



The IX International Course on Pediatric Neurosurgery

“NEUROONCOLOGY with Endoscopy hands-on”

Joint Courses of RSPN/IFNE

December 11 – 13, 2024, Moscow, Russia

ORGANIZERS:

- Ministry of Health of the Russian Federation
- Burdenko National Medical Research Center for Neurosurgery
- Dmitry Rogachev National Medical Research Center for Pediatric Hematology, Oncology and Immunology
- International Federation of Neuroendoscopy
- The Russian Medical Academy of Continuing Professional Education
- Russian Society for Pediatric Neurosurgery

INVITED SPEAKERS:

- **Alvaro Cordoba** (President IFNE, Uruguay)
- **Nelci Zanon** (Brasil)
- **Memet Ozek** (Turkey)
- **Rosanda Ilic** (Serbia)

On-line

- **Edisher Magalashvili** (Georgia)
- **Mohamed El Beltagy** (Egypt)
- **Federico Di Rocco** (France)

Venue:

December 11: Dmitry Rogachev National Medical Research Center for Pediatric Hematology, Oncology and Immunology (Moscow, Samora Mashela str., 1)

December 10, December 12 and December 13: Burdenko National Medical Research Center for Neurosurgery (Moscow, 4-Tverskaya-Yamskaya, 16)



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COURSE PROGRAM:

December 10 (Tuesday)	
09.00 – 18.00	Hands-on course
December 11 (Wednesday)	
09.00 – 09.20	Opening ceremony
09.20 – 11.00	Lectures «Modern technologies in the diagnosis and treatment of CNS tumors. The oncologist's view»
11.30 – 13.00	Lectures «Modern technologies in the diagnosis and treatment of CNS tumors. The view of a neurosurgeon»
14.00 – 15.45	Lectures «Posterior fossa tumors»
16.15 – 18.30	Lectures «Supratentorial tumors and pineal tumors»
18.30	Welcome reception
December 12 (Tuesday)	
09.00 – 11.00	Lectures «Modern technologies in the surgical treatment of brain tumors»
11.30 – 13.00	Lectures "Tumors of the chiasmatal-sellar region"
14.00 – 16.30	Session of the Scientific Council of the Russian Academy of Sciences «Neurosurgical aspects of the treatment of tumors of the central nervous system»
December 13 (Friday)	
09.00 – 10.30	Lectures «Brain stem and spinal tumors»
11.00 – 12.30	Case presentations
13.00 – 15.00	Video-session «Neuroendoscopy in the treatment of brain tumors»
15.00 – 16.00	Meeting of the Specialized Commission on Pediatric Neurosurgery of the Ministry of Health of the Russian Federation
16.00 – 17.00	Meeting of the Presidium of the Russian Society for Pediatric Neurosurgery
17.00 – 18.00	Meeting of the Presidium of the Eurasian Association of Pediatric Neurosurgeons (ESDN)



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December 10 (Tuesday) – Hands-On
Burdenko National Medical Research Center for Neurosurgery
Educational center
 (Moscow, 4-Tverskaya-Yamskaya, 16)

Hands-on course

08.30 – 09.00	<i>Registration</i>
09.00 – 09.05	Introduction <i>Sergey Gorelyshev (Moscow)</i>
09.05 – 09.15	About IFNE <i>Alvaro Cordoba (Uruguay)</i>
09.15 – 09.30	ETV: indications, how I do it, how to avoid complications <i>Rosanda Ilic (Serbia)</i>
09.30 – 09.45	Septostomy: indications, how I do it, how to avoid complications <i>Memet Ozek (Turkey)</i>
09.45 – 10.00	Endoscopic biopsy: indications, how I do it, how to avoid complications <i>Nelci Zanon (Brasil)</i>
10.00 – 10.15	Aqueduct stenting: indications, how I do it, complications <i>Yurii Kushel (Moscow)</i>
10.15 – 10.30	Neuroendoscopic Storz Equipment <i>Julia Feigina (Moscow)</i>
10.30 – 11.00	<i>Coffee break</i>
11.00 – 13.00	Hands-on course on neuroendoscopy Anatomical models <i>6 working places:</i> Alvaro Cordoba, Nelci Zanon, Shavkat Kadirov, Memet Ozek, Rosanda Ilic, Sergey Gorelyshev
13.00 – 14.00	<i>Lunch</i>
14.00 – 16.00	<i>Video: introduction to rat anatomy and hands-on tasks</i> <i>Sergey Gorelyshev (Moscow)</i> Hands-on course on neuroendoscopy Animal models <i>6 working places:</i> Alvaro Cordoba, Nelci Zanon, Shavkat Kadirov, Memet Ozek, Rosanda Ilic, Sergey Gorelyshev
16.00 – 16.30	<i>coffee break</i>



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16.30 – 18.00	<p align="center">Hands-on course on neuroendoscopy Animal models</p> <p><i>6 working places:</i> Alvaro Cordoba, Nelci Zanon, Shavkat Kadirov, Memet Ozek, Rosanda Ilic, Sergey Gorelyshev</p>
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December 11 (Wednesday)

Dmitry Rogachev National Medical Research Center for Pediatric Hematology, Oncology and Immunology

(Moscow, Samora Mashela str., 1)

09.00 – 09.20 Opening ceremony	
<i>Greetings: Elena Seshko, Sergey Gorelyshev, Nikolay Grachev, Alvaro Cordoba, Dmitry Sychev</i>	
09.20 – 11.00 Modern technologies in the diagnosis and treatment of CNS tumors. The oncologist's view	
<i>Moderators: Sergey Gorelyshev, Nikolay Grachev, Lyudmila Papusha</i>	
09.20 – 09.40	Modern classification of CNS tumors in children. <i>Marina Ryzhova (Moscow)</i>
09.40 – 10.00	Why do we need molecular genetic research? <i>Alexander Druy (Moscow)</i>
10.00 – 10.15	How informative are the liquid biopsies? <i>Alexander Druy (Moscow)</i>
10.15 – 10.30	Targeted therapy in the treatment of CNS tumors in children. <i>Lyudmila Papusha (Moscow)</i>
10.30 – 10.45	Immunotherapy Potential in Complex Treatment of Brain Tumors. <i>Vitaly Degtiarev (Moscow)</i>
10.45 – 11.00	<i>Discussion</i>
11.00 – 11.30	Coffee break
11.30 – 13.00 Modern technologies in the diagnosis and treatment of CNS tumors. The view of a neurosurgeon	
<i>Moderators: Alvaro Cordoba, Alexander Kim</i>	
11.30 – 11.45	Confocal neuroendoscopy in brain. <i>Alvaro Cordoba (Uruguay)</i>
11.45 – 12.00	Role of Endoscopy in Infantile and Pediatric brain tumors. <i>Mohamed El Beltagy (Egypt) - on-line</i>
12.00 – 12.15	The use of MR tractography and neurophysiological monitoring in the removal of tumors in the functional areas. <i>Shavkat Kadyrov (Moscow)</i>



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12.15 – 12.30	Results of surgical treatment of epilepsy in children with neuroglial tumors of the temporal lobe. <i>Armen Melikian (Moscow)</i>
12.30 – 12.45	Fluorescence-Guided Surgery of brain tumors in children. <i>Alexander Kim (Saint-Petersburg)</i>
12.45 – 13.00	<i>Discussion</i>
13.00 – 14.00	Lunch
14.00 – 15.45 Posterior fossa tumors	
<i>Moderators: Nelci Zanon, Andrey Levashov</i>	
14.00 – 14.15	Surgical approaches to posterior fossa tumors. <i>Sergey Gorelyshev (Moscow)</i>
14.15 – 14.30	Modern classification and methods of combined treatment of PF tumors. <i>Andrey Levashov (Moscow)</i>
14.30 – 14.45	Surgery for ependymomas of the posterior cranial fossa in children. <i>Yurii Kushel (Moscow)</i>
14.45 – 15.00	Long-term consequences of medulloblastoma treatment in children. <i>Olga Medvedeva (Moscow)</i>
15.00 – 15.15	ETV and and ventriculoperitoneostomy for posterior fossa tumors. <i>Federico Di Rocco (France) - on-line</i>
15.15 – 15.45	Round table on posterior fossa tumors <i>Moderator: Sergey Gorelyshev</i> <i>Panelists: Nelci Zanon, Andrey Levashov, Yurii Kushel, Rosanda Ilic, Memet Ozek, Alvaro Cordoba, Federico Di Rocco (on-line)</i>
15.45 – 16.15	Break
16.15 – 18.30 Supratentorial tumors and pineal tumors	
<i>Moderators: Rosanda Ilic, Gregory Kobayakov</i>	
16.15 – 17.00	Modern achievements in the combined treatment of cerebral gliomas in children. <i>Andrey Levashov (Moscow)</i>
17.00 – 17.15	Safety Strategy in Surgery for Children with Brain Metastases <i>Alexey Dubskikh (Moscow)</i>
17.15 – 17.30	Surgery for SEGA tumors in children. <i>Rosanda Ilic (Serbia)</i>
17.30 – 17.45	Surgical approach to thalamic tumors. <i>Memet Ozek (Turkey)</i>
17.45 – 18.00	Surgical treatment of pediatric tumors of pineal region. <i>Rosanda Ilic (Serbia)</i>
18.00 – 18.15	Combined treatment of germ cell and pineal tumors. <i>Gregory Kobayakov (Moscow)</i>
18.15 – 18.30	<i>Discussion</i>



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18.30	Welcome reception
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December 12 (Tuesday)

**Burdenko National Medical Research Center for Neurosurgery
Congress Hall**

(Moscow, 4-Tverskaya-Yamskaya, 16)

09.00 – 09.15	Greetings: <i>Evgeniya Kotova, Dmitry Usachev, Alexander Konovalov</i>
09.15 – 11.00 Modern technologies in the surgical treatment of brain tumors	
<i>Moderators: Igor Pronin, Armen Melikian</i>	
09.15 – 09.30	MRI in the diagnosis of CNS tumors in children. <i>Igor Pronin (Moscow)</i>
09.35 – 09.50	Key-hole brain surgery. <i>David Pitzchelaury (Moscow)</i>
09.55 – 10.10	Intraoperative MRI for the removal of CNS tumors. <i>Igor Pronin (Moscow)</i>
10.15 – 10.30	Endoscopic assistance in the removal of brain tumors. <i>Sergey Gorelyshev (Moscow)</i>
10.30 – 10.45	Modern simulation technologies in neurosurgery training. <i>Nelci Zanon (Brasil)</i>
10.45 - 11.00	<i>Discussion</i>
11.00 – 11.30	Coffee break
11.30 – 13.00 Tumors of the chiasmal and sellar region	
<i>Moderators: Alexander Konovalov, Sergey Gorelyshev</i>	
11.30 – 11.45	Craniopharyngioma surgery. <i>Alexander Konovalov (Moscow)</i>
11.45 – 12.00	Radiation therapy in the treatment of craniopharyngiomas. <i>Alexander Savateev (Moscow)</i>
12.00 – 12.15	Endoscopic assisted vs endoscopic endonasal surgery for pediatric craniopharyngioma. <i>Mohamed El Beltagy (Egypt) - on-line</i>
12.15 – 12.30	Chiasmal gliomas.



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	<i>Sergey Gorelyshev (Moscow)</i>
12.30 – 12.45	Radiotherapy of gliomas. <i>Yuri Trunin (Moscow)</i>
12.45 – 13.00	Replacement hormone therapy in chiasmal/hypothalamic tumors. <i>Nadezhda Mazerkina (Moscow)</i>
13.00 – 14.00	Lunch
Session of the Scientific Council of the Russian Academy of Sciences	
14.00 – 16.30 Neurosurgical aspects of the treatment of tumors of the central nervous system	
<i>Moderators: Igor Reshetov, Vladimir Krylov, Dmitry Usachev, Igor Pronin</i>	
14.00 – 14.20	Improvement of medical care for patients with neuro-oncological diseases. <i>Alexander Prirodov (Moscow)</i>
14.25 – 14.45	Combined treatment of brain tumors in children: achievements and perspectives. <i>Sergey Gorelyshev (Moscow)</i>
14.50 – 15.10	Neurosurgical aspects of the treatment of spinal cord tumors. <i>Nikolay Konovalov (Moscow)</i>
15.15 – 15.35	Radiosurgical approach in the treatment of central nervous system tumors: radiobiology, possibilities and limitations. <i>Andrey Golanov (Moscow)</i>
15.40 – 16.00	Tumors of the skull base: the possibilities of endoscopic surgery. <i>Vladislav Cherebillo (Saint-Petersburg)</i>
16.00 – 16.20	Modern approaches to the treatment of metastatic lesions of the spine and spinal cord. <i>Artem Gushcha (Moscow)</i>
16.20 – 16.30	<i>General discussion</i>
16.30 – 17.00	Course photo

December 13 (Friday)

Burdenko National Medical Research Center for Neurosurgery

Congress Hall

(Moscow, 4-Tverskaya-Yamskaya, 16)

09.00 – 10.30 Brain stem and spinal tumors	
<i>Moderators: Memet Ozek, Yurii Kushel</i>	
09.00 – 09.15	Surgical treatment of brain stem tumors. <i>Alexander Konovalov (Moscow)</i>
09.15 – 09.30	DIPG: should we do a biopsy? <i>Memet Ozek (Turkey)</i>



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09.30 – 09.45	DIPG: radiotherapy, chemotherapy, target therapy... Is there any hope? <i>Andrey Levashov (Moscow)</i>
09.45 – 10.00	Surgery of intramedullary spinal cord tumors. <i>Yurii Kushel (Moscow)</i>
10.00 – 10.15	Evolution of surgery for chordomas of the skull base and craniovertebral junction. <i>Alexey Shkarubo (Moscow)</i>
10.15 – 10.30	<i>Discussion</i>
10.30 – 11.00	Coffee break

	11.00 – 12.30 Case presentations		
	Hall 1	Hall 2	Hall 3
	<i>Alvaro Cordoba Yurii Kushel Andrey Levashov</i>	<i>Nelci Zanon Rosanda Ilic Elena Khuhlaeva</i>	<i>Memet Ozek Sergey Gorelyshev Yurii Trunin</i>
12.30 – 13.00	Lunch		

13.00 – 15.00 Video-session Neuroendoscopy in the treatment of brain tumors	
<i>Moderators: Alvaro Cordoba, Oleg Pak</i>	
13.00 – 13.15	Endoscope-assisted microsurgery in brain tumors. <i>Alvaro Cordoba (Uruguay)</i>
13.15 – 13.30	Ultrasonic aspirator in neuroendoscopy. <i>Memet Ozek (Turkey)</i>
13.30 – 13.45	Endoscopic tumor management: surgical technique. <i>Mohamed El Beltagy (Egypt) - on-line</i>
13.45 – 14.00	Transorbital endoscopic approach to anterior fossa lesions. <i>Edisher Magalashvili (Georgia) - on-line</i>
14.00 – 14.15	Removal of angiofibromas by endoscopic transnasal approach. <i>Marina Nersesyan (Moscow)</i>
14.15 – 14.30	Development of the domestic surgical navigation system Autoplan. <i>Maria Tanatina (Samara)</i>
14.30 – 14.45	<i>Discussion</i>
14.45 – 15.00	<i>Final remarks</i>