



**11th Moscow International Course on Hybrid Surgery
(MICHS-2020)
Scientific programme**

February 2, 2020

11:00 – 12:45 “Endovascular treatment of lower limb arterial lesions”, Part 1

Presidium: Acad. R.S. Akchurin, Acad. A.V. Gavrilenko, Acad. I.I. Zatevakhin, Acad. A.V. Pokrovsky

11:00 – 11:15 Welcoming remarks
A.V. Pokrovsky (Moscow)

11:15 – 11:25 Up-to-date surgical treatment methods for patients with chronic lower limb ischemia
A.V. Gavrilenko (Moscow)

11:25 – 11:35 Up-to-date aspects of roentgen-endovascular interventions in critical lower limb ischemia
I.A. Eroshkin (Moscow)

11:35 – 11:45 Hybrid technologies for tandem lesion of common femoral and popliteal arteries
A.A. Karpenko (Novosibirsk)

11:45 – 12:05 Life-case

12:05 – 12:15 Opportunities of interventional radiology in the femoropopliteal segment using CO₂ angiography
V.V. Derkach, V.N. Shipovsky (Klin)

12:15 – 12:25 Our experience in using «Supera» stent in endovascular interventions for femoral and popliteal arteries
N.V. Zakaryan, V.E. Barinov, A.S. Pankov, A.G. Davtyan, A.A. Shelensko, E.B. Molokhoyev, V.R. Kirakosyan, M.P. Chernyavin (Moscow)

12:25 – 12:35 Hybrid surgery in lower limb revascularization: for whom, when, why?
N.A. Naumov (Yaroslavl)

12:35-12:45 Small artery disease and medial artery calcification: the new leaders of CLI
Andrea Casini (Italy)

12:45 – 13:00 Coffee break

13:00 – 13:30 Lecture “The role of covered stents in the treatment of congenital cardiovascular diseases: From the imaging to the procedure. Current status and future perspectives”

Prof. Petru G. Luiba (Sweden)

13:30 – 16:10 “Endovascular treatment of lower limb arterial lesions”, Part 2

Presidium: prof. I.A. Eroshkin, prof. Z.A. Kavteladze, prof. A.A. Karpenko, S.A. Terekhin, prof. A.V. Chupin

13:30 – 13:40 “New life” of lower limb arteries after endovascular surgery

Z.A. Kavteladze (Moscow)

13:40 – 13:50 Hybrid approach in common femoral artery occlusion

M.A. Chernyavsky (St. Petersburg)

13:50 – 14:00 Device for entry into true lumen – luxury or necessity in recanalization of chronic occlusions of lower limb artery

S.A. Platonov (St. Petersburg)

14:00 – 14:10 Opportunities of endovascular revascularization in treatment for ominous lower limb ischemia in patients with diabetes mellitus

I.I. Sitkin (Moscow)

14:10 – 14:20 Peripheral hybrid interventions in surgery of critical limb ischemia

A.V. Zholkovsky (Rostov-on-Don)

14:20 – 14:30 Hybrid interventions in SFA

S.A. Papoyan (Moscow)

14:30 – 14:40 Long-term results of hybrid surgery for various diseases of aorta and peripheral arteries

D.A. Maitesyan, V.L. Baldin, A.V. Verigo, A.V. Siliko (Moscow)

14:40 – 14:50 Treatment of patients with distal critical lower limb ischemia

M.B. Temrezov (Cherkessk)

14:50 – 15:00 Surgical approaches for infrainguinal arterial atherosclerotic lesions in patients with critical ischemia

A.V. Chupin (Moscow)

15:00 – 15:10 Use of drug eluting balloons for SFA occlusions

A.G. Mizin, P.B. Kan (Khanty-Mansiysk)

15:10 – 15:20 Hybrid surgery in treatment of lower limb ischemia

K.V. Bylov (Moscow)

15:20 – 15:30 Mechanical thrombectomy from lower limb arteries. Is a stent necessary? Clinical case.



S.V. Shenderov, E.G. Karmazanashvili, D.A. Sveklov, M.V. Turbaev (St. Petersburg)

15:30 – 15:40 Foot vein arterialization in no-option CLI patients
Andrea Casini (Italy)

15:40 – 15:50 Use of various options of retrograde approach for recanalization of lower limb arteries¹
R.G. Khovalkin (Moscow)

15:50 – 16:00 Balloon angioplasty of popliteal artery in patients with critical lower limb ischemia. Long-term results.
K.A. Atmadzas, A.N. Lipin, A.V. Antropov, P.S. Kuryanov., A.G. Orlov (St. Petersburg)

16:00 – 16:10 Our experience in angioplasty of arteriovenous fistulas in patients with chronic dialysis
K.P. Vetrov, N.S. Kiselev, A.N. Fominykh, L.V. Kardapoltsev (Ekaterinburg)

¹ Lecture is sponsored by Cordis, points for continuing medical education are not awarded



February 3, 2020

9:00 - 10:00 Registration of participants

10:00 Conference opening

10:00 – 11:40 Plenary session “Prospects for the development of hybrid cardiovascular surgery in Russian Federation”

Presidium: Acad. R.S. Akchurin, Acad. Yu.V. Belov, Acad. S.A. Boitsov, Acad. I.I. Zatevakhin, RF Healthcare Minister M.A. Murashko, Acad. A.Sh. Revishvili, Acad. G.G. Khubulava

10:00 – 10:05 Welcoming remarks by the RF Healthcare Minister

10:05 – 10:10 Welcoming remarks by the Conference Cochairman, Acad. S.A. Boitsov, CEO, Federal State Budgetary Organization National Cardiology Research Center Ministry of Health of Russian Federation

10:10 – 10:15 Welcoming remarks by the Conference Cochairman, Acad. R.S. Akchuin, Deputy CEO for Surgery, Federal State Budgetary Organization National Cardiology Research Center Ministry of Health of Russian Federation

10:15 – 10:20 Welcoming remarks by I.I. Zatevakhin, Chairman of the Russian Surgical Society

10:20 – 10:40 Hi-tech surgical program for acute aortal syndrome in St. Petersburg
G.G. Khubulava (St. Petersburg)

10:40 – 11:00 Expansion of TAVI population from the perspective of evidence-based medicine-2020

Jan Kovac (Great Britain)

11:00 – 11:20 Current view on the issues of cerebral perfusion in the aortic arch surgery – experience of 1,000 procedures
Sergey Leontyev (Germany)

11:20 – 11:40 Endovascular and hybrid treatment for aortic diseases
Chang Shu (China)

11:40 – 12:00 Coffee break

12:00 – 14:00 Plenary session “Mitral valve surgery”

Presidium: Acad. B.G. Alekryan, Prof. R. Benetis, Prof. Xiangbin Pan, Acad. A.Sh. Revishvili, Prof. I.I. Skopin

12:00 – 12:10 Mitral valve surgery and atrial fibrillation
A.Sh. Revishvili (Moscow)

12:10-12:20 Current aspects of reconstructive surgery of mitral and tricuspid valve



I.I. Skopin (Moscow)

12:20 – 12:30 Transcatheter methods of mitral valve treatment

B.G. Alekryan (Moscow)

12:30 – 12:40 Transcatheter mitral valve surgery: where are we today?

David Holzhey (Germany)

12:40 – 13:00 Broadcast from operating theater

13:00 – 13:10 Lithuanian experience in transapical mitral valve replacement

Rimantas Benetis (Lithuania)

13:10 – 13:20 Transcatheter mitral repair solutions

Philipp Kiefer (Germany)

13:20 – 13:30 First experience in mitral valve re-replacement using domestic Medlab-KT prosthetic valve

A.V. Bogachev-Prokofyev, R.M. Sharifullin (Novosibirsk)

13:30 – 13:40 Percutaneous interventions without fluoroscopy for structural heart diseases using Lifetech occluder

Xiangbin Pan (China)

13:40 – 13:50 Endovascular transeptal mitral valve replacement

V.I. Ganyukov (Kemerovo)

13:50 – 14:00 Valve-in-valve surgery in patients with prosthetic heart valves

E.A. Shloido (St. Petersburg)

14:00 – 15:00 Philips satellite lunch symposium “Development prospects for visualization technology in the coming years”

15:00 – 16:20 “Up-to-date approaches to surgical treatment of aortic valve”, Part 1

Presidium: Prof. V.V. Bazylev, Prof. A. Finkelstein, Prof. R.N. Komarov, Prof. J. Kovac

15:00 – 15:10 Current options for surgical aortic valve reconstruction

R.N. Komarov (Moscow)

15:10 – 15:20 Transcatheter implantation of Evolut PRO valve with partial repositionability

A. Finkelstein (Israel)

15:20 – 15:30 New generation of fully repositionable transcatheter valve Lotus Edge

Jan Kovac (Great Britain)

15:30 – 15:40 Long-term results of TAVI with use of Medlab-KT: focus on import phase-out



V.V. Bazylev (Penza)

15:40 – 15:50 Complications after transcatheter aortic valve implantation
Sergey Leontyev (Germany)

15:50 – 16:00 Balloon-expandable transcatheter valve «Myvalv» from India: overview and clinical use
Ivan Horvath (Hungary)

16:00 – 16:10 Percutaneous Pulmonary Valve Implantation with Venus-P Valve Stent
Gejun Zhang, Xiangbin Pan (China)

16:10 – 16:30 Coffee break

16:30 – 18:20 “Up-to-date approaches to surgical treatment of aortic valve”, Part 2

Presidium: T.E. Imayev, Doctor of Medical Sciences; Prof. S.A. Leontyev; Prof. Xiangbin Pan;
Prof. A.V. Protopopov

16:30 – 16:40 Conduction disturbances after transcatheter aortic valve implantation. Current trends and approaches.
E.I. Kretov (Novosibirsk)

16:40 – 17:00 Broadcast from operating theater

17:00 – 17:10 Transcatheter aortic valve replacement in case of bicuspid anatomy: approach options and choice of optimal tactics
D.D. Zubarev (St. Petersburg)

17:10 – 17:20 Our experience in endovascular treatment for coexistent aortic valve and coronary artery disease
N.V. Zakaryan (Moscow)

17:20 – 17:30 Endovascular treatment of critical aortal stenosis. Own experience analysis.
K.V. Kochkina, A.V. Protopopov (Krasnoyarsk)

17:30 – 17:40 First experience in TAVI with use of Evolut Pro
D.P. Gaponov (Astrakhan)

17:40 – 17:50 Results of transcatheter aortic valve implantation. First experience with CoreValve Evolut R valve
L.V. Kardapoltsev (Ekaterinburg)

17:50 – 18:00 Transcatheter aortic valve implantation – our experience in Uzbekistan
N.P. Yuldoshev (Uzbekistan)

18:00 – 18:10 Current issues in transcatheter aortic valve implantation
D.P. Stolyarov (Krasnoyarsk)



18:10 – 18:20 Experience of TAVI with use of Acurate neo self-expandable valve in National cardiology research center
T.E. Imaev (Moscow)

15:00 – 16:00 Satellite symposium “Hybrid approach to treatment of non-paroxysmal atrial fibrillation”

Moderator: Acad. A.Sh. Revishvili, Director, A.V. Vishnevsky National Medical Research Center of Surgery

1. Treatment for non-paroxysmal atrial fibrillation: thoracoscopic or catheter approach?
E.A. Artyukhina, Doctor of Medical Sciences
2. Mini-invasive surgery of atrial fibrillation
O.Yi. Pidanov, Candidate of Medical Sciences
3. Mini-invasive video-assisted epicardial ablation of atrial fibrillation: long-term results
A.S. Zhigalkovich, Candidate of Medical Sciences
4. Cryoballoon ablation of persistent atrial fibrillation forms
O.V. Sapelnikov, Doctor of Medical Sciences

16:00 – 17:00 Satellite symposium “Drug-free methods of chronic heart failure treatment”

Moderators: Prof. A.M. Chernyavsky, acting Director, E.N. Meshalkin National Medical Research Center; Prof. S.N. Tereshchenko, head of myocard conditions and heart failure section on the National Medical Research Center of Cardiology

1. Cardiac contractility modulation in patients with atrial fibrillation: annual results
T.M. Uskach, Doctor of Medical Sciences, V.A. Amanatova
2. Catheter ablation of atrial fibrillation in patients with chronic heart failure: influence on the prognosis
D.F. Ardus
3. Ventricular cardiac rhythm disorders in patients with chronic heart failure: what can we do now?
O.V. Sapelnikov, Doctor of Medical Sciences
4. Circulatory support with assist-devices in patients with the end-staged chronic heart failure
M.G. Ivanov, S.Yu. Shemakin



February 4, 2020

10:00 – 12:20 Plenary session “Hybrid surgery of thoracic aorta”

Presidium: Prof. S.A. Abugov, Prof. R. Benetis, Acad. Yu.P. Ostrovsky, RAS Corresponding Member E.R. Charchyan, Prof. A.M. Chernyavsky

10:00 – 10:10 Surgery of aortic arch in actual clinical practice in Kaunas
Rimantas Benetis (Lithuania)

10:10 – 10:20 Hybrid surgery of thoracic aorta
A.M. Chernyavsky (Novosibirsk)

10:20 – 10:30 Different approaches and results of surgical treatment for Type 1 aortic dissection
E.R. Charchyan (Moscow)

10:30 – 10:40 Experience in TEVAR with use of hybrid stent-graft
B.N. Kozlov (Tomsk)

10:40 – 10:50 New two-wire system for secure f-TEVAR
Sung-Gwon Kang (Korea)

10:50 – 11:00 Mini-invasive correction of aortic valve and aortic root pathology
A.V. Yanushko (Belarus)

11:00 – 11:20 Broadcast from operating theater

11:20 – 11:30 Endovascular surgery of aortal dissection
S.A. Abugov (Moscow)

11:30 – 11:40 Endovascular and surgical interventions in staged treatment for aortal pathology
A.V. Protopopov, K.V. Kochkina (Krasnoyarsk)

11:40 – 11:50 Emergent aortic aneurysm repair
K.N. Vasilyev, N.L. Bayandin (Moscow)

11:50 – 12:00 Current trends in surgical treatment of TAAA
Arakelyan V.S.

12:00 – 12:10 Mini-invasive surgery of aortic arch
D.V. Chernova, M.A. Chernyavsky (St. Petersburg)

12:10 – 12:20 Our approach to the treatment of aortic arch disease
P.M. Lepilin (Moscow)

12:20 – 12:30 In situ fenestration during endovascular treatment of thoracoabdominal aorta
M.R. Sharafutdinov, U.U. Akhmedov (Naberezhnye Chelny)



12:30 – 13:30 Lunch symposium supported by Medtronic “Optimal choice of treatment for AAA with complex anatomy”

13:40 – 16:00 “Development tendencies for endovascular and hybrid surgery on abdominal aorta”

Presidium: Acad. R.S. Akchurin, Prof. Z.A. Kavteladze, Prof. A.V. Chupin, Prof. Chang Shu

13:40 – 13:50 Endovascular surgery on abdominal aorta aneurysm in 10 years
Z.A. Kavteladze (Moscow)

13:50 – 14:00 Current opportunities in endoprosthesis of abdominal aorta with complex anatomy
Chang Shu (China)

14:00 – 14:30 Broadcast from operating theater

14:30 – 14:40 The role of open surgery in treatment of AAA in the endovascular treatment era
A.V. Chupin (Moscow)

14:40 – 14:50 Rarely discussed problems of EVAR
R.S. Polyakov (Moscow)

14:50 – 15:00 Endovascular treatment of occlusive lesions of abdominal aorta and iliac artery occlusion
A.V. Zholkovsky (Rostov-on-Don)

15:00 - 15:10 Experience in endovascular treatment for AAA in patients with challenging anatomy
B.V. Fadin (Ekaterinburg)

15:10 – 15:20 EVAR in AAA with challenging anatomy of aneurysmal neck
T.N. Khafizov (Ufa)

15:20 – 15:30 Treatment of complications after EVAR
M.O. Loginov, N.R. Chernaya (Moscow)

15:30 – 15:40 The method of parallel grafts in endovascular treatment of juxtarenal AAA
A.S. Kolegaev (Moscow)

15:40 – 16:00 Conference closing



14:00 – 15:30 satellite symposium supported by Cardiomedics

Moderator: T.E. Imaev, Doctor of Medical Sciences (Moscow)

1. Endovascular treatment of ASD and VSD
Prof. Xianbin Pan (China)
2. *Broadcast from operating theater*: endovascular closure of PVL
3. Endovascular treatment of septal defects
I.V. Buzaev, Doctor of Medical Sciences (Ufa)
4. Transcatheter closure of PVL with use of occluders
Prof. Eustaqio M. Onorato (Italy)
5. *Broadcast from operating theater*: endovascular closure of ASD
6. Current view on transcatheter and hybrid procedures for structural heart diseases
Prof. A.G. Osiyev (Moscow)