



Novick Cardiac Alliance
Nizhny Novgorod, Russia
May 14—28, 2016





The Novick Cardiac Alliance is committed to bringing sustainable health care solutions to children with cardiac disease in the developing world.

We are dedicated to improving the skills, knowledge, technology and experience of local health-care providers in regions of the world without access to quality Pediatric Cardiac Care.

We aim to provide comprehensive care to all children with congenital or acquired heart disease regardless of gender, ethnicity, religion, political ideation, genetic factors or economic means.

Our vision is that in the future all children with heart disease, no matter where they are born, will be able to receive the medical and surgical care they require to live a long and healthy life.

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This was our first trip this year to the Specialized Cardio-surgical Clinical Hospital in Nizhny Novgorod, Russia. Since this is a dedicated cardiac center, the local team regularly performs cardiac surgeries for both pediatric patients and adult patients in need. While most of our patients this trip were children, we did have several adult congenital consultations for possible surgeries in the future. During our first week we performed six operations and we performed five operations the second week. We also performed endovascular procedures on five patients and three diagnostic catheterizations.

Patient List

1. Bogdan Smirnov	2 months	ASD closure, VSD closure
2. Alexander Savushin	1 years	VSD closure
3. Alexandra Krasikova	1 year	Relief of Supravalvar PS
4. Baby Efimou	Newborn	Repair of hypoplastic left heart
5. Vladimir Eremenko	4 months	Total repair of Tetralogy of Fallot
6. Elena Glevova	14 years	ASD closure
7. Matvey Kuzhelevskiy	3 years	Fontan procedure
8. Victoria Ustinova	8 months	RPA banding
9. Aminat Radjabova	3 years	Fontan procedure
10. Dmitriy Lobanovski	1 year	Aortic valvuloplasty
11. Artsioum Solin	1 year	Total repair of Tetralogy of Fallot



Patient List

Endovascular Procedures

1. Anna Posphehova	7 years	ASD occluder closure
2. Helen Glebova	14 years	ASD closure
3. Alexey Arhipov	37 years	PDA coil closure
4. Alesy Pronyaeva	3 years	PDA occluder closure
5. Eugeniya Bakaeva	11 months	ASD occluder closure

Diagnostic Catheterizations

1. Julia Sidorova	18 years	Cardiac Catheterization
2. Valery Noginova	2 years	Coronarography
3. Victoria Ustinova	8 months	Cardiac Catheterization



Some of this trip's patients:



Krasikova

Radjabova



Eremenko

Solin



Glebova

Ustinova



Lobanovskiy



Some of this trip's Endovascular patients:



Pronyaeva



Bakaeva



Archipov

Some of this trip's consultations:



Chrapunov



Shirokov



Gorbunov



Cardiac Alliance Team

Dr. William Novick	Surgeon	Tennessee, US
Sergey Liauchonak	Anesthesiologist	Ontario, Canada
Oleksandra Koval	Cardiologist	Kiev, Ukraine
Pavel Shauchenka	Intensivist	Minsk, Belarus
Eugene Suslin	Intensivist	Minsk, Belarus
Frank Molloy	PICU Nurse/Educator	Tennessee, USA
Karen Bowtell	PICU Nurse/Educator	Brisbane, Australia
Zlatko Lazarevic	PICU Nurse	Belgrade, Serbia
Christy Packham	PICU Nurse	London, UK
Artsiom Piarshai	PICU Nurse	Minsk, Belarus
Bronislava Iniakini	PICU Nurse	Minsk, Belarus
Alexander Kryzhanovski	PICU Nurse	Minsk, Belarus



Core Principles of NCA

COLLABORATE

We Collaborate with Governments, Health Ministries, healthcare professionals and Humanitarian Organizations to provide total cardiac care to children in developing countries. The children we serve have limited access to quality care and the families lack the financial resources to seek care elsewhere. This collaboration will enable local health-care authorities to build Pediatric Cardiac care services in-country and in time eliminate the need to send these children abroad for surgery.

EDUCATE

We educate Local health-care professionals and work with their educational institutions to improve the standard of training and hence care provided to children with Heart disease. Our education model is open and flexible and is delivered using multiple modalities. We work with each site individually to find the best template for education and development of clinical judgement. We provide clinical bedside teaching, didactic lectures and ad hoc teaching sessions on site: and encourage the use of internet based resources and access to international academic journals. We are currently in the process of building a virtual learning environment using “Moodle”™ as the platform.

SUSTAIN

Our goal is that our partner site's develop full independence over time and to operate on and care for the children with a home grown team of experts and no continuing need for direct outside assistance. We monitor the quality and effect of our assistance, and tailor our teams size and skill set accordingly. We commit to maintaining professional relationships with those hospitals and personnel well into the future and focus on areas such as academic work, conference attendance and occasional short visits. We have seen that a significant proportion of volunteers and core staff on our teams enthusiastically emerge from previously assisted sites.

INNOVATE

We facilitate practical and affordable solutions to a variety of clinical, technical and patient problems, which are unique to the sites we work in. First world approaches are often unaffordable or inappropriate to the needs of our partner sites. Surgical, Interventional Catheter and ICU techniques are tailored and modified to address the needs of the population we serve. Many of the children we see are much older than would typically be seen in developed countries and consequently the medical and surgical options for these children are very different. Many of these innovations emerge from professionals at our partner sites and we encourage presentation and publication of such in conferences and journals.

Thank you for your generous and continued support and for
helping the children of Russia with
congenital heart disease!



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