



# The Walter E. Dandy Neurosurgical Society X World Congress



**JUNE**  
**27-28**  
**2025**

**ASTANA, KAZAKHSTAN**  
**«Rixos President Astana» Hotel**





Ministry of  
Healthcare of the  
Republic of Kazakhstan



WALTER  
E. DANDY  
NEUROSURGICAL SOCIETY



NATIONAL CENTRE  
FOR NEUROSURGERY



# The Walter E. Dandy Neurosurgical Society X World Congress



## PROGRAM BOOK

June 27-28, 2025  
Astana, Kazakhstan



# Welcome message



Dear Colleagues,

It is my great pleasure to welcome you to the 10th World Congress of the Walter E. Dandy Neurosurgical Society. This year's Congress is presided over by the esteemed Professor Serik Akshulakov, CEO of the National Center for Neurosurgery and President of the Kazakh Association of Neurosurgeons.

The Walter E. Dandy Neurosurgical Society was founded on November 19, 2011, in St. Louis, Missouri, USA. The inaugural event was attended by the Society's Board of Directors, Professor Dandy's daughter, and many distinguished guests. On that historic day,

Governor Jeremiah Nixon issued a special proclamation recognizing the founding of the Society in the state of Missouri.

Since its inception, the Walter E. Dandy Neurosurgical Society has served as a premier global forum for neurosurgeons dedicated to collaborative advancement in education, anatomical understanding, surgical technique, and evidence-based clinical practice. Through shared knowledge and commitment, we strive to elevate the standards of care for patients worldwide.

We are honored to have you join us on this meaningful journey.

*Sincerely,  
Saleem I. Abdulrauf, MD, FACS  
Global President  
Walter E. Dandy Neurosurgical Society*



# Welcome message



Dear colleagues and guests,

It is a great honor and privilege to welcome you to the 10th World Congress of the Walter E. Dandy Neurosurgical Society, taking place in Astana, Kazakhstan.

The Congress serves as a powerful symbol of our shared commitment to innovation, excellence, and collaboration across borders. We are proud to host this Congress in Kazakhstan. Astana, with its unique architecture, cultural diversity, and growing medical infrastructure, provides an ideal setting for meaningful dialogue and international exchange.



Over the course of these two days, participants will have the opportunity to engage in high-level discussions, share groundbreaking research, observe advanced surgical techniques, and build lasting professional relationships. We are confident that the knowledge and ideas exchanged here will contribute significantly to the future of global neurosurgery.

On behalf of the Organizing Committee, I sincerely thank each of you for your presence and contribution. I wish you engaging discussions, fruitful collaborations, and a memorable and inspiring stay in Astana.

Sincerely,

*Prof. Serik Akshulakov*

*President of the 10th World Congress of the Walter E. Dandy Neurosurgical Society*





07:30 – 08:30	<b>REGISTRATION</b> Exhibition of medical companies
08:30 – 09:00	<b>OPENING CEREMONY</b> President of the 10th World Congress of the Walter E. Dandy Neurosurgical Society <b>Serik Akshulakov</b> Global President of the Walter E. Dandy Neurosurgical Society <b>Saleem I. Abdulrauf</b>
	<b>Welcoming speeches:</b> Deputy Prime Minister of the Republic of Kazakhstan <b>Yermek Kosherbayev</b> Minister of Healthcare of the Republic of Kazakhstan <b>Akmaral Alnazarova</b> President of the National Academy of Sciences under the President of the Republic of Kazakhstan <b>Ahylbek Kurishbayev</b> Chairman of the Committee on Social and Cultural Development of the Mazhilis of the Parliament of the Republic of Kazakhstan <b>Askhat Aimagambetov</b> Chargé d'Affaires, a.i. of US Mission in Kazakhstan <b>Deborah Robinson</b>
09:00 – 09:30	Microneurosurgery: achievements and prospects <i>Speaker: Alexander Konovalov (Russia)</i>
09:30 – 10:00	<b>Coffee Break</b>
<b>Session 1</b> <b>Moderators: Saleem Abdulrauf (USA),</b> <b>Yerbol Makhambetov (Kazakhstan)</b>	
10:00-10:20	Lessons I learned from Professor Yasargil <i>Speaker: Saleem I. Abdulrauf (USA)</i>
10:20-10:40	Recent advances in Craniofacial Surgery for Neurosurgeons - Organic intelligence supercharged with Artificial intelligence <i>Speaker: Owase Jeelani (Great Britain)</i>
10:40-11:00	National Center of Neurosurgery today <i>Speaker: Dmitriy Usachev (Russia)</i>
11:00-11:20	Surgical approach to thalamic tumors <i>Speaker: Memet Ozek (Turkey)</i>





11:20-11:30	<i>Discussion</i>
<b>Session 2</b> <b>Moderators: Katsumi Takizawa (Japan),  Asylbek Kaliyev (Kazakhstan)</b>	
11:30-11:50	Revascularization surgery for Moyamoya disease <i>Speaker: Katsumi Takizawa (Japan)</i>
11:50-12:10	Development of a personalized approach to surgical treatment of patients with spinal tumors using innovative 3D technologies <i>Speaker: Serik Akshulakov, Talgat Kerimbayev, <u>Viktor Aleinikov</u> (Kazakhstan)</i>
12:10-12:30	Future perspectives of the treatment of unruptured intracranial aneurysms <i>Speaker: Daniel Hanggi (Germany)</i>
12:30-12:50	Functional Stereotactic Radiosurgery + SUNCT syndrome <i>Speaker: Piero Picozzi (Italy)</i>
12:50-13:00	<i>Discussion</i>
<b>13:00-14:00</b>	<b>Lunch Break</b>
<b>Session 3</b> <b>Moderators: Abuzer Gungor (Turkey),  Viktor Aleinikov (Kazakhstan)</b>	
14:00-14:20	Ethical dilemmas in clinical and preventive neurosurgery <i>Speaker: Leonid Likhтерman (Russia)</i>
14:20-14:40	Trans-nasal removal of petrous apex cholesteatoma <i>Speaker: Wolf J. Mann (Germany)</i>
14:40-15:00	Progress in Epilepsy Surgery <i>Speaker: Luan Guoming (China)</i>
15:00-15:20	Surgical nuances in the Interhemispheric approaches <i>Speaker: Abuzer Gungor (Turkey)</i>





15:20-15:40	Surgery for the brain stem tumors <i>Speaker: Volodymyr Smolanka (Ukraine)</i>
15:40-16:00	Stages of successful separation of 3-year-old craniopagus twins <i>Speaker: Istvan Valalik (Hungary)</i>
16:00-16:20	Gemini untwined - 9 sets of craniopagus separation across 4 continents - experience, technology and humanity combined <i>Speaker: Owase Jeelani (Great Britain)</i>
16:20-16:30	<i>Discussion</i>
<b>19:00</b>	<b>Gala Dinner</b>





<b>Session 4</b> <b>Moderators: Igor Pronin (Russia),</b> <b>Nurzhan Ryskeldiyev (Kazakhstan)</b>	
08:00-08:20	Radiogenomics of brain gliomas <i>Speaker: Igor Pronin (Russia)</i>
08:20-08:40	Neuromonitoring in Endoscopic Spine Surgery: Enhancing Safety and Precision <i>Speaker: Alisher Azamov (USA)</i>
08:40-09:00	Endoscopically assisted "keyhole" approach to anterior skull base lesions <i>Speaker: Arimantas Tamasauskas (Lithuania)</i>
09:00-09:20	Defining the boundaries of tumor invasion in the peritumoral zone of brain gliomas <i>Speaker: Natalya Zaharova (Russia)</i>
09:20-09:30	<i>Discussion</i>
<b>09:30-10:00</b>	<b>Coffee Break</b>
<b>Session 5</b> <b>Moderators: William Khachatryan (Russia),</b> <b>Gabit Olenbay (Kazakhstan)</b>	
10:00-10:15	MRI phenotypes of different histological variants of Focal Cortical Dysplasia <i>Speaker: Alikhan Alikhanov (Russia)</i>
10:15-10:30	Modern methods of epilepsy surgery treatment <i>Speaker: William Khachatryan (Russia)</i>
10:30-10:45	Epileptiform activity in the in vitro hippocampal formation from patients with drug-resistant epilepsy <i>Speaker: Esper Cavalheiro (Brasil)</i>
10:45-11:00	Endoscopic treatment of multicompartiment hydrocephalus <i>Speaker: Memet Ozek (Turkey)</i>
11:00-11:15	Hypothalamic hamartoma in children <i>Speaker: Gaukhar Ibatova (Kazakhstan)</i>



11:15-11:30	Discussion
<b>Session 6</b> <b>Moderators: Andrey Golanov (Russia),  Nurzat Sygai (Kazakhstan)</b>	
11:30-11:45	Collaboration and Cooperation on Emergency Health Care <i>Speaker: Djoldas Kuldjanov (USA)</i>
11:45-12:00	Radiosurgery for metastasis <i>Speaker: Selcuk Peker (Turkey)</i>
12:00-12:15	Radiosurgery for trigeminal neuralgia <i>Speaker: Andrey Golanov (Russia)</i>
12:15-12:30	Once... Cases from practice <i>Speaker: Nurzat Sygai (Kazakhstan)</i>
12:30-12:45	Pediatric aneurysms <i>Speaker: Daniel Hanggi (Germany)</i>
12:45-13:00	Discussion
<b>13:00-14:00</b>	<b>Lunch Break</b>
<b>Session 7</b> <b>Moderators: Vadim Byvaltsev (Russia),  Talgat Kerimbayev (Kazakhstan)</b>	
14:00-14:15	How I Do It: Surgery for Chordomas <i>Speaker: Siddhartha Ghosh (India)</i>
14:15-14:30	The role of nutrigenomics in the prevention and treatment of neurodegenerative disorders <i>Speaker: Maria Vranceanu (Romania)</i>
14:30-14:45	Long-term clinical and radiological results of total lumbar arthroplasty <i>Speaker: Vadim Byvaltsev (Russia)</i>
14:45-15:00	Extracranial and innovative surgery of the skull base tumors and pathologies <i>Speaker: Alexey Shkarubo (Russia)</i>



15:00-15:15	Sacral neuromodulation for the correction of pelvic organ dysfunctions <i>Speaker: <u>Nurlan Kissamedenov</u>, Aidos Doskaliyev (Kazakhstan)</i>
15:15-15:30	<i>Discussion</i>
<b>15:30-16:00</b>	<b>Coffee Break</b>
<b>Session 8</b> <b>Moderators: Alexey Shkarubo (Russia), Daniyar Teltayev (Kazakhstan)</b>	
16:00-16:15	Walter E. Dandy and Soviet Neurosurgery <i>Speaker: Boleslav Likhтерman (Russia)</i>
16:15-16:30	Surgical nuances in the supracerebellar approaches and its variants <i>Speaker: Abuzer Gungor (Turkey)</i>
16:30-16:45	Experimental optic nerve plastic surgery using an autograft <i>Speaker: Alexey Shkarubo (Russia)</i>
16:45-17:00	Diverse of treatment modality for complex brain aneurysms <i>Speaker: Yerbol Makhambetov, <u>Chingiz Nurimanov</u> (Kazakhstan)</i>
17:00-17:15	Negative cerebral effect of CSF <i>Speaker: Michael Spyrou (Cyprus)</i>
17:15-17:20	<i>Discussion</i>
<b>Session 9</b> <b>Moderators: Selcuk Peker (Turkey), Aidos Doskaliyev (Kazakhstan)</b>	
17:20-17:35	Pituitary Stereotactic Radiosurgery in Intractable Pain <i>Speaker: Andrey Golanov (Russia)</i>
17:35-17:50	Radiosurgery for sellar-parasellar pathologies <i>Speaker: Selcuk Peker (Turkey)</i>



17:50-18:05	The Art of Brain Surgery: School, Heritage, Responsibility and Aesthetics <i>Speaker: Evaldas Cesnulis (Switzerland)</i>
18:05-18:20	Microvascular decompression for trigeminal neuralgia: how to predict long-term outcome <i>Speaker: Volodymyr Smolanka (Ukraine)</i>
18:20-18:35	Peculiarities of surgical tactics in pregnant women with brain tumor lesions <i>Speaker: Serik Akshulakov, Nurzhan Ryskeldiyev, <u>Muratbek Tleubergenov</u> (Kazakhstan)</i>
18:35-18:40	<i>Discussion</i>
18:40	<b>Closing Ceremony</b> <i>Saleem Abdulrauf, Serik Akshulakov</i>
29 June	<b>Visiting the National Center for Neurosurgery (optional with prior registration)</b>



# STUDENT SYMPOSIUM



NATIONAL CENTRE  
FOR NEUROSURGERY

## JOINT NEUROSURGERY SYMPOSIUM of the Abdurauof University of Neurosurgery and the Kazakh Association of Neurosurgeons

*For neurosurgery residents and medical students*

**Lecturer:** Prof. Saleem Abdurauof, MD, FACS  
Clinical Professor of Neurosurgery at George Washington University  
Global President, Walter E. Dandy Neurosurgical Society (WEDNS)  
Neurosurgeon-in-Chief, Abdurauof Institute of Neurosurgery

**Date:** June 26, 2025

**Time:** 14:00-17:00

**Venue:** "Astana" Hall, National Center for Neurosurgery,  
34/1 Turan Ave., Astana

# TECHNICAL WORKSHOP



NATIONAL CENTRE  
FOR NEUROSURGERY

## Technical Workshop: Aesculap MINOP Technologies and Instruments

Date: June 29, 2025

Venue: National Center for Neurosurgery, 34/1 Turan Ave., Astana

09:00 - 09:15	<b>Participant Registration</b>
09:15 - 09:30	<b>Training Opening</b> <b>Welcome speech:</b> Yulia R. Ovchinnikova, Head of Division Aesculap Kazakhstan <b>Welcome speech:</b> Daniel Pavlista, Senior Business Development Manager for Neurosurgery, Aesculap Germany
09:30 - 10:00	<b>Basics of MINOP Neuroendoscopy</b> <ul style="list-style-type: none"><li>• Hands-on training with the Aesculap MINOP ventriculoscope system</li><li>• Advantages and capabilities</li><li>• System preparation</li><li>• Functionality check and connection setup</li><li>• Operating room management during neuroendoscopy</li><li>• Tips and recommendations</li></ul>
10:00 - 10:30	<b>Overview of Aesculap Visualization, Equipment, and Instruments</b> Hands-on training with: <ul style="list-style-type: none"><li>• Aesculap Neuroendoscopy Tower</li><li>• MINOP Intraventricular Neuroendoscopy</li><li>• Aesculap Microinstruments</li><li>• High-level intraventricular neuroendoscopy system: Minop InVent (brief overview)</li></ul>
10:30 - 11:00	<b>Interactive Q&amp;A Session</b> <ul style="list-style-type: none"><li>• Participant questions</li><li>• «What to do when things go wrong? »</li><li>• Tips and advice</li></ul>
11:00 - 11:15	<b>Closing Remarks and Training Conclusion</b>



# ORGANIZERS

## **Organizers:**

Kazakh Association of Neurosurgeons  
Walter E. Dandy Neurosurgical Society  
Ministry of Healthcare of the Republic of Kazakhstan  
National Academy of Sciences under the President of the Republic of Kazakhstan  
National Center for Neurosurgery

## **President of the X World Congress of the Walter E. Dandy Neurosurgical Society:**

Serik Akshulakov – MD, Professor, Academician of the National Academy of Sciences of the Republic of Kazakhstan, President of the Kazakh Association of Neurosurgeons

## **Walter E. Dandy Neurosurgical Society Global President:**

Saleem Abdulrauf (USA) – Clinical Professor of Neurosurgery at George Washington University, Neurosurgeon-in-Chief at the Abdulrauf Neurosurgical Institute.

## **Organizing Committee:**

Mazhit Shaidarov  
Talgat Omarov  
Asylbek Kaliyev  
Aidos Doskaliev  
Altyn Zhumabayeva  
Talgat Kerimbaev  
Yerbol Makhambetov  
Victor Aleinikov  
Raushan Kaztayeva

## **Contact Information:**

Kazakh Association of Neurosurgeons  
**Phone:** +7 7172 62 11 70, +7 701 420 2829  
**Email:** kazneuro@yandex.kz  
**Websites:** <https://wedns.org>  
[www.neurosurgeons.kz](http://www.neurosurgeons.kz)

## ADDITIONAL INFORMATION



### **Badges:**

*Name badges must be worn at all times during the Congress. Only name badges will grant access to sessions and coffee breaks.*



### **IT Support Service:**

*Speakers must submit their presentations on USB drives in Microsoft PowerPoint format to the IT support team in the "Zheruyik" Hall at least 30 minutes before the start of their session.*



### **Coffee Breaks:**

*Free for all participants. Located in the hall near "Zheruyik" Hall.*



### **Gala Dinner:**

*Date: June 27, 19:00–23:00*

*Venue: Rixos Hotel, "Zheruyik" Hall*

*Entry by invitation only.*

*Participation fee: \$50. Tickets available at the registration area. Limited seats.*



### **Certificates:**

*Congress participation certificates and travel authorizations will be issued at the registration area starting from 14:00 on June 28.*



### **Cultural Program:**

*On June 27 from 17:00 to 19:00, there will be a bus city tour for everyone. Limited seats. Pre-registration at the registration area is required.*