June 2012
SKILLS TRANSFER WORKSHOP
Uganda Heart Institute, Mulago Hospital Complex

EMPOWERING UGANDANS TO CARE FOR UGANDANS
DEVELOPMENT OF A SUSTAINABLE PEDIATRIC CARDIAC SURGERY PROGRAM
BUILDING A HEALTHY FUTURE FOR THE CHILDREN OF UGANDA

June 4th - 8th, 2012
Sponsored by:
Gift of Life 7490
Chain of Hope UK
Gift of Life 5340 Foundation contributes in excess of $120,000

Specialized equipment has been acquired through Rotary matching grants.

The Gift of Life 5340 Foundation based in La Jolla, California has been instrumental in coordinating two Rotary matching grants in the past two years contributing more than $120,000 in specialized equipment to the Our Hearts are in Uganda program at the Uganda Heart Institute. These grants funded the purchase of a blood gas analyzer in 2011 as well as a state-of-the-art echocardiogram machine with a Transesophageal Echocardiography (TEE) probe in 2012. The Gift of Life 5340 Foundation is now partnering once again with the Rotary Club of Kampala West to secure a third grant of approximately $80,000 to purchase Telemedicine equipment during the 2012-13 Rotary year.

The addition of this specialized equipment to the pediatric cardiac surgery program at Mulago Hospital will not only improve patient outcomes but will also strengthen the sustainability of the program allowing the surgical team to utilize the skills they have learned to save the lives of the Ugandan children in their own country.

The following Rotary programs have contributed to these grants: Rancho Bernardo Sunrise, Point Loma (San Diego), La Jolla (Noon), La Jolla Golden Triangle, La Mesa, San Luis Rey (Oceanside), La Jolla Sunrise, Kampala West, Rotary District 9200, and Rotary International.

Our goal is to operate on 100 children in 2012 while continuing our efforts to empower Ugandans to care for Ugandans.

Thank you!
Rotary District 7490 Gift of Life Foundation
In Loving Memory

Scovia Namusumba
1996 - 2012

Sixteen year old Scovia was living on borrowed time. Her family brought her to the Uganda Heart Institute in hope that the very complex surgery performed on June 6th, 2012 would save her life. Although Scovia survived the surgery, she was not able to fully recover. She passed away on June 11th, 2012 after a very long battle with a rare heart condition known as EMF.

Despite her tragic loss, Scovia's mother was grateful for the opportunity to try to save her daughter's life.

Scovia will be missed by the entire team of Gift of Life International, Chain of Hope and the Uganda Heart Institute who worked tirelessly to try to save her life. Mostly, she will be missed by her loving family.

May her soul rest in eternal peace.

Global Network Continues to Help Develop Sustainable Pediatric Cardiac Program at the Uganda Heart Institute in Kampala, Uganda

Gift of Life International is proud to work with a global network of organizations which are focused on the development of a sustainable pediatric cardiac surgery program at the Uganda Heart Institute (UHI). During the week of June 3rd to June 7th, Gift of Life International was honored to partner with the Gift of Life Program in Rotary District 7490 and Chain of Hope UK to conduct the 7th Skills Transfer Workshop at the Uganda Heart Institute under the ‘Our Hearts Are in Uganda’ Initiative. Gift of Life 7490 was represented by Ray Hough (District 7490 GOL Program Committee Chairman) and Joe Laurenzi (Rotary District 7490 GOL Foundation Chairman). The expert team from Chain of Hope UK partnered with the Ugandan Surgical Team to operate on 10 children. Of these children, the first-ever surgeries in Uganda to treat children suffering from Endomyocardial Fibrosis (EMF) were performed. Unfortunately, one of the children that suffered from EMF did not survive. However, the other 9 children (including the other child with EMF) have recovered from their surgeries and returned to their homes.

All surgeries were performed by the Ugandan team with oversight and training from the visiting surgeons, Professor Sir Magdi Yacoub and Professor Vibeke Hjortdal. This is the second training mission which both Professors have participated in as part of the Gift of Life International program at UHI. The EMF surgeries were led by Professor Yacoub and Professor Hjortdal oversaw the remaining surgeries.

The goal of Gift of Life International and its partners is to develop a sustainable pediatric cardiac program at UHI. Training missions such as this one are central to the ultimate creation of a reliable, sustainable program. The training which takes place for the entire Ugandan team provides necessary skills transfer while children continue to receive life-saving surgeries. The overall goal of this year’s efforts are to operate on over 100 children at UHI.
Heart Felt Thanks

This life-saving surgical mission would not have been possible without the kindness, generosity and dedication of many individuals and organizations from Uganda, the UK and the United States. Gift of Life International is pleased to welcome back an existing partner and, also, welcome a new one in their efforts to empower the Ugandan Pediatric Cardiac Team to care for their own children.

The Gift of Life program of Rotary District 7490 sponsored its first-ever mission to Uganda. Rotary District 7490 Gift of Life Foundation Chairman, Joe Laurenzi and District Gift of Life Program Committee Chairman, Ray Hough represented one of the oldest and most successful Gift of Life programs around the world. Over the years GOL 7490 has sponsored the surgeries of over 800 children while leading medical missions to Ecuador, Honduras and Vietnam. It is a great honor to now have them as a partner in the effort to develop a sustainable pediatric cardiac program at UHI. We hope to have GOL 7490 continue its support of the Ugandan Surgical Team.

Chain of Hope UK (COH UK) returned to Uganda for its second training mission in two years. Led by world-renowned pediatric cardiac surgeon Professor Sir Magdi Yacoub, this well-regarded team worked tirelessly to ensure that the children received the best possible care while at the same time ensuring that the Ugandan Team was provided critical training. We would like to thank the Chain of Hope UK organization for its enthusiastic support of our efforts in Uganda and, especially, the work of Professor Yacoub. His drive, for his work with the Ugandan surgeons. Also a heart felt thanks to COH UK mission coordinator, Lucy Ossack, for coordinating the acquisition and delivery of mission supplies and all logistics for the COH UK team.

A special thank you goes out to the Kampala North Rotary Club for sponsoring the lunches for the visiting team and to the UHI staff for providing transportation throughout the training visit.

A special thank you to Gift of Life International Ambassador and Rotarian, Grace Agwara, for coordinating all aspects of the mission. Being the first ever gift of life recipient, your commitment to the children of Uganda and working to give them hope is wonderful.

GIFT OF LIFE INTERNATIONAL also contributed to the funding, logistics and organization of the mission.

Gift of Life International would like to give thanks to the entire nursing staff, residents, social workers, technical staff and everyone at the Uganda Heart Institute for their assistance in making this mission a success.

Rihanna Kwirkiriza

Age: 4 months old
Number of Family Members: 3
Hospital: Uganda Heart Institute
Surgery Date: June 11, 2012
Sponsored by: Paramus High School Interact Club

Rihanna is only 4 months old and lives in Kibale. She was born with a heart defect known as Patent Ductus Arteriosus (PDA) and received the necessary surgery to correct this malady on June 11th, 2012. Rihanna was the youngest child to receive surgery during this week. Her surgery was performed by the Ugandan doctors at the Uganda Heart Institute following the Skills Transfer Workshop. Rihanna is an only child. Her mother is a housewife and her father works to support the family. Rihanna was very fortunate to have her heart repaired at such a young age. She will now have the opportunity to live a healthy life.
Sunny Atuhaire
Age: 10 years old
Number of Family Members: 2
Hospital: Uganda Heart Institute
Surgery Date: June 11, 2012
Sponsored by: Rotary District 7490
Gift of Life Foundation

Sunny was born with a heart defect known as Patent Ductus Arteriosus (PDA) and received the necessary surgery to correct this malady on June 11th, 2012. Her surgery was performed by the Ugandan doctors at the Uganda Heart Institute following the Skills Transfer Workshop. Besides having a heart condition, Sunny is also partially deaf and studies in Primary Two at a deaf school in Masindi. She has been raised by her single mom with whom she has a very special bond. Sunny loves to color and take photos.

Special Visits at the Uganda Heart Institute

Minister Ruhakana Rugunda with
Professor Sir Magdi Yacoub

Members of the Indian Association Board of Directors
with Rob Raylman (GOL) and Lucy Ousack (COH)

The Honorable Minister of Information and Communication Technology for Uganda, Ruhakana Rugunda, paid a visit to Mulago Hospital and the Uganda Heart Institute during the mission. He has been a proponent of Uganda treating its own children for many years now and has been very supportive of our efforts. Minister Rugunda has a great sense of global issues thanks to his holding of the position as Uganda’s Permanent Representative to the United Nations from January 2009 to May 2011. The Minister’s visit was a motivation to us all.

We would like to thank members of the Indian Association’s Board of Directors for their visit to the Uganda Heart Institute. The Indian Association has a great tradition for helping Ugandan children in need and we are optimistic that they will decide to join our cause.

Fundamental Organizations

- Rotary District 7490 Gift of Life Foundation
- Chain of Hope UK
- Gift of Life International
- Uganda Heart Institute - Mulago Hospital
- Rotary Club of Kampala North
The Participating Medical Teams

The Chain of Hope UK training team based in London, England:

- Pediatric Cardiac Surgeons: Professor Sir Magdi Yacoub, Professor Vibeke Hjortdal
- Intensivists: Dr. Inthikab Zafuraillah, Dr. Joao Macave
- Anesthesiologist: Dr. Cleopatra Patterson
- Perfusionist: Mr. Indie Bikhoo
- Theatre Nurse: Ms. Jackie O’Neill
- Mission Coordinator: Miss Lucy Ossack
- Child Support Volunteer: Mrs. Claire Finlay
- ICU Nurses: Ms. Ines Soute, Ms. Maura O’Callaghan, Ms. Gail Murphy, Ms. Nicola Sampson

The Uganda Heart Institute pediatric cardiac medical team from Mulago Hospital:

- Pediatric Cardiac Surgeons: Dr. John Omagino (Director), Dr. Tom Mwamba, Dr. Michael Oketcho
- Pediatric Cardiologists: Dr. Peter Lwabi, Dr. Sulaiman Lubega, Dr. Aliku Tawalib (Resident)
- Adult Cardiologists: Dr. Nyakoojo-Abwoli, Dr. Sebatta Elias, Dr. Okello Emmy (Resident)
- Perfusionists: Dr. Muraa Pascaline
- Anesthesiologist: Dr. Cephus Mijumbi, Dr. Ejiku Joseph
- ICT Technician: Enoch Kibalizi
- Scrub Nurses: Munduru Gertrude, Obwin John, Oyang Ben
- Physiotherapists: Egwariwa Nancy
- Procurement Officer: Okwara Edward
- Secretary/Assistant Coordinator: Anne Bukunya
- Biomedical: Milad Nashat (Engineer), Robert Malungu (Technician)
- Pharmacy: Afandra Philip
- Head Laboratory: Kebula John
- Records Officer: Jaika Patrick
- Stores: Ngobi Bob, Birungi Susan

Melvin Kaburanga

Age: 3 years old
Number of Family Members: 2
Hospital: Uganda Heart Institute
Surgery Date: June 11, 2012
Sponsored by: Rotary District 7490
Gift of Life Foundation

Melvin was diagnosed with a heart defect known as Atrial Septal Defect and received corrective open-heart surgery on June 11th, 2012 by the Ugandan medical team without expatriate support. Melvin lives with his father in Buologa. Both were very happy when they arrived at the Uganda Heart Institute for his surgery knowing that the wait for help was finally over. Melvin will now live a healthy life thanks to the life-saving heart surgery he received.
Nicholas Kyazze
Age: 5 years old
Number of Family Members: 4
Hospital: Uganda Heart Institute
Surgery Date: June 7, 2012
Sponsored by: Rotary District 7490
Gift of Life Foundation

Nicholas was diagnosed with a heart defect known as Tetrology of Fallot and received corrective open-heart surgery on June 7th, 2012. This type of malady causes children like Nicholas to tire very easily and at times turn blue from lack of oxygen. Nicholas has not been able to attend school since he does not feel well and has very little energy. He is the second born of two children. Both his parents are farmers in Kidera in Iganga District. They both left their farms to stay at the hospital with Nicholas the entire week of his surgery. Nicholas is doing well, is back home with this family and is looking forward to starting school now that his heart has been healed.

Thank You

Chain of Hope
The Children

The screening of the patients was conducted in advance by the Ugandan team with the final selections made in a collaborative effort by the Ugandan team and the visiting medical team. The final selection of 10 children to operate was made on Sunday, prior to the first day of surgery with necessary changes made during the course of the mission.

<table>
<thead>
<tr>
<th>No.</th>
<th>Patient Name</th>
<th>Age</th>
<th>Diagnosis</th>
<th>Date of Surgery</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Joan Apio</td>
<td>5 years</td>
<td>Tetralogy of Fallot</td>
<td>6-4-12</td>
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<tr>
<td>2</td>
<td>Jovan Byakatonda</td>
<td>17 years</td>
<td>Biventricular EMF</td>
<td>6-5-12</td>
</tr>
<tr>
<td>3</td>
<td>Alvin Oroma</td>
<td>4 years</td>
<td>VSD</td>
<td>6-5-12</td>
</tr>
<tr>
<td>4</td>
<td>Soovia Namusumba</td>
<td>16 years</td>
<td>RV EMF</td>
<td>6-8-12</td>
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<tr>
<td>5</td>
<td>Mariam Nanteza</td>
<td>3 years</td>
<td>Secundum ASD</td>
<td>6-6-12</td>
</tr>
<tr>
<td>6</td>
<td>Mariam Naluzze</td>
<td>12 years</td>
<td>VSD</td>
<td>6-7-12</td>
</tr>
<tr>
<td>7</td>
<td>Nicholas Kyazze</td>
<td>5 years</td>
<td>Tetralogy of Fallot</td>
<td>6-7-12</td>
</tr>
<tr>
<td>8</td>
<td>Melvin Kaburanga</td>
<td>3 years</td>
<td>ASD</td>
<td>6-11-12</td>
</tr>
<tr>
<td>9</td>
<td>Sunny Atuhaire</td>
<td>10 years</td>
<td>PDA</td>
<td>6-11-12</td>
</tr>
<tr>
<td>10</td>
<td>Rhana Kwikiriza</td>
<td>4 months</td>
<td>PDA</td>
<td>6-11-12</td>
</tr>
</tbody>
</table>

Mariam Naluzze

Age: 12 years old
Number of Family Members: 5
Hospital: Uganda Heart Institute
Surgery Date: June 7, 2012
Sponsored by: Rotary District 7490
Gift of Life Foundation

Mariam is the second born of four children and was diagnosed with a heart defect known as Ventricular Septal Defect. She received corrective open heart surgery on June 7th, 2012. Although Mariam was diagnosed with the VSD at 2 years of age, she had to wait 10 years to have her life-saving surgery because her family could not raise the required funds needed to pay for her surgery abroad. Mariam has been blessed since she was able to have her surgery in her home country completely free of charge thanks to the Our Hearts are in Uganda program. She now looks forward to living a better life despite the challenge of living with only her mother who is also disabled. Mariam would like to be a doctor when she grows up. She says that her main focus following her surgery is to pursue her studies so she can achieve this special career and help others.
Mariam was diagnosed with a heart defect known as Secudium ASD (Atrial Septal Defect) and received corrective open-heart surgery on June 7th, 2012 at the Uganda Heart Institute. She is the first born of two children. Her mother, who is a housewife, stayed with her at the hospital during her surgery and recovery. Mariam's father runs a motorbike transport business. Mariam lives very far from the hospital and had to spend many hours traveling to the hospital for her surgery.

Joan was diagnosed with a heart defect known as Tetralogy of Fallot and received corrective open-heart surgery on June 4th, 2012. From Joan's home to the Uganda Heart Institute is a full eight-hour trek. Over the years, Joan and her family have made this trip each time she had an appointment to see her doctor. Joan would like to be a nurse when she grows up. She is the 4th born of five children. Both her parents are farmers. Joan's mother, grandmother and aunt all camped at the hospital for the entire time Joan was hospitalized. Due to her illness, Joan has not been able to attend school. Now that her heart has been repaired, she will be able to study and go to school and the eight-hour trek to see the doctor will be much more manageable and much less frequent.
Jovan Byakatonda
Age: 17 years old
Number of Family Members: 11
Hospital: Uganda Heart Institute
Surgery Date: June 5, 2012
Sponsored by: Paramas Rotary Club

Jovan’s case is very unique in that this type of heart surgery had never before been performed in Uganda. Thanks to the help of the Chain of Hope visiting team, he received his life-saving surgery on June 5th, 2012. Jovan did very well following his surgery and recovered quickly in the ICU. He was very excited with his recovery and enjoyed taking photos with his dad and with all the nurses whom he now regards as his special friends. Jovan is the second born of nine children. His parents both work as farmers in Kiboga Village. Jovan’s father stayed with him at the hospital during his surgery and recovery. Because of his ill state, Jovan has been studying in Primary 4. He will now be able to progress in school since his heart has been healed.

Alvin Orom
Age: 4 years old
Number of Family Members: 4
Hospital: Uganda Heart Institute
Surgery Date: June 5, 2012
Sponsored by: Rotary District 7490
Gift of Life Foundation

Alvin was diagnosed with a heart defect known as Ventricular Septal Defect and received corrective open-heart surgery on June 5th, 2012. This is the second heart surgery Alvin has received. At six months of age he received his first cardiac surgery to correct a PDA. Alvin is the second born of two children. Both his parents are employed however both were at the hospital to help care for Alvin during his hospital stay. Alvin has now returned home to his family with a second chance at life. He will now be able to play without being tired and enjoy the childhood of a healthy Ugandan boy.