



RUSSIAN GIFT OF LIFE, USA

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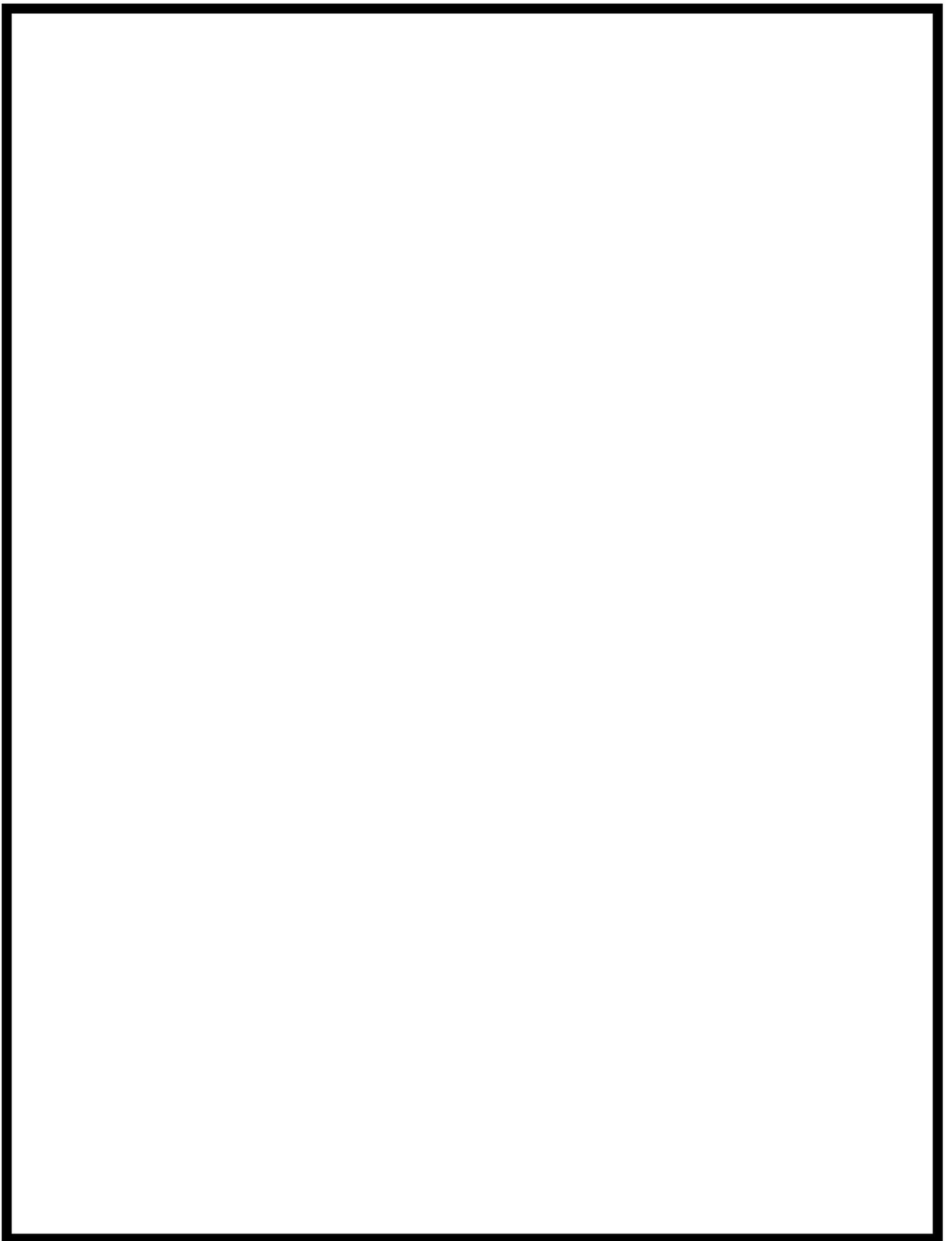
INTERNATIONAL CHILDREN'S HEART FOUNDATION



Together, "Helping Heal the World, One Heart at a Time"

Kemerovo, Siberia, Russia

June 2010



Medical Mission Trip June 5 – 19

The International Children's Heart Foundation made its fourth medical mission trip to the Kemerovo Center of Cardiology on June 5 - 19. The team, led by Cardiovascular Surgeon Dr. William, consisted of one anesthesiologist, one perfusionist, one OR nurse, one cardiologist, two intensivists, six PICU nurses and one student intern. The team came from six different countries, all joining together for one cause -- to save the lives of children with congenital heart defects.

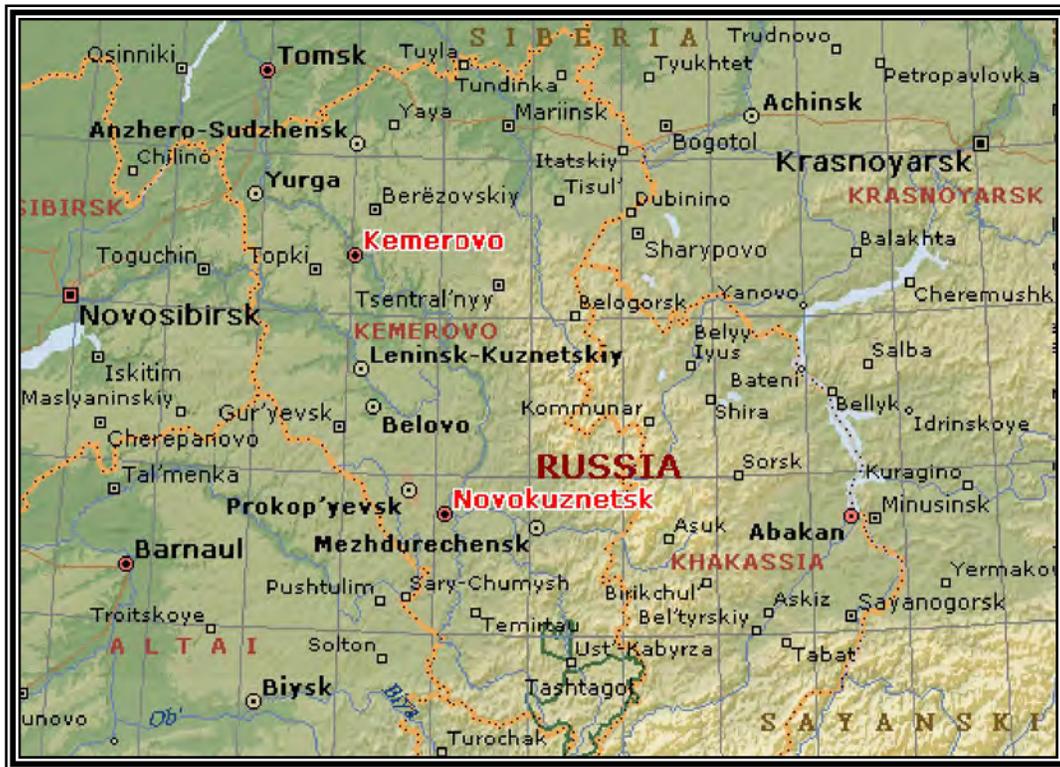
There is an estimated 250 to 270 children with congenital heart defects that need open-heart surgery each year in Kemerovo. Only about 60 to 80 children receive the surgery they need. The Division of Pediatric and Congenital Heart Disease was established in Kemerovo four years ago and the surgeons have been performing open heart surgery on children over 12 months of age only and none with complex disease. But a large number of children with congenital heart disease need to be operated on during the first year of life or they will die. Children who need surgery emergently are being transported to other centers far away. Due to transportation problems and the critical condition of the children, many do not survive.

During our team's visit to the Kemerovo Center of Cardiology 18 children received operations that would not have been possible without the support of the Russian Gift of Life, USA. Additionally, our volunteer doctors, nurses and technicians worked along side the local staff teaching them the latest techniques in taking care of children with congenital heart defects.



The International Children's Heart Foundation extends its sincere thanks to the Russian Gift of Life, USA for helping make this trip possible and for providing hope to 18 children and their families. The parents of the children that benefited from these operations were extremely happy and appreciative of the "gift of life" that their children had received.

Kemerovo, Siberia, Russia



The city is located 2,164 miles east of Moscow. It is an important industrial city developed during Soviet times with important chemical, fertilizer, and manufacturing industries and is linked to western Russia by a branch of the Trans-Siberian Railway. Since the disintegration of the Soviet Union, the city's industries have experienced a severe decline, creating high levels of unemployment.

Over 3 million people live here, mostly in large cities. In fact, Kemerovo Region is a very urbanized part of Russia, with about 87% of the population residing in cities. Kemerovo Region is also known as Kuzbass - from "Kuznetsk basin" - the name of the largest coal deposit on earth, which is located here.

Siberia is a very large area stretching from the Ural Mountains on the west to the Pacific Ocean on the east. All of Europe could fit inside of Siberia several times over. It is a part of Russia, the largest country in the world.

Kristina Samsonova



Kristina is 4 years old and was diagnosed with atrial septal defect (ASD). ASD is an opening or a hole in the wall (septum) between the two upper chambers (atria) of the heart. ASD's account for about 7% of all congenital heart defects, making them the third most common type. On June 8, Kristina received her operation and is expected to fully recover!

Semen Solomin



Two month old, Semen, was diagnosed with aortic stenosis (AS). Aortic stenosis is where the aortic valve or the vessel above the aortic valve is narrowed. This reduces oxygenated blood flow to the body and overworks the left ventricle. The prevalence of aortic stenosis is increasing. Since this disease carries with it considerable morbidity and mortality, both with large personal and economical impact, aortic stenosis is a major health problem. It occurs in approximately 4 to 6 children born with congenital heart disease. Congenital aortic stenosis occurs three times more often in boys than in girls.

Semen received his operation on June 10 and is recovering well. Most children who have had an aortic stenosis surgical repair will live healthy lives. Activity levels, appetite and growth should eventually return to normal. Thanks to our sponsors and team members, Semen now has a second chance to live a normal life.

Artem Chigen



Artem is 6 years old and was diagnosed with a rare congenital heart defect called Ebstein's Anomaly, also known as Ebstein's malformation. In patients with Ebstein's anomaly, the valve between the chambers on the right side of the heart (the tricuspid valve) does not close correctly. The right side of the heart is where blood returns from the rest of the body and gets pumped out to the lungs to pick up oxygen again.

The tricuspid valve has three small flaps (leaflets). Normally, these leaflets open so that blood can flow from the right atrium (the top chamber of the heart) down into the right ventricle (the bottom chamber of the heart). The valve closes while the heart pumps so that blood cannot flow backwards.

On June 7, the ICHF team repaired Artem's tricuspid valve. Now that the tricuspid valve has been repaired, the leaflets will be able to open and close correctly. Artem now has a second chance to live a normal life.

Sasha Morozov



Nine month old, Sasha, was born with complete atrioventricular canal defect (CAVC). CAVC is a severe defect in which there is a large hole in the center of the heart, where the upper chambers (atria) and lower chambers (ventricles) meet. As a result of the abnormal passageway between the two sides of the heart, blood from both sides mix, and too much blood circulates back to the lungs before it travels through the body. This means the heart works harder than it should have to, and will become enlarged and damaged if the problems aren't repaired.

Sasha was able to receive total repair of his heart defect on June 11.

Michail Pershikov



Michail is an adorable 10 month old who was diagnosed with pulmonary atresia with ventricular septal defect and transposition of the great arteries. Pulmonary atresia is cyanotic congenital heart disease characterized by underdevelopment of the right ventricular outflow tract with absence of the pulmonary valve. Michail received total repair of his heart defects on June 9 and a full recovery is expected.

Vjacheslav Surovikin



Vjacheslav is a 28 year old male who was diagnosed with anomalous left coronary artery from the pulmonary artery (ALCAPA). ALCAPA is a rare but very serious heart defect. In this defect, the left coronary artery (which carries the blood to the heart muscle) is connected to the pulmonary artery instead of the aorta. When the left coronary artery starts in the pulmonary artery, it carries oxygen-poor blood to the left side of the heart. When the heart does not get enough oxygen, it begins to die, a condition leading to a heart attack.

Because of our wonderful sponsors and volunteer team members, the ICHF team was able to correct this defect for Vjacheslav. He is very grateful to have been given this opportunity and hopes that we will continue to help people around the world in need.

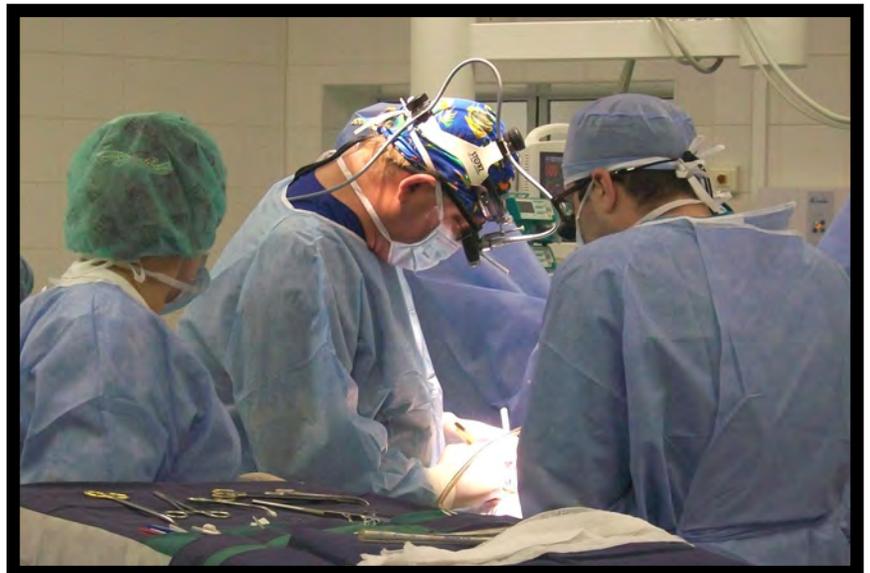
Patient List

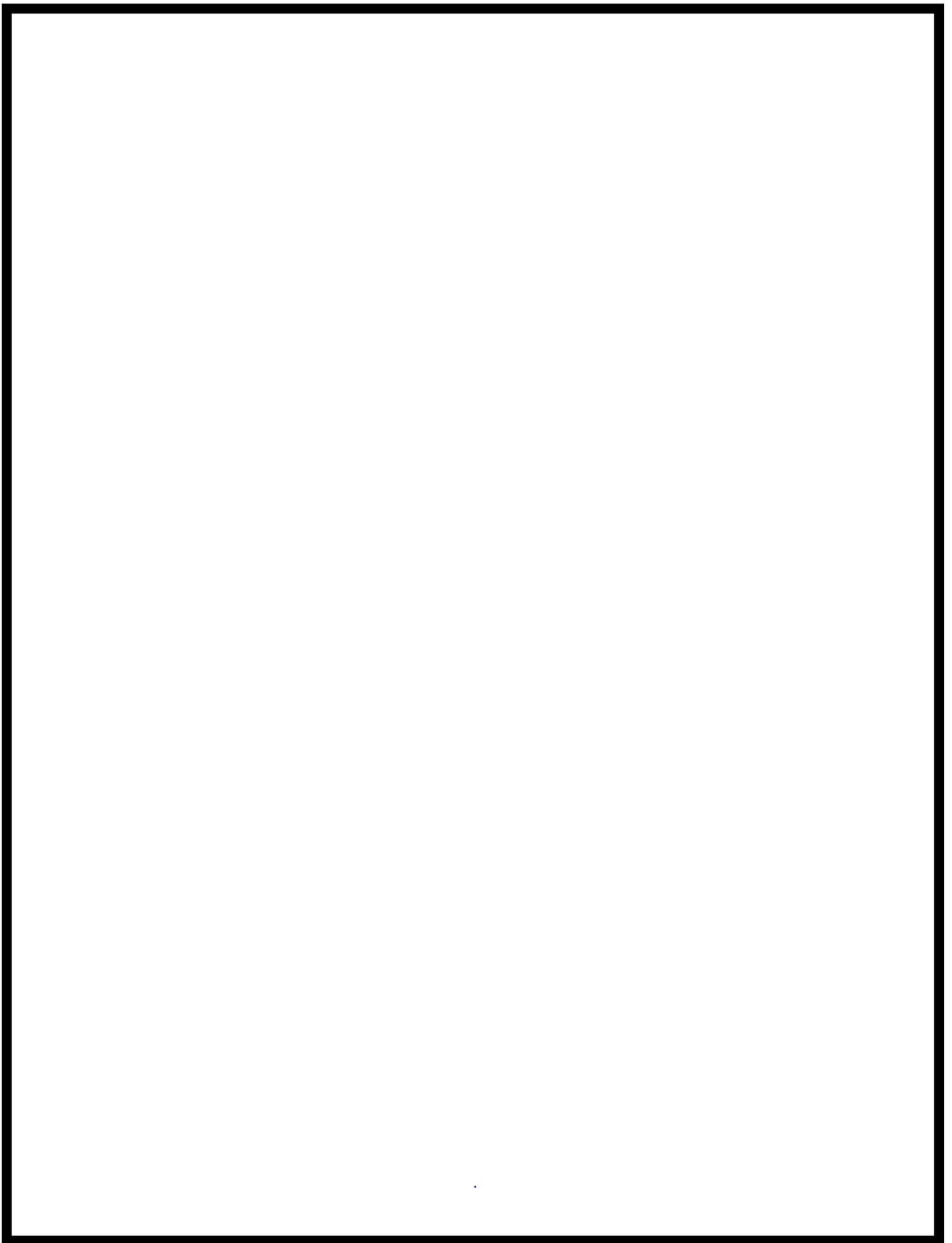
Name	Age	Procedure
Michail Akulov	2 months	PA Banding
Victoria Alexeeva	5 days	Atrial Switch Operation & VSD Closure
Ilja Bojarov	3 months	Total Repair of TOF
Klim Bolotov	27 days	VSD Closure, PDA Ligation and Total Repair of PFO
Artem Chigen	6 years	Tricuspid Valve Repair
Alexandr Doctorenko	5 months	Left Coronary Artery Elongation
Timur Gamojunov	5 months	VSD Closure
Egor Gnedash	11 months	Glenn Operation
Nikita Grebnev	2 months	Modified Blalock-Taussig Shunt
Svetlana Kareva	5 months	Dilation of Pulmonary Veins, Reimplantation of Veins in Left Artery, Atrioseptostomy & Pulmonary Artery Banding
Sasha Morozov	9 months	Total Repair
Darita Nadjanova	8 years	Resection of Muscle & VSD Closure
Egor Orechov	6 years	Resection of Subaortic Membrane
Michail Pershikov	10 months	Total Repair
Kristina Samsonova	4 years	ASD Closure
Roman Sitchev	5 years	Total Repair
Semen Solomin	2 months	Commissurotomy
Vjacheslav Surovikin	28 years	Left Coronary Artery Elongation



Medical Team

Name	Position	Origin
William M. Novick	Surgeon	United States
Mark Henderson	Perfusionist	Canada
Annette Davis	Anesthesiologist	Ireland
Kentigern Thoburn	Intensivist	United Kingdom
Stephen Kerr	Intensivist	United Kingdom
Martina Pavanic	OR Nurse	United States
Kenneth Zahka	Cardiologist	United States
Andrew Darbyshire	PICU Nurse	United Kingdom
Rebecca Hill	PICU Nurse	United Kingdom
Dawn Marsh	PICU Nurse	United Kingdom
Viktoryia Buina	PICU Nurse	Belarus
Katie Barcock	PICU Nurse	United Kingdom
Pauline Holt	PICU Nurse	United Kingdom
Irina Subbotina	Student Intern	Germany







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