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 **WFNS Education course, Novosibirsk, November 14-16, 2017**

***International Faculty***

**Yuhai Bao, China Maurice Choux , France**

**Concezio Di Rocco, Germany Yavor Enchev, Bulgaria**

**Ling Feng, China Yoko Kato, Japan**

**Satoshi Kuroda , Japan Patrick Martens, France**

**Kentaro Mori, Japan Christian Raftopoulos, Belgium**

**Rokuya Tanikawa, Japan Yong-Kwang Tu, Taiwan**

**Keki E Turel, India Tai Ton Wong , Taiwan**

***Local Faculty***

**Yury A.Shulev, St.-Petersburg, Russia Natalia A.Polunina, Moscow**

 **Yury Kushel, Moscow Aleksandr Kim, St.-Petersburg**

**ORGANIZER: World Federation of Neurosurgical Societies (WFNS)**

**CO-ORGANIZERS:**

* **Federal Neurosurgical Center (Novosibirsk);**
* **SIBNEURO (Siberian Association of Neurosurgeons, Novosibirsk);**
* **Novosibirsk State University;**
* **Association of Russian Neurosurgeons.**

***Local Organizers***

**Jamil A Rzaev Vladimir Klimov**

**German Letyagin Sergey Chernov**

**Andrey Dubovoy Aleksandr Dmitriev**

**Ksenia Pavlova Micael Rzaev**

**Irina Geyne Yuri Kharatashvili**

**Inna Pashnina**

**DAY ONE (14 November 2017)**

08.30- 09.00 Welcome, Presentation of the course

**Session I**

 **09.30 -10.30**

**Chairmen: A.Dubovoy, Rokuya Tanikawa**

09.30-09.50 Strategies in the mangements of intracranial artero-venous

 malformations *Y-H Tu, Taiwan*

09.50-10.10 Surgical Strategies & Technique for Brain Aneurysm *Y Kato, Japan*

10.10-10.30 Less invasive transcisternal approach for aneurysm *R Tanikawa, Japan*

**10.30-10.50 *Coffee Break***

**Session II**

 **11.00-13.00**

**Chairmen: Yoko Kato, Yong-Kwang Tu**

10.50-11.10 Vascular reconstructions for complex aneurysm *R Tanikawa, Japan*

11.10-11.30 High extracranial-intracranial bypass surgery *Y-H Tu, Taiwan*

11.40-12.00 Strategy and tactics of bypass surgery for moyamoya disease *S.Kuroda, Japan*

12.00-12.20 Repeat bypass surgery for moyamoya disease refractory to

 previous surgery *S.Kuroda, Japan*

12.20-12.40 Carotid endarterectomy *K Turel, India*

12.40-13.00 Discussion

**13.00-14.00 *Lunch***

**Session III FUNCTIONAL**

**14.00-15.20**

**Chairmen: Jamil Rzaev, Yavor Enchev**

14.00-14.20 Management of chronic pain *P Mertens, France*

14.20-14.40 Microvascular decompression for trigeminal neuralgy

 and facial spams *Y Bao, China*

 14.40-15.00 Facial pain surgery *J.Rzaev, Russia*

15.00-15.20 Harmful spasticity *P Mertens, France*

**Session IV HYDROCEPHALUS SYMPOSIUM**

 **Sponsored by Storz**

**15.30-19.00**

 Changing in the surgical approach 10’ C *Di Rocco*

 How to perform a V-P shunt 20’ *M* *Choux*

 How to perform ETV 20’ *C Di Rocco*

**16.30-16.50 Coffee break**

 Hands on 90`

**DAY II** (15 November 2017)

**Session V SPINE**

**08.30-10.10**

 **Chairmen: Keki Turel, Patrick Mertens**

O8.30-08.50 Management of lumbar canal stenosis K Turel, India

08.50-09.10 Minimal invasive lumbar surgery with neuronavigation

 based on intraoperative robotic 3D fluoroscopy C Raftopoulos, Belgium

09.10-09.30 Intraoperative ultrasonography in decompressive lumbar surgery Y.Enchev, Bulgaria

09.30-09.50 Anterior cervical foraminotomy (ACF) as a method of choice

 for cervical radiculopathy treatment Y.Shulev, Russia

 09.50-10.10 Intramedullary spinal cord tumors Y.Kuszel, Russia

**10-10-10.30 Coffee break**

**Session VI VASCULAR II**

**10.30-12.30**

**Chairmen: Yuri Shulev, Christian Raftopoulos**

10.30-10.50 Risk assessment of intracranial aneurysms rupture *N.Polunina, Russia*

10.50-11.10 Key-hole strategyfor cerebral aneurysms *K Mori, Japan*

11.10-11.30 Microsurgical treatment of complex cerebral aneurysms *N.Polunina, Russia*

11.30-11.50 Surgical management of middle cerebral aneurysms

 in a multidisciplinary group *C Raftopoulos, Belgium*

11.50-12.10 Spinal AVM classification *F Ling, China*

12.10-12.30 Combined treatment of spinal cord AVM *F Ling, China*

**Session VII TUMORS I**

**12.30-13.30**

**Chairmen: Maurice Choux, Aleksandr Kim**

12.10-12.30 Surgical approaches of deep seated tumors with demonstration

 of surgical anatomy *Y Bao, China*

12.30-12.50 Impact of intraoperative MRI on glioblastoma

 surgery and survival  *C Raftopoulos, Belgium*

12.50-13.10 Management of pediatric craniopharyngiomas *C. Di Rocco, Germany*

13.10-13.30 Management of germ cell tumors *TT Wong, Taiwa*

**13.30-14.30 Lunch**

**SOCIAL**

**DAY THREE** (16 November 2017)

**Session VIII TUMORS II**

**08.30-10.30**

**Chairmen: C.Di Rocco, A.Konovalov (?)**

08.30-08.50 Application of key-hole surgery concept to pediatric

 neurosurgery *Y.Kuszel, Russia*

08.50-09.10 Management of pediatric craniopharyngiomas *C. Di Rocco, Germany*

09.10-09.30 Management of skull base tumors *K.Mori, Japan*

09.30-09.50 Surgical approach to pineal tumors *J.Rzaev, Russia*

09.50-10.10 Advances in management of medulloblastomas  *M.Choux*, *France*

10.10-10.30 …………. *A. Konalov, Russia*

**10.30-10.50 Coffee break**

**Session IX TUMORS III**

**10.50-13.00**

**Chairmen: Tai Ton Wong, Kentaro Mori**

10.50-11.20 …….. *A Konovalov, Russia*

11.20-11.40 Brain stem tumors *M. Choux, France*

11.40-12.00 Sphenoid wing meningioma *K.Turel, India*

12.00-12.20 Anatomy of the Limbic system; large vestibular schwannomas:

 how to manage in 2017 *Ch Raftopoulos , Belgium*

12.20-12.40 1

12.40-13.00 Management of children with recurrence of cerebral

 neuroepithelial tumors  *A.Kim, Russia*

**13.00-14.00 Lunch**

**Session X TRAUMA/PEDIATRICS**

**14.00-16.00**

**Chairmen: Yuhai Bao, Y.Kuszel**

14.00-14.20 Damaging factors and mechanisms of blast-related

 craniocerebral injuries  *Y.Shulev, Russia*

14.20.14.40 Surgical management of epilepsy in children *TT Wong, Taiwan*

14.40-15.00 The role of the neurosurgeon in phacomatosis *C.Di Rocco, Germany*

15.00-15.20 Chiari type I and II *A.Kim, Russia*

15.20-15.40

15.40-16.00 Safety precautions in neurosurgery Y.Enchev, Bulgaria

**16.00-16.30 Farewell**