ex vivo diffusion weighted MRI, the Fibratlas project**  
C. Destrieux (France)  
17:00 - 17:20

**The Dorsal stream: Arcuate Fasciculus, Superior Longitudinal Fasciculus and frontal Aslant tract : Morphology and clinical implications**  
C. Destrieux (France)  
17:20 - 17:50

**The Ventral stream: Inferior Fronto-Occipital Fasciculus, Uncinate Fasciculus and Inferior Longitudinal Fasciculus: Morphology and clinical implications**  
I. Zemmoura (France)  
17:50 - 18:20

**Optic radiations: Morphology and clinical implications**  
L.M. Terrier (France)  
18:20 - 18:35

**White matter quiz: how to find the best route in white matter. Interactive session**  
C. Destrieux (France)  
18:35 - 18:44

**White matter quiz: how to find the best route in white matter. Interactive session**  
L.M. Terrier (France)  
18:44 - 18:53

**White matter quiz: how to find the best route in white matter. Interactive session**  
I. Zemmoura (France)  
18:53 - 19:00
Acta Neurochirurgica "Meet the Editor" session

Acta Neurochirurgica Editor-in-Chief Tiit Mathiesen will be leading an interactive two-part session on publication and ethical issues respectively, supported by a panel including Marike Broekman, Andrew Kaye, Carlo Schaller, and EANS President Andre Grotenhuis. The presentations and panel discussion will cover topics ranging from reasons for manuscript rejection and the finer points of the journal review process, to ethical issues in publication and surgical innovation. Questions and comments from the audience will play an integral part as we explore why manuscripts get rejected and whether reviews are reproducible and transparent.

Chairs:
T. Mathiesen (Sweden)
M. Broekman (Netherlands)

Welcome and introduction 17:00 - 17:05
T. Mathiesen (Sweden)

Interactive session with panel of reviewers and audience, brief panel presentations
M. Broekman (Netherlands)
A. Grotenhuis (Netherlands)
A. Kaye (Australia)
K. Schaller (Switzerland)

Why was my paper rejected? 17:05 - 17:25

Are reviews transparent and reproducible? 17:25 - 17:40

Fewer revisions and more transparent reviews: New evaluation sheet and submission checklist for Acta Neurochirurgica 17:40 - 17:50

Impact factor: relevance and reliability 17:50 - 18:00

EANS ethicolegal session on ethics of publication and innovation 18:00 - 18:20

Ethics of innovation
M. Broekman (Netherlands)

The Ethics of Passive Data 18:20 - 18:35
T.R. Smith (United States)

Fraud and fabrication in publication 18:35 - 18:50
T. Mathiesen (Sweden)

Discussion: How should we prevent ethical breaches in innovation and publication? 18:50 - 19:00
Scientific Programme

**Case presentation II**  
F. Sala (Italy)  
17:20 - 17:40

**Case presentation III**  
J. Brennum (Denmark)  
17:40 - 18:00

**Spine**  
17:00 - 18:00

**Thoracic disc surgery**

Limited seats available. Reserve your place while registering for EANS2016.

**Case presentation I**  
Y.-M. Ryang (Germany)  
17:00 - 17:20

**Case presentation II**  
A. Demetriades (United Kingdom)  
17:20 - 17:40

**Case presentation III**  
B. Depreitere (Belgium)  
17:40 - 18:00

**Neuro-Oncology**  
17:00 - 18:00

**Management of recurrent GBM**

Limited seats available. Reserve your place while registering for EANS2016.

**Case presentation I**  
J.-C. Tonn (Germany)  
17:00 - 17:20

**Case presentation II**  
L. Bello (Italy)  
17:20 - 17:40

**Case presentation III**  
C. Watts (United Kingdom)  
17:40 - 18:00
Tuesday, 06 September 2016

Neuro-Oncology
07:30 - 09:20
Trianti Hall

Intraoperative imaging & Brain mapping

Chairs:
W. Stummer (Germany)
C. Watts (United Kingdom)

- **Fluorescence methods in neurosurgery: Update**
  W. Stummer (Germany) 07:30 - 07:45

- **Application of 5-ALA and iMRI in HGGs**
  D. Netuka (Czech Republic) 07:45 - 08:00

- **Colour contrast is a key determinant of the extent of malignant glioma resection during 5-ALA-guided surgery**
  T. Szmuda (Poland) 08:00 - 08:15

- **Intraoperative CT, 5-ALA - Mapping and US management in HGG**
  G. Barbagallo (Italy) 08:15 - 08:30

- **Modern multimodal strategies for surgical treatment of intra-axial tumours located in eloquent areas**
  A. Germanò (Italy) 08:30 - 08:45

- **Maximal and safe resection in glioma surgery**
  L. Regli (Switzerland) 08:45 - 09:00

- **Resection of highly language-eloquent brain lesions purely based on rTMS language mapping without awake surgery**
  S. Ille (Germany) 09:00 - 09:06

- **Assessing motor cognition in operative room: feasibility and clinical impact of a new tool**
  M. Rossi (Italy) 09:06 - 09:12

- **Fluorescein sodium-guided resection of cerebral metastases - experience with first 93 patients**
  J. Höhne (Germany) 09:12 - 09:18

Spine
07:30 - 09:20
Banqueting Hall

Imaging and navigation

Chairs:
D. Konstantinou (Greece)
G. Zapuhlih (Moldova, Republic of)

- **Indications and limitations**
  Y.-M. Ryang (Germany) 07:30 - 07:45
### Scientific Programme

**Imaging and navigation**
- 07:45 - 08:00
  - Placing of pedicle screws using neuronavigation in thoracolumbar traumatic fractures
    - C. Vleggeert-Lankamp (Netherlands)
- 08:00 - 08:15
  - Spinal navigation. What are the real benefits for neurosurgeons?
    - G. Zapuhlih (Moldova, Republic of)
- 08:15 - 08:30
  - Spinal navigation. What are the real benefits for neurosurgeons?
    - M. Ivanov (United Kingdom)
- 08:30 - 08:36
  - Intraoperative cone-beam computer tomography and navigation system in spinal surgery
    - N. Konovalov (Russian Federation)
- 08:36 - 08:42
  - Anterior cervical discectomy fusion for treatment of dominant axial neck pain
    - V. Delabar (France)
- 08:42 - 08:48
  - ICG image-guided surgery of spinal intramedullary tumors
    - T. Takami (Japan)

**Vascular**
- 07:30 - 07:45
  - Intracranial dural AV-fistulas - Characteristics and long-term prognosis
    - M. Niemelä (Finland)
- 07:45 - 08:00
  - Symptoms and management of cranial DAVFs
    - W. Sorteberg (Norway)
- 08:00 - 08:15
  - Classification and endovascular treatment of CDAVF
    - G. Baltsavias (Switzerland)
- 08:15 - 08:30
  - Risk of rupture and microsurgical management of intracranial dural arteriovenous fistulas
    - L. Thines (France)
- 08:30 - 08:45
  - Intracranial hemorrhages occurrence/enlargement next days after hospital admission
    - I. Poeata (Romania)
- 08:45 - 08:51
  - Transdural arterial recruitment to brain AVM. clinical and management implications. a prospective cohort series
    - D. Bervini (Switzerland)
- 08:51 - 08:57
  - Surgery for spinal dural arteriovenous fistulas: outcome and prognostic factors
    - J. Wojciechowski (Poland)
Scientific Programme

Functional
07:30 - 09:20
Skalkotas Hall

**Miscellaneous & Innovations**

**Chairs:**
J. Krauss (Germany)
D. Sakas (Greece)

- Electromagnetic navigation in neurosurgery: Widening application
  07:30 - 07:45
  J. Krauss (Germany)

- The new treatment modality for tremor by MRgFUS
  07:45 - 08:00
  M. Zaaroor (Israel)

- The auditory midbrain implant: New insights from ongoing clinical study
  08:00 - 08:15
  A. Samii (Germany)

- Surgical repositioning of ectatic vertebral arteries compressing medulla oblongata
  08:15 - 08:30
  F. Tomasello (Italy)

- Dorsal root ganglion stimulation
  08:30 - 08:45
  J. FitzGerald (United Kingdom)

- The long term outcome of microvascular decompression for trigeminal neuralgia; A 30 year study
  08:45 - 08:51
  G. Prezerakos (United Kingdom)

- Painful spasms in masticatory, facial and motor ocular muscles reversed after microvascular decompression of a neurovascular conflict at brainstem
  08:51 - 08:57
  T. Idriceanu (France)

- Pure endoscopic management of epileptogenic hypothalamic hamartomas
  08:57 - 09:03
  S. Chibbaro (France)

- Resective surgery for MRI-negative epilepsy: presurgical evaluation and clinical outcome
  09:03 - 09:09
  E. Kogias (Germany)

- Epilepsy surgery in middle income country
  09:09 - 09:15
  K. Minkin (Bulgaria)

Neurotrauma
07:30 - 09:20
MC 3

**Research & Innovations**

**Chairs:**
A. Maas (Belgium)
F. SOTIRIOU (Greece)

- Lessons from recent clinical trials
  07:30 - 07:45
  A. Maas (Belgium)
Scientific Programme

Mitochondrial genomics in TBI 07:45 - 08:00
T. Belli (United Kingdom)

Early beta-amyloid changes in human traumatic brain injury 08:00 - 08:15
N. Marklund (Sweden)

Neurotrauma research at Kings 08:15 - 08:30
C. Tolias (United Kingdom)

Back to the future in neurotraumatology, are we there yet? 08:30 - 08:45
R. Rola (Poland)

Glial fibrillary acidic protein and ubiquitin C-terminal hydrolase-L1 are not specific biomarkers for mild CT-negative traumatic brain injury 08:45 - 08:51
J.P. Posti (Finland)

Clinical correlates of brain stem blood flow alterations in traumatic brain injury 08:51 - 08:57
G. Danilov (Russian Federation)

Timing of GCS evaluation and the relationship to long-term outcome after acute traumatic brain injury 08:57 - 09:03
B. Depreitere (Belgium)

Pediatrics
07:30 - 08:30 MC 3.2

Pediatric oncology
Limited seats available. Reserve your place while registering for EANS2016.

Case presentation I 07:30 - 07:50
S. Constantini (Israel)

Case presentation II 07:50 - 08:10
S. Sgouros (Greece)

Case presentation III 08:10 - 08:30
N. Akalan (Turkey)

Neuro-Oncology
07:30 - 08:30 MC 3.3

Controversies in radiosurgery
Limited seats available. Reserve your place while registering for EANS2016.

Case presentation I 07:30 - 07:50
J. Regis (France)

Case presentation III 07:50 - 08:10
B. Lippitz (Germany)
Scientific Programme

Case presentation III  08:10 - 08:30
D. Prasad (United States)

Spine
07:30 - 08:30  
MC 3.5
C1-C2 junction injuries
Limited seats available. Reserve your place while registering for EANS2016.

Complex fracture of C1-C2  07:30 - 07:50
R. Delfini (Italy)
Case presentation II  07:50 - 08:10
T. Bouras (Belgium)
Case presentation III  08:10 - 08:30
R. Assaker (France)

Keynote Lectures
09:30 - 11:00  
Trianti Hall
Keynote Lectures I

Chairs:
J. Schramm (Germany)
J. van Loon (Belgium)

ARUBA - a critical appraisal  09:30 - 09:50
T.R. Meling (Norway)
Management of chiari syndrome in children  09:50 - 10:05
M. Zerah (France)
Aging spine  10:05 - 10:25
R. Assaker (France)
Endoscopic treatment of craniopharyngiomas  10:25 - 10:40
F. Gentili (Canada)
Research Trials: UK and European Database  10:40 - 11:00
C. Turner (United Kingdom)

Keynote Lectures II

Chairs:
A. Grotenhuis (Netherlands)
P. Selviaridis (Greece)
**Scientific Programme**

**Rapid ventricular pacing: Controlled cerebral blood flow reduction during surgery of complex anterior circulation aneurysms**  
V. Seifert (Germany)  
11:30 - 11:45

**Reference values of ICP in children vs adults/dogmas and guesses vs documentation**  
M. Juhler (Denmark)  
11:45 - 12:00

**Combination and salvage after resection: Stereotactic radio surgery of brain**  
B. Lippitz (Germany)  
12:00 - 12:15

**Current status of management of spinal infections**  
G. Barbagallo (Italy)  
12:15 - 12:30

**Introduction to the European Lecture**  
M. Samii (Germany)  
12:30 - 13:00

**European Lecture: An emerging new concept of brain anatomy and its implications for micro-neurosurgery and endovascular neuro-intervention**  
A. Valavanis (Switzerland)

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**Corporate Symposium**  
13:20 - 14:20  
Skalkotas Hall

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**Oral ePoster Presentation (during Coffee Break)**  
13:30 - 14:30  
MC 2

**Oral ePoster presentations**

**Chairs:**  
N. Paidakakos (United Kingdom)  
E. Kambouridis (Greece)

**Ruptured intracranial aneurysm after the age of seventy: mortality, long-term functional outcome and very long time survival (at least eleven years)**  
K.-F. Lindegaard (Norway)  
13:30 - 13:33

**Results of surgical treatment of hemangioblastomas and spinal cavernomas**  
D. Asyutin (Russian Federation)  
13:33 - 13:36

**The contrast of colours in 5-aminolevulinic acid-induced fluorescence predicts the resection of a malignant glioma**  
T. Szmuda (Poland)  
13:36 - 13:39

**Adult neural stem cells Are irreplaceable**  
T. Burns (United States)  
13:39 - 13:42
Scientific Programme

**Pituitary apoplexy - should surgery be the gold standard?**  
J. Cruz Teixeira (Portugal)  
13:42 - 13:45

**Comparison between indocyanine green videoangiography and intraoperative digital subtraction angiography**  
I. Mendelowitsch (Switzerland)  
13:45 - 13:48

**Surgical paradigms in the complete management of cervicothoracic mediastinal tumours**  
G. Prezerakos (United Kingdom)  
13:48 - 13:51

**Interstitial radiotherapy for the treatment of low-grade brain tumors in children**  
B. Schrooten (Belgium)  
13:51 - 13:54

**Intended near-total removal of Koos grade IV vestibular schwannomas: a need to revisit treatment paradigms?**  
D. Zumofen (Switzerland)  
13:54 - 13:57

**Associations of renin-angiotensin system genetic polymorphisms and aneurysmal subarachnoid hemorrhage: a multicenter prospective study**  
C. Griessenauer (United States)  
13:57 - 14:00

**Complications of deep brain stimulation for secondary dystonia in the early postoperative period (30-day morbidity): an experience in 49 patients**  
A. Wloch (Germany)  
14:00 - 14:03

**Unruptured intracranial aneurysm follow-up and treatment after morphological change is safe: observational study and systematic review**  
P. Bijlenga (Switzerland)  
14:03 - 14:06

**Neuro-Oncology**

14:30 - 16:30  
Trianti Hall

**Skull base 1 (Schwannomas)**

**Extra-tympanic electrocochleography monitoring for hearing preservation**  
Z.H. Rappaport (Israel)  
14:30 - 14:45

**Cochlear nerve preservation for natural and electrical hearing in NF2 acoustic tumours**  
D. d’Avela (Italy)  
14:45 - 15:00

**Change of paradigm in the management of vestibular schwannomas**  
D. Paraskevopoulos (United Kingdom)  
15:00 - 15:15

**Strategies in the treatment of vestibular schwannomas**  
M. Lund-Johansen (Norway)  
15:15 - 15:30
Scientific Programme

Large vestibular schwannomas: radiosurgery or microsurgery first? 15:30 - 15:45
P.-H. Roche (France)

Vestibular schwannomas - surgery following radiotherapy 15:45 - 16:00
A. Samii (Germany)

Improved facial and cochlear nerve outcomes after surgery for large vestibular schwannomas 16:00 - 16:15
R. Daniel (Switzerland)

Strategy for the surgical treatment of vestibular schwannomas in patients with neurofibromatosis type 2 16:15 - 16:21
A. Nowak (Poland)

Combined approach for the management of large vestibular schwannomas: planned subtotal resection followed by Gamma Knife surgery in a series of 34 consecutive cases 16:21 - 16:27
M. Levivier (Switzerland)

Spine
14:30 - 16:30
Banqueting Hall

Spinal tumours 1

Spinal cord procedures - choosing neuromonitoring modality 14:30 - 14:45
A. Sehic Kantardzic (United States)

The heterogeneous clinical and surgical picture of spinal cord tumours 14:45 - 15:00
B. Iliescu (Romania)

Surgical treatment of spinal cord intramedullary tumours in adults 15:00 - 15:15
N. Konovalov (Russian Federation)

Intradural extramedullary tumours 15:15 - 15:30
I. Magras (Greece)

Surgical challenges in the surgery of recurrent spinal cord tumours 15:30 - 15:45
M. Ivanov (United Kingdom)

Primary spine tumours 15:45 - 16:00
A. Casey (United Kingdom)

Management of spinal metastasis: State of the arts 16:00 - 16:15
V. Arzoglou (Greece)

Spinal cord hemangioblastomas - significance of intraoperative neurophysiological monitoring for surgical resection and long-term outcome 16:15 - 16:21
S. Siller (Germany)
Scientific Programme

Fluorescein-guided surgery with a dedicated filter on the surgical microscope for resection of spinal intramedullary tumors: A multicentric retrospective preliminary study
J. Höhne (Germany)

16:21 - 16:27

Vascular

14:30 - 16:30

Mitropoulos Hall

Giant/Complex aneurysms

Chairs:
V. Benes (Czech Republic)
D. Rologis (Greece)

Management of large and giant aneurysms of anterior circulation
V. Benes (Czech Republic)  14:30 - 14:45

The use of flow diverters in giant/complex aneurysm treatment
E. Boccardi (Italy)  14:45 - 15:00

Giant/Complex aneurysms: bypass or flow diverter?
P. Vajkoczy (Germany)  15:00 - 15:15

The role of clipping in giant aneurysm treatment
V. Seifert (Germany)  15:15 - 15:30

Surgical treatment of posterior circulation aneurysms
G. Pinna (Italy)  15:30 - 15:40

Management of giant aneurysms
E.J. Wahjoepramono (Indonesia)  15:40 - 15:55

Management of carotid anterior wall aneurysms (blood blister)
G. Andreas (Austria)  15:55 - 16:10

Management of complex/giant middle cerebral artery aneurysms by endovascular surgery and supplemental bypass techniques
P. Dodier (Austria)  16:16 - 16:22

16:21 - 16:27

Functional

14:30 - 16:30

Skalkotas Hall

Epilepsy

Chairs:
M. Scerrati (Italy)
K. Fountas (Greece)

Anatomy for temporal epilepsy surgery: Lessons learned
C. Destrieux (France)  14:30 - 14:42

Advances in surgical treatments of epilepsy
K. Fountas (Greece)  14:42 - 14:54
Scientific Programme

Resective epilepsy surgery 14:54 - 15:06
G. Mrak (Croatia)

Surgery for mesial temporal lobe epilepsy 15:06 - 15:18
T. Sajko (Croatia)

Surgical strategies for mesial temporal lobe epilepsy 15:18 - 15:30
A. Goncalves-Ferreira (Portugal)

"Surgery for temporal lobe epilepsy: A "tailored" approach" 15:30 - 15:42
V. Esposito (Italy)

Epilepsy surgery: a tractographic perspective 15:42 - 15:54
T. Theys (Belgium)

Callosotomy for epilepsy 15:54 - 16:06
M. Scerrati (Italy)

Epilepsy surgery in pediatric group 16:06 - 16:18
N. Akalan (Turkey)

DBS or VNS for refractory epilepsy not amenable to resective surgery? 16:18 - 16:30
D. Van Roost (Belgium)

Other 14:30 - 16:30
14:30 - 16:30 MC 3

Young neurosurgeons session

Chairs:
A. Demetriades (United Kingdom)
N. Ganesalingam (United Kingdom)
Y.-M. Ryang (Germany)

How to balance clinical, academic and administrative duties in neurosurgery 14:30 - 14:45
R. Harbaugh (United States)

"Building bridges": Reflections on how to build a career in neurosurgery 14:45 - 15:00
A. Grotenhuis (Netherlands)

How I do it: Extended endoscopic transnasal approach 15:00 - 15:15
L. Cavallo (Italy)

How I do it: AVM resection 15:15 - 15:30
J. Schramm (Germany)

How I do it: Petroclival meningioma treatment 15:30 - 15:45
N. Bambakidis (United States)

How I do it: Cerebral revascularization(EC-IC and IC-IC bypasses) 15:45 - 16:00
A. Dehdashti (United States)

How I do it: Cervical intramedullary tumors 16:00 - 16:15
N. Konovalov (Russian Federation)
Scientific Programme

How I do it: Selective amygdalohippocampectomy? 16:15 - 16:30
K. Fountas (Greece)

Neuro-Oncology
14:30 - 16:30
MC 2

Sellar - Parasellar area 1

Chairs:
P. Cappabianca (Italy)
Z. Ram (Israel)

Endoscopic endonasal management of cavernous sinus disease 14:30 - 14:45
P.A. Gardner (United States)

Transphenoidal endoscopic pituitary adenoma surgery 14:45 - 15:00
M. Kutin (Russian Federation)

Management of recurrent and giant pituitary adenomas 15:00 - 15:15
F. Gentili (Canada)

Giant macroadenomas: Implications for management 15:15 - 15:30
C. Thome (Austria)

Radiological and clinical parameters as outcome correlates in endoscopic surgery for large pituitary macroadenomas 15:30 - 15:45
Z. Ram (Israel)

Endoscopic pituitary surgery 15:45 - 16:00
S. Ceylan (Turkey)

Transsphenoidal surgery for acromegaly 16:00 - 16:10
J. van Loon (Belgium)

Neuro-Oncology
17:00 - 19:00
Trianti Hall

Intraoperative neurophysiology in brain surgery

Chairs:
L. Bello (Italy)
A. Szelenyi (Germany)

Brain mapping and navigated transcranial magnetic stimulation (nTMS) in glioblastoma resection 17:00 - 17:15
F. Tomasello (Italy)

Multimodal intraoperative neuromonitoring: New aspects in glioma surgery 17:15 - 17:30
A. Szelenyi (Germany)

Intraoperative replanning by integration of updated anatomical and functional data 17:30 - 17:45
H. Colle (Belgium)
Scientific Programme

**Use of intraoperative neurophysiology for glioma surgery**
L. Bello (Italy)  
17:45 - 18:00

**Continuous subcortical mapping and monitoring reduces the incidence of permanent deficits in motor eloquent brain tumours**
A. Raabe (Switzerland)  
18:00 - 18:15

**Induction of plasticity in gliomas located in eloquent areas**
J.A. Barcia (Spain)  
18:15 - 18:30

**“NanoPaste”: Thermotherapy via nanoparticles directly instilled onto glioma resection cavity walls - technique and feasibility**
M. Jaber (Germany)  
18:30 - 18:36

**Active dendritic cell-immunotherapy for glioblastoma multiforme: current status and challenges**
S. Polyzoidis (United Kingdom)  
18:36 - 18:42

**Clinical validation of integrated diagnosis in lowgrade glioma (LGG)**
M. Rossi (Italy)  
18:42 - 18:48

**Surgery of insular tumors through transsylvian approach**
D. Pitskhelauri (Russian Federation)  
18:48 - 18:54

**Spine**

17:00 - 19:00  
Banqueting Hall

**Craniocervical junction**

**Chairs:**
K. Kouzelis (Greece)  
J. Robinson (United States)

**Management of basilar invagination**
S. Cagli (Turkey)  
17:00 - 17:15

**C1-C2 fixation: Tips and tricks**
J. Bull (United Kingdom)  
17:15 - 17:30

**C2 fractures in the elderly: Moving beyond the controversies**
A. Demetriades (United Kingdom)  
17:30 - 17:45

**Transoral surgery conditions of ccj**
A. Casey (United Kingdom)  
17:45 - 18:00

**CVJ Meningiomas**
R. Delfini (Italy)  
18:00 - 18:15

**Endoscopic approaches to craniovertebral junctions**
Y.S. Caglar (Turkey)  
18:15 - 18:30

**Craniovertebral junction realignment surgery in the treatment of basilar invagination**
R. Daniel (Switzerland)  
18:30 - 18:45
Scientific Programme

Transoral surgery of upper cervical lesions  
D. Bouramas (Greece)  
18:45 - 19:00

Vascular  
17:00 - 19:00  
Mitropoulos Hall

CV training

Chairs:  
A. Gruber (Austria)  
K. Rotim (Croatia)

Neurovascular surgical training  
C. Tolias (United Kingdom)  
17:00 - 17:15

Modern cerebrovascular neurosurgery: Nuances of the hybrid operating suite  
B. Welch (United States)  
17:15 - 17:30

Multimodality management of cerebral aneurysms  
A. Gruber (Austria)  
17:30 - 17:45

Combined open and endovascular training: The future for vascular neurosurgery?  
J. Boogaarts (Netherlands)  
17:45 - 18:00

Microsurgical/endovascular combined treatment of intracranial vascular lesions  
K. Rotim (Croatia)  
18:00 - 18:15

"Clip first" policy in management of intracranial MCA aneurysms: single-centre experience with a systematic review of literature  
A. Steklacova (Czech Republic)  
18:15 - 18:21

Treatment of ruptured PICA aneurysms in the endovascular era. Evidence from the Swiss SOS national database  
R. Maduri (Switzerland)  
18:21 - 18:27

Endovascular management of aneurysm: new techniques and their evidence  
J. de Vries (Netherlands)  
18:27 - 18:33

Role of microvascular neurosurgeon in the future  
L. Regli (Switzerland)  
18:33 - 18:48

Functional  
17:00 - 19:00  
Skalkotas Hall

Pain

Chairs:  
F. Alesch (Austria)  
C. Constantoyannis (Greece)
Scientific Programme

**DBS in pain, renaissance or evolution?**
F. Alesch (Austria) 17:00 - 17:15

**Surgical neuromodulation techniques for chronic pain primary headaches**
D. Fontaine (France) 17:15 - 17:30

**DBS for pain in Düsseldorf**
J. Vesper (Germany) 17:30 - 17:45

**DBS for pain in the UK**
E. Pereira (United Kingdom) 17:45 - 18:00

**DBS for pain and implications for new indications**
A. Green (United Kingdom) 18:00 - 18:15

**Cortical stimulation for pain**
D. Sakas (Greece) 18:15 - 18:30

**Microvascular decompression for trigeminal neuralgia**
V. Smolanka (Ukraine) 18:30 - 18:45

**Other**
17:00 - 19:00 MC 3

**Oral Presentations**

**Chairs:**
D. Van Roost (Belgium)
A. Fratzoglou (Greece)

**Posterior fossa aneurysms: epidemiology, patterns of care and outcomes from the swiss SOS national registry**
R. Maduri (Switzerland) 17:00 - 17:06

**Differentiating shoulder and two cervical spine pathology: discogenic disease and facet syndrome**
R.I. Burgos de la Espriella (Colombia) 17:06 - 17:12

**Far lateral lumbar disc surgical classification**
R.I. Burgos de la Espriella (Colombia) 17:12 - 17:18

**Trainee-satisfaction and its correlation to results of the European board examination in neurosurgery**
M.N. Stienen (Switzerland) 17:18 - 17:24

**Neurosurgery simulation and psychometric assessment for the EANS trainees: a pilot study**
A. Perin (Italy) 17:24 - 17:30

**The role of modern education theories in neurosurgical education**
A.N. Amr (United Kingdom) 17:30 - 17:36

**Volumetric analysis of chronic subdural hematoma: which method drains the best?**
P. Stavrinou (Germany) 17:36 - 17:42
Scientific Programme

**Predictability of CT scoring scales in determining early mortality and early outcome in patients with TBI**
J. Golubovic (Serbia)  
17:42 - 17:48

**Survival and prognostic factors following surgery for acute subdural haematoma in adults: an observational cohort study of 2,498 patients**
A.G. Kolias (United Kingdom)  
17:48 - 17:54

**Reconstructive neurosurgery in acute phase of combat gunshot craniocerebral injury**
G. Pilipenko (Ukraine)  
17:54 - 18:00

**Finnish incidence of SAH is similar to other countries and it is decreasing rapidly together with decreasing smoking rates**
M. Korja (Finland)  
18:00 - 18:06

**Pharmacokinetics and Health Economics of intraventricular sustained release nimodipine (EG-1962) for subarachnoid hemorrhage**
D. Hänggi (Germany)  
18:06 - 18:12

**The vascular wall of intracranial aneurysm prone to rupture contains less collagen and smooth muscle cells**
S. Morel (Switzerland)  
18:12 - 18:18

**Revascularization surgery in patients suffered from chronic cerebral insufficiency**
N. Polunina (Russian Federation)  
18:18 - 18:24

**Evaluation of STA-MCA bypass efficacy for cerebral ischemia**
V. Lukshin (Russian Federation)  
18:24 - 18:30

**Posterior cerebral circulation traumatic dissection & pseudoaneurysm formation - axis of morbidity & mortality**
M. Foroughi (United Kingdom)  
18:30 - 18:36

**The infratrigeminal suprafloccular approach to intrapontine lesions: The roman triangle**
A. Roman (Brazil)  
18:36 - 18:42

Spine  
17:00 - 18:00  
MC 3.2

**Craniocebral trauma**  
Limited seats available. Reserve your place while registering for EANS2016.

**Case presentation I**
A. Maas (Belgium)  
17:00 - 17:20

**Case presentation II**
A. Buki (Hungary)  
17:20 - 17:40

**Case presentation III**
F. Servadei (Italy)  
17:40 - 18:00
Neurosurgery: From the Classics to the future (EANS 2016), September 4 - 8, 2016, Athens, Greece

**Scientific Programme**

**Neuro-Oncology**
17:00 - 18:00  
MC 3.3

**Endoscopic skull base surgery**
Limited seats available. Reserve your place while registering for EANS2016.

- **Case presentation I**
  P. Cappabianca (Italy)  
  17:00 - 17:20

- **Case presentation II**
  M. Betttag (Germany)  
  17:20 - 17:40

- **Case presentation III**
  P.A. Gardner (United States)  
  17:40 - 18:00

**Vascular**
17:00 - 18:00  
MC 3.5

**Cerebral AVMs**
Limited seats available. Reserve your place while registering for EANS2016.

- **Case presentation I**
  L. Regli (Switzerland)  
  17:00 - 17:20

- **Case presentation II**
  V. Benes (Czech Republic)  
  17:20 - 17:40

- **Case presentation III**
  G. Baltsavias (Switzerland)  
  17:40 - 18:00
Scientific Programme

Wednesday, 07 September 2016

Neuro-Oncology
07:30 - 09:20
Trianti Hall

Intraoperative imaging & Skull base 2

Chairs:
E. Knosp (Austria)
E. Chatzidakis (Greece)

- Ultrasound-based real-time image-guided surgery for brain tumours: Development, potentials, and learning objectives of an operator dependent procedure
  - F. DiMeco (Italy)
  - 07:30 - 07:45

- The role of intraoperative USG in low grade glioma surgery
  - C. Cokluk (Turkey)
  - 07:45 - 08:00

- Endoscopic resection of Gliomas
  - P. Plaha (United Kingdom)
  - 08:00 - 08:15

- Developing intraoperative MRI - past, present and future
  - C. Senft (Germany)
  - 08:15 - 08:30

- Hypothalamus and craniopharyngiomas. Surgical implications
  - J. Steno (Slovakia)
  - 08:30 - 08:45

- The UPMC institutional experience with endoscopic endonasal approaches for clival chordomas
  - G. Zenonos (United States)
  - 08:45 - 08:51

- Cavernous sinus invasion in pituitary macroadenoma
  - E. Knosp (Austria)
  - 08:51 - 08:57

- Quantification of intraoperative shift of the internal carotid artery during pituitary surgery: a 3T-ioMR study
  - C. Serra (Switzerland)
  - 08:57 - 09:03

- Extended endoscopic endonasal approach for tumors of petroclival region: preliminary experience
  - M. Scerrati (Italy)
  - 09:03 - 09:09

Spine
07:30 - 09:20
Banqueting Hall

Spinal tumours 2

The Co-chairs will introduce the session, each speaker will have 20 minutes for their presentation, including questions from the audience and the co-chairs will conclude the session.

Chairs:
F. Sala (Italy)
G. Stranjalis (Greece)
Scientific Programme

The impact of neuromonitoring in spinal cord tumour surgery 07:30 - 07:45
F. Sala (Italy)

Refining management of intramedullary lesions 07:45 - 08:00
M. Westphal (Germany)

Surgery of intradural spinal tumours - single center experience 08:00 - 08:15
I. Omerhodzic (Bosnia and Herzegovina)

Minimal invasive resection of intradural spinal tumours: Feasibility, advantages and limitations 08:15 - 08:30
T. Bouras (Belgium)

Spinal meningiomas 08:30 - 08:45
V. Rohde (Germany)

Current evidence on the surgical management of spinal metastases: Which patients to operate and what surgery to perform 08:45 - 09:00
B. Depreitere (Belgium)

Spinal infections 09:00 - 09:15
C. Vleggeert-Lankamp (Netherlands)

Vascular
07:30 - 09:20
Mitropoulos Hall

SAH - Cerebral hematomas

Chairs:
A. Raabe (Switzerland)
A. van der Zwan (Netherlands)

Cognitive outcome after aneurysmal SAH 07:30 - 07:45
F. Proust (France)

Vasospasm then and now: From Hippocrates in 400 B.C. to Athens 2016 AD 07:45 - 08:00
G.A. Schubert (Germany)

Treatment of vasospasm using intraarterial spasmolytics in patients after aneurysm 08:00 - 08:15
M. Sames (Czech Republic)

Endovascular treatment of post-SAH vasospasm 08:15 - 08:30
I. Ioannidis (Greece)

Management of ICH and update on SWITCH 08:30 - 08:45
A. Raabe (Switzerland)

Minimally invasive strategies to evacuate ICH - progress or redundancy 08:45 - 09:00
A. van der Zwan (Netherlands)

Intracerebral hemorrhage - Past and future 09:00 - 09:15
S. Harnof (Israel)
Scientific Programme

The results of SAH in patients over 70 years of age
M. Smrcka (Czech Republic)

09:15 - 09:30

Pediatrics
07:30 - 09:20

Skalkotas Hall

Pediatric vascular diseases

Chairs:
R. Keating (United States)
P. Vajkoczy (Germany)

Moya-Moya epidemiology in Europe, clinical and etiological implications
M. Kossorotoff (France)
07:30 - 07:45

Revascularisation for moyamoya
P. Vajkoczy (Germany)
07:45 - 08:00

Moya-moya disease. Indirect revascularisation
Z. Feldman (Israel)
08:00 - 08:15

Clinical presentation of pediatric vascular disease
T. Blauwblomme (France)
08:15 - 08:30

Pial and dAVFs in the pediatric population
E. Boccardi (Italy)
08:30 - 08:45

Vein of galen aneurysms
A. Andreou (Greece)
08:45 - 08:55

De novo and recurrent aneurysms in pediatric patients with cerebral aneurysms
P. Koroknay-Pal (Finland)
08:55 - 09:05

Radiosurgery in neuro-oncology

Chairs:
P. Nomikos (Greece)
B. Lippitz (Germany)

Hearing preservation in vestibular schwannoma: Planned partial surgical resection followed by gamma knife radiosurgery
M. Levivier (Switzerland)
07:30 - 07:45

Developments in stereotactic radiosurgery of malignant glioma: Another option
B. Sandvei Skeie (Norway)
07:45 - 08:00

Proton and heavy ion therapy: Fancy tool or necessary equipment for skull base tumours?
D. Prasad (United States)
08:00 - 08:15

Other
07:30 - 09:20

MC 3
Neurosurgery: From the Classics to the future (EANS 2016),
September 4 - 8, 2016,
Athens, Greece

Scientific Programme

Combined approach: Surgery and radiosurgery in spine pathology 08:15 - 08:30
K. Sallabanda (Spain)

Stereotactic radiosurgery for intracranial hemangiopericytomas: a multicenter study 08:30 - 08:36
O. Cohen-Inbar (Israel)

Hypofractionated radiosurgery treatment for skull base tumors 08:36 - 08:42
V. Buryk (Latvia)

Gamma knife management of skull base chordomas: Is it a choice? 08:42 - 08:48
W. Musa (Egypt)

Functional 07:30 - 08:30
MC 3.2

Epilepsy surgery
Limited seats available. Reserve your place while registering for EANS2016.

Case presentation I 07:30 - 07:50
K. Schaller (Switzerland)

Case presentation II 07:50 - 08:10
D. Van Roost (Belgium)

Case presentation III 08:10 - 08:30
A. Goncalves-Ferreira (Portugal)

Functional 07:30 - 08:30
MC 3.3

Advances in deep brain stimulation
Limited seats available. Reserve your place while registering for EANS2016.

Case presentation I 07:30 - 07:50
J. Krauss (Germany)

Case Presentation II 07:50 - 08:10
T. Aziz (United Kingdom)

Case presentation III 08:10 - 08:30
M. Scerrati (Italy)

Spine 07:30 - 08:30
MC 3.5

Minimally invasive spinal surgery
Limited seats available. Reserve your place while registering for EANS2016.
Scientific Programme

Case presentation I
W. Peul (Netherlands) 07:30 - 07:50

Case presentation II
C. Kilincer (Turkey) 07:50 - 08:10

Case presentation III
A. Parajon (Spain) 08:10 - 08:30

Keynote Lectures
09:30 - 11:00
Trianti Hall

Keynote Lectures I
Chairs:
B. Meyer (Germany)
S. Sgouros (Greece)

The hibernating brain-motor reorganization after EC-IC by-pass surgery for chronic hemodynamic ischemia
P. Vajkoczy (Germany) 09:30 - 09:45

Brainstem cavernous angiomas (277 cases)
A. Konovalov (Russian Federation) 09:45 - 10:05

Posterior fossa tumours in children
N. Akalan (Turkey) 10:05 - 10:20

Myths and reality in lumbar disc disease
B. Meyer (Germany) 10:20 - 10:40

Brainstem gliomas
H. Bertalanffy (Germany) 10:40 - 11:00

Keynote Lectures II
Chairs:
K. Schaller (Switzerland)
T. Mathiesen (Sweden)

Present & future of vascular neurosurgery
J. Morcos (United States) 11:30 - 11:50

Functional Anatomy of Wakefulness and Neuromodulation of Persistent Minimal Consciousness
D. Sakas (Greece) 11:50 - 12:05

Management of spinal cord tumours
C. Thome (Austria) 12:05 - 12:20
Scientific Programme

**Meningiomas in anterior cranial base**
A. Grotenhuis (Netherlands)  
12:20 - 12:40

**Taxonomy of posterior fossa meningiomas**
V. Benes (Czech Republic)  
12:40 - 13:00

Oral ePoster Presentation (during Coffee Break)
13:30 - 14:30  
MC 2

**Oral ePoster presentations**

**Chairs:**  
G. Koutsoumbelis (Greece)  
D. Karabetsos (Greece)

**One-level and two-level treatments for degenerative disc disease: cervical disc arthroplasty and anterior cervical discectomy and fusion**  
A. Utter (United States)  
13:30 - 13:33

**Return-to-work rate after single level lumbar discectomy for degenerative disc disease: a comparison of authors results with the data available in the SpineTango registry**  
A. Jędrzejek (Poland)  
13:33 - 13:36

**Lumbar microdiscectomy can be safely performed by residents**  
V. Xenaki (Greece)  
13:36 - 13:39

**GLOWOMA (Glioma lesions outlining with optics modification assistance): preliminary results of a a phase II trial evaluating fluorescein-aided glioblastoma surgery**  
D. Bongetta (Italy)  
13:39 - 13:42

**Size and location of ruptured intracranial aneurysms - consecutive series of 1993 hospital-admitted SAH patients**  
M. Korja (Finland)  
13:42 - 13:45

**Prediction of shunt failure facilitated by rapid (< 40 sec) and accurate volumetric analysis**  
R. Keating (United States)  
13:45 - 13:48

**Contrast-enhanced MRI versus contrast-enhanced ultrasound: a comparison in glioblastoma surgery using intra-operative fusion imaging**  
M. Del Bene (Italy)  
13:48 - 13:51

**Enhancing the outcome of surgical treatment in patients with central gyri tumors using the nTMS and tractography techniques**  
A. Shcherbuk (Russian Federation)  
13:51 - 13:54

**Prognostic value of contrast enhancement and histopathological grading in diffuse gliomas depends on IDH1/2 mutation**  
B. Suchorska (Germany)  
13:54 - 13:57

**Anatomic investigation of the laser pathway for stereotactic laser amygdalohippocampotomy**  
A. Gungor (Turkey)  
13:57 - 14:00
Scientific Programme

Outcome after surgical treatment of meningiomas in elderly patients: “It-could-work!”
C. Zoia (Italy) 14:00 - 14:03

Rapid ventricular pacing for neurovascular surgery: a safety study for brain and heart
K. Van Loock (Belgium) 14:03 - 14:06

Neuro-Oncology
14:30 - 16:30 Trianti Hall

Pineal area - Ventricles - Brain stem

Chairs:
M. Westphal (Germany)
F. Spyridakis (Greece)

Treatment algorithms for pineal tumours
M. Westphal (Germany) 14:30 - 14:45

The choice of the surgical approach in brainstem tumours
M.A. Arraez (Spain) 14:45 - 15:00

Brain stem tumours
V. Smolanka (Ukraine) 15:00 - 15:15

Open microsurgery: Technical nuances and pearls for intraventricular tumour surgery
E. Kasper (United States) 15:15 - 15:30

Cervicomedullary tumors in children
F. Boop (United States) 15:30 - 15:45

Management of paediatric intracranial ependymomas: Is radiotherapy necessary after gross total resection?
S. Hanalioglu (Turkey) 15:45 - 15:51

Raman spectroscopy for the identification of isocitrate dehydrogenase (IDH) mutated glioblastomas
L.J. Livermore (United Kingdom) 15:51 - 15:57

First world blood-brain barrier disruption by pulsed ultrasound in patients
A. Carpentier (France) 15:57 - 16:03

Reporting of patient-reported health-related quality of life in adults with diffuse low-grade glioma: a systematic review
D.M. Fountain (United Kingdom) 16:03 - 16:09

Telovelar approach for posterior fossa tumors
Ö.H. Emmez (Turkey) 16:09 - 16:15
Scientific Programme

Spine
14:30 - 16:30

Minimally invasive spinal surgery

Chairs:
C. Kilincer (Turkey)
K. Vlachos (Greece)

- **Minimally invasive TLIF. Advantages**
  Y.-M. Ryang (Germany)
  14:30 - 14:45

- **Importance of oblique view of 3D computed tomography in determining cervical foraminal stenosis**
  C. Kilincer (Turkey)
  14:45 - 15:00

- **Minimally invasive surgical management of lumbar spondylolisthesis**
  A. Parajon (Spain)
  15:00 - 15:15

- **Percutaneous lumbar interbody fusion. Learning curve, pitfalls and outcome**
  P. Stavrinou (Germany)
  15:30 - 15:45

- **Paraspinal muscle atrophy and paraspinal muscle fatty degeneration as an important factor influencing the results of surgical treatment of lumbar discopathy**
  A. Stanuszek (Poland)
  15:45 - 15:51

- **An investigation into peri-operative and 12 month lifestyle outcomes between minimally invasive and conventional lumbar interbody fusion**
  J.S. Virdee (United Kingdom)
  15:51 - 15:57

- **Percutaneous vertebroplasty - Is subsequent vertebral fracture a real problem? Should biopsy be always performed?**
  J. Cruz Teixeira (Portugal)
  15:57 - 16:03

- **Discectomy with and without anular closure for high-risk disc herniation patients: complete early readmission and delayed discharge analysis from a multicenter, prospective, randomized study**
  C. Thome (Austria)
  16:03 - 16:09

- **Predictors of clinical outcome in cervical arthrodesis: Evaluation of physical, mental and social factors**
  E. Shiban (Germany)
  16:09 - 16:15

- **Risk of cement leakage and pulmonary embolism by bone cement augmented pedicle screw fixation of the thoracolumbar spine**
  I. Janssen (Germany)
  16:15 - 16:21

Vascular
14:30 - 16:30

Aneurysms 1

Chairs:
U. Sure (Germany)
S. Eliava (Russian Federation)
Scientific Programme

Navigation and virtual reality for clipping of intracranial aneurysms  14:30 - 14:45
P. Bijlenga (Switzerland)

Clipping surgery: State of the art in 2016 in a multidisciplinary group  14:45 - 15:00
C. Raftopoulos (Belgium)

Clipping of unruptured aneurysms: Case load matters for the outcome!  15:00 - 15:15
U. Sure (Germany)

Computational fluid dynamics: A new useful tool in the assessment of risk of aneurysm  15:15 - 15:30
A. Hejčl (Czech Republic)

Current role of flow diversion for intracranial aneurysms  15:30 - 15:45
G. Lanzino (United States)

Results of ruptured middle cerebral artery clipping in a "'clip first'" institution  15:45 - 16:00
V. Rohde (Germany)

Modern concepts of microsurgical treatment of brain aneurysms  16:00 - 16:15
S. Eliava (Russian Federation)

Pediatrics
14:30 - 16:30  Skalkotas Hall

Pediatric hydrocephalus

Chairs:
C. Mallucci (United Kingdom)
M. Juhler (Denmark)

Neonatal haemorrhagic hydrocephalus - An overview of treatment possibilities and prognosis  14:30 - 14:45
U.-W. Thomale (Germany)

"The impact of the initial hydrocephalus treatment; ETV vs. shunt in neonatal hydrocephalus"  14:45 - 15:00
S. Constantini (Israel)

Telemetric ICP monitoring in children  15:00 - 15:15
M. Juhler (Denmark)

The "'difficult'" shunt child - diagnostic and differential diagnostic considerations  15:15 - 15:30
C. Mallucci (United Kingdom)

Long term prognosis of pediatric hydrocephalus  15:30 - 15:45
S. Sgouros (Greece)

Indications and complications of ETV in children  15:45 - 16:00
H. Karabagli (Turkey)

Management of neonatal post-haemorrhagic hydrocephalus: an International perspective  16:00 - 16:06
N. Wong (United Kingdom)
Scientific Programme

Efficacy of ETV in the treatment of hydrocephalus after removal of posterior fossa tumor in children
C. Chamilos (Greece)

Resistance to cerebrospinal fluid outflow: a diagnostic marker of spontaneous intracranial hypotension
C. Fung (Switzerland)

Other
14:30 - 16:30

Radiosurgery in vascular & functional

Chairs:
J.A. Barcia (Spain)
A. Samelis (Greece)

The result of gamma knife radiosurgery for large cerebral arteriovenous malformations
O.H. Emmez (Turkey)

Staged radiosurgery for large AVM
M. Radatz (United Kingdom)

Advances in functional radiosurgery
R. Martinez-Alvarez (Spain)

Minimal invasive and conventional MVD in trigeminal neuralgia: Brothers in arms?
N. Mendoza (United Kingdom)

Future in the past: Prof Barcia-Salorio's pioneering work in epilepsy (radio)surgery
J.A. Barcia (Spain)

« Modern Lesioning technics in tremor surgery”
J. Regis (France)

Jaw immobilization for gamma knife surgery in patients with mandibular lesions: a newly, innovative approach
M. Levivier (Switzerland)

Neuro-Oncology
17:00 - 19:00
Trianti Hall

Sellar - Parasellar area 2

Chairs:
M. Betttag (Germany)
P.A. Gardner (United States)

Role of surgery in the multidisciplinary treatment of pituitary adenomas
M. Marinov (Bulgaria)
### Scientific Programme

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>17:15 - 17:30</td>
<td><strong>Resection of tuberculum sellae meningiomas - endoscopic transnasal or</strong></td>
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<td><strong>microscopic transcranial?</strong></td>
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<td></td>
<td>M. Bettag (Germany)</td>
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<td>17:30 - 17:45</td>
<td><strong>Anterior skull base meningiomas: Is there any role for the endoscopic</strong></td>
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<td><strong>approach?</strong></td>
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<td>F. Gentili (Canada)</td>
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<tr>
<td>17:45 - 18:00</td>
<td><strong>Endoscopic resection of meningiomas</strong></td>
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<td>P. Cappabianca (Italy)</td>
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<td>18:00 - 18:15</td>
<td><strong>Endoscopic endonasal approach for craniopharyngiomas</strong></td>
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<td>P. Cappabianca (Italy)</td>
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<tr>
<td>18:15 - 18:30</td>
<td><strong>Extended endoscopic endonasal approaches for craniopharyngiomas</strong></td>
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<td>N. Thomas (United Kingdom)</td>
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<td>18:30 - 18:45</td>
<td><strong>Advantages and limitations of the endoscopic endonasal approach for</strong></td>
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<td><strong>suprasellar tumours</strong></td>
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<td>P.A. Gardner (United States)</td>
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<tr>
<td>18:45 - 19:00</td>
<td><strong>New endoscopic strategies in cushing’s disease</strong></td>
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<td>M. Berker (Turkey)</td>
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### Spine (General)

**Chairs:**
T. Bouras (Belgium)
C. Kilincer (Turkey)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>17:00 - 19:00</td>
<td><strong>Surgical management of tuberculous spondylodiscitis</strong></td>
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<td>C. Kilincer (Turkey)</td>
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<tr>
<td>17:15 - 17:30</td>
<td><strong>Spinal tuberculosis in the modern era</strong></td>
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<td>J. Bull (United Kingdom)</td>
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<td>17:30 - 17:36</td>
<td><strong>Surgical navigation system using augmented reality with intraoperative</strong></td>
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<td><strong>imaging. A thoracic screw placement accuracy study</strong></td>
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<td>A. Elmi-Terander (Sweden)</td>
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<td>17:36 - 17:42</td>
<td><strong>Incidences and outcome of patients suffering from bacterial meningitis</strong></td>
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<td><strong>due to pyogenic spinal infections</strong></td>
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<td>I. Janssen (Germany)</td>
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<td>17:42 - 17:48</td>
<td><strong>Disease specific outcome measurement in spine surgery - is it really</strong></td>
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<td><strong>necessary?</strong></td>
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<td>W. Moojen (Netherlands)</td>
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<td>17:48 - 17:54</td>
<td><strong>Surgery of tethered cord syndrome in adults</strong></td>
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<td>C. Kilincer (Turkey)</td>
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### Scientific Programme

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>17:54 - 18:00</td>
<td>Presentation of a simple method for the evaluation of the outcome of palliative surgery for vertebral metastasis</td>
<td>T. Bouras (Belgium)</td>
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<tr>
<td>18:00 - 18:06</td>
<td>Money, not time, heals all wounds; improved outcomes in private versus public patients following microdiscectomy in a single centre - prospective trial</td>
<td>L.M. Houlihan (Ireland)</td>
</tr>
<tr>
<td>18:06 - 18:12</td>
<td>Ligament flavum sparing lumbar disc surgery for preventing epidural fibrosis</td>
<td>E. Turkoglu (Turkey)</td>
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<tr>
<td>18:12 - 18:18</td>
<td>Meningoceles and myelomeningoceles in newborns: a study of 52 cases</td>
<td>N. Ucler (Turkey)</td>
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<tr>
<td>18:18 - 18:24</td>
<td>Comparison of postoperative outcomes of different surgical techniques in patients with Chiari type I malformation</td>
<td>H. Güler (Turkey)</td>
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<tr>
<td>18:24 - 18:30</td>
<td>Postoperative monitoring with a mobile application after ambulatory lumbar discectomy: an effective tool for spine surgeons</td>
<td>B. Debono (France)</td>
</tr>
<tr>
<td>18:30 - 18:36</td>
<td>Clinical and real world experience with anular closure at a single site</td>
<td>A. Kursumovic (Germany)</td>
</tr>
<tr>
<td>18:36 - 18:42</td>
<td>Basilar invagination, surgical techniques, radiological results and clinical outcomes</td>
<td>M.S. Çağlı (Turkey)</td>
</tr>
<tr>
<td>18:42 - 18:48</td>
<td>The demographical profile and biopsychosocial characteristics of microdiscectomy patients in Ireland</td>
<td>L.M. Houlihan (Ireland)</td>
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</tbody>
</table>

### Vascular

**17:00 - 19:00**

**Aneurysms 2**

**Chairs:**
- S. Florian (Romania)
- G. Orfanidis (Greece)

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>17:00 - 17:15</td>
<td>Long-Term Excess Mortality after Aneurysmal Subarachnoid Hemorrhage</td>
<td>J. Huhtakangas (Finland)</td>
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<tr>
<td>17:15 - 17:30</td>
<td>The surgical challenge of an unruptured aneurysm</td>
<td>F. Stefan (Romania)</td>
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<tr>
<td>17:30 - 17:45</td>
<td>Should we change our aneurysm treatment paradigm?</td>
<td>M. Barbosa (Portugal)</td>
</tr>
<tr>
<td>17:45 - 18:00</td>
<td>Augmented reality in cerebrovascular surgery</td>
<td>K. Schaller (Switzerland)</td>
</tr>
</tbody>
</table>
Scientific Programme

Use of adenosin cardia arrest during aneurysm surgery 18:00 - 18:15
T.R. Meling (Norway)

Customisation of the surgical approach in aneurysm surgery 18:15 - 18:30
L. Regli (Switzerland)

Microsurgical Management of Paraclinoid Aneurysms. Experience with 300 Cases. 18:30 - 18:45
J. Mura (Chile)

Pediatrics
17:00 - 19:00
Skalkotas Hall

Congenital malformations - Brain tumours

Chairs:
A.V. Ciurea (Romania)
K. Panagopoulos (Greece)

Endoscopic transsphenoidal surgery for pediatric craniopharyngiomas 17:00 - 17:15
M. Javadpour (Ireland)

SEGA in children with tuberous sclerosis complex - therapeutic options 17:15 - 17:30
M. Mandera (Poland)

New therapeutics for pediatric gliomas 17:30 - 17:45
J. Grill (France)

Medulloblastomas: How molecular biology reshapes the clinical management 17:45 - 18:00
J. Grill (France)

Medulloblastomas - 25 years of experience 18:00 - 18:15
A.V. Ciurea (Romania)

Low grade gliomas and non invasive mapping techniques 18:15 - 18:30
F. Boop (United States)

A retrospective analysis of neonatal encephalocele predisposing factors and outcomes 18:30 - 18:36
S. Yucetas (Turkey)

Fractures of the skull base and pneumarthrosis of the temporomandibular joint in children 18:36 - 18:42
M. Talabaev (Belarus)

A simplified surgical approach to sagittal synostosis: A single center’s experience 18:42 - 18:48
P. Konofaos (United States)

Use of gravitational shunts in the treatment of pediatric hydrocephalus. A single centre experience 18:48 - 18:54
C. Chamilos (Greece)

Endoscopic management of intraventricular cysts in infants and children 18:54 - 19:00
M. Mandera (Poland)
**Scientific Programme**

### General

**17:00 - 19:00**

**MC 3**

**Chairs:**
C. Vara Luiz (Portugal)
D. Zevgaridis (Greece)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>17:00 - 17:15</td>
<td><strong>Angiography - How it began</strong></td>
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<tr>
<td></td>
<td>C. Vara Luiz (Portugal)</td>
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<tr>
<td>17:15 - 17:30</td>
<td><strong>Intracranial venous anatomy (neuroanatomy)</strong></td>
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<tr>
<td>17:30 - 17:45</td>
<td><strong>Endoscope holding devices in cranial neurosurgery: Past, present and future</strong></td>
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<tr>
<td></td>
<td>D. Paraskevopoulos (United Kingdom)</td>
</tr>
<tr>
<td>17:45 - 18:00</td>
<td><strong>Intraoperative neurophysiological monitoring in neurosurgery: From the classics to the future</strong></td>
</tr>
<tr>
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<td>F. Sala (Italy)</td>
</tr>
<tr>
<td>18:00 - 18:15</td>
<td><strong>referapatient - an online platform streamlining the complex process of making acute neurosurgical referrals.</strong></td>
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<td>S. Pushpananthan (United Kingdom)</td>
</tr>
<tr>
<td>18:15 - 18:30</td>
<td><strong>Neurosurgery in pregnancy: Experience and management strategies for malignant and benign diseases</strong></td>
</tr>
<tr>
<td></td>
<td>E. Kasper (United States)</td>
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<tr>
<td>18:30 - 18:45</td>
<td><strong>Simplified endoscopic approach to sellar lesions in Coquimbo</strong></td>
</tr>
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<td></td>
<td>A. Pavez Salinas (Chile)</td>
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<tr>
<td>18:45 - 18:51</td>
<td><strong>Ethical dilemmas in modern neurosurgery</strong></td>
</tr>
<tr>
<td></td>
<td>L. Likhterman (Russian Federation)</td>
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</tbody>
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### Functional

**17:00 - 18:00**

**MC 3.2**

**Advances in pain management**

Limited seats available. Reserve your place while registering for EANS2016.

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>17:00 - 17:20</td>
<td><strong>Case presentation I</strong></td>
</tr>
<tr>
<td></td>
<td>J. Vesper (Germany)</td>
</tr>
<tr>
<td>17:20 - 17:40</td>
<td><strong>Case presentation II</strong></td>
</tr>
<tr>
<td></td>
<td>E. Pereira (United Kingdom)</td>
</tr>
<tr>
<td>17:40 - 18:00</td>
<td><strong>Case presentation III</strong></td>
</tr>
<tr>
<td></td>
<td>A. Green (United Kingdom)</td>
</tr>
</tbody>
</table>
Scientific Programme

Spine
17:00 - 18:00

Lumbar spinal stenosis
Limited seats available. Reserve your place while registering for EANS2016.

Case presentation I 17:00 - 17:20
V. Rohde (Germany)

Case presentation II 17:20 - 17:40
C. Thome (Austria)

Case presentation III 17:40 - 18:00
Y.-M. Ryang (Germany)

Neuro-Oncology
17:00 - 18:00

Vestibular schwannomas
Limited seats available. Reserve your place while registering for EANS2016.

Case presentation I 17:00 - 17:20
D. d'Avella (Italy)

Case presentation II 17:20 - 17:40
M. Tatagiba (Germany)

Case presentation III 17:40 - 18:00
A. Samii (Germany)
Neurosurgery: From the Classics to the future (EANS 2016),
September 4 - 8, 2016,
Athens, Greece

Scientific Programme

Thursday, 08 September 2016

Neuro-Oncology
07:30 - 09:20  Trianti Hall

**Skull base 3**

**Chairs:**
A. Parajon (Spain)
P. Selviaridis (Greece)

- **Supraorbital keyhole approach for anterior skull base tumours-How I do it**
  P. Selviaridis (Greece)  07:30 - 07:42
- **Petrosectomies for neurosurgeons: Abandoned or amended?**
  P.-H. Roche (France)  07:42 - 07:54
- **Surgery of invasive regional tumours of the head**
  S. Rocka (Lithuania)  07:54 - 08:06
- **Craniofacial resections of anterior skull base malignancies**
  T.R. Meling (Norway)  08:06 - 08:18
- **Complex cranial surgeries requiring layered resection, duroplasty and cranioplasty with neo-skin closure techniques**
  E. Kasper (United States)  08:18 - 08:30
- **Hemihypoglossal-facial nerve anastomosis for facial reanimation**
  P. Kunert (Poland)  08:30 - 08:42
- **Evolution surgery of the skull base and craniovertebral junction chordomas**
  A. Shkarubo (Russian Federation)  08:42 - 08:54
- **Extended endoscopic endonasal surgery - tailored approach for surgery of clival and craniocervical chordomas**
  J. Kunicki (Poland)  08:54 - 09:06
- **Management of optic nerve involvement in skull base meningiomas**
  S. Spektor (Israel)  09:06 - 09:18

Vascular
07:30 - 09:20  Banqueting Hall

**Aneurysms 3**

**Chairs:**
L. Regli (Switzerland)
M. Bruneau (Belgium)

- **Risk of rupture of small aneurysms**
  M. Korja (Finland)  07:30 - 07:45
**Scientific Programme**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>07:45 - 08:00</td>
<td>Aneurysm recurrence after treatment is dependent on aneurysm wall biology</td>
<td>S. Marbacher (Switzerland)</td>
<td>Mitropoulos Hall</td>
</tr>
<tr>
<td>08:00 - 08:15</td>
<td>The role of the immune system in mediating secondary brain injury after subarachnoid hemorrhage</td>
<td>U.C. Schneider (Germany)</td>
<td>Mitropoulos Hall</td>
</tr>
<tr>
<td>08:15 - 08:30</td>
<td>Surgical clipping for unruptured very small aneurysms</td>
<td>M. Bruneau (Belgium)</td>
<td>Mitropoulos Hall</td>
</tr>
<tr>
<td>08:30 - 08:45</td>
<td>Balloon occlusion tests and therapeutic occlusion of vessels to and in the brain: How, when, and when not</td>
<td>A. Sorteberg (Norway)</td>
<td>Mitropoulos Hall</td>
</tr>
<tr>
<td>08:45 - 09:00</td>
<td>Evidence that aspirin decrease aneurysm rupture in human and mice</td>
<td>D. Hasan (United States)</td>
<td>Mitropoulos Hall</td>
</tr>
<tr>
<td>09:00 - 09:15</td>
<td>Management of incidental aneurysms in an academic latinamerican hospital</td>
<td>M. Baccanelli (Argentina)</td>
<td>Mitropoulos Hall</td>
</tr>
</tbody>
</table>

**Pediatrics**

07:30 - 09:20  
**Adult Hydrocephalus-Conjoint session of EANS and International Society of Hydrocephalus and CSF Disorders**

**Chairs:**  
G. Aygok (United States)  
M. Gangemi (Italy)

<table>
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<th>Time</th>
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<tbody>
<tr>
<td>07:30 - 07:45</td>
<td>ICP, CSF dynamics and outcome after shunting</td>
<td>M. Czosnyka (United Kingdom)</td>
<td>Mitropoulos Hall</td>
</tr>
<tr>
<td>07:45 - 08:00</td>
<td>The diagnostic challenges in NPH, ELD versus tap test</td>
<td>G. Aygok (United States)</td>
<td>Mitropoulos Hall</td>
</tr>
<tr>
<td>08:00 - 08:15</td>
<td>High Resolution MRI in Adult Hydrocephalus</td>
<td>A. Blitz (United States)</td>
<td>Mitropoulos Hall</td>
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<tr>
<td>08:15 - 08:30</td>
<td>Shunt treatment, valves, pressures, complications</td>
<td>U. Kehler (Germany)</td>
<td>Mitropoulos Hall</td>
</tr>
<tr>
<td>08:30 - 08:45</td>
<td>ETV and NPH</td>
<td>M. Gangemi (Italy)</td>
<td>Mitropoulos Hall</td>
</tr>
<tr>
<td>08:45 - 08:51</td>
<td>Does subjective improvement in adults with intracranial arachnoid cysts justify their surgical treatment?</td>
<td>K. Rabiei (Sweden)</td>
<td>Mitropoulos Hall</td>
</tr>
<tr>
<td>08:51 - 08:57</td>
<td>Ventricular volumetric analysis during hydrocephalus development in an animal model of adult chronic hydrocephalus</td>
<td>T. Vivas-Buitrago (United States)</td>
<td>Mitropoulos Hall</td>
</tr>
</tbody>
</table>
Scientific Programme

Endoscopic insight of adult idiopathic occlusion of the foramen of monro: considerations for the entity
D. Paraskevopoulos (United Kingdom) 08:57 - 09:03

Cracking the code: an update on idiopathic intracranial hypertension
P.N. Papageorgiou (United Kingdom) 09:03 - 09:09

Shunting for normal pressure hydrocephalus in the setting of aspirin therapy: management of an increased risk of subdural hematoma.
P. Birkeland (Denmark) 09:09 - 09:15

Spine
07:30 - 09:20  Skalkotas Hall

EANS-AOSpine joint session
Challenges in Cranio-Vertebral junction pathologies: update on current diagnostic and treatment modalities

Chairs:
G. Barbagallo (Italy)
J. Duff (Switzerland)

Inflammatory and congenital diseases of CV junction: when and how to treat
A. Casey (United Kingdom) 07:30 - 07:50

Primary and secondary tumors of the CV junction: differential diagnosis and treatment strategies
C.F. Freyschlag (Austria) 07:50 - 08:10

Degenerative disease of the CV junction and relation with subaxial cervical spine
A. Spiliotopoulos (Greece) 08:10 - 08:30

The role of CVJ in cervical and overall spine sagittal alignment: from diagnosis to management
V. Traynelis (United States) 08:30 - 08:50

General discussion 08:50 - 09:00
Case-based debate 09:00 - 09:10

Case-based debate 09:10 - 09:20
J. Duff (Switzerland)

Other
07:30 - 09:20  MC 3

Oral Presentations

Chairs:
R. Rola (Poland)
A. Andreou (Greece)
Scientific Programme

Subdural haematoma in the paediatric population over a twenty year period: a multicentre observational study of survival and prognostic factors
D.M. Fountain (United Kingdom)

07:30 - 07:36

Randomized, prospective, multicenter trial for guided application of ventricular catheters - GAVCA study
U.-W. Thomale (Germany)

07:36 - 07:42

Impaired health-related quality of life in meningioma patients - a systematic review
A.H. Zamanipoor Najafabadi (Netherlands)

07:42 - 07:48

Supratotal resection in low grade gliomas (LGG): feasibility and clinical impact
M. Rossi (Italy)

07:48 - 07:54

Extent of resection (EOR) in glioma surgery: does the preoperative comorbidity status affect resection and time-to-death (TD)?
V. Sekar (United Kingdom)

07:54 - 08:00

Fluorescein-guided surgery with a dedicated filter on the surgical microscope for resection of high-grade gliomas: results of the multicentric phase II fluoglio study
K.-M. Schebesch (Germany)

08:00 - 08:06

Retrospective study of 229 surgically treated patients with brain metastases: prognostic factors, outcome and comparison of RPA and DS-GPA classification
M. Pojskic (Germany)

08:06 - 08:12

The role of MR spectroscopy and diffusion weighted MR imaging in the diagnosis of glioblastoma relapse after complex oncology treatment: final results
R. Jancalek (Czech Republic)

08:12 - 08:18

Correlation of preoperative diffusion tensor tractography for cranial nerves with intraoperative findings in surgery of cerebellopontine angle tumours: A prospective blind study of 40 patients
O. Churi (India)

08:18 - 08:24

3D intraoperative Ultrasound and MR image-guidance: pursuing an ultrasound-based management of brainshift to improve neurosurgical navigation
M. Riva (Italy)

08:24 - 08:30

The "No-Drill" technique of anterior clinoidectomy: A cranial base approach to the paraclinoid and paraseellar region
D.J. Chang (United States)

08:30 - 08:36

Begin of radiochemotherapy and growth dynamics as determined by the Ki-67 labelling index do not impact survival in newly diagnosed glioblastoma patients
P. Stavrinou (Germany)

08:36 - 08:42

Clinical predictors of survival in patients with glioblastoma
C. Noronha (Portugal)

08:42 - 08:48
Scientific Programme

Impact of tumor volume in recurrent glioblastoma 08:48 - 08:54
J. Gerhardt (Germany)

Endoscopic resection of sellar lesions: the benefit of angled optics 08:54 - 09:00
J. Oertel (Germany)

Oral Presentations

Chairs:
L. Rasulic (Serbia)
V. Papanastassiou (Cyprus)

Sex-dependent vulnerability explains higher SAH incidence in women? 07:30 - 07:36
J. Lindbohm (Finland)

Aneurysms with dense basal subarachnoid hemorrhage (Fisher Grades 3): a microsurgical tactic 07:36 - 07:42
T. Shatokhin (Russian Federation)

Assessment of the clipping efficacy intracranial aneurysms: analysis of the clipping technique in relation to case difficulty 07:42 - 07:48
M. Carvi y Nievas (Germany)

Flow-diverter stents as a stand-alone treatment of ruptured blister aneurysms: systematic review focusing on clinical and technical nuances 07:48 - 07:54
D. Bongetta (Italy)

Diagnostic under-gradning in IDH wildtype gliomas due to small pathological tissue samples 07:54 - 08:00
M. Gutt-Will (Switzerland)

Role of surgical resection in recurrent glioblastoma: prognostic factors and outcome evaluation 08:00 - 08:06
F. Pessina (Italy)

Analysis of tumor-infiltrating innate immune cells after uptake of glioblastoma-derived extracellular vesicles in vivo 08:06 - 08:12
M. Broekman (Netherlands)

Knock down of Rab27a results in reduced extracellular vesicle shedding by glioma cells thereby possibly reducing oncogenic activity 08:12 - 08:18
M. Broekman (Netherlands)

Molecular 70-kDa heat shock protein (Hsp70) as a diagnostic marker in high-grade glioma patients 08:18 - 08:24
M. Shevtsov (Germany)

Recruitment of immune effector cells against glioblastoma-multiforme by a MHC-chlorotoxin chimeric protein 08:24 - 08:30
O. Cohen-Inbar (Israel)
Scientific Programme

A safe approach to explore the V3 segment of the vertebral artery during minimally invasive posterolateral approaches to the ventral elements of the craniocervical junction
E. Archavlis (Germany)

08:30 - 08:36

Endoscopic orbital approaches: from transnasal to transorbital
C. Zoia (Italy)

08:36 - 08:42

Risk factors for postoperative cerebrospinal fluid (CSF) leak following endoscopic transnasal pituitary and anterior skull base surgery
R. Al-Mahfoudh (United Kingdom)

08:42 - 08:48

Preoperative planning based on repetitive navigated transcranial magnetic stimulation (nTMS) improves surgical treatment of language-eloquent brain tumors
A. Germanò (Italy)

08:48 - 08:54

Risk factors for sudden death from SAH
J. Lindbohm (Finland)

08:54 - 09:00

Vascular
07:30 - 08:30
MC 3.2

Deep seated cerebral cavernomas
Limited seats available. Reserve your place while registering for EANS2016.

Case presentation I
H. Bertalanffy (Germany)

07:30 - 07:50

Case Presentation II
U. Ture (Turkey)

07:50 - 08:10

Case presentation III
U. Sure (Germany)

08:10 - 08:30

Neuro-Oncology
07:30 - 08:30
MC 3.3

Intramedullary tumours
Limited seats available. Reserve your place while registering for EANS2016.

Case presentation I
B. Meyer (Germany)

07:30 - 07:50

Case presentation II
J. Lafuente (Spain)

07:50 - 08:10

Case presentation III
A. Szelenyi (Germany)

08:10 - 08:30
Neurosurgery: From the Classics to the future (EANS 2016),
September 4 - 8, 2016,
Athens, Greece

Scientific Programme

Neuro-Oncology
07:30 - 08:30
MC 3.5

Management of giant adenomas
Limited seats available. Reserve your place while registering for EANS2016.

Case presentation I
07:30 - 07:50
F. Gentili (Canada)

Case presentation II
07:50 - 08:10
M. Kutin (Russian Federation)

Case presentation III
08:10 - 08:30
N. Foroglou (Greece)

Keynote Lectures
09:30 - 11:00
Trianti Hall

Keynote Lectures I

Chairs:
A. Seferi (Albania)
N. Foroglou (Greece)

The RESCUE icp study
09:30 - 09:45
P. Hutchinson (United Kingdom)

Extended endoscopic approaches
09:45 - 10:05
P. Cappabianca (Italy)

Spinal metastasis, is there anything new?
10:05 - 10:25
J. Lafuente (Spain)

Challenges in the training of a young neurosurgeon: Conflicts, options, solutions?
10:25 - 10:40
A. Demetriades (United Kingdom)

Functional neurosurgery: the brave new frontier
10:40 - 11:00
A. Lozano (Canada)

Keynote Lectures II

Chairs:
J. Lourido (Spain)
C.F. Freyschlag (Austria)

Epilepsy surgery: a subspecialty at crossroads between clinics and basic and information science
11:30 - 11:45
K. Schaller (Switzerland)
Scientific Programme

Evidence-based medicine versus personal-based medicine: Which way to go  
A. Maas (Belgium)  
11:45 - 12:05

Surgical management of dystonia  
J. Krauss (Germany)  
12:05 - 12:25

New classification and insights into optic tract gliomas  
S. Constantini (Israel)  
12:25 - 12:40

Neurosurgery in ancient Greece  
P. Selviaridis (Greece)  
12:40 - 13:00

Neuro-Oncology  
13:30 - 15:30

Advances in treatment of brain tumours  
Banqueting Hall

Chairs:  
N. Sampron (Spain)  
T. Palaiologos (Greece)

Treatment strategies in diffuse astrocytomas  
N. Foroglou (Greece)  
13:30 - 13:45

The biology of high grade gliomas in its labyrinth and the most promising galeries  
N. Sampron (Spain)  
13:45 - 14:00

Immunotherapy for brain cancer: What the neurosurgeon should know  
S. De Vleeschouwer (Belgium)  
14:00 - 14:15

Surgical approach in recurrent glioblastoma  
M. Gorgan (Romania)  
14:15 - 14:27

The search for new therapeutic modalities in malignant glioma: New horizons, scope and limitations  
V. Papanastassiou (Cyprus)  
14:27 - 14:39

Epigenetics in diagnostics and therapy of brain tumours.  
A.-M. Barciszewska (Poland)  
14:39 - 14:51

Experimental treatment of brain metastases  
T. Sundstrøm (Norway)  
14:51 - 15:03

Intra-arterial methotrexate-based chemotherapy using blood-brain barrier disruption for newly diagnosed primary CNS lymphoma: A single-institution experience  
G. Kobyakov (Russian Federation)  
15:03 - 15:15
Scientific Programme

Vascular
13:30 - 15:30 Mitropoulos Hall

Cerebral AVM 3 - Stroke

Chairs:
F. Proust (France)
D. Netuka (Czech Republic)

Staged radiosurgery for large AVM
M. Radatz (United Kingdom) 13:30 - 13:45

Combined exclusion of AVM in one step (endovascular and exclusion)
F. Proust (France) 13:45 - 14:00

Multidisciplinary management for AVMs
G. Lanzino (United States) 14:00 - 14:15

Reconstructive surgery of brachiocephalic Arteries
D. Usachev (Russian Federation) 14:15 - 14:30

Bypass surgery: A 25-year experience
R. Nelson (United Kingdom) 14:30 - 14:45

CTAg, MRAg, DSA and DUS precisness in detection of carotid stenosis
D. Netuka (Czech Republic) 14:45 - 15:00

Decompressive cranietectomy of the dominant hemisphere in stroke: Are we helping our patients?
J. Lourido (Spain) 15:00 - 15:15

Cerebral AVMs in eloquent areas
M. Bozkurt (Turkey) 15:15 - 15:30

Possibilities of renessaince of acute microsurgical embolectomy assisted by daily cadaver practice
A. Csókay (Hungary) 15:30 - 15:36

Pediatrics
13:30 - 15:30 Skalkotas Hall

Pediatric congenital malformations - CSF disorders

Chairs:
M. Vukic (Croatia)
M. Themistokleous (Greece)

Surgical treatment of chiari malformation
S. Sgouros (Greece) 13:30 - 13:45

Cranio-cervical decompression in chiari I: When is 'bony only' sufficient?
M. Messing-Junger (Germany) 13:45 - 14:00

Outcomes of surgical treatment in adult chiari I malformation
K. Arnautovic (United States) 14:00 - 14:15
Scientific Programme

CSF circulation-does it really exist?  14:15 - 14:30  
M. Vukic (Croatia)

Neuroendoscopy: Not only ETV  14:30 - 14:45  
A. Xhumari (Albania)

Decision making and management in patients with arachnoid cyst  14:45 - 15:00  
A. Kafadar (Turkey)

Management of spinal dysraphism  15:00 - 15:15  
M. Zerah (France)

Other  
13:30 - 15:30  
MC 3

Training & education in Europe workshop

Chairs:  
N. Alshafai (Belgium)  
A. Grotenhuis (Netherlands)

Introduction  13:30 - 13:35  
A. Grotenhuis (Netherlands)

Summary of "The European Educational Project 2016"  13:35 - 13:50  
N. Alshafai (Belgium)

EUROPEAN BOARD CERTIFICATION PROCESS: European Board Examinations (EBNS)  13:50 - 14:00  
P. Whitfield (United Kingdom)

EUROPEAN BOARD CERTIFICATION PROCESS: The Swiss system/examination process. How does it work in three different languages, one country?  14:00 - 14:07  
L. Regli (Switzerland)

EUROPEAN BOARD CERTIFICATION PROCESS: Beyond Europe "The North American experience"  14:07 - 14:17  
J. Hurlbert (United States)

Should the European Board be applied to all of Europe? A Debate. YES, DEFINITELY  14:17 - 14:24  
A. Grotenhuis (Netherlands)

Should the European Board be applied to all of Europe? A Debate. NO, IT SHOULDN'T  14:24 - 14:32  
M. Zerah (France)

Post debate Q&A  14:32 - 14:40

ROUND TABLE EXPERT PANEL DISCUSSION & VOTING Ten important itching questions about Training and Education with open voting! (Answers will be displayed and discussed)  14:40 - 14:50

ROUND TABLE EXPERT PANEL DISCUSSION & VOTING! Looking towards a more efficient neurosurgical training in Europe! (What can we learn & what role could the EANS play)  14:50 - 15:20
Scientific Programme

ROUND TABLE EXPERT PANEL DISCUSSION & VOTING! Q&A 15:20 - 15:25
CONCLUSION: Final thoughts and recommendations 15:25 - 15:30
N. Alshafai (Belgium)

Other 13:30 - 15:30  MC 2

Oral Presentations

Chairs:
M. Spyrou (Cyprus)
A. Kravchuk (Russian Federation)

C. Griessenauer (United States)

Perimesencephalic subarachnoid haemorrhage (PMSAH) - a UK-based, multicentre insight into the investigation of this condition 13:36 - 13:42
A. Khan (United Kingdom)

X. Zhang (Germany)

Neurosurgical approach for treatment of common carotid artery occlusions 13:48 - 13:54
V. Lukshin (Russian Federation)

Minimally invasive approach to anterior fossa meningiomas 13:54 - 14:00
J. Nemir (Croatia)

The genetic landscape of clival chordomas 14:00 - 14:06
G. Zenonos (United States)

Aggressive pituitary adenomas: The dark side of the moon 14:06 - 14:12
F.F. Angileri (Italy)

Innovative minimally invasive transoral robotic surgery (TORS) for pituitary gland tumors with the da Vinci: first patients' experience 14:12 - 14:18
D. Chauvet (France)

A prospective, randomized control trial of lumbar drain placement after endoscopic endonasal skull base surgery 14:18 - 14:24
G. Zenonos (United States)

Purely endoscopic mini-pterional approach: Concept, principles, anatomic study and pilot surgical series 14:24 - 14:30
H. Andrade Barazarte (Canada)

The main causes, types and severity of sports-related neurotrauma: the experience of the Burdenko neurosurgical institute 14:30 - 14:36
A. Potapov (Russian Federation)
Scientific Programme

Circulating microRNA as novel early biomarker of sport concussion in elite athletes 14:36 - 14:42
M. Wang (United Kingdom)

Detection of intracranial haematomas in A&E using a portable near infrared device 14:42 - 14:48
V. Kontojannis (United Kingdom)

A step towards a portable non-invasive monitor for brain injury; Near Infra-Red Spectroscopy demonstrating equivalence to Functional Magnetic Resonance Imaging 14:48 - 14:54
D. Davies (United Kingdom)

Ceremonies
15:30 - 17:00
Banqueting Hall

Closing Ceremony

Chairs:
P. Selviaridis (Greece)
A. Grotenhuis (Netherlands)

Aesculap Award for best clinical paper: Does subjective improvement in adults with intracranial arachnoid cysts justify surgical treatment? 15:30 - 15:37
K. Rabiei (Sweden)

Presentation of the Aesculap EANS Research Award 2016 for the best clinical research paper to Katrin Rabiei

Aesculap Award for best laboratory paper: Neurofibromin deficiency is linked to striatal dysfunction 15:37 - 15:44
B. Shofty (Israel)

Presentation of the Aesculap EANS Research Award 2016 for the best laboratory research paper to Ben Shofty

Presentation of the Braakman Award to William Lo

Presentation of the EANS2016 Best Oral Abstracts Award

Presentation of the EANS2016 Best Posters Award

Closing words from the EANS2016 Congress President 15:44 - 15:51
P. Selviaridis (Greece)

Invitation from the EANS2017 Congress President 15:51 - 15:58
D. d'Avela (Italy)

Closing words from the EANS President 15:58 - 16:05
A. Grotenhuis (Netherlands)