27th Congress of the World Society of Cardiovascular and Thoracic Surgeons
Bridging the Gaps

Programme
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CONGRESS FOUNDERS:
JSC «National Research Center for Cardiac Surgery»

IN COOPERATION WITH:
The World Society of Cardiovascular and Thoracic Surgeons (WSCTS)
The International Society for Minimally Invasive Cardiothoracic Surgery (ISMICS)
The Kazakh Society of Cardiothoracic Surgeons

WITH THE SUPPORT OF:
The Ministry of Healthcare of the Republic of Kazakhstan
The Ministry of Foreign Affairs of Republic of Kazakhstan
Mayor’s Office of Astana
EXPO 2017

CONGRESS VENUE:
The Palace Of Independence.
Address: Astana, Tauelsizdik avenue, 52.

REGISTRATION:
On-site, the Palace Of Independence. from 6 a.m.
Registered participants will be provided with congress kit including scientific program, access to all scientific sessions, master classes and entrance to the exhibition area, lunch, coffee break. The mandatory condition of participation is the registration fee that has to be paid to participate in the Congress.

CONGRESS LANGUAGE—English
Simultaneous translation to Russian

INFORMATION FOR SPEAKERS
Computer and data projector will be available in every room. Use of personal laptop is not allowed. Please bring your slides on an USB-stick to the Speakers room at least one hour prior to the start of the session in order to upload your presentation material to the computer.

MOBILE PHONES:
Congress participants are kindly requested to switch off or keep in silent mode the mobile phones when attending a session.

NO-SMOKING
Smoking is not allowed in the congress rooms and exhibition area.
IMPORTANT DATES

OPENING CEREMONY
September 1, 2017
09:00-10:30, Room 1

WELCOME RECEPTION
September 1, 2017
17:30-18:30, Hall, Palace of Independence

GALA DINNER
September 2, 2017
19.00 -22.00, “Astana Opera” Opera and Ballet Theatre, 1 Kunayev Str.
Admission will be by ticket only which must be paid separately from
registration fee onsite.
Price 50$ per person.

THE WSCTS ANNUAL GENERAL MEETING
September 2, 2017
14:30-16:30, Oval Room

THE WSCTS STEERING COMMITTEE MEETING
September 3, 2017
12:30–14:30, Oval Room

CLOSING CEREMONY
September 3, 2017
14:30-15:10, Room 1
WSCTS 2017 Best Oral Presentation Award
WSCTS 2017 Best Poster Presentation Award
## CARDIAC SURGERY

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<td>11:00-13:00 Plenary Session</td>
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<tr>
<td>14:00-16:00 Session Minimally invasive cardiac surgery</td>
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<td>14:00-15:00 Session Pulmonary hypertension</td>
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<td>15:30-16:30 Session Aortic surgery</td>
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<td>15:30-17:45 Session New strategies in cardiac surgery</td>
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<td>08:00-15:30 Session Congenital heart diseases and pediatric cardiac surgery</td>
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<td>14:00-17:30 Session Aortic valve surgery</td>
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<tr>
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<td>14:00-17:00 Session TAVI</td>
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<td>08:00-13:00 Session ECMO</td>
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<tbody>
<tr>
<td>08:00-13:00 Session Coronary heart disease</td>
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## THORACIC SURGERY

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<tr>
<td>08:30 - 10:30 Session Thoracic surgery with ISMICS</td>
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## PROGRAMME OVERVIEW

### CARDIOLOGY

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### SPECIAL INTEREST GROUP

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September 1, 2017  
Moderator: Prof. Almaz Sharman (Kazakhstan)  
President of Academy of Preventive Medicine  
09:00–10:30, Room 1

09:00-09:10 Welcome speech by Dr. Elzhan Birtanov, Minister of Public Health of the Republic of Kazakhstan

09:10-09:20 Welcome speech by Dr. Stuart Jamieson, Chancellor of the WSCTS

09:20-09:30 Presidential Address WSCTS by Dr. Robert Kleinloog

09:30-09:40 Welcome speech by Dr. Anson Cheung, President of the ISMICS

09:40-09:50 Welcome speech by the Honoured Guest, Prof. Oscar Frazier

09:50-10:20 Lecture by the Honoured Guest, Prof. Anthony Nobles

10:20-10:30 Welcome speech by Dr. Yuriy Pya, Chairman of the WSCTS 2017
CLOSING CEREMONY

September 3, 2017
14:30-15:10, Room 1

14:30-14:40   Closing Speech by Dr. Stuart Jamieson, Chancellor of the WSCTS

14:40–14:50   WSCTS 2017 Best Oral Presentation Award

14:50–15:00   WSCTS 2017 Best Poster Presentation Award

15:00–15:10   Closing Speech by Dr. Yuriy Pya, Chairman of the WSCTS 2017
THE BOARD OF THE ASSOCIATION

Chancellor  
S. Jamieson  San Diego, CA, USA

Vice Chancellor  
S. Prapas  Athens, Greece

President  
R. Kleinloog  Durban, S. Africa

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F. Robicsek  Charlotte, NC, USA

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H. Osada  Kawasaki, Japan

M.Villafana  Minnesota, USA

R. Hetzer  Berlin, Germany

K.M. Cherian  Chennai, India

N. Stolf  São Paulo, Brazil
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<td>Yuriy Pya</td>
<td><strong>Congress Chairman</strong>&lt;br&gt;CEO, National Research Center for Cardiac Surgery</td>
</tr>
<tr>
<td>Makhbhat Bekbossynova</td>
<td>First Deputy Chair, National Research Center for Cardiac Surgery</td>
</tr>
<tr>
<td>Gulmira Nurmakhanova</td>
<td>Deputy Chair, National Research Center for Cardiac Surgery</td>
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<tr>
<td>Kanybek Ashirov</td>
<td>Deputy Chair, National Research Center for Cardiac Surgery</td>
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<tr>
<td>Marat Zhuzenov</td>
<td>Executive Director, National Research Center for Cardiac Surgery</td>
</tr>
<tr>
<td>Gulnur Nadirbekova</td>
<td>Director of Nursing, National Research Center for Cardiac Surgery</td>
</tr>
<tr>
<td>Serik Alimbaev</td>
<td>Head of Interventional Department, National Research Center for Cardiac Surgery</td>
</tr>
<tr>
<td>Ermagambet Kuatbayev</td>
<td>Head of Cardiac Surgery Department, National Research Center for Cardiac Surgery</td>
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<tr>
<td>Timur Lesbekov</td>
<td>Head of Cardiac Surgery Department 1, National Research Center for Cardiac Surgery</td>
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<tr>
<td>Ayan Abdrahmanov</td>
<td>Head of Department of interventional Arrhythmology, National Research Center for Cardiac Surgery</td>
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<td>Tairkhan Dautov</td>
<td>Head of Department of radiology and nuclear medicine, National Research Center for Cardiac Surgery</td>
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<tr>
<td>Assel Mazhibayeva</td>
<td>Head of Marketing and Business Development Department, National Research Center for Cardiac Surgery</td>
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<tr>
<td>Aliya Salybayeva</td>
<td>Head of Research Management Department, National Research Center for Cardiac Surgery</td>
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<tr>
<td>Altai Nabiev</td>
<td>Head of Strategic Development Department</td>
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Thursday, August 31

**CARDIAC SURGERY**

**Location:**
“National Research Center for Cardiac Surgery”
Simulation center

**Group A 08:00–12:15**
**Group B 12:15–17:15**
“CANNULATION FOR ECMO”
Timur Lesbekov
National research center for cardiac surgery, Astana, Kazakhstan

**09:00–12:00**
“ANASTOMOTIC SKILLS LAB”
Paul Sergeant
Gasthuisberg University Hospital, Leuven, Belgium

**13:00–14:30**
“MITRAL VALVE REPAIR SKILLS LAB”
Paul Sergeant
Gasthuisberg University Hospital, Leuven, Belgium

**15:00–19:00**
“AORTIC SKILLS LAB”
Paul Sergeant
Gasthuisberg University Hospital, Leuven, Belgium

**Location:**
“National Research Center for Cardiac Surgery”

**08:00-17:00**
“IMPLANTATION OF HEARTMATE III”
Walter Dembitsky
Sharp Memorial Hospital, San Diego, USA

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**August 29-31 PEDIATRIC CARDIOLOGY AND CARDIAC SURGERY**

**Location:**
“National Research Center for Cardiac Surgery”

**08:00-13:00**
“SURGICAL CORRECTION OF RESIDUAL CONDITIONS AFTER HEART SURGERIES ON CHILDREN”
Gerhard Ziemer
The University of Chicago Medical Center, Chicago, USA

**08:00-13:00**
“TREATMENT AFTER VALVE IMPLANTATION OF PULMONARY ARTERY”
Frank Ing
Children's Hospital Los Angeles, LA, USA

**08:00-13:00**
“SURGICAL TREATMENT OF CORRECTED TRANSPOSITION OF GREAT VESSELS (PART 2)”
George Frenkel
Schneider Children's Medical Center, Petach Tikvah, Israel
Location:

“National Research Center for Cardiac Surgery”

08:00-13:00

“CLINICAL ASPECTS OF THE CEREBRAL AND TISSUE OXYMETRY”

Danil Shelukhin
Nikiforov Russian Center of Emergency and Radiation Medicine,
St. Petersburg, Russia

August 22-23

II CONGRESS OF ELECTROPHYSIOLOGY AND CARDIAC PACING

Location:

“National Research Center for Cardiac Surgery”

08:00-13:00

Live case: TV translation from EP lab “IMPLEMENTATION OF LEADLESS PACEMAKER”

Faisal Al Smadi
King Fahd Medical City – King Salman Heart Center Riyadh, Saudi Arabia
Yurly Pya
National Research Center for Cardiac Surgery, Astana, Kazakhstan
Ayan Abdakhmanov
National Research Center for Cardiac Surgery, Astana, Kazakhstan
Abay Baktyzhanuly
National Research Center for Cardiac Surgery, Astana, Kazakhstan

Thursday, August 31

II CONGRESS OF ELECTROPHYSIOLOGY AND CARDIAC PACING

Location:

“National Research Center for Cardiac Surgery”

09:00–13:00

Live case: TV translation from EP lab “CRYOBALLON ABLATION OF ATRIAL FIBRILLATION WITH MINIMAL FLUOROSCOPY”

James Reiss
Peace Health Southwest medical center, Vancouver, USA
Ayan Abdakhmanov
National Research Center for Cardiac Surgery, Astana, Kazakhstan
Omirkbek Nuralinov
National Research Center for Cardiac Surgery, Astana, Kazakhstan
Abay Baktyzhanuly
National Research Center for Cardiac Surgery, Astana, Kazakhstan

14:00–17:00

Live case: TV translation from EP lab “EXTRACTION OF ENDOCARDIAL ELECTRODES”

Christian Wollmann
University Heart Center, Graz, Austria
Ayan Abdakhmanov
National Research Center for Cardiac Surgery, Astana, Kazakhstan
Azat Tursynbekov
National Research Center for Cardiac Surgery, Astana, Kazakhstan
Location:
“National Research Center for Cardiac Surgery”
Simulation center

09:00–13:00
Training on the simulator “IMPLANTATION OF THE LEFT VENTRICLE ELECTRODE”
Omirbek Nuralinov
National Research Center for Cardiac Surgery, Astana, Kazakhstan
Ayan Abdrahmanov
National Research Center for Cardiac Surgery, Astana, Kazakhstan

14:00–17:00
Technique for performing “TRANSSEPTAL PUNCTURE”
Alikhan Baidauletov
National Research Center for Cardiac Surgery, Astana, Kazakhstan
Ayan Abdrahmanov
National Research Center for Cardiac Surgery, Astana, Kazakhstan
11:00-13:00  PLENARY SESSION

MODERATORS: Oscar Frazier (USA), Yuriy Pya (Kazakhstan), Stuart Jamieson (USA)

11:00-11:15
Current applications and further advancement of mechanical circulatory support
Oscar Frazier
Texas Heart Center, Houston, USA

11:15-11:30
Pulmonary Thromboendarterectomy
Stuart Jamieson
University of California, USA

11:30-11:45
Historical Evolution of Coronary Surgery: How Does the Future Look?
Federico Benetti
Benetti Foundation, Rosario, Argentina

11:45-12:00
Grown-up Congenital Heart Disease (GUCH) - An Emerging Problem in Cardiac Surgery
Marko Turina
University of Zurich, Switzerland

12:00-12:15
Universal chordal-sparing mitral valve replacement: 20 years of clinical experience
Sergey Dzemeshkevich
Russian Research Center of Surgery of B. Petrovskiy, Russia

12:15-12:30
Why Can We Train Young Guys to Fly Super Jets But Not to Operate Complex Procedures
Paul Sergeant
Gasthuisberg University Hospital, Leuven, Belgium

12:30-12:45
WSCTS Eponymous Lecture: The Zamvar Pericardial Fold
Vipin Zamvar
Royal Infirmary of Edinburgh, Edinburgh, United Kingdom

12:45-13:00
Analyses of 30 Lung Transplant Cases: Initial Single Center Experience from Turkey
1Turkiye Yuksek Ihtisas Training and Research Hospital, Thoracic Surgery and Lung Transplantation Clinic, Ankara, Turkey, 2Suat Seren Training and Research Hospital, Department of Chest Diseases, Izmir, Turkey, 3Turkiye Yuksek Ihtisas Training and Research Hospital, Department of Anesthesiology, Ankara, Turkey, 4Turkiye Yuksek Ihtisas Training and Research Hospital, Anesthesiology and Intensive Care Unit,
14:00-16:00 Session MINIMALLY INVASIVE CARDIAC SURGERY Room 1

MODERATORS: Ludwig Mueller (Austria), Jan Gummert (Germany)

14:00-14:15
3D Enabled Totally Endoscopic Surgery is Superior for Teaching Minimally Invasive Mitral Valve Repair
Ludwig Mueller
Univ. Klinik für Herzchirurgie, Innsbruck, Austria

14:15-14:30
Minimally Invasive CABG with BITAS - A Chronological Review
Pradeep Nambiar, Sanjay Kumar. Moolchand Hospital, Gurgaon, India, Benares Hindu University, Benares, India.

14:30-14:45
Transapical Off-Pump Mitral Valve Repair with Implantation of Artificial Chordae: Single Centre Midterm Results (Case Series of 78 Patients)

14:45-15:00
Early and Mid-term Results of Randomized Trial MICSREVS - Direct, Indirect and Intangible Costs
Aliaksandar A. Ziankou, Mikalaj Laiko, Kyril Vykhrystsenka, Vjacheslav Chuyashou, Aliaksandru Zhyhalkovich, Yuri Ostrovsky. 1Vitebsk Regional clinical hospital, Vitebsk State Medical University, Vitebsk, Belarus, 2Republic Research-Practical Center "Cardiology", Minsk, Belarus.

15:00-15:15
Right Anterior Thoracotomy for Aortic Valve Surgery: Evolution of Myocardial Protection Strategies
Arthur Martella, III, AtiqRehman. Our Lady of Lourdes Medical Center, Camden, PA, USA.

15:15-15:30
Bio-Bentall Procedure in Aortic Root Pathology Using Both Full or Mini Sternotomy
Elisa Mikus, Simone Calvi, Marco Paris, Alberto Tripodi, Marco Panzavolta, Mauro Del Giglio.
Maria Cecilia Hospital, Cotignola (RA), Italy.

15:30-15:45
Aortic Valve Replacement through a Right Mini-Thoracotomy: Single Center Experience
Mauro Del Giglio, Elisa Mikus, Marco Panzavolta, Marco Paris, Diego Magnano, Simone Calvi.
Maria Cecilia Hospital, Cotignola (RA), Italy.
15:45-16:00
Cor-Knot, an Automated Knot-Tying Device: First Experience in Asia
Evangelos Papadimas, Mohammad Armane Wadud, Peggy Hu, Theo Kofidis.
National University Hospital, Singapore, Singapore.

14:00-15:00 Session PULMONARY HYPERTENSION Room 4

MODERATORS:
Stuart Jamieson (USA), Michael Madani (USA)

14:00-14:15
Pulmonary Endarterectomy
Michael Madani
University of California, San Diego, USA

14:15-14:30
Pulmonary Artery Radiofrequency Denervation for the Treatment for Patients with Residual Thromboembolic Pulmonary Hypertension
Alexander Chernyavskiy
Siberian Federal Biomedical Research Center of E. Meshalkin, Russia

14:30-14:45
10-year Outcomes After Pulmonary Thromboendarterectomy
Alexander Edemskiï¹, Alexander Chernyavskiy¹, Natalya Novikova¹, Alexandra Tarkova¹, Mikhail Chernyavskiy².
¹Siberian Federal Biomedical Research Center, Novosibirsk, Russian Federation,
²Federal Almazov North-West Medical Research Centre, S-Peterburg, Russian Federation.

14:45-15:00
Quality of Life in Children with Different Pulmonary Hypertension Forms
National Research Cardiac Surgery Center, Astana, Kazakhstan.

15:30-16:30 Session AORTIC SURGERY Room 4

MODERATORS: Jan Pirk (Czech Republic), Alexandr Chernyavskiy (Russia)

15:30-15:45
Exstent, a Completely New Method of Treatment of Patients with Marfan Syndrome
Jan Pirk
Institute of Clinical and Experimental Medicine in Prague, Czech Republic

15:45-16:00
Implantation of the Aortic Root into the Prosthesis - a New Convolution of the Aortic Surgery: From Complex to Simple
Alexandr Chernyavskiy
Siberian Federal Biomedical Research Center of E. Meshalkin, Novosibirsk, Russia
16:00-16:15
Aortic Root Surgery from Bentall Operation to Ozaki
Roman Komarov
First Moscow State Medical University of I. Sechenov, Russia

16:15-16:30
Aortic Allograft Decellularization Techniques Efficacy: Laboratory Results
Mikalai Shchatsinka¹, Siarhei Spirydonau², Vitali Adzintsov³, Aliaksandr Shket³, Mikalai Yurkshtovich², Volha Yudzina², Raisa Smaliakova⁴, Alena Suboch⁵, Svetlana Dryk⁶, Yury Ostrovsky⁷.
¹RSPC Cardiology, Minsk, Belarus, ²Belarusian State University, Minsk, Belarus, ³City Clinical Patholoanatomatnic Bureau, Minsk, Belarus, ⁴N.N. Alexandrov National Cancer Centre, Minsk, Belarus, ⁵9th City Clinical Hospital, Minsk, Belarus.

15:30-17:45 Session NEW STRATEGIES IN CARDIAC SURGERY
Room 5

MODERATORS: Walter Dembitsky (USA), Vipin Zamvar (United Kingdom)

15:30-15:45
A Warfarin Free Mechanical Heart Valve By Design and Material
Walter Dembitsky.
Sharp Hospital, Del Mar, CA, USA.

15:45-16:00
Surgical Management of Deep Sternal Wound Infection with Longitudinal Sternal Reconstruction Following Heart Surgery
Jeko M. Madjarov¹, Michael G. Katz², Joseph T. McGinn¹, Svetozar Madzharov¹, Francis Robicsek¹.
¹Sanger Heart & Vascular Institute, Charlotte, NC, USA, ²Mount Sinai School of Medicine, New York, NY, USA.

16:00-16:15
Sutureless Aortic Valve Implantation: First Asian Experience
Jian Wei Tan¹, Jianye Chen¹, Saideep Bose², DucThang Vu², Theo Kofidis².
¹Yong Loo Lin School of Medicine, National University of Singapore, Singapore, Singapore, ²Department of Cardiac, Thoracic and Vascular Surgery, National University Heart Centre, Singapore, Singapore.

16:15-16:30
Robotical Approaches in Cardiac Surgery
Husam H. Balkhy
University of Chicago Medicine, Chicago, Illinois

16:30-16:45
Evaluation of the Aortic Valve Leaflet Reconstruction Using Autologous Pericardium by 3D Hologram Created A Novel Workstation VisalIsus 3D
Takeo Tedoriya, Kenichi Kamiya, Tadamasa Miyauchi, Masaomi Fukuzumi.
Ageo Central General Hospital, Saitama, Japan.

16:45-17:00
Totally Thoracoscopy Cardiac Surgery are Successfully Carried Out in more than 1200 Cases
Zeng Shan Ma
Qilu Hospital of Shandong University, China
17:00-17:15
Does Novel Cardiac Biomarker Can Predict Cardiac-related Complication After Open Heart Surgery
Vadim Shumavets, Marina Kaljadka, Irina Russkikh, Ihar Andraloits, Marina Busjkevich, Alena Lisjonok, Yuory Ostrovski.
Brlarus Centre Cardiology, Minsk, Belarus.

17:15-17:30
Conservative Pro-erythrogenic Therapy in Ultra-Restrictive Patient Blood Management in Cardiac Surgery
Pierre R. Tibi, MD, Jared Head, NP, Jeff Anderson, PhD.
Yavapai Regional Medical Center James Family Heart Center, Prescott, AZ, USA.

17:30-17:45
Virtual Reality in Cardiac Surgery
Dariusz Dudek, Mateusz Kierepka
University Hospital Cracow, Poland
MedApp S.A. and Mad Scientist, Poland
MODERATORS: Gerhard Zieme (USA), Arnt E. Fiane (Norway)

08:00-08:15
Conversion Surgery 27 years After Bjoerk-Fontan operation: Bidirectional ventricular quintuple valve Fontan (video presentation)
Gerhard Zieme
Heart University of Chicago Medical Center, USA

08:15-08:30
Congenital Non-fenestrated Extracardiac Conduit Fontan: One Center Experience
Dmitriy Gorbunov
National Research Center for Cardiac Surgery, Astana, Kazakhstan

08:30-08:45
Total Cavo-Ventricular anastomosis (video presentation)
Gerhard Zieme
Heart University of Chicago Medical Center, USA

08:45-09:00
Our 4 Year Experience of Pediatric Cardiac Surgery
Daulet Zhakipbayev, Oraz Mukashev, Adil Dyurzhanov (PhD), Timur Raimkhanov, Renat Sarin, Yerlan Ordabayev, Arman Bayshin, Dauren Antikeyev, Assem Sarseekeyeva, Yelena Khagay, Zukhra Mendi-bayeva.
Pavlodar Regional Cardiological Center, Pavlodar, Kazakhstan.

09:00 - 09:15
15 Years’ Experience with Fontan Operation
Vitali Pak, Luigi Arcieri, Vincenzo Poli, Daniyar Gilmanov, Bruno Murzi.
Pediatric Cardiac Surgery Department, Ospedale del Cuore, Tuscany Foundation Gabriele Monasterio, Massa, Italy.

09:15-09:30
Long-term Results of the Transatrial-Transpulmonary Approach: Are We Doing Better?
Elisabeth MJP Mouws, Natasja MS de Groot, Ad JJC Bogers.
Erasmus Medical Center, Rotterdam, Netherlands.

09:30-09:45
RVOT reconstruction in TOF: Baku experience
Rashad Mahmudov
Baku Heart Center, Baku, Azerbaijan

09:45-10:00
Pulmonary Autograft Operations: 20-Years’ Experience
Alexander Romanjuk1, Asya Avetyan1, Illya Yemets1, Nadezhdz Rudenko1, 1P.L. Shupyk National Medical Academy of Postgraduate Education (NMAPE), Kyiv, Ukraine, 1Ukrainian Children's Cardiac Center, Kyiv, Ukraine.

10:00-10:30
Discussion

10:30-11:00
Coffee break
MODERATORS: Rainer Kozlik-Feldmann (Germany), Birk Einat (Israel), Vitali Pak (Germany)

11:00-11:15
Repair of congenital mitral valve defects in children
Eva Delmo Walter
Medizinische Hochschule Hannover, Germany

11:15-11:30
New Surgical Technique in Treatment of Aneurysm Sinus Of Valsalva
Khakimjon Abralov, Amonjon Alimov.
Republican Specialized Center of Surgery named after academician V. Vakhidov, Tashkent, Uzbekistan.

11:30-11:45
Surgical Management of Atrial Septal Defect Device Complications
Santosh Kumar.
Meenakshi Mission Hospital and Research Centre, Madurai, India.

11:45-12:00
SVC Syndrome from Innominate Vein/Superior Vena Cava/Right Atrium/Right Ventricular Outflow Tract Tumor Thrombus: Tumor Debulking in a 16 Year Old (video presentation)
Gerhard Ziemer
Heart University of Chicago Medical Center, USA

12:00-12:15
Venous Recanalization and Rehabilitation
Frank Ing
Children’s Hospital Los Angeles, LA, USA

12:15-12:30
Clinical experience with Amplatzer Duct Occluder II Additional Sizes for transcatheter occlusion of PDAs in 127 cases
Fizuli Abasov¹, Pavel Gavara², Osman Makhachev³, Manolis Pursanov³, Aydar Khamidullin⁴, Marat Bikmullin⁴, Madina Badrudinova⁴, Azamat Mamaev⁴, Gadji Aliev⁴, Akhmedkhan Shakhnovazov⁴, Radis Garave⁴, Marjam Magomedova⁴, Dmitriy Bombin⁴.
¹Dagestan Center for Cardiology and Cardiovascular Surgery, Makhachkala, Russian Federation, ²Center for Cardiology and Cardiovascular Surgery, Slovakia, Bratislava, Slovakia, ³A.N. Bakoulev Scientific Center for Cardiovascular Surgery, Moscow, Russian Federation, ⁴Children’s Republican Clinical Hospital of the Ministry of Health of the Republic of Tatarstan, Kazan, Russian Federation, ⁵Rostov Regional Hospital, Rostov-on-Don, Russian Federation.

12:30-12:45
Stent Implantation of Branch Pulmonary Artery Stenosis in Children with Congenital Heart Disease after Cardiac Surgical Correction
Saule Kadirova
National Research Center for Cardiac Surgery, Astana, Kazakhstan

12:45-13:00
Spinal anesthesia for non-cardiac surgery in neonates and infants with congenital heart diseases
Ludmila Kachko,
Tel Aviv University, Tel Aviv, Israel
13:00-14:00
Lunch

MODERATORS: Frank Ing (USA), Dmitriy Gorbunov (Kazakhstan)

14:00-14:15
Challenges for the care of adults with congenital heart defects
Rainer Kozlik-Feldmann
University Heart Center Hamburg, Germany

14:15-14:30
Hybrid Stenting for the Right Ventricle Outflow Tract In Infants With Critical Obstruction And Multiple Congenital Comorbidities.
Pavel V. Teplov, Evgeniy V. Sahnov, Alexey S. Ilin, Valeriy A. Sakovich.
Federal Center of Cardio-vascular Surgery, Krasnoyarsk, Russian Federation.

14:30-14:45
Pediatric HTx
Arnt E. Fiane
Oslo University Hospital, Oslo, Norway

14:45-15:00
Re-HTx
Arnt E. Fiane
Oslo University Hospital, Oslo, Norway

15:00-15:15
Fenestration closure in Fontan circulation: hemodynamic basis for decision making
Birk Einat
Schneider Childrens Medical Center of Israel, Petah-Tikva, Israel

15:15-15:30
Structure and Prevalence Of Congenital Heart Disease In Children In The Pavlodar Region.
Pavlodar Regional Cardiological Center, Pavlodar, Kazakhstan.

08:00-13:00 Session HEART FAILURE Room 1

MODERATORS: Sergey Dzemeshkevich (Russia), Jan Pirk (Czech Republic), Roland Hetzer (Germany)

08:00-08:10
Presentation of book “Heartbeat”
Sergey Dzemeshkevich
Russian Research Center of Surgery of B. Petrovskiy, Moscow, Russia

08:10-08:25
Combined heart and liver transplantation: Mayo Clinic experience and immunologic Benefits
Richard C. Daly
Mayo Clinic, Rochester, USA
08:25- 08:40
Heart Transplant in the Gulf Region
Feras Bader
Cleveland Clinic, Abu Dhabi, UAE

08:40-08:55
Heart Failure Surgical Treatment
Maqsood Elahi
CardiacEye International Foundation, Lahore, Pakistan

08:55-09:10
Heart transplantation program in Kazakhstan
Serik Bekbossynov
National Research Center for Cardiac Surgery, Astana, Kazakhstan

09:10 - 09:25
Perioperative Period In Heart Transplantation From Donors With Low Left Ventricle Ejection Fraction
Shumakov Federal Scientific Centre of Transplantology and Artificial Organs, Moscow, Russian Federation, Moscow, Russian Federation.

09:25-09:40
Bridge to Transplant In Patients With Cardiogenic Shock. Ecls or Bvad?
Sandro Sponza, Veronica Ferrara, Andrea Lechiancole, Massimo Maiani, Chiara Nalli, Guzzi Giorgio, Ugolino Livi.
 Udine University Hospital, Udine, Italy.

09:40 - 09:55
Are There Stem Cell Therapies Available for Damaged Heart in Heart Failure?“
Maqsood Elahi
CardiacEye Intenatrimonial Foundation, Lahore, Pakistan

10:10-10:25
Ex Vivo Allograft Perfusion and Conditioning For Heart Transplantation: Single Centre 1- Year Follow-up
National Research Center for Cardiac Surgery, Astana, Kazakhstan.

10:25 - 10:40
The Complex Monitoring for Diagnostic Heart Rejection after Transplantation
Mahabbat Bekbossynova, Yurii Pya, Saltanat Jetibayeva, Gulzhan Myrzhmetova, Saltanat Andossova, Murat Mukarov.
National Research Center for Cardiac Surgery, Astana, Kazakhstan.

10:40-11:00
Coffee break
MODERATORS: Walter Dembtsky (USA), Latif Arusoglu (Germany), Richard C. Daly (USA)

11:00 - 11:15
Changes in Dynamics of Laboratory and Echocardiography Features after Ventricular Assist Devices Support Before Heart Transplantation
Valeriya Krachak, Liana Shestakova, Dzmitry Krachak, Youry Ostrovsky.
RSPC Cardiology, Minsk, Belarus.

11:15 - 11:30
Mechanical Circulatory Support Before and after Heart Transplantation: Impact On Survival
Giuseppe M. Raffa, Gabriele Di Gesaro, Sergio Sciaccia, Giovanna Panarello, Francesco Clemenza, Michele Pilato.
IRCCS-ISMETT (Istituto Mediterraneo per i Trapianti e Terapie ad alta specializzazione), Palermo, Italy.

11:30-11:45
The Development of Mechanical Circulatory Support Since 1987
Roland Hetzer
Cardio Centrum, Berlin, Germany

11:45-12:00
VAD program in Kazakhstan
Assel Medressova
National Research Center for Cardiac Surgery, Astana, Kazakhstan

12:00-12:15
VAD & TAH technique and case report
Latif Arusoglu
University of Bochum, Germany

12:15-12:30
Mechanical Circulatory Support Versus Heart Transplant in End-Stage Heart Failure
Feras Bader
Cleveland Clinic, Abu Dhabi, UAE

12:30 - 12:45
Surgical Right Ventricle Restoration After Endomiocardial Fibrosis Resection
Marco Turrisi, Giuseppe M. Raffa, Chiara Minà, Michele Pilato.
IRCCS-ISMETT (Istituto Mediterraneo per i Trapianti e Terapie ad alta specializzazione), Palermo, Italy

12:45 - 13:00
Discussion

13:00-14:00
Lunch
MODERATORS: Sergey Dzemeshkevich (Russia), Marko Turina (Switzerland)

14:00-14:15
Surgical Aortic Valve Replacement in the Elderly: a Single Center Single Surgeon Retrospective Series From Durban, South Africa
Robert Kleinloog, Darshan Reddy.
Ethekwini Heart Center, Durban, South Africa

14:15-14:30
In-hospital Outcomes of Aortic Valve Replacement Performed by Trainees; A multicenter study
Jennifer L. Whiteley¹, Kasra Shaikhrezai³, Gwyn Beattie¹, Karim Morcos¹, Vipin Zamvar², Graham Cooper¹, Steven Hunter¹, Geoffrey Berg¹.
¹Golden Jubilee National Hospital, Greater Glasgow, United Kingdom, ²Edinburgh Royal Infirmary, Edinburgh, United Kingdom, ³Sheffield Teaching Hospitals NHS Foundation Trust, Sheffield, United Kingdom.

14:30-14:45
Trends in Clinical Practice Of Aortic Valve Replacement Since The Introduction Of Transcatheter Aortic Valve Implantation: A Northern Ireland Experience
Tinrui Toh, Umar Imran Hamid, Anne Gregg, Chris Austin, OnyekweluNzewi, Colum Owens, Nicola Johnston, Ganesh Manoharan, Mark Spence, Reuben Jeganathan.
Royal Victoria Hospital, Belfast, United Kingdom.

14:45-15:00
Is Age A Factor For Refusal Of Aortic Valve Replacement Surgery? The Results from Our Center in Patients over 80 Years-old
Tiago R. Velho, Hugo Ferreira, Catarina Carvalheiro, Nádia Junqueira, André Sena, Joana Silva, Nuno Guerra, Javier Gallego, Ângelo Nobre.
Hospital de Santa Maria, Lisboa, Portugal.

15:00-15:15
Correction of Narrow Ostium of Aorta During Aortic Valve Replacement In Adults: Choice Of Surgical Method
Konstantin Vakulenko, M.D., Volodymyr Popov, M.D., Ph.D,Oleksandr Bolshak, M.D., Vasyl Lazorishinets, M.D., Ph.D.
National Institute of cardio-vascular surgery named after Amosov, Kiev, Ukraine.

15:15-15:30
Five Year Haemodynamic Performance of the Trifecta Aortic Prosthesis in 1 Octogenarians
Benjamin Adams, Prity Gupta, Mohamed Bashir, Amer Harkey, Shirish Amberkar, Rakesh Uppal, Kulvinde rLall.
Barts Heart Centre, London, United Kingdom.

15:30-16:00
Discussion

16:00-16:30
Coffee break
16:30-16:45
Isolated Aortic Valve Repair. Baku Experience
Kamran Kazimoglu Musayev
Baku Central Clinic Hospital, Baku, Azerbaijan

16:45-17:00
The Effect of Remote Ischemic Conditioning on Myocardial Damage During Aortic Valve Replacement Surgery
Dmitry Sevrukevitc, Vasily Sevrukevitc, Kiril Rubakhov, Veronika Barsukevich, Alexander Mrochek.
Scientific and Practical Centre, Minsk, Belarus.

17:00-17:15
Predicting Ascending Aortic Dilatation: Differences between Bicuspid Aortic Valve and Tricuspid Aortic Valve Patients
Giuseppe M. Raffa, Cesare Scarfella, Michele Pilato, Michele Pilato, Salvatore Pasta.
IRCCS-ISMETT (Istituto Mediterraneo per iTrapianti e Terapie ad altaspecializzazione), Palermo, Italy.

17:15-17:30
Ozaki procedure for aortic valve and root reconstruction
Evgeny Rosseykin
Federal center of cardiovascular surgery, Penza, Russia

08:00-10:30  Session MITRAL VALVE SURGERY  Room 3

MODERATORS:
Jan Gummert (Germany), Kestutis Rucinskas (Lithuania)

Live case MICS +COR KNOT (TV-translation)
Ludwig Mueller
Yermagambet Kuatbayev
Univ. Klinik für Herzchirurgie, Austria
National Research Center for Cardiac Surgery, Astana, Kazakhstan

08:00-08:20
Pathoanatomic Findings and Treatment During Hypertrophic Obstructive Cardiomyopathy Surgery: The Role Of Mitral Valve
Giuseppe M. Raffa, Marco Turrisi, Giuseppe Romano, Michele Pilato.
IRCCS-ISMETT (Istituto Mediterraneo per iTrapianti e Terapie ad altaspecializzazione), Palermo, Italy.

08:20-08:40
Minimal Invasive Mitral Valve Repair
Jan Gummert
Klinik für Thorax- und Kardiovaskularchirurgie, Bad Oeynhausen, Germany

08:40-09:00
Off Pump Mitral Valve Surgery: Still Deep Diving
Kestutis Rucinskas, MD
Vilnius University Hospital Santariškių Klinikos, Vilnius, Lithuania
09:00-09:20
Conventional and Minimally Invasive Approaches in the Surgery of Mitral Valve Dysplasia
D. Kondratyev, D. Kozmin, D.Tungusov, S. Makeev, S. Enginoev, Y. Martyanova, I.Chernov, D.Tarasov
*Federal Center of Cardiovascular Surgery; Astrahan State Medical University Russia*

09:20 - 09:40
The ten commandments of mitral valve disease
Javier Castillo
*The Mount Sinai Hospital, New York, USA*

09:40-10:00
Robot Assisted Mitral Valve Repair: Mayo Clinic Experience
Richard C. Daly
*Mayo Clinic, Rochester, USA*

10:00-10:30
Discussion

10:30-11:00
Coffee break

14:00-17:00  Session TAVI  Room 3

**MODERATORS:** Peter Andreka (Hungary), Serik Alimbayev (Kazakhstan), Renat Akchurin (Russia)

14:00-14:15
TAVR of Patients with Severe Left Ventricular Dysfunction
Peter Andreka
*Gottsegen Hungarian Institute of Cardiology, Budapest, Hungary*

14:15-14:30
TAVI in Russian Federation: state of the art.
Renat Akchurin, Timur Imayev
*Institute of clinical cardiology of L. Myasnikov, Moscow, Russia*

14:30-14:45
Retrospective Time Series Analysis on the Use of Standard Biological Aortic Valve Implantation vs TAVI
Beatrice Desirée Calabrese¹, Katy Pelagagge², Yermek Akhmetov⁴, Piergiorgio Minotti⁵, Mihaela Dubinski⁶, Filippo Bartoccioni⁷.
¹HTAcamp, Viterbo, Italy, ²Astana Medical University, Astana, Kazakhstan, ³Asl Viterbo, Viterbo, Italy.

14:45-15:00
PCI after TAVR procedure
Peter Andreka
*Gottsegen Hungarian Institute of Cardiology, Budapest, Hungary*

15:00-15:15
Clinical case TF TAVI
Abdurashid Musayev
*National Research Center for Cardiac Surgery, Astana, Kazakhstan*
15:15-15:30
Corevalve Evolut-R Transcatheter Aortic Valve Implantation - Experience of
“National Research Center For Cardiac Surgery”
Serek Alimbayev, Abdurashid Mussayev, Timur Lesbekov, Yuriy Klochan, Marat
Aripov, Lazzat Abikeeva, Aigerim Sadykova, Rimbay Kaliyev, Yuriy Pya.
National Research Cardiac Surgery Center, Astana, Kazakhstan.

15:30-15:45
“3rd generation TAVI devices - exciting tools for cardiac surgeons”
Hermann Reichenspurner
University Hospital Eppendorf, Germany

15:45-16:00
Discussion

16:00-16:30
Coffee break

16:30-16:45
How Many TAVI Should be Used in 1 Year? Case Study on an Inappropriate Use
of TAVI
Filippo Bartocchioni¹, Mihaela Dubinski², Beatrice Desirée Calabrese³, Yermek
Akhetmetov¹, Piergiorgio Minotti², Katy Pelagagge².
¹Asl Viterbo, Viterbo, Italy, ²Htacamp, Viterbo, Italy, ³Astana Medical University,
Astana, Kazakhstan

16:45-17:00
Clinical case TAVI APEX CLOSER DEVICE
Timur Lesbekov
National Research Center for Cardiac Surgery, Astana, Kazakhstan

08:00-13:00  Session ECMO  Room 7

MODERATORS: Aly El Banayosy (USA), Pascal Le Prince (France)

08:00-08:15
Cardiogenic Shock and ECMO: Why Do We Need a Better Definition?
Pascal Le Prince
Paris public assistance hospital, Paris, France

08:15-08:30
ECMO HUB Service in Oklahoma
Aly El Banayosy, MD
INTEGRIS NazihZuhdi Transplant Institute, Oklahomma, USA

08:30-08:45
ECMO HUB in Regensburg
Alois Philipp
University of Regensburg, Germany

08:45-09:00
Pulmonary Failure and Patients Selection
Aly El Banayosy
INTEGRIS NazihZuhdi Transplant Institute, Oklahomma, USA
09:00 - 09:15
ECMO in emergency situation and transport
Alois Philipp
University of Regensburg, Regensburg, Germany

09:15-09:30
Pushing the Boundaries: ECMO in the Elderly Postcardiotomy Patients
Robertas Samalavicius
Vilnius University Hospital, Vilnius, Lithuania

09:30-09:45
Neurologic Monitoring and Complications while on ECMO
Michael Firstenberg
The Summa Health Care System, Ohio, USA

09:45-10:00
Risk Factors for Early Death after Successful Weaning from ECMO
Michael Firstenberg
The Summa Health Care System, Ohio, USA

10:00-10:15
Transportation on ECMO: are there limits?
Guillaume Lebreton
Paris Public Assistance Hospital, Paris, France

10:15-10:30
Resuscitative Capabilities of ECMO in the Cardio Surgical Clinic
S.Ibragimov, S.Belov, V.Pasyuga, Yu.Shlakin, D.Tarasov
Federal Center of Cardiovascular Surgery; Astrahan State Medical University, Russia

10:30-11:00
Coffee break

11:00-11:15
Setting up the national ECMO network - Croatian experience
Bojan Biocina,
University Hospital Center Zagreb, Zagreb, Croatia

11:15-11:30
Extracorporeal Membrane Oxygenation program in National Research Center for Cardiac Surgery
National Research Center for Cardiac Surgery, Astana, Kazakhstan.

11:30 - 11:45
Worldwide aircraft ECMO transportation: Experience at a German Heart Center
Thomas Strecker, Steffen Oehrlein, Michael Meyer, Michael Weyand, Rene Tandler.
Friedrich-Alexander University of Erlangen-Nuernberg, Erlangen, Germany.

11:45-12:00
Extracorporeal Membrane Oxygenation in Lung Transplantation
Akin Yazicioglu¹, Mahmut Subasi¹, Dogan Emre Sert¹, Umit Kervan¹, Ahmet Gungor¹, Sinan Turkkan¹, Fatmanur Celik Basaran¹, Ibrahim Onur Alici¹, Hijia Yazicioglu¹, Sema Turan¹, Erdal Yekeler¹.
¹Turkiye Yuksek Ihtisas Training and Research Hospital, Thoracic Surgery and Lung
12:00-13:00
Discussion

13:00-14:00
Lunch

14:00-17:00  Session VASCULAR SURGERY  Room 7

MODERATORS: Tokan Sultanaliyev (Kazakhstan), Alexey Fokin (Russia)

14:00-14:15
The Role of Pentoxifylline and Iloprost in Prevention of Ischemia-reperfusion Damages in Experimental Models of Intestine Ischemia-reperfusion In Rats.
Uğur Abakay, Sinan Soylu, Sabahattin Göksel, Bülent Saraç, Zeynep Deniz Şahinan, Atilla Kurt, Özge Korkmaz, Hüsnü ÇağrıGenç, Öcal Berkan.
Cumhuriyet Üniversitesi, Sivas, Turkey.

14:15-14:30
Surgical Treatment of Patients with Tumor Thrombus in the Right Atrium
Uladzimir Andrushchuk¹, Youri Ostrovsky¹, Sergej Poliakov⁵, Alexandr Rolevich⁵, Liana Shestakova⁵, Vladimir Zharkov⁵.
¹Belarus Cardiology Center, Minsk, Belarus, ²Belarus Oncology Center, Minsk, Belarus

14:30-14:45
Acute DeBakey Type I Aortic Dissection: Should Arch and Descending Aortic Intervention Be Recommended in The Acute Setting?
Elaine Teh¹, Simon Allen¹, Malcolm Dalrymple-Hay¹, James Kuo¹, Clinton Lloyd¹, Adrian Marchbank², Michael J. Unsworth-White².
¹University Hospitals Bristol NHS Foundation Trust, Bristol, United Kingdom, ²Plymouth Hospitals NHS Trust, Plymouth, United Kingdom

14:45-15:00
Modern Endovascular DVT Therapy
Alex Seredyskiy, Boris Sukovatykh, Vadim Muradian, Andrew Azarov, Michael Sukovatykh
Regional Hospital, OGU, Orel, Russian Federation, ²KSMU, Kursk, Russian Federation, ³Orel Regional Hospital, Orel, Russian Federation

15:00-15:15
The First Experience of Reconstructive Interventions on Carotid Arteries in Patients With Acute Phase of Ischemic Stroke
Dmitry Altman¹, Alexey Fokin¹, Vladimir Vladimirskiy¹, Vladimir Ignatov¹, Alexey Baryshnikov¹, Vadim Chernousov¹, Anton Fedin¹, Pavel Makovkin¹, Irina Rudakova¹, Georgii Treiger¹.
¹Chelyabinsk Regional Hospital, Chelyabinsk, Russian Federation, ²South Ural State Medical University, Chelyabinsk, Russian Federation.
15:15-15:30
Delayed Diagnosis and Treatment of Proximal Post Traumatic Subclavian Artery Pseudoaneurysm
Hamidreza Davari,
Tehran University of Medical Sciences, Tehran, Iran.

15:30-15:45
Composite Ptf-autologous Saphenous Vein Graft to Treat Critical Limb Ischemia and Single Infrapopliteal Vessel
Giuseppe Battaglia, Salvatore Alberto Turiano, Rosario Tringale, Ermanno Sabatino, Vincenzo Monaca
Ferrarotto Hospital, Catania, Italy

15:45-16:00
Complete Coverage of the Descending Thoracic Aorta during Endovascular Repair of Thoracoabdominal Dissection is Not Associated with Increased Risk of Spinal Cord Ischemia
Gilbert R. Schorlemmer.
Mountain Star Cardiovascular Surgery, Orem, UT, USA.

16:00-16:30
Coffee break

16:30-16:45
Assessing the Impact of the Sinus-Saving Modifications of Eversion Carotid Endarterectomy on the Stabilization of Perioperative Arterial Hemodynamic Gregory Treiger
South Ural State Medical University, Chelyabinsk, Russia

16:45-17:00
Our Experience in Applying Endovascular Methods Of Correction Of Critical Lower Limb Ischemia In Patients with Infrainguinal Arterial Disease
Anastaia Artemova¹, Michael Ivanov¹, Nikolay Lukyanchikov¹, Alexandr Lipin³.
¹NWMU named after I. I. Mechnikov, Saint Petersburg, Russian Federation, ²I.M. Sechenov First Moscow State Medical University, Moscow, Russian Federation, ³Limb Rescue Center “Saint Petersburg State Hospital #14”, Saint Petersburg, Russian Federation.
MODERATORS: Teresa Kieser (Canada), Vipin Zamvar (UK)

08:00-08:15
Arterial Revascularization: Strategies to Deploy Arterial Conduits
Sotirios Prapas
Henry Dunant Hospital, Greece

08:15-08:30
The Arterial Bypass: A Graft for all Reasons
Teresa Keiser
Foothills Medical Centre, Canada

08:30-08:45
OPCAB as a Standard in Modern Surgery of Ischemic Heart Disease
Federal Center of Cardiovascular Surgery; Astrahan State Medical University Russia

08:45-09:00
Technical Tips for Off-Pump CABG Surgery
Vipin Zamvar
Royal Infirmary of Edinburgh, Edinburgh, United Kingdom. Graham.
Royal Victoria Hospital, Belfast, Belfast, United Kingdom.

09:00-09:15
Bilateral Internal Mammary Artery Bypass Grafting: Extent Of Use And Focus On Sternal Wound Infection
Justine Ravaux, MD1, Tami Guennaoui, MD2, Christian Mélot, MD, PhD2, Peter Schraverus, MD2.
1Grand Hôpital de Charleroi, Gilly, Belgium, 2Centres Hospitaliers Jolimont ASBL, Haine Saint Paul, Belgium, 3Erasme University Hospital, Brussels, Belgium.

09:15-09:30
Differential Approach To Prevent Stroke During Cabg Procedure
Pavel Myalyuk, Andrey Marchenko.
Federal centre of cardiovascular surgery, Perm, Russian Federation

09:30-09:45
Effect of Octopus Tissue Stabilizer on Cardiac Output during Off Pump Coronary Artery Bypass Graft Surgery
Ganesh Kumar K Ammanna.
Lokmanya Tilak Municipal Medical College & General Hospital, Mumbai, India.

09:45-10:00
Off-pump Coronary Artery Bypass Grafting Through Left-sided Thoracotomy In The Treatment Of Patients With Coronary Artery Disease
Yuri Schneider.
Federal Center of High Medical Technology, Kaliningrad, Russian Federation.

10:00-10:15
Education in Endovascular Surgery
Rui Almeida
Chairman of the Education Committee of the WSCTS, Brazil
10:15-10:30
Discussion

10:30-11:00
Coffee break

MODERATORS: Sotirios Prapas (Greece), Yuri Schneider (Russia)

11:00-11:15
Optimization of Coronary Artery Grafting Strategies Based on Long-term Morphological and Morphometrical Assessment of Coronary Conduits
Grigore Tinica¹, Raluca Ozana Chistol¹, Diana Anghel¹, Mihail Enache¹, Cristina Furnica¹.
¹Cardiovascular Diseases Institute, Iasi, Romania, ²University of Medicine and Pharmacy, Iasi, Romania.

11:15-11:30
Experience of Using the "No-Touch" Technique Harvesting a Saphenous Vein with Surrounding Tissue Using an Ultrasound Harmonic Scalpel
Aleksei Semogin¹, Pavel Kuznetcov¹, Evgeniy Ignatov¹, Andrey Semogin¹, Oleg Lukin¹.
¹Federal State Institution, Chelyabinsk, Russian Federation, ²Regional Clinical Cardiological Health Center, Samara, Russian Federation.

11:30-11:45
Assessment of Work Capacity State of Patients with Ischaemic Heart Disease after CABG
Nurali Shakirov, Anar Tursynbekova, Yerkebulan Magaun, Ainash Issayeva, Almaz Kiyabayev, Zeinat Ismailova.
Sema Hospital, Almaty, Kazakhstan.

11:45-12:00
The Medical Aspect of Rehabilitation of Patients With Coronary Heart Disease After Coronary Artery Bypass Grafting
Nurali Shakirov, Anar Tursynbekova, Yerkebulan Magaun, Ainash Issayeva, Almaz Kiyabayev, Zeinat Ismailova.
Sema Hospital, Almaty, Kazakhstan.

12:00-12:15
Carotid Artery Stenting Performed Before Coronary Surgery is Effective Prevention of Cerebral Ischemia during Myocardial Revascularization
Alexey Fokin
South Ural Medical University, Russia

12:15-12:30
Five-Year Results of Surgical Treatment Patients with Atrial Fibrillation and Coronary Artery Disease: Prospective Randomized Study
Novosibirsk Research Institute of Circulation Pathology, Novosibirsk, Russian Federation.
12:30-12:45
Mini OPCAB Mammary to Lad in High Risk Patients with Multivessels Prospective Study Long Term Results
Federico Benetti, Natalia Scialacomo
Benetti foundation, Argentina

12:45-13:00
Discussion

13:00-14:00
Lunch
MODERATORS: Petr Yablonskiy (Russia), Hiran Fernando (USA)

11:00-11:15
Management of Pulmonary Tuberculosis: Is There a Place for Surgery?
Petr K. Yablonskiy
Research Institute of Pulmonary Tuberculosis of St. Petersburg, Russia

11:15-11:30
Role of Hybrid Operating Theatre in Thoracic Surgery
Calvin Ng
The Chinese University of Hong Kong, China

11:30-11:45
About Classification of Cicatricial Tracheal Stenosis
Alexey Parshin
I.M. Sechenov First Moscow State Medical University, Moscow, Russian Federation.

11:45-12:00
Evaluation of Lymph Node Dissection in VATS Lobectomy versus Lobectomy by Thoracotomy
Konrad Pawelczyk, Piotr Blasiak, Marek Marciniak, Monika Szromek.
Wroclaw Medical University, Wroclaw, Poland.

12:00-12:15
Thymectomy for Non-thymomatous Myasthenia Gravis: Comparison Of Video-assisted Thoracoscopic & Trans Sternal Thymectomy
Masahad University of Medical Sciences, Mashhad, Iran

12:15-12:30
VATS Mediastinal Sentinel Node Biopsy Reduces the Need for Systematic Mediastinal Lymphadenectomy in Early Stage NSCLC Surgery
Nenad Ilic¹, Josko Juricic¹, Dragan Krnic¹, Duje Orsulic¹, Ivan Simundza¹, Darko Ilic², NivesFrleta Ilic².
¹University Surgical Hospital, Split, Croatia, ²Policlinic Cito, Split, Croatia.

12:30-12:45
Effect Of Diaphragm Plication On Phrenic Complication Of Nerve Excision In Thymoma Patients With & Without Myasthenia Gravis
Reza Bagheri, Seyed Ziaollah Haghi, Reza Afghani, Vahab Azmounfar, Saeed Hakimian, Mohammad Baradaran Firoozabadi, Negar Morovatdar.
Masahad University of Medical Sciences, Mashhad, Iran.

12:45-13:00
Trachea Sleeve Resection After Preliminary Long-lasting Stenting
Dauren Amangeldiyev, Vladimir Parshin, Ovik Mirzoyan, Valeryi Parshin.
I.M. Sechenov First Moscow State Medical University, Moscow, Russian Federation.

13:00-14:00
Lunch
MODERATORS: Ghulam Abbas (USA), Ricardo Santos (Brazil)

14:00-14:15
Esophageal Cancer: Surgery and Precise Prognosis
Oleg Kshivets.
Clinic N1, Khimki, Russian Federation.

14:15-14:30
Comparing Hand-sewn and Mechanical Anastomosis in Esophageal Cancer Patients Undergo Esophagectomy
Ali Ramouz, Seyed Ziaeddin Rasihashemi.
Tabriz University of Medical Sciences, Tabriz, Iran,

14:30-14:45
Independent VATS Transdiaphragmatic Thoracoabdominal Approach for Resection and Reconstruction of Lower Esophageal Cancer
Hsing-Hsien Wu.
Tainan Municipal Hospital, Tainan, Taiwan.

14:45-15:00
Role of epigenetics and histones in the biology of esophageal adenocarcinoma
Puja Gaur Khaitan
Medstar Washington Hospital Center, Washington, USA
MODERATORS: Ricardo Santos (Brazil), Vadim Pischik (Russia)

08:30-08:45
A Lung Cancer Screening Program: What is Needed and How to Do It
Ricardo Santos (Brazil),
Hospital Israelita Albert Einstein, San Paulo, Brazil

08:45-09:00
Minimally Invasive Surgical Lung Biopsy with Local Anesthesia and Sedation in Non-intubated Patients with Suspected Idiopathic Pulmonary Fibrosis: Preliminary Results and Patients Satisfaction
Roberto Cherchi¹, Laura Riva¹, Massimiliano Santoru¹, Roberto Perra², Roberto Alieri³, Matteo Pinna Susnik³, Federico Palludo³, Paolo A. Ferrari³.
¹Department of Thoracic Surgery - P.O. "A. Businco" - AOBrontzi, Cagliari, Italy, ²Pneumology - P.O. "Binaghi - ATS - ASSL, Cagliari, Italy, ³Radiology Service - P.O. "Binaghi - ATS - ASSL, Cagliari, Italy.

09:00 - 09:15
Sentinel Node Mapping in Non-small Cell Lung Cancer Using Intra operative Radiotracer Technique
Reza Bagheri, Susan Shafiei, RaminSadeghi, Vahid Reza Dabbaghkakhki, Amir Hossein Jafarian, Reza Afghani, Davood Attaran, Reza Basiri, Shahrazad M Lari. Mashhad University of medical sciences, Mashhad, Iran.

09:15-09:30
Ectopic Adrenocorticotropic Hormone Syndrome: Clinical Features, Diagnosis, Treatment And Long-term Observation. Impact Of Bronchial Carcinoid Tumors. Vadim Krylov¹, Ekaterina Dobreva¹, Sergey Khornas¹, Vladimir Parshin¹, Leonid Ippolitov², Nikolay Kuznetsov², Georgy Polunin², Anna Ananchuk².
¹Sechenov University, Moscow, Russian Federation, ²Endocrinology Research Centre, Moscow, Russian Federation.

09:30-09:45
Pareto’s Cost/Benefits Estimation of a Multicenter VATS Lobectomy Programme
Luca Bertolaccini¹, Benedetta Bedetti¹, Alessandro Pardolesi¹, Jury Brandolini¹, Piergiorgio Solli², Marco Scarci³.
¹Santa Maria delleCroci Hospital, Ravenna, Italy, ²Malteser Hospital, Bonn, Germany, ³Margagni-Pierantoni Hospital, Forlì, Italy, ⁴University College London Hospitals, London, United Kingdom.

09:45-10:00
Thoracoscopic segmentectomy with ICG-Flourescence: new tricks for Intersegmental Planes
Vadim Pischik
Clinical hospital №122 of L. Sokolov, St. Petersburg, Russia

10:00-10:30
Discussion

10:30-11:00
Coffee break
MODERATORS: Hiran C. Fernando (USA), Jens Rueckert (Germany)

11:00-11:15
Intro to ISMICS & Transcatheter Mitral Therapies
Anson Cheung
University of British Columbia, St. Paul's Hospital, Vancouver, Canada

11:15-11:30
Sublobular Resection Versus SBRT/Ablation for High-Risk Patients with Lung Cancer
Hiran C. Fernando
Inova Fairfax Medical Campus, Falls Church, Virginia, USA

11:30-11:45
ISMICS Consensus Conferences
Francis Ferdinand
Albany Medical College, Albany, New York

11:45-12:00
Minimally Invasive Resection of Large Anterior Mediastinal Tumors - Should this be Done?
Jens Rueckert
University Medicine Berlin, Charite Campus, Berlin, Germany

12:00-12:15
Robotic TE-CAB
Johannes Bonatti
Cleveland Clinic Abu Dhabi, Abu Dhabi

12:15-13:00
Discussion

13:00-14:00
Lunch

14:00-16:00
Session ESOPHAGUS SURGERY WITH ISMICS

MODERATORS: Hiran C. Fernando (USA)

14:00-14:15
Minimally Invasive Repair of Giant Hiatal Hernias
Ghulam Abbas
Riverview Medical Center, West Virginia, USA

14:15-14:30
Laparoscopic/Robotic Therapies for Motility Disorders of the Esophagus
Hiran Fernando
Inova Fairfax Medical Campus, Falls Church, Virginia, USA

14:30-14:45
Tracheal Surgery Complications
Aleksandr V. Starostin, Ovik S. Mirzoyan, Vladimir D. Parshin.
I.M. Sechenov First Moscow State Medical University of Ministry of Health, Moscow, Russian Federation.
14:45-15:00
A New Classification of Lung Adenocarcinoma Nodules Guiding Treatment
Zhangfan Mao, Jie Huang, bowang, ping dong.
Renmin Hospital, Wuhan University, Wuhan, China.

15:00-15:15
Surgical Treatment Of Combined Echinococcosis In Children
Bakhytzhan Shirtaev, Mukhtar Sundetov, Ruslan Kassenbayev, Denis Voronin,
Daniyor Kurbanov, Nazira Erimova.
National Scientific Center for Surgery, Almaty, Kazakhstan.

15:15-15:30
Catamenial Pneumothorax and Thoracic Endometriosis an Underdiagnosed Disease
Kosmas Tsakiridis, StamatisArikas, Andreas Bakas.
St Luke's Hospital, Thessaloniki, Greece.

15:30-15:45
Anatomical Segmentectomy - single institution experience
Vytautas Nekrasas, Lars Møller
Dept. Cardiothoracic Surg, Aalborg University Hospital, Aalborg, Denmark.

15:45-16:00
Discussion

16:00-16:30
Coffee break
MODERATORS: Hiran C. Fernando (USA), Johannes Bonatti (UAE)

Live case VATS LOBECTOMY
Vadim Pischik
Clinical Hospital No.122 of L. Sokolov, St. Petersburg, Russia

08:30-08:45
Uniportal Versus Multiport Lobectomy is There a Benefit
Calvin Ng
The Chinese University of Hong Kong, China

08:45-09:00
Uniportal lobectomy: Tips, Tricks and Outcomes
Jens Rueckert
University Medicine Berlin, Charite Campus, Berlin, Germany

09:00-09:15
Robotic Lobectomy versus VATS lobectomy - Is There a Benefit
Ricardo Santos
Hospital Israelita Albert Einstein, San Paulo, Brazil

09:15-09:30
Recurrent pleural effusion complicating liver cirrhosis period January 2005 to January 2015.
Fadil Gradica¹, Lutfi Lisha¹, Alma Cani¹, Dhimitraq Argjiri¹, Helidon Nino², Elton Bollano³, Fahri Kokici³, Ylber Vata¹, Donika Lala⁴, Leon Shpataraqu¹, Dorjan Bozaxhiu¹, Fiqirete Gradica³.
¹University Hospital, Tirane, Albania, ²University Hospital "Mother Theresa", Oncology University Hospital Tirane, Albania, ³University Hospital "Mother Theresa" Visceral Surgery Department, Tirane, Albania, ⁴public Stomatology service, Tirane, Albania, ³Public pharmacy service, Tirane, Albania.

09:30-09:45
The Rectus Abdominis Muscle Flap - Rare, But Viable Option For Securing A Bronchial Stump Fistula And Basal Pleural Cavity Obliteration In The Management Of Complex Infections After Thoracic Surgical Procedures
Georgy Yankov, Anatoli V. Semkov, Danail Petrov.
Thoracic Surgery Department, Saint Sophia University Hospital for Pulmonary Diseases, Medical University, Sofia, Bulgaria.

09:45-10:30
Discussion

10:30-11:00
Coffee break
MODERATORS: Makhbhat Bekbossynova (Kazakhstan), Josef Kautzner (Czech Republic), Maxim Didenko (Russia), Ayan Abdakhmanov (Kazakhstan)

11:00-11:10
Welcome speech
Makhbhat Bekbossynova, MD, PhD
National Research Center for Cardiac Surgery
Astana, Kazakhstan

Maxim Didenko, MD, PhD
Military Medical Academy of S. Kirov
St. Petersburg, Russia

Ayan Abdakhmanov, MD, PhD
National Research Center for Cardiac Surgery
Astana, Kazakhstan

11:10-11:30
Catheter Ablation of VT
Josef Kautzner
Institute for Clinical and Experimental Medicine, Prague, Czech Republic

11:30-11:50
Genetic epidemiology of ventricular tachycardia in patients with cardiomyopathy in Kazakhstan: a targeted sequencing study
Ainur Akilzhanova
Laboratory of Genomic and Personalized Medicine, National Laboratory Astana, Nazarbayev University,
Astana, Kazakhstan

11:50-13:00
Discussion

13:00-14:00
Lunch

MODERATORS:
Maxim Didenko (Russia), James Reiss (USA), Yanis Dumpis (Russia)

14:00-16:00
Live case CATHETER ABLATION OF VENTRICULAR TACHYCARDIA (TV-translation from EP lab)
Josef Kautzner, MD, PhD
Institute for Clinical and Experimental Medicine (ICEM) Prague, Czech Republic
Ayan Abdakhmanov, MD, PhD
National Research Center for Cardiac Surgery Astana, Kazakhstan
Azat Tursynbekov, MD
National Research Center for Cardiac Surgery Astana, Kazakhstan
Cardioverter-defibrillators for the prevention of sudden cardiac death in non ischemic cardiomyopathy
Yanis Dumpis
Medical University, St. Petersburg, Russia

Remote interrogation or in-clinic interrogation: benefits for ICD follow-up
Nechepurenko A., Kondratyev D., Kozmin D., Tungusov D., Makeev S., Enginoyev S., Martyanova E., Chernov I., Tarasov D.
Federal Center of cardiovascular surgery
 Astrakhan State Medical University, Russia

Radiofrequency ablation of ventricular tachycardia from inflow cannula of VAD
Saltanat Andossova,
National Research Center for Cardiac Surgery, Astana, Kazakhstan
Ayan Abdrahmanov
National Research Center for Cardiac Surgery, Astana, Kazakhstan

16:00-16:30
Discussion

16:30-17:30
Session of the Kazakh Society of Arrhythmologists

11:00-13:00 Session INVASIVE CARDIOLOGY Room 4

MODERATORS: Marat Aripov (Kazakhstan), Orazbek Sakhov (Kazakhstan), Anthony Nobles (USA)

11:00-11:15
Conventional Redo Surgery Vs Catheter-based Trans-apical Procedure in Mitral Paravalvular Leak Treatment.
Aleksejus Zorinas¹, Vilius Janusauskas¹, Lina Puodziukaite¹, Rokas Simakauskas¹, Giedrius Davidavicius¹, Valdas Bilkis¹, Rita Kramena², Diana Zakarkaitė², Rasa Cypiene², Robertas Stasys Samalavičius¹, Kestutis Rucinskas¹, Audrius Aidietis¹, Eustaquio Maria Onorato³.  
¹Vilnius University, Vilnius, Lithuania, ²Rita Kramena, Vilnius, Lithuania, ³Cardiovascular Department, HumanitasGavazzeni, Bergamo, Italy.

11:15-11:30
One year follow-up in patients with Resistance Arterial Hypertension after Renal Denervation
Marat Aripov, Aleksey Goncharov, A.Mussayev, M.Temirkulov
National Research Center for Cardiac Surgery, Kazakhstan

11:30-11:45
The Comparison Various Technics of Stenting Left Main Coronary Artery
Aleksey Goncharov, Marat Aripov, A.Mussayev, M.Temirkulov
National Research Center for Cardiac Surgery, Kazakhstan

11:45-12:00
Transcatheter Suture-Based PFO Closure by NobelStitch
Saule Kadirova
National Research Center for Cardiac Surgery, Astana, Kazakhstan
12:00-12:15
Patients Carrying Two Mutations in the Genes of Interest are at High Risk of Sudden Cardiac Death And Rapid Cardiomyopathy Progression
E. Zaklyazminskaya, A. Shestak, M. Polyak, L. Makarov, O. Blagova, S. Dzemeshkevich
Russian Research Center of Surgery of B. Petrovskiy, Russia

12:15-13:00
Discussion

13:00-14:00
Lunch
Joint Session: European Society of Cardiology (ESC), European Heart Rhythm Association (EHRA), Kazakh Society of Arrhythmology and the Society of the Heart Rhythm of the Silk Road Countries (SHRSRC)

MODERATORS: Bela Merkely (Hungary), Robert Hatala (Slovak Republic), Maxim Didenko (Russia), Ayan Abdrahmanov (Kazakhstan), Roin Rekvava (Kazakhstan), Farid Aliev (Azerbaijan)

08:00-08:20
Complicated Cases of Implantation of the Left Ventricular Electrode in Cardioresynchronizing Therapy
Bela Merkely
European Society of Cardiology, Budapest, Hungary

08:20-08:40
Electrophysiological effects of the left bundle branch anatomy: from CRT to TAVI
Robert Hatala
National cardiovascular Institute, Bratislava, Slovakia

08:40-09:00
Extraction of endocardial electrodes
Christian Wollmann
University Heart Center, St. Polten, Austria

09:00-09:20
Catheter Ablation of Atrial Tachycardia
Andreas Metzner
Asklepios Klinik St. Georg, Hamburg, Germany

09:20-09:40
Ablation of stellate ganglion for the treatment of drug-resistant ventricular tachycardia
Farid Aliev
Cardiovascular Center of Azerbaijan University, Baku, Azerbaijan

09:40-10:30
Discussion

10:30-11:00
Coffee break

MODERATORS: Robert Hatala (Slovak Republic), Christian Wollmann (Austria), Farid Aliev (Azerbaijan)

11:00-13:00
TV translation IMPLANTATION OF CRT-D
Bela Merkely
Heart and Vascular Center, Budapest, Hungary
Ayan Abdrahmanov
National Research Center for Cardiac Surgery, Astana, Kazakhstan
Serk Bagibayev
National Research Center for Cardiac Surgery, Astana, Kazakhstan
Neuromodulation in the treatment of heart failure
Evgeniy Michailov
North-West Federal Medical Research Center of V. Almazov, St. Petersburg, Russia

Management of nonresponders after CRT implantation
Sabine Brueckner, Berlin, Germany

The Use of Cardiac Resynchronization Pacing in Patients with Chronic Heart Failure
Bagdat Akhyt, Kulzida Koshumbayeva, Roin Rekvava, Kurmangazy Madaliyev, Sholpan Ismailova, Salim Berkinbayev.
Research Institute of Cardiology and Internal Diseases, Almaty, Kazakhstan.

13:00-14:00
Lunch

MODERATORS: Yevgeniy Lyan (Germany), Robert Hatala (Slovak Republic), Yevgeniy Mikhailov (Russia), Adil Baimbetov (Kazakhstan)

14:00-16:00
TV-translation CATHETER ABLATION OF ATRIAL TACHYCARDIA
Andreas Metzner
Asklepios Klinik St. Georg, Hamburg, Germany
Ayan Abdrahmanov
National Research Center for Cardiac Surgery, Astana, Kazakhstan
Zhandos Yesilbayev
National Research Center for Cardiac Surgery, Astana, Kazakhstan

Radiofrequency ablation of supraventricular tachycardia
Adil Baimbetov
National Scientific Center for Surgery of A. Syzganov, Almaty, Kazakhstan

Radiofrequency ablation of atrial fibrillation without fluoroscopy
Azat Tursunbekov
National Research Center for Cardiac Surgery, Astana, Kazakhstan
Ayan Abdrahmanov
National Research Center for Cardiac Surgery, Astana, Kazakhstan

16:00-16:30
Coffee break

16:30-16:50
Remote monitoring of patients with implanted devices
Abay Bakytyzhanuly
National Research Center for Cardiac Surgery, Astana, Kazakhstan
Ayan Abdrahmanov
National Research Center for Cardiac Surgery, Astana, Kazakhstan

16:50-17:10
Implantation of leadless pacemaker
Faisal Al Smadi
King Fahd Medical City - King Salman Heart Center Riyadh, Saudi Arabia
Yury Pya
National Research Center for Cardiac Surgery, Astana, Kazakhstan
Ayan Abdrahmanov
National Research Center for Cardiac Surgery, Astana, Kazakhstan
16:30-17:45  Session GENERAL CARDIOLOGY  Room 4

MODERATORS: Elena Zaklyazminskaya (Russia), Thomas Sénage (France)

16:30-16:45  Clinical Spectrum of DCM Caused By Mutations in the LMNA Gene
Elena Zaklyazminskaya¹, Anna Shestak¹, Sergey Mironovich¹, Alexandre Polyakov¹,
Olga Blagova², Natalia Kotlukova³, Sergey Dzemeshkevich¹.
¹Petrovsky Russian research Centre of Surgery, Moscow, Russian Federation,
²Research Centre for Medical Genetics, Moscow, Russian Federation, ³Sechenov First
Moscow State Medical University, Moscow, Russian Federation, ⁴Bashlyaeva City
Pediatric Hospital, Moscow, Russian Federation.

16:45-17:00  Cardiomyopathy and Valvular Dysplasia: Accidental Combination or Related
Pathology
S.L. Dzemeshkevich, Y.V. Frolova, E.V. Zaklyazminskaya, D.N. Fyodorov, M.S.
Malikova, A.N. Lugovoy, A.P. Motreva, D.G. Tarasov
Russian Research Center of Surgery of B. Petrovskiy, Russia

17:00-17:15  Cardiac Remodeling after Aortic Valve Implantation for Aortic Stenosis
Thomas Sénage, Justine Enée, Caroline Cuffe, Nicolas Piriou, Jean-christian Roussel,
Thierry Le Tourneau.
Thorax Institute, Nantes, France.

17:15-17:30  Implications of Candida colonization in lung transplant recipients
Jaime Green
University of Minnesota, USA

17:30-17:45  Platform establishment on screening and diagnosis of secondary hypertension
in Xinjiang China
Nanfang Li
Hypertension center, Xinjiang, China
MODERATORS: James Reiss (USA), Yevgeniy Lyan (Germany), Ayan Abdarakhanov (Kazakhstan), Kulzida Koshumbayeva (Kazakhstan)

08:00-09:00
Discussion “Fire and Ice” - Comparison between Radiofrequency Ablation and Cryobalon Ablation
Yevgeniy Lyan
Universitätsklinikum Schleswig-Holstein, Germany
Roin Rekvava, MD, PhD,
National Research Institute of Cardiology and Inner Diseases”, Kazakhstan

09:00-09:20
Anticoagulant Therapy of Atrial Fibrillation
Kulzida Koshumbayeva
Research Institute of Cardiology and Internal Diseases, Kazakhstan

09:20-09:40
Minimally Invasive Thoracoscopic Ablation of Atrial Fibrillation
Oleg Sapelnikov
Clinical Hospital №1, Russia

09:40-10:00
Cryoballoon ablation of atrial fibrillation with minimal fluoroscopy
James Reiss
Peace Health Southwest Medical Center, USA

10:00-10:20
Surgical Ablation for Atrial Fibrillation: Predictors for long-term success.
Simon Pecha, Susanne Ghadili, Stephan Willems, Hermann Reichenspurner, Florian Mathias Wagner

10:20-10:30
Discussion

10:30-11:00
Coffee break

MODERATORS: James Reiss (USA), Oleg Sapelnikov (Russia), Roin Rekvava (Kazakhstan)

11:00-13:00
TV-Translation “Radiofrequency Ablation Of Atrial Fibrillation Without Fluoroscopy”
Yevgeniy Lyan
Universitätsklinikum Schleswig-Holstein, Germany
Dr. Ayan Abdarakhanov
National Research Center for Cardiac Surgery, Kazakhstan
Azat Tursunbekov
National Research Center for Cardiac Surgery, Kazakhstan
Results of cryoballoon ablation of atrial fibrillation
Omirbek Nuralinov
National Research Center for Cardiac Surgery, Kazakhstan

Syncope
Roin Rekvava
National Research Institute of Cardiology and Inner Diseases, Kazakhstan

13:00-14:00
Lunch
MODERATORS:
Ann Folin (Sweden), Gulnur Nadirbekova (Kazakhstan)

11:00-11:30
Safety Technique for Surgical Team During Surgeries
Ann Folin
Möllycke Health Care, Sweden

11:30-12:00
Comprehensive Approach in Preventative Care System of Infection Related to Medical Help in the OR
Olga Lolktionova
Clinical hospital №8, Obninsk, Russia

12:00-12:30
Hand Protection of Surgical Team from Evidence - Based Medicine
Julia Samoilova
Möllycke Health Care, Moscow, Russia

12:30-13:00
Ann Folin
Möllycke Health Care, Sweden

13:00-14:00
Lunch

14:00-14:30
Dressed for Success
Ann Folin
Möllycke Health Care, Sweden

14:30-15:30
Modern Dressing Bandages and Wound Treatment
Olga Zhurelova
Möllycke Health Care, Sweden
MODERATORS:
Tanya Melnik (USA), Philip La Fleur (Canada)

08:00-08:15
Failures in Existing Quality of Care Reporting and Scoring Systems
Paul Sergeant
Gasthuisberg University Hospital, Leuven, Belgium

08:15-08:30
Follow-Up After Therapy is a Fundamental Step in Quality of Care
Paul Sergeant
Gasthuisberg University Hospital, Leuven, Belgium

08:30-08:45
Clinical errors in medical practice
Tanya Melnik
University of Minnesota, USA

08:45-09:00
Patient Safety and Team Building in Cardiac Surgery
Michael Firstenberg
The Summa Health Care System, Ohio, USA

09:00-09:15
Clinical Trial in Kazakhstan: Opportunities and Experience
Philip La Fleur
Nazarbayev University, Astana, Kazakhstan

09:15-09:30
Health care management in Xinjiang China and its implication in neighbouring Central Asian countries
Aiping Yu
Hypertension center, China

09:30-09:45
What is the Affect of Individual Surgeon Experience on Risk Adjusted Survival Rates in Cardiac Surgery?
Victoria Rizzo, Umar Hamid, Glen Dunwoody, Alastair

09:45-10:30
Discussion

10:30-11:00
Coffee break
MODERATORS:
Giovanni Landoni (Italy), Tomasz Kotulak (Czech Republic)

14:00-14:15
Right Ventricle Failure in Cardiac Surgery
Tomasz Kotulak
Institute for Clinical and Experimental Medicine Prague, Czech Republic

14:15-14:30
Cost Effectiveness of Using Thrombelastography (TEG) In Patients undergoing Open Heart Surgery
Ali Bayoumi¹, Khaled Al Khamesi², Ibrahim M. Yassin³, Hatem Al Taher⁴, Mustafa Al Refaai⁵, Farouk M. Oueda³, Khalid A. Eskander².
¹Laboratory Department, Saud Al Babtain Cardiac Center SBCC, AL DAMMAM, Saudi Arabia, ²Cardiac Surgery Department, Saud al Babtain Cardiac Center, AL DAMMAM, Saudi Arabia, ³Tanta University Hospitals, Tanta, Egypt, ⁴Anaesthesia Department, Saud al-Babtain Cardiac Center SBCC, AL DAMMAM, Saudi Arabia, ⁵Cardiology Department, Saud al-Babtain Cardiac Center SBCC, AL DAMMAM, Saudi Arabia.

14:30-14:45
Combined Cardiac Surgery and Oncosurgery - Is It Feasible When Necessary?
Abhishek N. Raychura, Gaurav G. Goel, Jatin Desai, Dipayan Nandy.
Sterling Hospital, Vadodara, Vadodara, India.

14:45-15:00
Autotransfusion has an Important Effect on Drug Dosing in Congenital Cardiac Surgery
Gerdien A. Zeilmaker-Roest, Annewil van Saet, Soma Bahmany, Enno D. Wildschut, Dick Tibboel, Ad J.J.C. Bogers.
Erasmus MC, Rotterdam, Netherlands.

15:00-15:15
Modern strategies to reduce mortality in the perioperative period. Standards and individual approaches in anesthesiology and resuscitation
Giovanni Landoni
San Raffaelle Scientific Institute, Milan, Italy

15:15-15:30
Elevated Red Cell Distribution Width as a Predictive Marker for Development Of Systemic Inflammatory Response Syndrome, In Patients Undergoing Cardiac Surgery With Extracorporeal Circulation
Harsh S. Seth.
Lokmanyaa Tilak Municipal Medical College, Mumbai, India.

15:30-16:00
Discussion

16:00-16:30
Coffee break
MODERATORS:
Matthias Gutberlet (Germany), Rainer Rienmueller (Germany)

08:00-08:15
CT Evaluation of Patients Prior to TAVI/TAVR
Matthias Gutberlet
University of Leipzig, Germany

08:15-08:30
Clinical Validity of Cardiac CT and MR in the Diagnostic and Therapy of Constrictive Pericarditis
Rainer Rienmueller
Medical University Graz, Austria

08:30-08:45
Cardiovascular CT in the Diagnosis of Congenital Heart Disease - Priorities and Significant Advantages
Mariya Vishnyakova
Moscow Regional Research Clinical Institute of M. Vladimirsky, Russia

08:45-09:00
Imaging of atherosclerosis-which way to go?
Valentin Sinitsyn
Treatment and Rehabilitation Center, Moscow, Russia

09:00-09:15
Possibilities of Multislice Computed Tomography in the Diagnostics of Complications after Implantation of Left Ventricle Assist Devices in Patients with Heart Failure
Tairkhan Dautov
National Research Center for Cardiac Surgery, Astana, Astana, Kazakhstan

09:15-09:30
Cardiac MR in Patients after Surgically Corrected Tetralogy of Fallot
Matthias Gutberlet
University of Leipzig, Germany

09:30-09:45
Results of Dynamic Myocardial Perfusion in Patients Before and After Coronary Bypass
Rainer Rienmueller
Medical University Graz, Austria

09:45-10:00
Imaging Analysis of Lung Hypoplasia with High Technology Computed Tomography
Elmira Chuvakova
National Research Medical Center, Astana, Kazakhstan

10:00-10:15
Multislice computed tomography angiography in the diagnosis of a coronary atherosclerosis in people of Kazakhstan
Elmira Yelshinbayeva
National Research Center for Cardiac Surgery, Astana, Kazakhstan

Sunday, September 3 52 Special interest group
08:00-11:45  Session NURSING  Room 5

MODERATORS: Olga Sleigh (UK), Gulnur Nadirbekova (Kazakhstan)

08:00-08:15
The experience of conducting a waiting list of the donor heart, a specialist in nursing on the basis of one center in the Republic of Kazakhstan
Zhadyra Duisenbina
JSC “National Research Center for Cardiac Surgery”, Astana, Kazakhstan.

08:15-08:30
The Role of VAD Coordinators in Treatment and Education of Patients with Implanted Left Ventricular Mechanical Assist Device (HM2, HM3, HW)
Arnut Zhambytlov, Roman Salov.
JSC “National Research Center for Cardiac Surgery”, Astana, Kazakhstan

08:30-08:45
Patient/Nurse Partnership in Thoracic Transplant Patients
Mary Jo Larson
University of Minnesota Medical Center, USA

08:45-09:00
Controlling Hospital Acquired Infection: Focus on the Role of the Environment and New Technologies for Decontamination
Olga Sleigh
Chelsea and Westminster Hospital NHS Foundation Trust, UK

09:00-09:15
Evolution of crimping of delivery system of balloon expandable aortic valves. Experience of NRCSC
Aigerim Sadykova
JSC “National Research Center for Cardiac Surgery”, Astana, Kazakhstan

09:15-09:30
Operation algorithm of operating sister during the sampling of donor organs with using OCS device
Maral Shardenova
JSC “National Research Center for Cardiac Surgery”, Astana, Kazakhstan.

09:30-09:45
Endoscopic sampling of autovenous graft in CABG operation.
Anar Khussainova
JSC “National Research Center for Cardiac Surgery”, Astana, Kazakhstan

09:45-10:00
Post-operative care, prevention of complications
Askhat Tassbulatov
JSC “National Research Center for Cardiac Surgery”, Astana, Kazakhstan
10:00-10:15
ECMO, our experience of nursing
Oralkhan Mikhailov
JSC "National Research Center for Cardiac Surgery", Astana, Kazakhstan

10:15-10:30
Discussion

10:30-11:00
Coffee break

11:00-11:15
Life with artificial valve
Nurlan Terlikbayev
JSC "National Research Center for Cardiac Surgery", Astana, Kazakhstan.

11:15-11:30
Caring for patients after lung and heart transplantation
Anar Tulebayeva
JSC "National Research Center for Cardiac Surgery", Astana, Kazakhstan.

11:30-11:45
Nurses care for pediatric patient with mechanical circulatory support
Ainur Yessenamanova
JSC "National Research Center for Cardiac Surgery", Astana, Kazakhstan.
13:00-14:00 Satellite symposium Medtronic Room 2

2 September
12:00-13:30 Satellite symposium Orion Pharma SECURING MORE TIME AND BALANCE IN CRITICAL CARE Room 4
12:00-13:30 Satellite symposium of Dr. Franz Köhler Chemie GmbH and Vitanova PC UPDATE ON MYOCARDIAL PROTECTION Room 3

3 September
11:00-13:00 Satellite symposium MITG Medtronic VATS lobectomy Room 3

13:00-14:00 Satellite symposium Medtronic Room 2

13:00-13:40
Embryology and electrophysiological anatomy of the human heart for interventional arrhythmologists
Maksim Didenko
Military Medical Academy of S. Kirov, St. Petersburg Russia

13:40-14:00
Discussion

Medtronic
12:00-12:20
Levosimendan in the treatment of chronic heart failure in cardiac surgery hospital
Murat Mukarov
Astana, Kazakhstan

12:20-12:40
Dexmedetomidine in post-cardiac surgery intensive care: lessons learnt
Axel Kleinsasser
Innsbruck, Austria

12:40-13:00
Perioperative pharmacological organoprotection with alpha-2 agonists
Gorokhovatskiy Yury
Moscow, Russia

13:00-13:30
Discussion

12:00-12:20
Introduction by the chairman
David J. Chambers
London, United Kingdom

12:20-12:40
Our experience of using Custodiol in pediatric surgery
Alexey Popov
Moscow, Russia

12:40-13:00
Myocardial protection in minimal invasive aortic surgery
Bruno K. Podesser
Vienna, Austria

13:00-13:20
Myocardial protection during minimal invasive mitral valve surgery
Gábor Szabó
Heidelberg, Germany

13:20-13:30
Discussion and summary by the chairman
David J. Chambers
London, United Kingdom
11:00-11:30
Anatomy of VATS lobectomy performance
Vadim Pischik
Clinical hospital №122, St. Petersburg

11:30-12:00
Stages and technique of implementation of VATS lobectomy
Vadim Pischik
Clinical hospital №122, St. Petersburg

12:00-12:30
Possible complications and conversion of VATS lobectomy
Vadim Pischik
Clinical hospital №122, St. Petersburg

12:30-13:00
Discussion
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<td>Safety and Predictors Of Stroke and Adverse Outcome after Carotid Endarterectomy</td>
<td>Pervmyos Ruengsakulrach, Kosin Thupvong, Vitoon Pitigugool, Piyapan Pamormsing, Siriwasan Akanitthapichat, Jamorn Udomkusonsri. Bangkok Heart Hospital, Bangkok Hospital Group, Bangkok, Thailand.</td>
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<td>P004</td>
<td>Impact Of Changes In The Expression Of Metabolic Of Infectious Complications In Patients With Peripheral Atherosclerosis</td>
<td>Anastasia Artemov, Michael Ivanov, Nikolay Lukyanichkov. NWSMU named after I. I. Mechnikov, Saint Petersburg, Russian Federation, I.M. Sechenov First Moscow State Medical University, Moscow, Russian Federation.</td>
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<td>Staged Surgical Repair Of Pulmonary Atresia With Ventral Septal Defect And Severe Pulmonary Arborization Abnormalities</td>
<td>Aleksandr Morozov, Ruben Movsesian, Alexey Shikhranov, Evgeny Grekhov, Aleksandr Latypov, Andrey Tzytko, Gennady Chizhikov, Nikolay Antsygin, Vadim Lubomudrov. Federal Almazov North-West Medical Research Centre, St. Petersburg, Russian Federation, Children's City Hospital №1, St. Petersburg, Russian Federation, Chest Disease Hospital, Al-Kuwait, Kuwait.</td>
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<td>Permanent Epicardial Pacemaker Implantation In Pediatric Age Group</td>
<td>Santosh Kumar. Meenakshi Mission Hospital and Research Centre, Madurai, India.</td>
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<td>Small Diameter Vascular Grafts Made From Electrospun Biodegradable Polymers</td>
<td>Martin Kaláb, Jana Horáková, Petr Mikeš, Ales Šaman, Vladimir Lonský, Jirí Páral, Věra Radochová. Dept. of Cardiosurgery, Faculty of Medicine and Dentistry, Palacky University Olomouc, Olomouc, Czech Republic, Technical University of Liberec, Faculty of Textile, Department of Nonwovens and Nanofibrous Materials, Liberec, Czech Republic, Faculty of Military Health Sciences, University of Defence, Hradec Králové, Hradec Králové, Czech Republic.</td>
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<td>HeartMate 3 Assist Device as Destination Therapy in End-stage Heart Failure Patients</td>
<td>Yuriy Pya, Serik Bekbossynov, Makhhabat Bekbossynova, Assel Medressova, Saltanat Andossova, Saltanat Dzhetbayeva, Muradym Murzogaliyev, Svetlana Novikova. National research cardiac surgery center, Astana, Kazakhstan.</td>
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<td>The Society of Thoracic Surgeons database application in a European context. The first Italian experience</td>
<td>Giuseppe M. Raffa, Marco Turrisi, Michele Pilato. IRCCS-ISMETT (Istituto Mediterraneo per i Trapianti e Terapie ad altaspecializzazione), Palermo, Italy.</td>
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<td>Using Of Bare Metal Stents In Type B Dissection Treatment.</td>
<td>Dmitry Sirota, Alexander Chernyavskiy, Maxim Lyashenko, Dmitry Khvan, Sergey Alsov. Siberian biomedical research center ministry of health Russian Federation, Novosibirsk, Russian Federation.</td>
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<td>Operation Of Surgical Remodeling Of The Heart In Multi-valve Rheumatic Diseases</td>
<td>Feruz Turaev. RSCS, Tashkent, Uzbekistan.</td>
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<td>Roman Yarosh, Liana Shestakova, Dmitriy Krachack, Natalia Peatrovich, Yuriy Ostrovsky. Republican Scientific and Practical Center, Minsk, Belarus.</td>
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<td>Alexander Chernyavskiy, Dmitry Khvan, Dmitry Sirota, Sergey Alsov, Maxim Lyashenko. Siberian Biomedical Research Center Ministry of Health Russia Federation, Novosibirsk, Russian Federation.</td>
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<td>Natallia Feaktsistava, Ann Lukasheевич, Natallia Kazaева, Svetlana Sudjaева, Volga Sudjaева. RSPC, Minsk, Belarus.</td>
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<td>Sergey Leontiev, Piroze Davierwala, Lisa Gaube, Martin Misfeld. Heart Center Leipzig, Leipzig, Germany.</td>
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<td>Mikhail Nuzhdin, Sr., Aleksey Fokin, Denis Logonenko, Yuriy Malinovskiy, Pavel Vereshagin, Vitaly Pupkov, Alik Serazhitdinov, Garik Asatryan. Chelyabinsk Regional Clinical Hospital. Department of Cardiac Surgery, Chelyabinsk, Russian Federation, South Ural State Medical University, Chelyabinsk, Russian Federation.</td>
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<td>Kumar Rahul. King Georges medical university, Lucknow, India.</td>
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<td>Mauro Del Giglio, Simone Calvi, Marco Paris, Alberto Tripodi, Marco Pagliaro, Elisa Mikus. Maria Cecilia Hospital, Cotignola (RA), Italy.</td>
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<td>Sergey Kovalev, Dmitriy Griaznov, Andrey Bulymin, Alexander Kinshov. Voronezh Regional Clinical Hospital, Voronezh, Russian Federation, Voronezh Burdenko State Medical University, Voronezh, Russian Federation.</td>
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<td>Role of Underlying Heart Disease or The Influence of Infection</td>
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<td>Paulo Roberto B. Evora, Solange Bassetto, Lafaiete Alves Junior, Gustavo F. Silva, Luiza S. Mateus, Alfredo José Rodrigues, Walter Vilella A. Vicente. Ribeirão Preto Medical School, University of São Paulo, SP, Brazil, Ribeirão Preto, SP, Brazil.</td>
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<td>Khamidulla Abdumadjidov, Khayrulla Buranov, Ilkhom Khodjakulov, Ilkhom Mirhodjaev. Republican Scientific Center of Surgery named after V.Vakhidov, Tashkent, Uzbekistan.</td>
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<td>Long-term Results Of Plastic Correction Of Mitral Insufficiency With Violating The Integrity Of Chordal-papillary Continuation</td>
<td>Volodymyr Popov, M.D.,Ph.D, Oleksandr Bolshak, M.D., Volodymyr Mnishenko, Vasyl Lazorishinet, M.D.,Ph.D. National Institute of cardio-vascular surgery named after Amosov, Kiev, Ukraine.</td>
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<td>P055</td>
<td>Comparison Of Long-term Results Of Methods Of Surgical Correction Of Mitral Insufficiency With Violating The Integrity Of Chordal-papillary Continuation</td>
<td>Volodymyr Popov, M.D., Ph.D, Oleksandr Bolshak, M.D., Volodymyr Minshenko, Elena Trembovetskaya, M.D., Ph.D, Elena Horoshkovataya, M.D., Anatoliy Rudenko, M.D., Ph.D. National Institute of cardio-vascular surgery named after Amosov, Kiev, Ukraine.</td>
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<td>Daniil Borisov, Aleksandr Zotov, Aleksandr Troitskiy, Robert Khabazov, Sergei Vachev. Federal research Clinical center for specialized types of health care and medical technologies, Moscow, Russian Federation.</td>
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<td>Aleksandr Zotov, Aleksandr Troitskiy, Robert Khabazov, Sergei Vachev, Daniil Borisov. Federal research Clinical center for specialized types of health care and medical technologies, Moscow, Russian Federation.</td>
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<td>Vadim Uryuzhnikov, Sr., Igor Zhbanov, Irakli Kiladze, Armen Martirosyan, Georgy Revishvili, Boris Shabaikin. Petrovsky National Research Center of Surgery, Moscow, Russian Federation.</td>
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<td>Gaurav Goel, Abhishek N Raychura. Sterling Hospital, Vadodara, India.</td>
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<td>Islam Sharipov, Rustam Yarbekov, Muslim Mustaev, Abdulla Ismatov, Sandjar Omonov, Tokhir Vakhidov. Republican Specialized Centre of Cardiology, Tashkent, Uzbekistan.</td>
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<td>Fuad Z. Abdullayev, Sr., Rashad M. Makhmudov, Imadaddin M. Bagirov, Ilgar D. Geybatov, Larisa S. Shikhijeva. Topchibashev Research Centre of Surgery, Baku, Azerbaijan, Central Hospital of Oil Workers, Baku, Azerbaijan.</td>
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<td>Results On “Off Pump” In Patients Older Than 70 Years</td>
<td>A.A. Aytmukhanov G.B. Yakupov. AOUDПЦКБРК, Almaty, Kazakhstan.</td>
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<td>Alibek Mereke, Azamat Merekenov, Mukhtar Kulimbet, Toregen Egemberdiyev, Kazakh National Medical University, Almaty, Kazakhstan, Kazakh Russian Medical University, Almaty, Kazakhstan.</td>
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<td>Turkey Yüksek Ihtisas Training and Research Hospital, Thoracic Surgery and Lung Transplantation Clinic, Ankara, Turkey, Turkey Yüksek Ihtisas Training and Research Hospital, Department of Pediatric Cardiology, Ankara, Turkey, Turkey Yüksek Ihtisas Training and Research Hospital, Department of Pathology, Ankara, Turkey, Numune Training and Research Hospital, Department of Ear, Nose, and Throat Surgery, Ankara, Turkey.</td>
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<td>University Hospital &quot;Shefqet Ndroqi&quot; Thoracic Surgery Service, Tirane, Albania, University Hospital &quot;Shefqet Ndroqi&quot; Anestesiology reanimation Service, Tirane, Albania, University Hospital &quot;Shefqet Ndroqi&quot; Pneumology Service, Tirane, Albania, University Hospital &quot;Shefqet Ndroqi&quot; Anatomopathology Service, Tirane, Albania, University Hospital &quot;Shefqet Ndroqi&quot; Kardiology Service, Tirane, Albania, University Hospital &quot;shefqet Ndroqi&quot; Pneumology Service, Tirane, Albania, University Hospital &quot;Shefqet Ndroqi&quot; Visceral Surgery Service, Tirane, Albania, Medical Faculty of Science Technic Tirana Albania, Tirane, Albania, Public pharmacy service, Kamez,Tirane, Albania, Public pharmacy service, Tirane, Albania.</td>
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<td>Turkey Yüksek Ihtisas Training and Research Hospital, Thoracic Surgery and Lung Transplantation Clinic, Ankara, Turkey, Turkey Yüksek Ihtisas Training and Research Hospital, Department of Pathology, Ankara, Turkey.</td>
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1. The Baiterek Tower

The significance of Baiterek as a symbol of a new stage in the life of the Kazakh people is emphasized by the artistic composition "Ayala Alakan" (Ayala Alakan - "caring hands"), with the impression of the right hand of the president, at an altitude of 97 meters, which symbolizes 1997 - The year of the proclamation of Astana as the new capital of the state and, accordingly, a new starting point in the history of the country.

"Baiterek" with its location and composition structure expresses the ancient nomads, according to the legends of which the World River flows at the junction of the worlds. On its shore rises the Tree of Life - Baiterek (Kazat Bjtekrek - "poplar", also "pillar, protector"), the roots holding the earth, and the crown propping the sky. The roots of this tree, respectively, are in the underworld, the tree itself, its trunk - on the earth, and the crown - in the heavenly.

The National Museum of the Republic of Kazakhstan is the largest museum in Central Asia. The museum was created on behalf of the President of the Republic of Kazakhstan N.Nazarbayev within the framework of the State Program "Cultural Heritage".
The Burabay National Park is a natural park located in the Burabay District, in Akmola Region, Kazakhstan since 1910. Among the landmarks near the lake. Sanatoriums, mud baths, etc. Season - all year round. The main indication for treatment in the sanatoriums of Burabay is a disease of the respiratory system.
EXPO 2017 Astana - One of the largest international expos has come to the capital of Kazakhstan, Astana, in 2017. Theme of the exhibition "Future Energy". The exhibition will be held from 10 June to 10 September 2017. About 100 countries and 10 international organizations participate. At the world specialized exhibition in 2017, the participating countries demonstrate achievements and perspectives in the use of renewable energy sources and their advantages, such as environmental cleanliness, low operating costs and harmlessness to the environment. Over a week, EXPO-2017 was visited by more than 1 million people.

During this period, our facilities were visited by more than 26 thousand foreign visitors. And already received a lot of enthusiasm from the local residents and foreign guests.

For Kazakhstan, EXPO-2017 will become a landmark event: never before has an international exhibition of similar scales been held in the countries of the Central Asian region and the CIS.
5. Astana Opera

The State Opera and Ballet Theater "Astana-Opera" is a theater in Astana, founded on the initiative of the President of Kazakhstan Nursultan Nazarbayev. The building of the theater, built in 2013, is recognized as a national architectural monument.