

ROTARY FOUNDATION

GLOBAL GRANT PROPOSAL



Proposal - Project Title : Development of operational and professional background for heart surgeries

Section A - Host and International Sponsor Information

Host Sponsor : Budapest-Duna	International Sponsor : Piedmont
Primary Contact : Kovács, Oszkár [2355352] District : 1911 Club : Budapest-Duna	Primary Contact : Cook, Wayne [2051198] District : 6060 Club : Piedmont

Section B - Community Needs

(1) Describe the benefiting community including its location using any relevant geographic and demographic information. If the activity is a scholarship, enter "N/A"

People with serious social problems in Hungary and in Hungarian community in surrounding countries (Roumania, trans-Carpatian area, Ukraine, Serbia, etc.) who are suffering the availability of modern medical technologies. Considering recent economic crisis there are serious restrictions of development of public health service in these countries. Recent project, according to recent proposal provides a technology and knowledge platform for several heart surgeries.

(2) What community needs have been identified? If the activity is a scholarship, enter "N/A"

The communities are suffering serious heart diseases, having inadequate financial resources and limited access to hospital capacity for necessary surgery. Without surgery several patients have worse life expectancy. As a consequence approx. 100 people in one year have no chance for life. The operational procedures need modern instrumental background in order to improve the effectiveness (reduce the time of operation) of the surgeries.

Gottsegen Gyorgy, National Institute of Cardiology, Budapest (in further: the hospital) has the adequate professional knowledge and experience in cardiology. They are ready to do further surgeries, bearing the cost by outer sources.

Since the Hospital is part of Hungarian National Health Insurance System and due to serious restrictions economic crisis there is no development possibility for technological development. The surgeries are based on instrumentation, manufactured in 1970-s.

(3) How are these needs currently being addressed with local resources and/or government agencies, NGOs, etc? Summarize the proposed activity(ies). If the activity is a scholarship, enter "N/A"

The hospital has the adequate professional knowledge and experience in cardiology. In order to provide a modern technological background to everyday traditional activities, and for education of medical students, a heart-lunge machine, valued in USD 83 400.-, would be putted into operation in the hospital.

Beyond this the introduction of a new surgery technique (Trans Arterial and Trans Apical Valve Implantation (TAVI)) will be financed. This technology makes possible to introduce a new artificial valve into the heart without stopping and bypassing it. The main cost of the operation is the valve itself and the corresponding insertion device. (see: <http://www.edwards.com/products/transcathetervalve/Pages/THVcategory.aspx>) First surgery(ies) is to be financed enables the hospital to apply for the accreditation this art of surgery in Hungarian National Health Service. There is a committment that yearly 80 surgeries will be financed by National Health Service. This new technique opens the possibility to save lives where there was no help without his. TAVI technology doesn't need anesthesia, therefore it enables to help patients who couldn't survive surgeries using traditional technology.

Section C - Activity Description

(1) Summarize the proposed activity(ies)

Rotary Club Budapest Duna would do two things:

1. Finance to buy a modern heart lung machine which enables the hospital to do complicated surgeries in secure and modern technological environment. (vendor: Terumo Europe N.V. Belgium)
2. Finance (partly) 1 or 2 experimental surgery (surgeries) in Budapest applying new TAVI technique for accreditation of the hospital's medical team in Hungarian National Health Service (vendor: Edwards Life Sciences USA)

Rotary Club Budapest Duna investigated the available instrument, which corresponds to the hospital's technical specification. According to the commercial offer from selected vendor a used instrument is preferred with renewed guaranty from the vendor, after repair and re-calibration. The instrument will be bought and transported to Budapest by Rotary and donated to the hospital (donation contract), based on contracts. Guaranty rights from vendor are to be transferred to the hospital.

The instrument will be owned by the hospital and putted into operation at the hospital's premises.

The material costs of new surgery method will be paid by Rotary, according to a written contract with the hospital. Other cost of caring the patient (hoteling costs, personal costs of medical team and other personal, etc.) would be carried by the hospital. Rotary should not carry any responsibility or liability towards the patient on the outcome of the surgery.

(2) List any Cooperating Organization(s) or University(ies) involved in the proposed activity(ies).

Cooperative organisatiois:

authorities

vendors

(3) Describe how the benefiting community(ies) will be involved in the activity(ies). If the activity is a scholarship, enter "N/A"

Beneficiary:

Gottsegen Gyorgy, Hungarian Institute of Cardiology, (in further: Hospital)

H-1096 Budapest, Haller u. 29.

Hungary

Contact: Dr. László Székely (head of heart surgery dept.)

The hospital's experts submitted the precise and detailed technical specification for heart lung machine, which is the basis of the delivery. They participated in the selection of the vendor. The delivery contract covers the training of the operation of the instrument. 4-5 doctors and other staff members participate in the training.

(4) Has the benefiting community(ies) confirmed that they would like this activity(ies) to take place?

Yes

(5) Proposed Start Date : 01 Dec 2011

(6) Proposed Completion Date : 30 Jun 2012

Section D - Area of Focus

(1) With which area(s) of focus is the proposed activity aligned?

Peace and Conflict prevention/resolution - No

Disease Prevention and Treatment - Yes

Water and Sanitation - No

Maternal and child health - No

Basic education and literacy - No

Economic and community development - No

(2) Describe how the activity(ies) will address the goal(s) of the Area of Focus

With the improved technical level, the success probability of the heart surgeries and the operation capacity will be extended, providing a technical platform to several (approx. 100) surgeries. The Middle-East-European area (Hungary, Romania, Ukraine's Carpathian territories, Slovakia, Serbia) can benefit from this increased and modern operational capacity. Patients, who need complicated surgeries can be transferred to this facility, and their problems can be solved.

Section E - Project Outcomes

(1) What are the immediate and long term outcomes of the activity?

First immediate outcome is the extended operational capacity and to broad the scope of the available surgery methods of the hospital.

Second immediate outcome is to save the life of the patient (or patients), who will be operated, using the new method.

One of the long-term outcomes is that the hospital's costs can be reduced, so the number of the patients from neighbouring countries can be increased. A modern, high capacity and secure surgery platform will be available to continue Gift of Life project.

Since this department of the hospital has accreditation for university and post gradual educations activities, after having permission for applying the new technology in everyday praxis, this team will be able to distribute the new knowledge (theory and practical experience) in Hungary and in neighbouring countries.

(2) Explain how all involved parties will act to ensure the sustainability of the activities and/or outcomes.

The Hospital expressed its readiness to operate the instrument. Based on donation contract, the hospital commits itself to operate the instrument after putting into operation and bears all operational and maintenance costs.

The hospital is ready to carry any supplementary costs of the introduction of new surgery technique and they commit themselves to manage the accreditation process in Hungarian National Health Service

Section F - Budget

(1) Currency / Exchange Rate

Name of Local Currency : HUF

Current Exchange Rate : 238.0000

Date Exchange Rate Entered : 30 Nov 2011

(2) Budget Details

Budget Item	Supplier/Vendor	Amount in Local Currency	Amount in USD
		0.0000	0.0000
Heart-Lung Machine	Terumo	18341082.0000	77063.0000
PR costs (press conference) Bankig fees (transfer, exchange fee)		200000.0000	840.0000
Special artificial valve (s) and the corresponding insertion device for TAVI	Edwards Life Sciences, Irvine, USA	12000000.0000	50420.0000
VAT (27%),		8200000.0000	34454.0000

Budgeted Total in Local Currency : 38741082.0000

Budgeted Total in USD : 162778.0000

Section G - Financing

(1) DDF Amount in USD : 5000.0000

(2) Rotarian Cash Amount in USD : 102000.0000

(3) Additional outside funding in USD : 0.0000
Maximum Rotary Foundation : 56000.0000

(4) Requested Rotary Foundation (TRF) Match in USD : 55778.0000
Computed Total Financing in USD (Cash+DDF+Match) : 162778.0000