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

***International Faculties:***

**Yuhai Bao, China**

**Maurice Choux, France**

**Concezio Di Rocco, Germany**

**Yavor Enchev, Bulgaria**

**Ling Feng, China**

**Alexandr N. Konovalov, Moscow**

**Satoshi Kuroda, Japan**

**Patrick Mertens, France**

**Kentaro Mori, Japan**

**Christian Raftopoulos, Belgium**

**Lukas Rasulic, Serbia**

**Ririko Takeda, Japan**

**Rokuya Tanikawa, Japan**

**Yong-Kwang Tu, Taiwan**

**Keki E. Turel, India**

**Tai-Tong Wong, Taiwan**

***Local Faculties:***

**Andrey V. Dubovoy, Novosibirsk**

**Alexandr V. Kim, St.-Petersburg**

**Yury V. Kushel, Moscow**

**Natalia A. Polunina, Moscow**

**Yury A. Shulev, St.-Petersburg**

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

**CO-ORGANIZERS:**

* **Federal Neurosurgical Center (Novosibirsk);**
* **Siberian Association of Neurosurgeons “SibNeuro”;**
* **Association of Russian Neurosurgeons;**
* **Novosibirsk State University.**

***Local Organizers:***

**Sergey V. Chernov**

**Alexandr B. Dmitriev**

**Andrey V. Dubovoy**

**Irina A. Geyne Yuri V. Kharatashvili**

**Vladimir S. Klimov**

**German V. Letyagin**

**Ksenia N. Pavlova Inna A. Pashnina**

**Jamil A. Rzaev Mikael A. Rzaev**

**DAY I (14 November 2017)**

08.30- 09.00 Welcome, Presentation of the course

**Session I VASCULAR I**

 **09.10 -10.50**

**Chairmen: Alexandr Konovalov, Rokuya Tanikawa**

09.10-09.30 Strategies in the managements of intracranial arteriovenous malformations *Y-K. Tu, Taiwan*

09.30-09.50 Less invasive transcisternal approach for aneurysm *R. Tanikawa, Japan*

09.50-10.10 Results of neck clipping and intraneurysm thrombectomy for partially thrombosed giant aneurysm compressing brain stem *R. Takeda, Japan*

10.10-10.30 Revascularization in the treatment of the complex cerebral aneurysms *A.Dubovoy, Russia*

10.30-10.50 Discussion

**10.50-11.10 *Coffee Break***

**Session II FUNCTIONAL**

**11.10-13.30**

**Chairmen: Lukas Rasulic, Jamil Rzaev**

11.10-11.30 Management of chronic pain *P. Mertens, France*

11.30-11.50 Microvascular decompression for trigeminal neuralgia and facial spams *Y. Bao, China*

11.50-12.10 Brachial plexus surgery *L. Rasulic, Serbia*

12.10-12.30 Harmful spasticity *P. Mertens, France*

12.30-12.50 Entrapment syndromes - surgical treatment and outcome *L.Rasulic, Serbia*

12.50. - 13.10 Surgical management of epilepsy in children *T-T. Wong, Taiwan*

13.10-13.30 Discussion

**13.30-14.00 *Lunch 1st group - 75 persons***

**14.00-14.30 *Lunch 2nd group – 75 persons***

**Session III TUMORS I**

**14.30-15.50**

**Chairmen: Maurice Choux, Yuri Kushel**

14.30-14.50 Surgical management of giant craniopharyngiomas *A. Konovalov, Russia*

14.50-15.10 Impact of intraoperative MRI on glioblastoma: surgery and survival *C.Raftopoulos, Belgium*

15.10-15.30 Management of pediatric craniopharyngiomas *C. Di Rocco, Germany*

15.30-15.50 Discussion

15.50-16.10 Coffee Break

**Session IV SPINE and MISCELLANEOUS I**

**16.10-17.30**

 **Chairmen: Patrick Mertens, Vladimir Klimov**

16.10-16.30 Management of brain stem cavernomas *A. Konovalov, Russia*

16.30-16.50 Minimal invasive lumbar surgery with neuro navigation based on intraoperative robotic

3D fluoroscopy *C. Raftopoulos, Belgium*

16.50-17.10 Intraoperative ultrasonography in decompressive lumbar surgery *Y.Enchev, Bulgaria*

17.10-17.30 Discussion

**PARALLEL HYDROCEPHALUS SYMPOSIUM**

 **Sponsored by Storz and Surgiwear**

**16.30-18.45**

 Changing in the surgical approach 20’ *C.* *Di Rocco*

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

 How to perform ETV 20’ *C. Di Rocco*

Hands on 75’

**19.30 GALA DINNER *In the Restaurant of the “Gorskiy City Hotel” ( 5-minutes’ walk from the Venue)***

**DAY II (15 November 2017)**

**Session V**

**SPINE and MISCELLANEOUS II**

**08.00-09.40**

 **Chairmen: Keki Turel, Yavor Enchev**

O8.00-08.20 Management of lumbar canal stenosis *K.E. Turel, India*

O8.20-08.40 Spinal AVM classification *F. Ling, China*

08.40-09.00 Anterior cervical foraminotomy (ACF) as a method of choice for cervical radiculopathy

treatment *Y.Shulev, Russia*

 09.00-09.20 Safety precautions in neurosurgery *Y.Enchev, Bulgaria*

09.20-09.40 Discussion

**09.40-10.00 Coffee break**

**10.00-12.30**

**Session VI VASCULAR II**

**Chairmen: Yong-Kwang Tu, Natalia Polunina**

10.00-10.20 Risk assessment of intracranial aneurysms rupture *N.Polunina, Russia*

10.20-10.40 Key-hole strategy for cerebral aneurysms *K. Mori, Japan*

10.40-11.00 Microsurgical treatment of complex cerebral aneurysms *N.Polunina, Russia*

11.00-11.20 Surgical management of middle cerebral aneurysms in a multidisciplinary group *C. Raftopoulos, Belgium*

11.20-11.40 Carotid endarterectomy *K.E. Turel, India*

11.40-12.00 Combined treatment of spinal cord AVM *F. Ling, China*

12.00-12.30 Discussion

**12.30-12.50 Coffee break**

**Session VII TUMORS II**

**12.50-14.30**

**Chairmen: Kentaro Mori, Alexandr Kim**

12.50-13.10 Sphenoid wing meningioma *K.E.Turel, India*

13.10-13.30 Management of skull base tumors *K.Mori, Japan*

13.30-13.50 Large vestibular schwannomas: how to manage in 2017 *C.Raftopoulos, Belgium*

13.50-14.10 Management of germ cell tumors *T-T. Wong, Taiwan*

14.10-14.30 Discussion

**14.30-15.00 *Lunch 1st group - 75 persons***

**15.00-15.30 *Lunch 2nd group – 75 persons***

**15.40 SOCIAL – City Tour, Museum**

**DAY III** (16 November 2017)

**Session VIII VASCULAR III**

 **08.00-10.00**

**Chairmen: Ling Feng, Andrey Dubovoy**

08.00-08.20 Vascular reconstructions for complex aneurysm *R .Tanikawa, Japan*

08.20-08.40 High extracranial-intracranial bypass surgery *Y-K. Tu, Taiwan*

08.40-09.00 Strategy and tactics of bypass surgery for moyamoya disease *S.Kuroda, Japan*

09.00-09.20 Repeat bypass surgery for moyamoya disease refractory to previous surgery *S.Kuroda, Japan*

09.20-09.40 Tips, biases and pitfalls in distal trans-sylvian key-hole approach for MCA aneurysms *R. Takeda, Japan*

09.40-10.00 Discussion

**10.00-10.20 Coffee break**

**Session IX TUMORS III**

**10.20-12.00**

**Chairmen: C.Di Rocco, Sergey Chernov**

10.20-10.40 Intramedullary spinal cord tumors *Y.Kushel, Russia*

10.40-11.00 Advances in management of medulloblastomas  *M.Choux*, *France*

11.00-11.20 Surgical approaches of deep seated tumors with demonstration of surgical anatomy *Y.Bao, China*

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

11.40-12.00 Discussion

**12.00-12.30 *Lunch 1st group - 75 persons***

**12.30-13.00 *Lunch 2nd group – 75 persons***

**Session X TRAUMA/PEDIATRICS**

**13.00-15.00**

**Chairmen: Yuhai Bao, Christian Raftopoulos**

13.00-13.20 Chiarimalformation type I and II *A.Kim, Russia*

13.20-13.40 Application of key-hole surgery concept to pediatric neurosurgery *Y.Kushel, Russia*

13.40-14.00 Management of children with recurrence of cerebral glial tumors  *A.Kim, Russia*

14.00-14.20 The role of the neurosurgeon in phacomatosis *C.Di Rocco, Germany*

14.20-14.40 Damaging factors and mechanisms of blast-related craniocerebral injuries *Y.Shulev, Russia*

14.40-15.00 Discussion

**15.00-15.30 Closing remarks and Farewell**