



RUSSIAN LIVE NEURORADIOLOGY
CONFERENCE

DEVIL HIDDEN IN DETAILS 2024

26–27 SEPTEMBER 2024

**Saint Petersburg Association of Neurosurgeons
Polenov Neurosurgical Institute (branch of Almazov National Medical Research Centre)
Peoples' Friendship University of Russia**

ORGANIZING COMMITTEE

Andrey E. Petrov, MD, PhD, Head of the Department of Cerebrovascular Surgery, Polenov Neurosurgical Institute

Konstantin A. Samochernykh, MD, DSc, Professor of RAS, Director of Polenov Neurosurgical Institute

Victor E. Olyushin, MD, DSc, Professor, President of the Saint Petersburg Association of Neurosurgeons

Chairman of the Program Committee – Victor E. Olyushin

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- Meruert Saifullakzy (Astana, Kazakhstan)
- Ruslan D. Sharshebayev (Bishkek, Kyrgyzstan)

- Sergey V. Shenderov (Saint Petersburg)
- Alexey Yu. Shubin (Yoshkar-Ola)
- Yulia V. Suvorova (Saint Petersburg)
- Andrey Yu. Teregulov (Kazan)
- Evgeny V. Vinogradov (Moscow)
- Mikhail Yu. Volodyukhin (Kazan)
- Sergey B. Yakovlev (Moscow)

PURPOSE OF THE EVENT

The purpose of the event is to create a platform for healthcare professionals to exchange scientific information by providing educational content that demonstrates the latest advancements in modern treatment methods and clinical research. The event is planned to be held annually, making it an ideal platform for sharing opinions and experiences in the field of medicine and healthcare.

Educational objectives of the conference:

- Application of important clinical research results and evidence-based medicine for treating patients with cerebral aneurysms, arteriovenous malformations, and arteriovenous fistulas.
- Implementation of new interventional technologies and methods for treating patients with complex cerebrovascular diseases.
- Integration of advancements in diagnostic assessment and therapy for patients with carotid, vertebral, and intracranial artery diseases.
- Adoption of appropriate pharmacological approaches for treating patients undergoing diagnostic angiography and surgical treatment before, during, and after catheterization.
- Enhancing the safety of the workflow in the angiography room, sharing knowledge between doctors, technicians, and nurses.

The conference will be of interest to neurosurgeons, interventional neuroradiologists, neurologists, endovascular surgeons, residents, nurses, physician assistants, interventional technicians, and other medical professionals whose professional activities are related to neurointerventional and cerebrovascular surgery.

CONFERENCE FORMAT

Live broadcasts of surgeries from the RG-operating rooms of the Polenov Neurosurgical Institute and partner clinics to the conference hall. Moderators in the hall will present reports, conduct discussions, and discuss real-time patient treatment scenarios (open discussion of Live cases).

PARTICIPANT REGISTRATION

Electronic registration of participants is available on the website www.almazovcentre.ru and is free of charge. Registration is also available on-site during the conference. Participation is in person.

PROGRAM

September 26, 2024

09:00 – 09:15 Welcome address:

Konstantin A. Samochernykh, MD, DSc, Professor of RAS, Director of the Polenov Neurosurgical Institute (branch of Almazov National Medical Research Centre)

ANEURYSMS. SIMPLE SOLUTIONS

Moderators: S.B. Yakovlev, L.V. Rozhchenko, M.S. Berdikhodzhayev, M.Yu. Volodyukhin, O.S. Belokon

- 09:15 – 09:20** Presentation of Live Case 1 (clinical case)
- 09:20 – 09:40** Live Case 1: Live broadcast from the operating room of the Burdenko National Medical Research Centre of Neurosurgery (*Moscow*)
- 09:40 – 09:45** Presentation of Live Case 2 (clinical case)
- 09:45 – 10:05** Live Case 2: Live broadcast from the operating room of Federal Centre for Brain and Neurotechnology (*Moscow*)
- 10:05 – 10:10** Presentation of Live Case 3 (clinical case)
- 10:10 – 10:30** Live Case 3: Live broadcast from the operating room of the Beloostrov High Technology Clinic (*Saint Petersburg*)
- 10:30 – 10:35** Presentation of Live Case 4 (clinical case)
- 10:35 – 10:55** Live Case 4: Live broadcast from the operating room of the Polenov Neurosurgical Institute – branch of Almazov National Medical Research Centre (*Saint Petersburg*)
- 10:55 – 11:05** Discussion
- 11:05 – 11:20** Coffee break

Moderators: R.D. Sharshebayev, Ganbaatar Rentsenkhuu, L.V. Rozhchenko, Rauan Kastey Meyramovich, S.B. Yakovlev

- 11:20 – 11:35** Working with flow-diverting stents: what to expect for beginners. **Ruslan D. Sharshybayev**, *interventional radiologist, head of the department of interventional radiology and cardiology at Vedanta Medical Clinic (Bishkek, Kyrgyzstan)*
- 11:35 – 11:50** Endovascular treatment of aneurysms in Mongolia: main approaches. **Ganbaatar Rentsenkhuu**, *neurosurgeon, head of the angiography department at the 3rd Central State Hospital named after P.N. Shastin, (Ulaanbaatar, Mongolia)*
- 11:50 – 12:05** Treatment of aneurysms: typical challenges. **Rauan Kastey Meyramovich**, *head of the vascular neurosurgery department at City Hospital No. 7 (Almaty, Kazakhstan)*
- 12:05 – 13:00** Simple solutions (Working on silicone models)
Moderator – **Arkady A. Ivanov**
- 13:00 – 14:00** Lunch

ATHEROSCLEROSIS. REVASCULARIZATION. ISCHEMIC STROKE

Moderators: S.B. Yakovlev, L.V. Rozhchenko, M.Y. Volodyukhin, M.S. Berdikhodzhayev, S.V. Shenderov, S.V. Ermakov

- 14:00 – 14:05** Presentation of Live Case 5 (clinical case)
- 14:05 – 14:30** Live Case 5: Live broadcast from the operating room of the Polenov Neurosurgical Institute - branch of Almazov National Medical Research Centre (Saint Petersburg)
- 14:30 – 15:05** Flow-diverting stents: expectations and reality
Presentations, discussion
Presentations (5 minutes each): A.Y. Teregulov (Kazan), O.S. Belokon (Stavropol), E.A. Kuzmenko (Nizhny Novgorod), V.A. Panarin (Vladivostok), A.V. Legky (Volgograd), M.A. Bessmertnykh (Surgut), A.Yu. Shubin (Yoshkar-Ola)
- 15:05 – 15:20** Combination of atherosclerotic lesions of the neck and brain vessels.
Mikhail Yu. Volodyukhin, head of Department of Radiosurgical Diagnostic and Treatment Methods, Interregional Clinical Diagnostic Centre (Kazan)
- 15:20 – 15:25** Presentation of Live Case 6 (clinical case)
- 15:25 – 15:40** Live Case 6: Live broadcast from the operating room of the Polenov Neurosurgical Institute - branch of Almazov National Medical Research Centre (Saint Petersburg)
- 15:40 – 15:55** Endovascular treatment of cerebral artery atherosclerosis.
Revascularization possibilities
Mynzhylky S. Berdikhodzhayev, Master of Health, neurosurgeon of the highest category, X-ray surgeon, head of the neurosurgery center at Central Clinical Hospital, Deputy Director for Surgery at the Medical Center Hospital of the Presidential Administration of the Republic of Kazakhstan, Vice President of the Kazakhstan Society of Interventional Cardiologists and X-Ray Surgeons, winner of the 100 New Faces of Kazakhstan project (Astana, Kazakhstan)
- 15:55 – 16:05** Vertebral artery stenting
Arkady A. Ivanov, MD, PhD, neurosurgeon, senior researcher at the Department of Surgery of the Brain and Spinal Vessels, Polenov Neurosurgical Institute - branch of Almazov National Medical Research Centre (Saint Petersburg)
- 16:05 – 16:20** Stenting in atherosclerotic lesions of the main artery
Sergey V. Shenderov, vascular surgeon, head of Department of Radiosurgical Diagnostic and Treatment Methods at City Hospital No. 26 (Saint Petersburg)
- 16:20 – 16:30** Coffee break
- Moderators: S.V. Shenderov, L.V. Rozhchenko, S.B. Yakovlev, A.A. Khilchuk, O.S. Belokon, S.V. Ermakov**
- 16:30 – 16:45** Application of artificial intelligence in the treatment of ischemic stroke
(sponsored by GE)
(S.V. Shenderov team - TBD)
- 16:45 – 17:00** Stroke: diagnostics and analysis using artificial intelligence
Meruert Saifullakzy, neuroradiologist, Master of Medical Sciences, medical director of the "Cerebra" project, Central Clinical Hospital of the Presidential Administration of the Republic of Kazakhstan (Astana, Kazakhstan)

- 17:00 – 17:15** Application of "Cerebra" in endovascular treatment of ischemic stroke in Uzbekistan
Anton A. Khilchuk, MD, PhD, endovascular surgeon at Shox Intervention (Tashkent, Uzbekistan)
- 17:15 – 17:30** The importance of perfusion before and after endovascular treatment of cerebral vessel stenosis
L.V. Rozhchenko / K.K. Kukanov – TBD
- 17:30 – 17:45** Non-contrast MR perfusion
Natalia V. Topolskova, radiologist at Almazov National Medical Research Centre (*Saint Petersburg*)
- 17:45 – 18:00** Digital assistants in stroke centers. Real clinical practice examples
Evgeny I. Kretov, radiologist and endovascular surgeon, MD, DSc, Center for New Medical Technologies (Novosibirsk)
- 18:00 – 18:15** Trouble never comes alone: When ischemic and hemorrhagic strokes occur simultaneously, what should surgeons do?
Oleg S. Belokon, head of the Department of Radiosurgical Diagnostic and Treatment Methods, Stavropol Regional Clinical Hospital (*Stavropol*)
- 18:15 – 18:30** Discussion and summary

September 27

**ARTERIOSINUS FISTULAS, CHRONIC SUBDURAL HEMATOMAS,
ARTERIOVENOUS MALFORMATIONS**

Moderators: S.B. Yakovlev, L.V. Rozhchenko, O.A. Pavlov, O.S. Belokon, V.A. Panarin, Ganbaatar Rentsenkhuu

- 09:00 – 09:15** Endovascular treatment of chronic subdural hematomas with onyx
Oleg A. Pavlov, neurosurgeon, head of the neurosurgical department, City Mariinsky Hospital (*Saint Petersburg*)
- 09:15 – 09:30** Advantages of embolizing chronic subdural hematomas with low viscosity non-adhesive embolizing substance SQUID
Andrey E. Petrov, head of the Department of Cerebrovascular Surgery, Polenov Neurosurgical Institute (*Saint Petersburg*)
- 09:30 – 09:45** Treatment of chronic subdural hematomas
Oleg S. Belokon, head of the Department of Radiosurgical Diagnostic and Treatment Methods, Stavropol Regional Clinical Hospital (*Stavropol*)
- 09:45 – 10:00** Application of AI in assessing treatment results of chronic subdural hematomas
Arkady A. Ivanov, MD, PhD, neurosurgeon, senior researcher at the Department of Surgery of the Brain and Spinal Vessels, Polenov Neurosurgical Institute - branch of Almazov National Medical Research Centre (*Saint Petersburg*)
- 10:00 – 10:05** Presentation of Live Case 7 (clinical case)
- 10:05 – 10:35** Live Case 7: clinical case of treating chronic subdural hematoma
Polenov Neurosurgical Institute - branch of Almazov National Medical Research Centre (*Saint Petersburg*)
- 10:35 – 10:40** Presentation of Live Case 8 (clinical case)
- 10:40 – 11:20** Live Case 8: treatment of arteriosinus fistula with CAP
Polenov Neurosurgical Institute - branch of Almazov National Medical Research Centre (*Saint Petersburg*)
- 11:20 – 11:30** Coffee break
- Moderators: S.B. Yakovlev, L.V. Rozhchenko, A.Y. Shubin, O.A. Pavlov, M.A. Bessmertnykh, R.D. Sharshebaev**
- 11:30 – 11:35** Presentation of Live Case 9 (clinical case)
- 11:35 – 12:05** Live Case 9: clinical case of treating arteriosinus fistulas via transvenous access
M.S. Berdikhodzhaev, Central Clinical Hospital (*Astana, Kazakhstan*)
- 12:05 – 12:10** Presentation of Live Case 10 (clinical case)
- 12:10 – 12:50** Live Case 10: sinus protection during endovascular treatment of arteriosinus fistulas (live broadcast sponsored by Philips)
Polenov Neurosurgical Institute - branch of Almazov National Medical Research Centre (*Saint Petersburg*)
- 12:50 – 13:00** Discussion
- 13:00 – 14:00** Lunch

Moderators: S.B. Yakovlev, L.V. Rozhchenko, O.S. Belokon, A.Y. Teregulov, E.A. Kuzmenko, A.V. Legky

- 14:00 – 14:15** AVM-associated aneurysms: where to start?
Larisa V. Rozhchenko, MD, PhD, neurosurgeon, head of the department of surgery of the vessels of brain and spinal cord, Polenov Neurosurgical Institute - branch of Almazov National Medical Research Centre (Saint Petersburg)
- 14:15 – 14:20** Presentation of Live Case 11 (clinical case)
- 14:20 – 15:00** Live Case 11: clinical case of AVM treatment
Polenov Neurosurgical Institute - branch of Almazov National Medical Research Centre (*Saint Petersburg*)
- 15:00 – 15:15** Endovascular experience in AVM treatment at a regional vascular centre, main tasks
Oleg S. Belokon, head of the Department of Radiosurgical Diagnostic and Treatment Methods, Stavropol Regional Clinical Hospital (Stavropol)
- 15:15 – 15:30** Arteriovenous fistulas at the craniovertebral junction
Evgeny V. Vinogradov, neurosurgeon, Burdenko National Medical Research Centre of Neurosurgery (Moscow)
- 15:30 – 15:35** Presentation of Live Case 12 (clinical case)
- 15:35 – 16:00** Live Case 12: treatment of dural fistula
Polenov Neurosurgical Institute - branch of Almazov National Medical Research Centre (*Saint Petersburg*)
- 16:00 – 16:20** Coffee break
- Moderators: L.V. Rozhchenko, A.Y. Teregulov, O.S. Belokon, E.A. Kuzmenko, M.A. Bessmertnykh, A.V. Legky, V.A. Panarin, A.Y. Shubin, S.V. Ermakov**
- 16:20 – 16:35** Intermediate results of D-Asia
Andrey Kononov, Clinical Research Specialist, Project Manager of D-Asia (Saint Petersburg)
- 16:35 – 16:50** Discussion of researchers
Led by Larisa V. Rozhchenko (Saint Petersburg)
- 16:50 – 17:00** Discussion, expert opinions, closing remarks.
Best Moderator Nomination

CONFERENCE VENUE

Angleterre Hotel, Cinema Hall
24 Malaya Morskaya Street, Saint Petersburg

TECHNICAL ORGANIZATION

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