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INTERNATIONAL CHILDREN'S HEART FOUNDATION



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

Assiut, Egypt

June 2011

Medical Mission Trip June 4-18, 2011

The International Children's Heart Foundation made its third medical mission trip to the Assiut Children's Hospital, Assiut University on June 4-18. The team, led by Cardiovascular Surgeon Dr. William Novick and consisted of one perfusionist, one OR nurse, two intensivists, one cardiologist, six PICU nurses, and one respiratory therapist. The team came from four different countries, all joining together for one cause - to save the lives of children with congenital heart defects.



During our team's visit to the Assiut Children's Hospital, Assiut University, 13 children received operations that would not have been possible without the support of our sponsors. 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 Gift of Life Northeast Ohio, District #6630 for helping make this trip possible and for providing hope to 13 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.

Assiut, Egypt



Assiut, or Asyût, is the largest city in Upper Egypt and is located about 190 miles south of Cairo. It is an old city which was founded in the times of the pharaohs. Twenty five percent of the country's 71 million people live below the poverty line of less than \$1 a day. Of this group, over half live in Upper Egypt. The birth rate in Egypt, as of 2009, is 21.7 per 1,000 persons in the population. Each year, one percent of these children are born with congenital heart defects. About 40 percent of rural school children are anemic and 2.7 million children engage in some form of work. The death rate for children under the age of five in Egypt is 41 per every 1,000 births, while the neonatal death rate is 33 per every 1,000 births, representing over 60,000 deaths per year.

Mostafa Biayomy

Mostafa Biayomy is a two and a half year old boy from Assiut. Physicians diagnosed Mostafa with Tetralogy of Fallot (TOF) at birth because of cyanosis (blue-tinged skin), which appeared all over his body, especially his face.

Mostafa has suffered from respiratory distress his entire life. Although Mostafa was able to run, ride his bike, and play with his older sister, he would become exhausted quickly, unable to take breaths, and affected by cyanosis.



TOF is a complex condition consisting of four heart defects:

- A large ventricular septal defect
- Pulmonary stenosis
- Right ventricular hypertrophy
- An overriding aorta

Thanks to our sponsors and team members, Mostafa received a complete repair of his defect on June 7. He is expected to make a full recovery.

Mostafa's mother thanks the team for their dedication and effort. She is so grateful that her son is finally healthy for the first time in his life.

Khalid Gharib



Khalid Gharib, currently 18 months old, was diagnosed with a double inlet double outlet single ventricle when he was five months old. This is a serious condition which causes oxygenated and deoxygenated blood to mix in the heart, reducing the amount of oxygen carried to the rest of the body.

Khalid's mother took him to a physician in Assiut upon witnessing cyanosis while he cried, as well as continuous vomiting. The physician discovered a heart murmur and advised the mother to get an echo done. The full diagnosis was made after the echo, and Khalid was then approved for the waiting list of surgeries in Assiut.



On June 7, after months of waiting for a cure, Khalid received surgery to repair his complicated defect. Khalid's mother thanks the team for their hard work, saying "good job!" She is happy to know that Khalid will be able to run and play with his older brothers and sister.

Hessin Mohammed



Hessin is two years old. When he was sixteen months old, his mother took him to a doctor because of a severe cold. The doctor referred them to the university hospital.

At the hospital, Hessin was diagnosed with Tetralogy of fallot, and absent pulmonary valve. The doctor told his shocked parents that an American team was coming to help their son.

Hessin received a complete repair of his defect on June 9.

Hessin's parents want to share their thanks with the volunteers and sponsors who saved their son. "Thank you very much. You take good care of the children, and do good deeds."

Eman Mostafa



Eman Mostafa is a fifteen-month-old girl from Assiut. She first showed high hyperbilirubimia (extreme jaundice) seven days after birth.

She was taken to a physician, who noticed that she had a fast rate of respiration and referred her to the University hospital. The doctors at the hospital did an echocardiogram, and a diagnosis of Ventricular Septal Defect, Atrial Septal Defect, and D-TGA was made when she was ten days old.

Eman could not tolerate food very well due to her condition, and often suffered from cyanosis (blue-tinted skin) and tachycardia (fast, abnormal heart rate) after eating.

On June 11, Eman received an operation which will greatly improve the quality and comfort of her life.

Eman's mother would like to say thank you to the local team, volunteers, and sponsors. She states that the local team and volunteers gave her child excellent care and were very helpful and responsive to their needs.



Adham Khalid



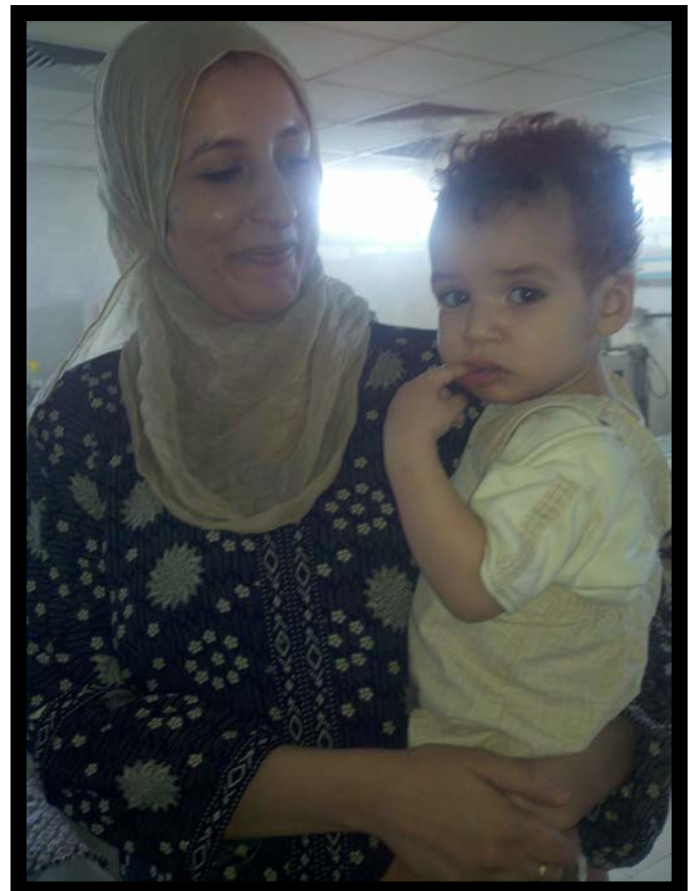
Adham Khalid is a 14-month-old boy who has had a very strong pulse for four months. Upon receiving a vaccination, Adham developed a strong fever. Adham's mother went to a physician in Assiut, who told her that her son had a heart murmur and advised her to consult a cardiologist.

Adham was diagnosed with Double Opening Right Ventricle, as well as Ventricular Septal Defect. Initially, Adham's mother was told that it would be impossible for her son to receive treatment in Egypt. The only solution, she was told, would be an expensive surgery in the United States. Although Adham's father is an accountant, his family would not be able to afford the travel and surgical costs of such a trip.

For one year, Adham's mother sought treatment from multiple surgeons in Egypt who all told her the same thing: her son would have to wait an indefinite amount of time before an able surgeon could be found.

Finally, she was referred to the University hospital in Assiut, where she was told that the American team would come and operate on her son.

On June 10, Adham received the surgery that his mother was searching for. She sends her thanks to the ICHF, and states that the local team and volunteers have done "good work and perfect care." She is very thankful that she did not have to go abroad to save her son's life, and that he was able to have a low cost surgery within her hometown.



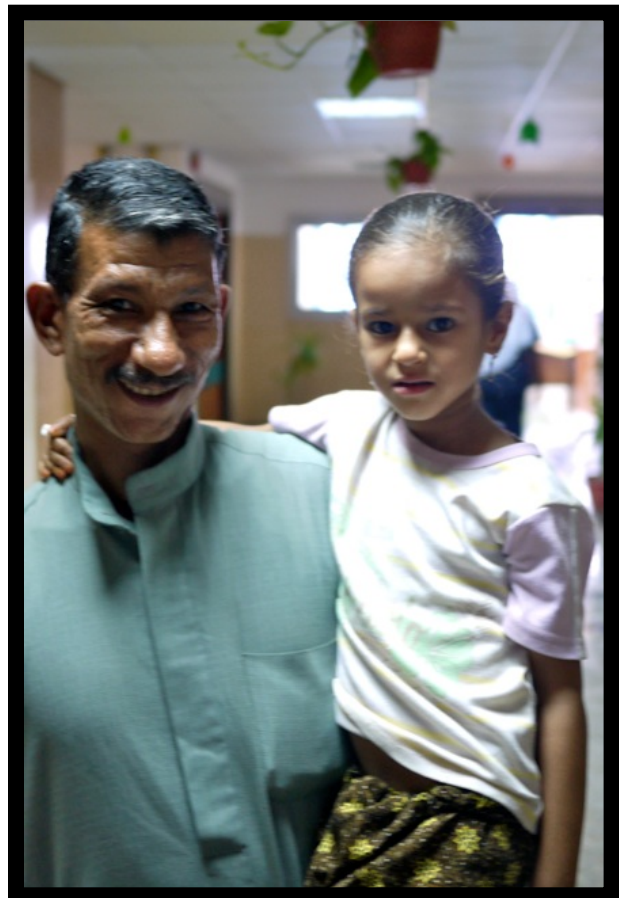
Faraha Ali Hassan



Five-year old Faraha Ali Hasan began to show symptoms of her heart condition when she was 6 months old. Her heart would beat quickly and with an abnormal rhythm, causing fainting spells. She was diagnosed with aortic stenosis (a narrowing of the aortic valve or the vessel above the aortic valve). Her doctor prescribed many different treatments, none of which were effective.

Faraha's condition has prevented her from eating heavy meals, and she suffers from slight malnutrition as a result. Breathing difficulties have also kept her from running and playing like other 5-year olds.

Faraha received an operation on June 10, 2011. She is expected to recover fully. Once she returns home, she will be able to play with her brother and sister on the farm where her father works. Faraha's mother says that the local staff, ICHF volunteers, and sponsors are good people, and would like to thank them all for their hard work. This little girl's life has been saved, and she and her family are so grateful.



Patient List

Name	Age	Procedure
Mostafa Biayomy	2.5 years	TOF Repair
Khalid Gharib	1.5 years	Atrial Septectomy, PDA Ligation, PA Banding
Norhan Ahmed	6 years	TOF Repair, RV-PA valved conduit
Youssif Ahmed	5 months	Atrial Septectomy, BT shunt
Menna Hassan	7 months	Bilateral BDG, TAPVR repair
Adham Khalid	14 months	Left BT Shunt, Ligation of Left-sided MAPCAs.
Faraha Ali Hassan	5 years	Subaortic Membrane Resection
Eman Mostafa	15 months	Removal of PAB, ASO, ASD closure, VSD closure, PDA ligation
Ahmed Mostafa	5 months	RPA Shunt
Hessin Mohammad	2 years	RVOT Resection
Gaber Ali	3.5 years	Rastelli
Bilal Hussain	6 months	RAB, Atrial Septectomy
Safaa Kamal	4.5 years	VSD repair, PDA ligation



Medical Team

Name	Position	Origin
William M. Novick	Surgeon	United States
Carole Deally	Intensivist	Canada
Fatimah Rajah	Intensivist	United Kingdom
Alison Flemming	PICU Nurse	Australia
Caroline Lonsdale	PICU Nurse	United Kingdom
Bonnie Walker	PICU Nurse	United States
Erin Mounger	PICU Nurse	United States
Jewell Booth	PICU Nurse	United States
Shana Piontek	PICU Nurse	United States
John Dickson	Respiratory Therapist	United States
Srinadh Rao	Cardiologist	United States
Michelle Burgos	Perfusionist	United States
Victor Baum	Anesthesiologist	United States
Erin Brenner	OR Nurse	United States
Sun Kim	Student	United States





1750 Madison Avenue, Suite 500
Memphis, TN 38104
Phone: (901)869-4243
Fax: (901)432-4243
Website: www.babyheart.org