

INTO the HEARTLAND CAMPAIGN

**SITE: TOMSK
REGION: SIBERIA**

**APRIL 14-26, 2009
SURGICAL-EDUCATIONAL
MISSION IV**



PATIENT PROFILE

Child	Ivan S.
Age	9 years 10 months
DOB	June 8, 1999
Birth Wt.	5 lbs 10 oz
Current Wt.	61 lbs 9 oz
Home	Voronezh 1,141 miles from Tomsk
Mother	Elena
Father	Yuri
Diagnosis	Tricuspid valve atresia, VSD, Pulmonary stenosis, S/p BT shunt (2000, Bakulev), S/p Glenn anastomosis (2002, Bakulev), S/p Fontan (2007, Mayo Clinic)
Procedures	Cardiac catheterization, Close fenestration using Amplatzer device April 21, 2009
Discharged	April 28, 2009

THE HOUSEHOLD AND THE FAMILY

Ivan is nearly 10 years old and lives in Voronezh with his father, Yuri; his fourteen-year-old sister Polina; and Yuri's father. Given Yuri's day-to-day family responsibilities, full-time work is not possible.

Ivan started first grade, but was asked to withdraw when a child in his school died of heart disease. It is not unusual for Russian schools to refuse to admit a child with a health problem. Since then, Ivan has been tutored at home. Yuri says that Ivan loves computers and thinks he may want to work with computers in adulthood.

CHILD'S DEVELOPMENT AND MEDICAL HISTORY

Yuri learned that his son had a very complex heart problem when Ivan was two days old. Ivan had his first open-heart surgery, at the Bakulev Heart Center in Moscow, when he was 8 months old, a palliative procedure known as a Blalock Taussig shunt. Ivan underwent the second of three planned open-heart surgeries (a Glenn anastomosis) at the Bakulev when he was 2 years old.

At the request of Russian Gift of Life, USA (RGOL), Heart to Heart cardiologist Dr. Frank Cetta examined Ivan in 2006. RGOL and Heart to Heart teamed up with the Mayo Clinic to bring Ivan to Rochester, Minnesota for his third open-heart surgery – at the age of 7. Through Mayo Clinic's generous International Charity Program, cardiac specialists Frank Cetta and Joe Dearani successfully performed a Fontan operation, the final-stage repair for Ivan's heart.

Ivan is developing normally. His heart performs its required functions, sending blood to his lungs for oxygenation and circulating blood throughout his body. However, after three open-heart surgeries to repair his congenitally-malformed heart, Ivan's heart is truly unique and does not look similar to a "normal" heart.

CURRENT CONDITION

Russian Gift of Life, USA has kindly and generously overseen Ivan's on-going care for many years. Over the last few years in particular, this support has enabled a consistent team of specialists to successfully manage Ivan's complex heart condition. In anticipation of Heart to Heart's arrival this year, RGOL arranged and underwrote the travel (an arduous three-day train journey) and medical expenses for what everyone expects will be Ivan's final cardiac procedure – a minimally-invasive catheter-based procedure to close a fenestration (hole) purposefully created by the Mayo surgical team as a temporary post-operative measure.

While waiting for his cardiac catheterization, Ivan enjoys the company of his three roommates, close to his own age. They laugh and play, having a good time together. Ivan is a handsome, bright boy with very good manners, comfortable speaking to adults.

Dr. Frank Cetta successfully closed Ivan's fenestration on April 21, using an Amplatzer device (cost approximately \$5,000US, also paid for by RGOL). Ivan returned home one week later. We hope to stay in touch with Ivan as he grows up!

Based on an interview conducted in Tomsk by Heart to Heart volunteer Lynn Graham, RN through Russian interpreter Olga Chernyakova.