

Current trends of modern cardiothoracic surgery
St.-Petersburg, June 21 – 23th 2018
Cardiac Surgery

21.06.2018. Day 1.

8.30 – 10.30, Cardiac School. Part 1.

Mitral Valve: Anatomy, Diagnose, Approach

Dr. Randolph Chitwood, Greenville; Prof. Marc Merx, Gehrden; Dr. Vladlen Bazylev, Penza

1. Echocardiography of mitral valve. (Dr. Fedor Bartosh, Penza)
2. Sternotomy or Minimally invasive thoracotomy? (Dr. Randolph Chitwood, Greenville).
3. MitraClip – when surgeon gives up. (Prof. Marc Merx, Gehrden)
4. Influence of papillary muscles approximation on the long-term results of mitral annuloplasty (Dr. Vladlen Bazylev, Penza)
5. Discussion.

11.00 – 13.00, Cardiac School. Part2.

Mitral Valve: Tips, Tricks and Pitfalls

Dr. Hugo Vanermen, Knokke; Dr. Patrick Perier, Bad Neustadt; Prof. Alexander Bogachev-Prokofiev, Novosibirsk

1. Ischemic mitral valve. (Dr. Evgenii Nemchenko, Penza)
2. Calcified mitral valve. (Dr. Patrick Perier, Bad Neustadt)
3. Mitral valve surgery for endocarditis (Dr. Hugo Vanermen, Knokke)
4. Mitral valve reconstruction in Barlow's disease: how can we improve our results? (Prof. Alexander Bogachev-Prokofiev, Novosibirsk)
5. Discussion.

14.00 – 15.15, Film Festival on Mitral Valve Surgery

Dr. Hugo Vanermen, Knokke; Dr. Patrick Perier, Bad Neustadt; Dr. Igor Tudorache, Hannover

22.06.2018. Day 2.

8.30 – 10.00, Panel Discussion: Cardiac Surgery

Prof. Axel Haverich (Hannover), Prof. Youry Ostrovskiy (Minsk)

1. Surgical approach in chronic rheumatic mitral valve disease (Enginoev S., Astrakhan, Russia)
2. Minimally invasive direct-vision right minithoracotomy technique for mitral valve repair (Zhyhalkovich A., Minsk, Belarus)
3. Preservation of subvalvular apparatus in biological mitral valve replacement in septuagenarians (Sokolov V.V., Moscow, Russia)
4. Congenital heart disease in adults: frequency, structure, treatment results (Sokolov V.V., Moscow, Russia)
5. Successful heart transplantation after 16 hours of ex-vivo graft perfusion in the organ care system (Medressova A., Astana, Kazakhstan)
6. Long-term experimental results of decellularized mitral valve implantation (Iablonskii P.P., St-Petersburg, Russia)
7. Dichloracetate treatment to prevent the degeneration of biological cardiovascular grafts (Chekhoeva A., Düsseldorf, Germany)

10.15 – 12.15, Plenary Session.

Robotics and Endoscopy in Cardiothoracic Surgery – Step Forward or Step Aside?

1. Endoscopic approach in cardiac surgery. (Dr. Hugo Vanermen, Knokke)
2. Endoscopic approach in thoracic surgery (Dr. Alan Sihoe, Hong Kong)
3. Robotic cardiac surgery. (Dr. Randolph Chitwood, Greenville)
4. Robotic thoracic surgery. (Prof. Piotr Yablonskiy, St-Petersburg)

12.15 – 13.15, Lunch Symposium. Heart Failure: The Role of LVAD

Prof. Youry Ostrovskiy (Minsk), Prof. Youriy Pia, Astana

1. Heartmate 3 experience in Astana. (Prof. Youriy Pia, Astana)
2. Progress in LVAD therapy. (Prof. Youriy Ostrovskiy, Minsk).
3. AVK-N: implantation as a bridge to transplantation (Dr. Timur Khaliulin, Moscow)

13.15 – 15.15, Cardiac Surgery in Elderly Patients.

Prof. Aktchurin (Moscow), Dr. Michael Madani (San Diego), Dr. Igor Chernov (Astrakhan)

1. Transcatheter valve replacement in patients after previous heart surgeries (Prof. Renat Aktchurin, Moscow)
2. Pulmonary thrombendarterectomy in octogenarians. (Dr. Michael Madani, San Diego)
3. Minimally invasive mitral valve surgery in octogenarians. (Dr. Igor Tudorache, Hannover)
4. Off pump CABG in elderly patients. (Dr. Igor Chernov, Astrakhan)
5. Results of cryopreserved allografts implantation in elderly patients. (Dr. Sergei Spiridonov, Minsk)
6. Osaki procedure in elderly patients: questions and answers (Dr. Evgeniy Rosseikin, Penza)

15.30 – 17.30, Hypertrophic Obstructive Cardiomyopathy.

Dr. Paolo Ferrazzi (Monza), Dr. Herbert Gutermann, (Hasselt) Prof. Youry Ostrovskiy (Minsk), Prof. Mikhail Gordeev (St-Petersburg)

1. Actual issues of surgical treatment of HOCM (Prof. Mikhail Gordeev, St-Petersburg)
2. Alcohol septal ablation for HOCM (Dr. Evgeniy Shloido, St-Petersburg)
3. Transaortic mitral valve reconstruction in patients with HOCM. (Dr. Giuseppe Vaccari, Monza)
4. Myoectomy and mitral repair through left atrium. (Dr. Herbert Gutermann, Hasselt)
5. Mitral replacement vs mitral repair in patients with HOCM (Prof. Alexander Bogachev-Prokofiev, Novosibirsk)
6. Early results of 3D-modelled septal myoectomy (Dr. Andruschuk, Minsk)

23.06.2018. Day 3.

8.30 – 10.00, Panel Discussion: Cardiac Surgery

Prof. Axel Haverich (Hannover), Prof. Youry Ostrovskiy (Minsk)

1. Minimally invasive CABG in multivessel coronary artery disease (Isaev M.N., Astrakhan, Russia)
2. Isolation of Left atrium posterior wall and entrances of Vv. pulmonales without opening the heart cavities in patients with coronary heart disease (Vachev S.A., Moscow, Russia)
3. Minimally invasive epicardial radiofrequency ablation in patients with persistent atrial fibrillation: long-term results (Zhyhalkovich A., Minsk, Belarus)
4. Mid-term results of left atrial fragmentation via VATS in patients with a permanent atrial fibrillation (Vachev S.A., Moscow, Russia)
5. Short and long-term results of valve-sparing aortic replacement in type A dissection (Kim G.I., St-Petersburg, Russia)
6. Emergency surgery for acute proximal aortic dissection (Sokolov V.V., Moscow, Russia)
7. Endovascular treatment of acute aortic syndrom (Shloido E.V., St-Petersburg, Russia)
8. Refractory cardiogenic shock: ECMO-assisted cardiopulmonary resuscitation (Petrovich N.A., Minsk, Belarus)

10.15 – 12.15, Plenary Session.

50th Anniversary of Successful Lung Transplantation

1. Titans of Stanford: Development of heart and heart-lung transplantation program (Dr. Stuart Jamieson, San Diego)
2. The history of lung transplantation program in Germany (Prof. Axel Haverich, Hannover)
3. - will be defined - (Prof. Gilbert Massard, Strasbourg)
4. The story of lung transplantation in Russia (Prof. Sergei Gautier, Moscow)
5. - will be defined - (Prof. Vladimir Porkhanov, Krasnodar)

12.15 – 13.15, Lunch Symposium. TAVI

Prof. Aktchurin (Moscow), Prof. Julian Widder (Hannover), Dr. Vladlen Bazylev (Penza)

1. Update on TAVI-International Register Results (Prof. Julian Widder, Hannover)
2. Different surgical approaches for transcatheter treatment of Valvular Heart Disease (Dr. Timur Imaev, Moscow)
3. Our experience of using TAVI-prosthesis with PTFE cusps (Dr. Vladlen Bazylev, Penza)

13.15 – 15.15, Acute Type A Dissection: Extensiveness of Intervention.

Dr. Wolfgang Harringer (Braunschweig), Prof. Youriy Belov (Moscow), Dr. Evgeniy Rosseikin (Penza)

1. • Standard central cannulation for type A aortic dissection. (Dr. Wolfgang Harringer, Braunschweig) **VS**
• Non-standard central cannulation for type A aortic dissection. (Dr. Evgeniy Rosseikin, Penza)
2. • I always try to preserve the aortic valve in type A aortic dissection! (Prof. Kirill Barbukhatti, Krasnodar) **VS**
• Why do I replace the valve in type A aortic dissection (Prof. Youriy Belov, Moscow)
3. • The arch should be replaced! (Prof. Axel Haverich, Hannover) **VS**
• I replace just proximal arch! (Dr. Dmitriy Sirota, Novosibirsk)

15.30 – 17.30, Emergency circulatory support.

Dr. Christian Kühn (Hannover), Dr. Igor Kornilov (Novosibirsk), Prof. Kirill Barbukhatti (Krasnodar)

1. Algorithm of ECMO application in cardiogenic shock (Dr. Igor Kornilov, Novosibirsk)
2. Application of ECMO during CPR. (Dr. Vadim Pasiuga, Astrakhan)
3. Burning issue of transport on ECMO in Russian reality (Dr. Daniil Shelukhin, St-Petersburg)
4. Canulation and weaning strategies in ECMO for hemodynamic failure (Prof. Vitaliy Poptsov, Moscow)
5. Our experience in ECMO therapy for myocarditis (Dr. Aleksander Skopets, Krasnodar)
6. ECMO for postcardiotomy syndrom (Dr. Christian Kühn, Hannover)
7. Perioperative ECMO in acute pulmonary embolism (Dr. Serghei Cebotari, Hannover)