Sunday, April 17th 2016

8:30  PLENARY SESSION 1

Chairs: Y-K. Tu, Taiwan, H. Rahmat, Iran

8:30  Surgery of the third ventricular tumors
      A. Konovalov, Russia

8:45  Neurosurgical management of craniopharyngiomas
      R. Fahlbusch, Germany

9:00  Minimum transpetrosal approach for craniopharyngioma
      K. Ohata, Japan

9:15  State of the art for treatment of pituitary adenomas
      A. Basso, Argentina

9:30  Brain control of energy homeostasis
      H. Lehnert, Germany

9:45  Skull base surgery: complications and avoidance
      M. Arraez, Spain

10:00  TEA & COFFEE BREAK
10:30 PLENARY SESSION 2

Chair: V. Benes, Czech Republic, K. Abbassioun, Iran

10:30 Guidelines for the neuroimaging and management of traumatic brain injury
A. Potapov, Russia

10:45 Virtual and augmented reality for surgical image guidance and neurosurgical education
N. Martin, USA

11:00 The art of surgery for craniosynostosis
C. Di Rocco, Germany

11:15 Craniopagus twins: outcome and management in 18 cases
J. Goodrich, USA

11:30 The anatomical substrate of cerebellar mutism
A. Grotenhuis, Netherlands

11:45 Hydrocephalus in pediatric patients
F. Nejat, Iran
12:00  PLENARY SESSION 3

Chairs: F. Tomasello, Italy, M. Tabatabai, Iran

12:00  Patient evaluation in spinal disorders
       M. Zileli, Turkey

12:15  Choices and indications for approaching the cervical spine
       M. Camins, USA

12:30  Endoscopic spine approaches in degenerative diseases
       E. Osorio Fonseca, Columbia

12:45  Modern aspects in scoliosis surgery
       J. Harms, Germany

13:00  LUNCH

13:00  ADMINISTRATIVE MEETINGS

14:30  ENTRANCE FOR OPENING CEREMONY

15:00  BEGINNING OF OPENING CEREMONY

17:00  END OF OPENING CEREMONY

18:00  WELCOME RECEPTION AND DINNER
Monday, April 18th 2016

8:30 PLENARY SESSION 4

Chairs: M. Mehdorn, Germany, K. Parsa, Iran

8:30 30 year comparison of MVD & balloon compression for trigeminal neuralgia
N. Dan, Australia

8:45 Microvascular decompression (MVD) in neurovascular conflicts
F. Tomasello, Italy

9:00 Ablative stereotactic neurosurgery, obsolete or renaissance?
F. Alesch, Austria

9:15 Why should neurosurgeons be interested in spasticity?
G. Fieggen, South Africa

9:30 Microsurgical DREZOTOMY for pain and spasticity
M. Sindou, France

9:45 Surgical approaches for the improvement of functional deficits
HJ. Freund, Germany

10:00 TEA & COFFEE BREAK
10:30 PLENARY SESSION 5

Chairs: A. Grothenhuis, Netherlands, E. Ketabchi, Iran

10:30  Skull base chordomas
       S. Froelich, France

10:45  Hydrocephalus secondary to posterior fossa tumor
       A. El hakim, Egypt

11:00  Vestibular schwannomas: microsurgery or radiosurgery? Doing the balancing act
       K. Turel, India

11:15  Surgery of jugular foramen tumors
       R. Ramina, Brazil

11:30  Long-term results of large petroclival meningiomas after subtotal resection followed by
       radiosurgery
       H-W. Jung, South-Korea

11:45  Disaster trauma: neurosurgery can lead global surgery progress
       R. Andrews, USA
12:00 PLENARY SESSION 6

Chairs: A. Radek, Poland, A. Amirjamshidi, Iran

12:00  Tissue dynamics and its impact on peripheral nerves  
       H. Millesi, Austria

12:15  Challenges of peripheral nerve and brachial plexus surgery in 21th century  
       L. Rasulic, Serbia

12:30  New chitosan-based nerve grafts – developments of the EU research consortium BIOHYBRID  
       C. Grothe, Germany

12:45  Brain machine interface  
       S. Haddadin, Germany

13:00 LUNCH
14:00 EXPERT SESSION 1 - Hall 1
TOPIC: Sellar Region I

Chairs: S. Florian, Romania, M. Samadian, Iran

14:00  Tuberculum sellae meningioma about 42 cases
       L. Boublata, Algiers

14:15  Endoscopic endonasal navigation assisted resection of sellar and parasellar lesions
       M. El Feki, Egypt

14:30  Anterior basal meningiomas, do different approaches make a difference?
       A. Aljuboori, Iraq

14:45  Surgery of Sella Turcica
       A. El Azhari, Morocco

15:00  The value of intraoperative MRI in pituitary surgery
       V. Paternó, Germany

15:15  Endonasal endoscopic approaches to pituitary adenomas invading into different cavernous sinus compartments
       R. Bosnjak, Slovenia

15:30  Discussion

16:00  TEA & COFFEE BREAK
14:00  EXPERT SESSION 2 - Hall 2  

**TOPIC: Posterior Fossa I**

Chairs: E. Zverina, Czech Republic, S.A. Tahami, Iran

14:00  *Vestibular schwannoma - optimal treatment*  
E. Zverina, Czech Republic

14:15  *Vestibular schwannoma surgery: our results*  
K. Yrysov, Kirgizstan

14:30  *Translabirynthine approach to CP angle tumors*  
D. Avella, Italy

14:45  *Management of posterior fossa arachnoid cysts*  
BO. de Lima, Brazil

15:00  *Management of posterior fossa tumors in Niger*  
S. Samuila, Niger

15:15  *Endoscopic transoral approach to jugular foramen: an anatomic study*  
L. Mingchu, China

15:30  *Discussion*

16:00  TEA & COFFEE BREAK
14:00  EXPERT SESSION 3 - Hall 3  
**TOPIC: III Ventricle Tumors & Pediatric Neurosurgery**

*Chairs: R. Fahlbusch, Germany, H. Mashadinejad, Iran*

14:00  *Neurosurgical treatment of craniopharyngiomas*  
P. Mortini, Italy

14:15  *Tumors of the third ventricle*  
M. Paglioli Ferrera, Brazil

14:30  *Neuroendoscopic treatment in the lesions of the third ventricle*  
A. Delitala, Italy

14:45  *Surgical treatment of colloid cysts of the third ventricle*  
E. Solaroglu, Turkey

15:00  *Current endoscopic treatment concepts for the third ventricular tumors*  
S. Oi, Japan

15:15  *Epidemiology and surgical issues of intracranial germ cell tumors*  
T. Wong, Taiwan

15:30  *Discussion*

16:00  *TEA & COFFEE BREAK*
14:00  EXPERT SESSION 4 - Hall 4

**TOPIC: Spine I**

Chairs: M. Masini, Brazil A. Haghnegahdar, Iran

14:00  *Spinal cord surgery - overview on surgical morbidity and long-term results*
J. Klekamp, Germany

14:15  *Unilateral microscopic approach for intradural spinal tumors*
B. Atalay, Turkey

14:30  *Surgical treatment of spinal cord intramedullary tumors*
N. Konovalov, Russia

14:45  *Microsurgical technique, pitfalls & results for spinal intramedullary tumors: a series of 250 personally operated cases*
K. Turel, India

15:00  *Minimal invasive Chiari decompression*
S. Robertson, USA

15:15  *Clinico-pathological correlations and prognosis factors after craniovertebral junction decompression for foraminal syringomyelia: 45 cases*
H. Krifa, Tunisia

15:30  *Tethered cord, treatment guidelines, El Salvador experience*
E. Herrera Magana, El Salvador

15:45  *Discussion*

16:00  TEA & COFFEE BREAK
14:00 EXPERT SESSION 5 - Hall 5

**TOPIC: Traumatic Brain injury**

Chairs: A. Potapov, Russia, Sh. Yousefzadeh, Iran

14:00 Pathophysiology of head injuries impact on future management
   H. Elhuseiny, Egypt

14:15 Efficacy of varying doses of mannitol administration, based on ICP monitoring in traumatic brain injury patients
   AS. Kashif, Pakistan

14:30 Diffuse axonal injury in fatal road traffic accident
   S. Gusmao, Brazil

14:45 Advances in brain protection and recovery in traumatic brain injury
   DF. Muresanu, Romania

15:00 Why bilateral fixed and dilated pupils are associated with death and irreversible brain damage: a laboratory and clinical correlation
   J. Hekmatpanah, USA

15:15 A retrospective epidemiological and risk factor evaluation of ventriculostomy in traumatic Brain injury patients in Shiraz Rajaee hospital from March 2010 to 2012
   H. Khalili, Iran

15:30 Cisternostomy versus traditional decompressive craniectomy for management of high intracranial pressure with traumatic brain injury in children
   MS. Masoudi, Iran

15:45 Clinical management of mild traumatic brain injury patients – Place of magnetic resonance imaging in the acute phase
   M. Karan, Serbia

16:00 TEA & COFFEE BREAK
14:00 EXPERT SESSION 6 - Hall 6

**TOPIC: Neurology I**

Chairs: C. Matthies, Germany, M. Sahraian, Iran

14:00  **Epigenetics: New promises to treat complex brain diseases**  
A. Fischer, Germany

14:15  **Quantitative localization and 3D shape approximation of the subthalamic nucleus in deep brain stimulation for Parkinson disease**  
A. Razmkon, Iran

14:30  **Deep brain stimulation both at 130 Hz and 340 Hz suppresses cortical alpha and beta band activity**  
A. Omid, Iran

14:45  **How we can manage chronic migraine?**  
M. Toghaee, Iran

15:00  **Management of peripheral neuropathies in Africa**  
T. Sonan-Douayoua, Ivory Coast

15:15  **Neurosonology in movement disorders**  
B. Zamani, Iran

15:30  **MUNIX, a new neurophysiological index for motor neuron loss in ALS**  
D. Fathi, Iran

15:45  **Discussion**

16:00  **TEA & COFFEE BREAK**
16:30 EXPERT SESSION 7 – Hall 1

**TOPIC: Neurology II**

**Chairs:** M. Tripathi, India, A. Soltanzadeh, Iran

16:30  **Diagnosis of the risk for ischemic stroke based on thermal model in infrared images**
       F. Valipoori Goodarzi, Iran

16:45  **Women & stroke**
       M. Ghabaee, Iran

17:00  **The importance of multi-disciplinary approach for rehabilitation in stroke patient**
       M. Azadvari, Iran

17:15  **Anti-seizure medications in patients with brain tumor and seizures**
       S. Ahmadi-Kervigh, Iran

17:30  **Chronic inflammatory demyelinating polyneuropathy**
       K. Basiri, Iran

17:45  **Criteria of brain death in Western and Asian countries: a critical appraisal**
       Z. Hussain Khan, Iran

18:00  **Discussion**

18:30  **END OF SCIENTIFIC SESSIONS**
16:30  EXPERT SESSION 8 – Hall 2  
**TOPIC: Neuromonitoring and Neurotrauma**

Chairs: B. Mohammadi, Germany, M. Sadeghi, Iran

16:30  Venous Air Embolism in Patients Undergoing Neurosurgical Procedures in Semi-sitting Position: "Is it time to let the cat out of the bag?"
B. Babakhani, Iran

16:45  Intra cranial pressure monitoring
A. Najafi, Iran

17:00  Cerebral oxygen monitoring: introducing an observational prospective study on sitting position neurosurgical procedure
A. Heroabadi, Iran

17:15  Functional MRI for clinical use: pre-operative assessment of brain eloquent areas in patients with brain tumors
A. Mahdavi, Iran

17:30  Effects of brain surgery on emotion and personality of patients
M. Firoozi, Iran

17:45  Polytrauma with and without neurotrauma: experimental animal studies,
MJ. Mirzayan, Iran

18:00  Discussion

18:30  END OF SCIENTIFIC SESSIONS
16:30 EXPERT SESSION 9 – Hall 3

**TOPIC: Molecular Neuroscience**

Chairs: GF. Walter, Germany, MR. Hadjighassem, Iran

16:30 *Regulation of smooth muscle contractility by competing endogenous mRNAs in intracranial aneurysms*
   Z. Mingming, China

16:45 *rMFGE8 confers neuroprotection via integrinβ3/HO-1 after subarachnoid hemorrhage in rats*
   L. Fei, China

17:00 *Comparison of T cell-mediated immune surveillance and in CNS and deep cervical lymph node*
   N. Pakravan, Iran

17:15 *Gene therapy in GBM*
   MR. Hadjighassem, Iran

17:30 *Cerebral-prefusion-based single-photon emission computer tomography (SPECT) staging using NeuroGam® in patients with Moyamoya disease*
   Sp. Young, Korea

17:45 *Frontal lobe seizures (semiology and diagnosis)*
   M. Ghaffarpour, Iran

18:00 *Discussion*

18:30 END OF SCIENTIFIC SESSIONS
16:30 EXPERT SESSION 10 – Hall 4

**TOPIC: Neuro-Otolology & Neuro-Ophthalmology**

Chairs: T. Lenarz, Germany, A. Daneshi, Iran

16:30  *Intracochlear electrocochleography for determining the electrode position*

M. Mirsalehi, Iran

16:45  *Description of language structures of the total number of words and the structure of sentence in storytelling of children with cochlear implant, mental retardation and comparison of them with normal*

S. Haghshenas, Iran

17:00  *Idiopathic intracranial hypertension (pseudo-tumor cerebri)*

K. Abri-Aghdam, Iran

17:15  *Optic toxicity in radiation treatment of meningioma: a retrospective study in 213 patients*

M. Farzin, Iran

17:30  *A retrospective study on the etiology, management, and outcome of brain abscess in an 11-year, single-center study from China*

Z. Chenran, China

17:45  *Discussion*

18:30  END OF SCIENTIFIC SESSIONS
16:30 EXPERT SESSION 11 – Hall 5  
**TOPIC: Neuroregeneration – Cell therapy**

**Chairs:** K. Haastert-Tali, Germany, M. Soleimani, Iran

16:30  *An overview of therapeutic approaches to brain tumor stem cells*  
A. Khoshnevisan, Iran

16:45  *Effect of simulated weightlessness on neurogenesis in the dentate gyrus and the subventricular zone of adult male rats*  
S. Asaad Karimi, Iran

17:00  *Waterborne biodegradable polyurethane 3-dimentional porous scaffold for rat cerebral tissue regeneration*  
F. Fang, China

17:15  *Effects of “high-voltage pulsed electrical stimulation currents” on repair of bed sores in subjects with spinal cord injuries*  
A. Rahimi, Iran

17:30  *Key genes involved in apoptotic cell death after spinal cord injury based on gene regulatory network model*  
A. Shakouri-Motlagh, Iran

17:45  *Novel methods for intra-arterial injection of stem cells to the ischemic brain: a neurosurgical approach*  
F. Azedi Tehrani, Iran

18:00  *Proteomic analysis of mesenchymal stem cells isolated from low grade and high grade glioma*  
A. Omidvar, Iran

18:15  Discussion

18:30  END OF SCIENTIFIC SESSION
16:30  EXPERT SESSION 12 – Hall 6  
  
**TOPIC: Miscellaneous**

Chairs: N. Konovalov, Russia, HR. Mohammadi, Iran  

16:30  *Interdisciplinary plastic reconstruction*
   
   M. Dormiani, Germany  

16:45  *Peptidergic drugs for the treatment of traumatic brain injury and neurodegenerative disorders*
   
   N. Juniahs Mwang’ombe, Kenya  

17:00  *Hydatid cyst of the brain*
   
   M. Bouaziz, Algeria  

17:15  *Prevertebral soft tissue measurements on lateral roentgenogram of cervical spine in West Java Indonesia*
   
   D. Argie, Indonesia  

17:30  *MIS lumbosacral Discectomy MIS-TLIF*
   
   B. Babapour, Iran  

17:45  *Comparison of a distal end-to-side neurorrhaphy with a proximal–distal end-to-side neurorrhaphy: in a rat model*
   
   MA. Hosseinian, Iran  

18:00  *Principles of rehabilitation in neuroscience*
   
   M. Raygani, Iran  

18:30  END OF SCIENTIFIC SESSION
Tuesday, April 19th 2016

8:30  PLENARY SESSION 7

Chairs: N. Martin, USA, E. Abassnejad, Iran

8:30  Neurosurgical treatment of giant aneurysms
      YK. Tu, Taiwan

8:45  Surgical reconstruction of complex cerebral aneurysms
      F. Charbel, USA

9:00  Microsurgery of giant intracranial aneurysms
      B. Misra, India

9:15  Surgery of complex intracranial aneurysms in the endovascular era
      A. Dehdashti, USA

9:30  Language and cognitive disturbances after aneurysmal subarachnoid hemorrhage
      H. Azevedho-Filho, Brazil

9:45  Therapy of cerebral aneurysm
      B. Richling, Austria

10:00 TEA & COFFEE BREAK
10:30 PLENARY SESSION 8

Chairs: U. Ture, Turkey, M. Taghipour, Iran

10:30  Surgical management of cerebral AVMs  
Y. Kato, Japan

10:45  Revolutionary development of DAVF in past 10 years  
L. Feng, China

11:00  Surgery for cranial dural AV-fistulas  
V. Rohde, Germany

11:15  What is useful in brainstem surgery  
H. Bertalanffy, Germany

11:30  Surgery of brain stem cavernomas  
M. Tatagiba, Germany

11:45  Modern technical nuances for resection of brain stem lesions  
M. Mortazavi, USA

12:00 PLENARY SESSION 9

Chairs: HJ. Freund, Germany, GA. Shahidi, Iran

12:00  Development of movement disorders surgery  
JK. Krauss, Germany

12:15  Lambert-Eaton Myasthenic syndrome  
S. Nafissi, Iran

12:30  Deep brain stimulation surgery in movement and psychiatric disorders, ten year experience review in Iran university of medical sciences  
M. Parvaresh, Iran

12:45  Outcome in deep brain stimulation for Parkinson's disease  
C. Matthies, Germany

13:00 LUNCH
14:00  EXPERT SESSION 13 - Hall 1

**TOPIC: Vascular I**

Chairs: H. Bertalanffy, Germany, H. Etemadrezaii, Iran

14:00  Pre- and intraoperative visualization in vascular neurosurgery
   E. Sandalcioglu, Germany

14:15  Management of complex MCA Aneurysms
   L. Regli, Switzerland

14:30  Donor selection in flow replacement bypass surgery for giant/complex cerebral aneurysms
   A. Andreou, Greece

14:45  Management of anterior circulation aneurysms in the post ISAT era. To clip or to coil?
   Single institution experience
   A. El Ouahabi, Morocco

15:00  Multimodality management of cerebral aneurysms
   A. Gruber, Austria

15:15  Combined treatment of intracranial vascular lesions
   K. Rotim, Croatia

15:30  Discussion

16:00  TEA & COFFEE BREAK
14:00  EXPERT SESSION 14 - Hall 2  
**TOPIC: Spine II**

Chairs: E. Osorio- Fonseca, Columbia, A. Rahimizadeh, Iran

14:00  *The way to the Upright MR*  
H. Weigand, Germany

14:15  *Failed spinal surgery - are we missing the basics?*  
K. Kalangu, Zimbabwe

14:30  *Spinal lumbar canal stenosis – treatment by interspinous arthrodesis*  
A. Alexandre, Italy

14:45  *Thoracic spine stenosis*  
M. Masini, Brazil

15:00  *Expandable pedicle screw system in the lumbar spine*  
A. El Shawarby, UAE

15:15  *Wide decompressive laminectomy in treatment of narrow lumbar spinal canal, thirty year experience*  
S. Ezzat, Egypt

15:30  *Percutaneous vertebroplasty in aggressive vertebral hemangiomas*  
E. Pedachenko, Ukraine

15:45  *Cervical kyphotic deformity: report of 22 cases with special reference to multilevel cervical posterior osteotomy*  
A. Rahimizadeh, Iran

16:00  TEA & COFFEE BREAK
14:00  EXPERT SESSION 15 - Hall 3  

**TOPIC: Spine trauma I**  

Chairs: G. Dechambenoit, Ivory Coast, Kh. Rastegari, Iran

14:00  Management of spine injuries in Gabriel Toure Hospital, Mali  
S. Youssouf, Mali

14:15  Complications of percutaneous kyphoplasty in treating malignant thoracolumbar vertebral compression fractures  
H. Abdolhoseinpour, Iran

14:30  Is level of injury a determinant of quality of life among individuals with spinal cord injury?  
A tertiary rehabilitation center report  
M. Yazdanshenas Ghazwin, Iran

14:45  Rehabilitation of spinal cord injuries  
SZ. Emami Razavi, Iran

15:00  Functional impact of multidisciplinary outpatient program on patients with chronic complete spinal cord injury  
H. Saberi, Iran

15:15  Early versus late surgery for traumatic spinal cord injury in thoracic and thoracolumbar area – secondary results of a randomized controlled trial at one-year follow-up  
V. Rahimi-Movaghar, Iran

15:30  Discussion

16:00  TEA & COFFEE BREAK
14:00 EXPERT SESSION 16 - Hall 4

**TOPIC: Neurosurgery in Africa**

Chairs: M. Samii, Germany & Iran, O. Rezaei, Iran

14:00  Perspectives in geographical neurosurgery  
SC. Ohaegbulam, Nigeria

14:15  Neuroscience in tropical Africa  
A. Odhiambo, Kenya

14:30  Neurosurgery in Ghana/ West Africa, challenges and the way forward  
T. Dakurah, Ghana

14:45  Neurosurgery in Tanzania, status and challenges  
H. Shabani, Tanzania

15:00  Neurosurgical practice challenges in developing countries, experience from Sudan  
M. Bashir El malik, Sudan

15:15  Roadmap for establishing neurosurgical training program- Sudan experience  
A. Darrag Salim, Sudan

15:30  Humanitarian neurosurgery and Africa 100 program  
SU. Rehman, China

15:30  Discussion

16:00  TEA & COFFEE BREAK
14:00 EXPERT SESSION 17 - Hall 5  
**TOPIC: Pediatric neurosurgery I**

Chairs: C. Di Rocco, Germany, A. Zali, Iran

14:00  *Research and treatments of cystic adamantinomatous craniopharyngioma*  
L. Massimi, Italy

14:15  *Management of optic hypothalamic tumors in children*  
M. Caldarelli, Italy

14:30  *Developmental anatomy and diagnosis of posterior fossa tumors in children*  
C. Raybaud, Canada

14:45  *A review of the differential diagnosis and management of the posterior fossa giant masses in perinatal age group*  
H. Rahatlou, Iran

15:00  *Combined treatment of medulloblastomas, long term results*  
S. Gorelyshev, Russia

15:15  *Syndromic and non-syndromic craniosynostosis*  
R. Mahmoudi, Iran

15:30  *Discussion*

16:00  TEA & COFFEE BREAK
14:00  EXPERT SESSION 18 - Hall 6

**TOPIC:** Technologies & Special Topics

Chairs: K. Rotim, Croatia, Sh. Azhari, Iran

14:00   *The cape town stereotactic pointer (CTSP) - the Kenyan experience and its role in Sub-Saharan Africa*
        D. OluochOlunya, Kenya

14:15   *Re-thinking the pathophysiologic mechanisms of hydrocephalus: does unity matter? - a proposal for a unified theory of hydrocephalus*
        PD. Kamalo, Malawi

14:30   *Vertical incision in supratentorial pathology*
        I. Omerhodzic, Bosnia-Herzegovina

14:45   *An introduction to the book of “100 stroke cases”, translated from Japanese into Persian*
        J. Jamshidi, Japan

15:00   *Kisspeptin in cognition*
        B. Yilmaz, Turkey

15:15   *What can hydrogels do for repairing the injured central nervous system?*
        Z. Hassannejad, Iran

15:30   Discussion

16:00   TEA & COFFEE BREAK
16:30  EXPERT SESSION 19 – Hall 1

**TOPIC: Vascular II**

Chairs: Y. Kato, Japan, F. Salehpour, Iran

16:30  *Our first experience with endovascular treatment of aneurysms*
V. Filipce, Macedonia

16:45  *“Tear and smile” in cerebrovascular surgery: how to manage ruptured aneurysms? Surgery versus endovascular treatment*
N. El Abbadi, Morocco

17:00  *Microsurgical treatment of complex intracranial aneurysms*
C. You, China

17:15  *The management of complex/difficult/impossible aneurysms*
U. Patel, Great Britain

17:30  *Image based selection criteria in endovascular management of acute stroke*
R. Brüning, Germany

17:45  *Endovascular treatment of blister-type aneurysm*
A. Ghorbani, Iran

18:00  *Endoneurovascular management of brain and spine vascular lesions, our experience in Firoozgar Hospital (IUMS), Tehran, Iran*
M. Ghorbani, Iran

18:15  *Discussion*

18:30  END OF SCIENTIFIC SESSIONS
16:30  EXPERT SESSION 20 – Hall 2

TOPIC: Spine III

Chairs: S. Robertson, USA, MR. Farrokhi, Iran

16:30  Monocentric experience with intraoperative ultrasonographic evaluation of the degree of surgical decompression in lumbar stenosis
YP. Enchev, Bulgaria

16:45  Videoendoscopy applied in lumbar disc herniations
R. Corvalan, Chile

17:00  Epiduroscopy, does it work?
A. Sahin, Turkey

17:15  Minimally invasive transforaminal lumbar interbody fusion - personal experience,
N. Velinov, Bulgaria

17:30  Frequency of vertebral endplate modic changes in patients with unstable lumbar spine and its effect on surgical outcome
MH. Mirbolouk, Iran

17:45  Plasma disc decompression compared to physiotherapy for symptomatic contained lumbar disc herniation: a prospective randomized controlled trial
M. Nikoobakht, Iran

18:00  Discussion

18:30  END OF SCIENTIFIC SESSIONS
16:30  EXPERT SESSION 21 – Hall 3

**TOPIC: Peripheral Nerve & Spine Trauma II**

Chairs: L. Rasulic, Serbia, MR. Emamhadi, Iran.

16:30  Peripheral nerve surgery today and tomorrow
A. Radek, Poland

16:45  Spinal cord and nerve root compressive syndromes: Etiology, Conceptional approach, Neurosurgical treatment
M. Spyrou, Cyprus

17:00  Delayed repair of the rat sciatic nerve with chitosan-film enhanced chitosan nerve guides
K. Haastert-Talini, Germany

17:15  Nerve transfers for reconstruction of hand in midcervical spinal cord injuries
M. Emem hadi, Iran

17:30  Ambulation could be the result of locomotor training in complete thoracolumbar (T10-L1) spinal cord injury
J. Arab kheradmand, Iran

17:45  Depression after spinal cord injury in Iran: its relationship to level of injury and gender,
Z. Khazaeipour, Iran

18:00  Discussion

18:30  END OF SCIENTIFIC SESSIONS
16:30 EXPERT SESSION 22 – Hall 4

**TOPIC: Global Neurosurgery**

Chairs: J. Steno, Slowakia, M. Sabouri, Iran.

16:30  *Neurosurgery in Chile and its incidence in Latin-American neurosurgery*
      P. Tagle, Chile

16:45  *A regional system for neurosurgery care: pro and contra*
      R. Ghadipour, Italy

17:00  *Personal lessons learned from Samii’s neurosurgical philosophy*
      E. Urculo-Barenco, Spain

17:15  *And...if Cushing returned to earth*
      CA. Vara Luiz, Portugal

17:30  *Social neurosurgery: brain growth accordance evolution*
      M. Molino Martinez, Mexico

17:45  *Is there a role for the transcranial approach?*
      M. Panigrahi, India

18:00  *Discussion*

18:30  END OF SCIENTIFIC SESSIONS
16:30 EXPERT SESSION 23 – Hall 5

**TOPIC: Pediatric neurosurgery II**

Chairs: S. Oi, Japan, F. Nejat, Iran

**16:30** Difficulties in management of myelomeningoceles
S. Bakhti, Algeria

**16:45** Myelomeningocele in Brazil, past and new technologies
N. Zanon, Brazil

**17:00** Cerebrospinal fluid velocity amplitudes within the aqueduct of Sylvius in pediatric healthy subjects and patients with Chiari I malformation
N. Delavari, USA

**17:15** Reduction cranioplasty with the aid of simulated computer imaging for the treatment of hydrocephalic macrocephaly
Z. Wang, China

**17:30** Neurosurgical management of children having cerebral palsy
A.K. Purohit, India

**17:45** Evaluating tethered cord syndrome in scoliosis, is more caution needed?
K. Karimi Yarandi, Iran

**18:00** Dysraphism in children
Z. Habibi, Iran

**18:15** Discussion

**18:30** END OF SCIENTIFIC SESSIONS
16:30 EXPERT SESSION 24 – Hall 6

**TOPIC: Posterior Fossa II**

Chairs: R. Ramina, Brazil, H. Eskandari, Iran

16:30  **Postoperative cochlear ossification after retrosigmoid approach in patients with vestibular schwannomas**  
AR. Hedjrat, Germany

16:45  **The surgical management of meningioma–vestibular schwannoma collision tumors of the cerebellopontine angle in patients with neurofibromatosis type 2**  
S. Adib, Germany

17:00  **Position-related complications of acoustic neuroma surgery via suboccipital retrosigmoid approach - sitting versus lateral: a systematic review**  
V. Rahim-Movaghar, Iran

17:15  **Management of hydrocephalus in vestibular schwannomas**  
VM. Gerganov, Germany

17:30  **Facial nerve saving in huge vestibular schwannomas: experience in 50 cases-video presentation**  
A. Saffari, Iran

17:45  **Modified far lateral approach in the treatment of lesions located at ventral aspect of Brainstem and foramen magnum areas – our experience from 17 cases**  
L. Ma, China

18:00  **Discussion**

18:30  **END OF SCIENTIFIC SESSIONS**
Wednesday, April 20th 2016

8:30 PLENARY SESSION 10

Chairs: L. Feng, China, M. Alimohammadi, Iran

8:30 Methodological options of advanced neurophathology
GF. Walter, Germany

8:45 Advanced neuroimaging - a precondition for highly precise and successful neurosurgery,
H. Lanfermann, Germany

9:00 Advances in the treatment of insular gliomas
N. Pamir, Turkey

9:15 New devices and development in intraoperative imaging by 3D ultrasound,
G. Unsgard, Norway

9:30 Application of intraoperative 3T-MRI
E. Kohmura, Japan

9:45 Supracerebellar-infratentorial approach
V. Benes, Czech Republic

10:00 TEA & COFFEE BREAK

10:30 PLENARY SESSION 11

Chairs: A. Basso, Argentina, A. Morshed, Iran

10:30 Microsurgical transsphenoidal pituitary surgery
Z. Sekerci, Turkey

10:45 Transsphenoidal endoscopy, from pituitary fossa to skull base
E. de Divitiiss, Italy

11:00 Intraoperative MRI for pituitary surgery
M. Buchfelder, Germany

11:15 Handling of large adenomas of the pituitary
M. Loyo-Varela, Mexico

11:30 Giant invasive pituitary adenoma
I. Sbeih, Jordan

11:45 The transplanum-transtuberculum approaches for sellar-suprasellar pituitary adenoma
G. Sharifi, Iran
12:00 PLENARY SESSION 12

Chairs: H. Azevedo- Filho, Brazil, H. Saleh, Iran

12:00  Hearing rehabilitation in acoustic neuroma
       T. Lenarz, Germany

12:15  Hearing rehabilitation in neurofibromatosis type 2
       R. Behr, Germany

12:30  Hearing rehabilitation
       V. Coletti, Italy

12:45  Hearing rehabilitation in children with malformations
       T. Roland, USA

13:00 LUNCH
14:00 EXPERT SESSION25 - Hall 1  
**TOPIC: Functional**

Chairs: JK. Krauss, Germany, M. Parvaresh, Iran

14:00  *Deep brain stimulation - Future trends*  
*M. Mehdorn, Germany*

14:15  *Nanotechniques for improving the brain-machine interface*  
*A. Russel, USA*

14:30  *Novel technologies for restoration of motor function*  
*A. Gharabaghi, Germany*

14:45  *DBS for neuropathic pain*  
*RM. Cardoso Vaz, Portugal*

15:00  *Can consciousness and emotional processing be influenced by deep stereotactic cerebellar stimulation?*  
*M. Galanda, Slovakia*

15:15  *Clinical study of stereotactic surgery for treating drug addiction*  
*G. Gao, China*

15:30  *Refractory seizures in children not candidates for brain surgical management treated with vagal nerve stimulation*  
*A. Nachanakian, Lebanon*

15:45  *Discussion*

16:00  *TEA & COFFEE BREAK*
14:00 EXPERT SESSION 26 - Hall 2

**TOPIC: Pain and Functional**

Chairs: M. Loyo Varela, Mexico, M. Fardji Rad, Iran

14:00  *MVD in functional cranial nerves disorders*
   G. Broggi, Italy

14:15  *Lessons learned after thirty year experience of neurosurgical treatment of trigeminal neuralgia*
   B. Abdennebi, Algeria

14:30  *Microvascular decompression for trigeminal neuralgia and hemifacial spasm. Surgical technique and result*
   AR. Daher, Venezuela

14:45  *Atypical trigeminal neuralgia; role of venous compression at the dorsal root entry zone*
   R. Babu, USA

15:00  *Multimodality treatment in trigeminal neuralgia*
   M. Gonzales Portillo, Peru

15:15  *Update on treatment of dystonia*
   S. Habibi, Iran

15:30  *Percutaneous posterior lumbar spinal fusion: an overview of indications and results*
   A. Naiem, Iran

15:45  *Discussion*

16:00  TEA & COFFEE BREAK
14:00  EXPERT SESSION 27 - Hall 3  
TOPIC: Glioma

Chairs: T. Mathiesen, Sweden, S. Shahzadi, Iran

14:00  The new WHO classification of gliomas in the context of molecular characteristics  
C. Hartmann, Germany

14:15  Challenges and opportunities with low grade gliomas  
JM. Rotta, Brazil

14:30  Interstitial therapy of intracranial gliomas  
A. Nabavi, Germany

14:45  Optimizing the extent of resection and minimizing the morbidity in insular high-grade  
glioma surgery by intraoperative MRI guidance  
C. Lifeng, China

15:00  Radioguided surgery using gamma detection probe technology for resection of cerebral  
glioma  
A. Zali, Iran

15:15  Personalized neuro-oncology: state of the art and future challenges  
G. Tabatabai, Germany

15:30  Discussion

16:00  TEA & COFFEE BREAK
14:00 EXPERT SESSION 28 - Hall 4

**TOPIC: Spine IV**

Chairs: M. Camins, USA, A. Birjandi, Iran

14:00  *Retrospective evaluation of artificial cervical disc implantations in 300 patients*
       S. Gitter, Germany

14:15  *Artificial cervical discs – clinical and biomechanical concerns*
       M. Khadivi, Iran

14:30  *Post fusion inclinometry of cervical spine at spinal cord injury*
       A. Sheikhrezaei, Iran

14:45  *Anterior transcorporeal cervical discectomy (ATCD) in cervical disc herniation*
       SH. Jang, South-Korea

15:00  *The C1-C2 distraction in the treatment of basilar invagination: an alternative treatment*
       T. Benbouzid, Algeria

15:15  *Management strategies in cervical OPLL*
       K. Sridhar, India

15:30  *Our experiences with anterior cervical discectomy*
       A. Caparoski, Macedonia

15:45  *Discussion*

16:00  TEA & COFFEE BREAK
14:00  EXPERT SESSION 29 - Hall 5  
**TOPIC: Visualization in Neurosurgery**

Chairs: P. Black, USA, A. Sheikhrezaii, Iran

14:00  DTI based identification of cranial nerves  
VM. Gerganov, Germany

14:15  Preoperative visualization of cranial nerves  
S. Yue, China

14:30  Multimodality resection of glioma; the role of iMR, functional mapping, DTI tractography and FIGS  
SAH. Javadi, Iran

14:45  Diagnosis of brain tumor with IR spectroscopy and unsupervised pattern recognition Methods  
S. Samani, Iran

15:00  Mapping the mouse spinal cord with CLARITY  
G. Sengul, Turkey

15:15  The role of neuroimaging research centers in promoting presurgical brain mapping standardization of fMRI and DTI procedures  
MA. Oghabian, Iran

15:30  Role of motor fMRI in reducing the postoperative morbidity in brain tumor  
E. Rahimian, Iran

15:45  Discussion

16:00  TEA & COFFEE BREAK
14:00 EXPERT SESSION 30 - Hall 6

**TOPIC: Epilepsy**

**Chairs:** E. Paglioli, Brazil, H. Moien, Iran

14:00  **Localizing epileptogenic networks to plan surgical strategies for drug resistant epilepsy**  
M. Tripathi, India

14:15  **Mesial temporal lobe epilepsy surgery**  
T. Sajko, Croatia

14:30  **Surgery for temporal lobe epilepsy**  
N. Hattab, Tunisia

14:45  **Surgical treatment of drug-resistant epilepsy**  
I. Trifonov, Russia

15:00  **Outcome of epilepsy surgery; report of 228 consecutive Iranian patients with intractable epilepsy**  
J. Mehvari, Iran

15:15  **Robotics in neurosurgical stereotactic interventions: oblique intrainsular electrodes implanted of patients with epilepsy**  
A. Afif, France

15:30  **Localization and microstructure evaluation of epilepsy with DT imaging and DTI based tractography**  
F. Naderi behdani, Iran

15:45  **Our experience in epilepsy surgery in Iran**  
SS. Hashemi Fesharaki, Iran

16:00  **TEA & COFFEE BREAK**
16:30 EXPERT SESSION 31 – Hall 1

**TOPIC: Intracranial Tumors**

**Chairs:** M. Molino Martinez, Honduras, M. Miri, Iran

16:30 Primary central nervous lymphoma (PCNSL)
- M. Blaha, Czech

16:45 A retrospective study on the surgical approaches, strategies and techniques of tuberculum sellae meningiomas in an 20-year, single-center study from China
- C. Zhang, China

17:00 Multiple meningiomas, how to deal
- MA. Marzullo, Brazil

17:15 Multiple Meningioma; case series and review of literature
- R Yousefzadeh-Chabok, Iran

17:30 Tumors of the lateral ventricles
- V. Paternó, Germany

17:45 Assessment of the effect of Genistein as a MMP inhibitor in proliferation/ apoptosis in cultured cells derived from meningioma, glioblastoma multiforme, medulloblastoma and low grade astrocytoma
- MR. Sharifirad, Iran

18:00 Is there any role for gamma knife radiosurgery in the primary treatment of intracranial ependymoma: review of 25 patients treated in Iran gamma knife center from 2003-2014
- M. Alikhani, Iran

18:15 Discussion

18:30 END OF SCIENTIFIC SESSIONS
16:30 EXPERT SESSION 32– Hall 2

**TOPIC: Sellar Region II**

Chairs: A. Delitala, Italy, M. Mehrazin, Iran

16:30 *Indications of primarily combined (trans-cranial & trans-sphenoidal) surgical approaches to pituitary adenomas*

E. Bahrami, Iran

16:45 *Sellar anatomic reconstruction with the pedicled muco-osteal flap of sellar floor after endoscopic pituitary adenoma resection: surgical technique and early results*

CY. Ma, China

17:00 *Optic pathway tractography in suprasellar lesions*

M. Hajiabadi, Iran

17:15 *Pituitary adenoma invading paranasal sinus*

M. Jalessi, Iran

17:30 *Transcavernous approach to pituitary tumors extended cavernous sinus, unusual approaches to hypophyseal adenomas*

G. Sharifi, Iran

17:45 *Pharmacologic treatment of panhypopituitarism*

N. Mohebbi, Iran

18:00 *Discussion*

18:30 END OF SCIENTIFIC SESSIONS
16:30 EXPERT SESSION 33 – Hall 3

**TOPIC:** Glioma II

**Chairs:** E. Kohamura, Japan, A. Ebrahimnejad, Iran

16:30  Low grade glioma - treatment dilemmas
       M. Jokovic, Serbia

16:45  Technologies for tumor maximum safe resection in glioblastoma patients: postoperative assessment and outcome
       A. Kryvoshapkin, Russia

17:00  Awake craniotomy and functional brain mapping for resection insular gliomas of dominant hemisphere
       M. Alimohamadi, Iran

17:15  Advances and technology for high grade gliomas
       J. Valerio, Mexico

17:30  Operating on tumors in eloquent areas of the brain with low budget
       M. Kotb, Egypt

17:45  Subventricular zone infiltration in relation to IDH1/2 mutation and MGMT promoter methylation in malignant glioma
       Y. Ahmadipour, Iran

18:00  Multiple brain tumors: surgical treatment and further tactics
       B. Mustafayev

18:15  Discussion

18:30  END OF SCIENTIFIC SESSIONS
16:30 EXPERT SESSION 34 – Hall 4

**TOPIC: Vascular III**

**Chairs:** L. Regli, Switzerland, E. Alibai, Iran

16:30  *Brainstem/deep cavernomas: an evidence based management algorithm*

*U. Patel, Great Britain*

16:45  *Outcome of microsurgical excision of unruptured brain arteriovenous malformations in ARUBA-eligible patients*

*M. Javadpour, Ireland*

17:00  *Extracranial-intracranial revascularization for occlusive cerebrovascular disease*

*Y. Wang, China*

17:15  *Surgical and interventional treatment of extracranial carotid artery aneurysm: a 6-case review*

*M. Qi, China*

17:30  *Management of intracranial serpentine aneurysms: a prospective cohort study*

*Y. Liu, China*

17:45  *Current State of stroke surgery in a developing country*

*M. Nouri, Iran*

18:00  *Endovascular management of intracranial aneurysms: 15 years experience in Iran*

*H. Ghanaati, Iran*

18:15  *The results of 12 years of experience in 820 patients suffering from arteriovenous malformations (A.V.M.) at Iran Gamma Knife Center*

*MA. Bitaraf, Iran*

18:30  **END OF SCIENTIFIC SESSIONS**
16:30  EXPERT SESSION 35 – Hall 5

**TOPIC:** Skull base & Vascular

**Chairs:** M. Ammirati, USA, A. Kamkarpour, Iran

16:30  *Surgical nuances of vestibular schwannomas: personal experience*
M. Shirvani, Iran

16:45  *Outcome results of endonasal endoscopic repair of CSF leak from frontal sinus*
SM. Sadrehosseini, Iran

17:00  *Optical coherence tomography navigated surgery for skull base approaches*
S. Mohebbi, Iran

17:15  *Study of cerebellopontine angle zone meningeal layers and preservation of hearing and facial nerve function related to vestibular schwannoma via retrosigmoid approach in series of 63 patients*
Z. Weilin, China

17:30  *EC-IC bypass in moyamoya disease*
A. Rahmanian, Iran

17:45  *Unilateral approach to bilateral middle cerebral artery aneurysms*
SM. Ramak Hashemi, Iran

18:00  *Intracranial blood blister-like pseudo-aneurysms: surgical experience*
L. Ma, China

18:15  *Discussion*

18:30  END OF SCIENTIFIC SESSIONS
16:30 EXPERT SESSION 36 – Hall 6
   TOPIC: Pain-Neurorehabilitation

Chairs: V. Rohde, Germany, MR. Hadian, Iran

16:30 Proteomics analysis of neuropathic pain
   SZ. Bathaie, Iran

16:45 Quantitative electroencephalography and rehabilitative ultrasonography imaging findings after dry needling in post stroke spasticity
   MR. Hadian, Iran

17:00 Spinal cord stimulation in chronic pain conditions: current status and future directions
   B. Babakhani, Iran

17:15 Implementation of intrathecal pumps in pain practice
   A. Emami Meybodi, Iran

17:30 Does denervation of the multifidus muscle by medial branch neurotomy for facet joint pain affect spine function?
   F. Fattahi, Iran

17:45 Kyphoplasty and relevant aspects in pain practice
   H. Majedi, Iran

18:00 The diagnostic accuracy of gluteal trigger points to differentiate radicular from non-radicular low back pain
   F. Adelmanesh, Iran

18:15 Role of acupuncture in spinal cord diseases
   M. Heydarnia, Iran

18:30 END OF SCIENTIFIC SESSION
Thursday, April 21\textsuperscript{st} 2016

8:30 PLENARY SESSION 13

Chairs: M. Sindou, France, G. Sharifi, Iran

8:30 Presurgical evaluation with source localization for Epilepsy Surgery  
H. Stefan, Germany

8:45 Update regarding epilepsy surgery  
C. Raftopoulos, Belgium

9:00 Epilepsy surgery: selective posterior callosotomy for drop attacks  
E. Paglioli, Brazil

9:15 Endoscopic corpus callostomy and hemispherotomy for epilepsy  
S. Chandra, India

9:30 The paramedian supra cerebellar-transventorial selective amygda-lohippocampectomy  
U. Türe, Turkey

9:45 Discontinuation of antiepileptic drugs after successful resective surgery  
M. Motamedi, Iran

10:00 TEA & COFFEE BREAK

10:30 PLENARY SESSION 14

Chairs: E. deDivitiis, Italy, S. Panahi, Iran

10:30 Tuberculum sellae meningiomas  
IS. Florian, Romania

10:45 The supraorbital keyhole approach for the management of meningiomas of the anterior cranial fossa  
P. Selviaridis, Greece

11:00 Transcranial microsurgery of suprasellar meningiomas  
J. Steno, Slovakia

11:15 Long-term management of meningiomas  
T. Mathiesen, Sweden

11:30 Errors and complications in neurosurgery  
G. Dechambenoit, Ivory Coast

11:45 Cervical myelopathy: surgical aspects in the elderly  
A. Sidi Said, Algeria
12:00 PLENARY SESSION 15

Chairs: A. Sidi Said, Algeria, E. Bahrami, Iran

12:00  Medulloblastoma in children - 25 years of experience. Outcome & quality of life
AV. Ciurea, Romania

12:15  Brainstem cavernous angioma
E. Wahjoepramono, Indonesia

12:30  Fractionated gamma knife radiosurgery for lesions involving eloquent areas of the brain
F. Kazemi, Iran

12:45  Focused ultrasound for neurosurgery, technique and indications
A. Nabavi, Germany

13:00 LUNCH

14:00 PLENARY SESSION16-Hall 1

Chairs: T. Ozgen, Turkey, F. Kazemi, Iran

14:00  Comparison of modern radiation techniques
PE. Kneschaurek, Germany

14:15  High precision radiation treatment in brain tumors
M. Molls, Germany

14:30  Supplemental or primary gamma knife radiosurgery in skull base tumors? Quality of life
R. del Valle Ramiro, Mexico

14:45  Radiosurgery for brain metastasis: state of the art
A. El Khamlichi, Morocco

15:00 Tea & Coffee Break
14:00 PLENARY SESSION 17– Hall 2

Chairs: A. Sidi Said, Algeria, Sh. Akhondzadeh, Iran

14:00  Role of homeostasis of chloride in epilepsy
       M. Hadjighassem, Iran

14:15  Aquaporin-4 in the brain
       MH. Harirchian, Iran

14:30  Role of glutamate antagonist in Schizophrenia treatment: clinical studies
       S. Akhondzadeh, Iran

14:45  The golden age of Islam with special emphasis on the contributions of medieval Islamic physicians to the history of tracheotomy
       Z. Hussain Khan, Iran

15:00  Tea & Coffee Break

15:30  PLENARY VIDEO SESSION

Chairs: AV. Ciurea, Romania, M.Khadivi, Iran

15:45  TBA

16:00  TBA

16:15  TBA

16:30  TBA

16:45  TBA

17:00  TBA

17:15  TBA

17:30  TBA

17:45  TBA

18:00  END OF SCIENTIFIC SESSION
Friday, April 22\textsuperscript{nd} 2016

8:30  PLENARY SESSION 18

Chairs: R. Fahlbusch, Germany, M. Azar, Iran

8:30  Management of advanced intracranial intradural juvenile nasopharyngeal angiofibroma: combined single-stage rhinosurgical and neurosurgical approach  
H. Saberi, Iran

8:45  Networking in the human brain  
B. Mohammadi, Germany

9:00  Neurosurgery under local anesthesia  
P. Black, USA

9:15  Anterior ethmoidal artery based septal flap in skull base reconstruction, an innovative technique.  
SH. Samimi Ardestani

9:30  Tips and tricks in glomus surgery  
M. Motesadi, Iran

9:45  Reconstruction of skull base defects, our 20 year experience  
M. Farhadi, Iran

10:00  TEA & COFFEE BREAK
10:30 PLENARY SESSION 19

Chairs: A. Samii Germany, S. M. Ghodsi Iran

10:30 Special lecture

Microalgae - an example for translational research
N. Moazami, Iran

11:00 Quality control in neurosurgery
T. Özgen, Turkey

11:15 The role of humanitarian neurosurgery in developing modern neurosurgery in Sub-Sahara Africa
M. Qureshi, Kenya

11:30 The role of the WFNS in global neurosurgery
YK. Tu, Taiwan

11:45 Conclusion and closing remarks
M. Samii, Germany & Iran

12:00 CLOSING CEREMONY

13:00 SPECIAL IRANIAN FAREWELL LUNCH