Project:

SUPPLYING EQUIPMENT FOR THE CHARITY CLINIC TO SUPPORT PEOPLE WITH DISABILITIES WHO LIVING IN THUATHIEN – HUE AND QUANGTRI PROVINCES IN PRECONCEPTION CARE AND PRENATAL CARE

Applied by Fund of Genetic Counseling and Disabled Children (FGCDC) HUE, VIETNAM, September 2016
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PROJECT APPLICATION

PROJECT TITLE:
SUPPLYING EQUIPMENT FOR THE CHARITY CLINIC TO SUPPORT PEOPLE WITH DISABILITIES WHO LIVING IN THUATHIEN – HUE AND QUANGTRI PROVINCES IN PRECONCEPTION CARE AND PRENATAL CARE

PROJECT IMPLEMENTING AGENCY:
FUND OF GENETIC COUNSELING AND DISABLED CHILDREN (FGCDC)

Contact person:
Nguyen Viet Nhan, Ph.D. MD
Associate Professor
Manager of Fund of Genetic Counseling and Disabled Children
Hue University of Medicine and Pharmacy

Information of project implementing agency
Name: FUND OF GENETIC COUNSELING AND DISABLED CHILDREN (FGCDC)
Address: Hue University of Medicine and Pharmacy
06 Ngo Quyen Str., Hue city, Vietnam
Tel/Fax: 84-54-3833694
Email: dcvn@ogcdc.org
Web site: http://www.ogcdc.org

TOTAL OF THE FUND: 590.029.600 VND ≈ 23.430 Euro
(Twenty three thousand four hundred thirty Euro)
Exchange rate (Vietcombank, Sept 18th 2016): 25.183,55/1 Euro
I. BACKGROUND OF PROJECT

1. GEOGRAPHY, POPULATION AND ECONOMICS

Thuathien - Hue and Quangtri Provinces are 2 province in North Central Coast region of Vietnam. (appendix 1)

Thuathien - Hue borders Quangtri Province to the north, Danang to the south, Saravane and Sekong, Laos to the west and the East Sea to the east with 120 kms of seaside. The total area is 5.033,2 km² and the population (2014) is 1.131.800; Density: 225/km², majority people is Kinh and 2 main minority peoples are Cotu, Vankieu. Thuathien - Hue is subdivided into 6 districts, 2 district-level towns and 1 provincial city (Huế city), the average GDP per capita at 2.100 USD in 2016.² (appendix 2)

Quangtri is surrounded by Quang Binh Province on the north, Thuathien - Hue Province on the south, Savannakhet, Laos on the west, and the East Sea on the east, with 75 kms of seaside. The total area is 4.379,8 km², the population is (2014) is 616.400, majority people is Kinh and main minority people is Taoi, Vankieu; density 130/km². Quangtri is subdivided into 8 districts, 1 town and 1 provincial city (Dongha city). The average GDP per capita at 1000 USD in 2014.³ (appendix 3)

2. SOCIETY AND HEALTH PROBLEMS

Quangtri and Thuathien - Hue were suffered a lot damages in the war time because they were border of North and South Viet Nam in war time.

Dioxin in Agent Orange, a herbicides that US army used in the Vietnam war (appendix 4), bombs and mines are still causing many health problems for people in this region until now. Beside that the income of the people living in there mainly depending on the agriculture and fishery. The severe weather and especially in this

year, a environmental disaster\(^5\) has happened along the beach from Ha Tinh to Thua Thien- Hue province, this marine environmental disaster has pushed millions fishermen and their families in these regions into distress condition.

![Image](http://tuoitre.vn/tin/chinh-va-hoa/20160423/ha-tinh-hop-bao-vu-ca-chet-dong-loat/1089457.html)

**Picture 2: A fisher with died fishes in the beach of North Central Vietnam**


3. **PEOPLE WITH DISABILITIES**\(^6\)

**In Thua Thien – Hue Province,** there are 29,012 PWDs (2.6% of the provincial population)\(^7\) and **in Quangtri Province,** there are 37,000 PWDs (6.2% of the provincial population) (2011)\(^8\)

Basing on a research of the people with disabilities (UWD) in Vietnam of UNFPA in 2009\(^9\), among the 78.5 million persons aged 5 years or older in Vietnam, almost 6.1 million, or 7.8 per cent, live with one or more disability in seeing, hearing, walking or cognition. Of this 6.1 million population, 385,000 are persons with severe disabilities. 75.7% of the total people with disabilities live in rural areas. In urban areas, unemployment rates among people without and with disabilities are 4.3% and 13.9% respectively. (Appendix 5, 6)

Related to the life of PWDs, there were some conclusions in this research as follows:

- PWDs are living alone or with fewer persons in the household is more common among adult PWD than adult PWOD. Given their higher need for, but lower availability of, family care and support, the finding means that difficulties and disadvantages facing PWD, are amplified

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\(^7\) [Hội Người khuyết tật tỉnh so kết công tác Hội 6 tháng đầu năm 2016. 10/08/2016](http://www.dphanoi.org.vn/index.php?option=com_content&task=view&id=2631)

\(^8\) [Hội thảo về công tác Người khuyết tật tại Quảng Trị. 6 – 7/9/2011.](http://www.dphanoi.org.vn/index.php?option=com_content&task=view&id=2631)

• The PWD experience greater difficulties and disruptions in marriage. The 'never married' rates, measured by the number of people who have never married per 1,000 people in the same age group, of adult PWD are much greater than that of the adult non-disabled population in all age groups.
4. THE IMPORTANT ROLE OF PRECONCEPTION AND PREGNATAL CARE FOR WOMEN WITH DISABILITIES

In a research of JoAnn M. Thierry (2006) 10, the conclusions of author are as follows:

- Women with disabilities who become pregnant face similar issues and concerns as pregnant women without disabilities. Although many pregnant women experience problems with weight gain, fatigue, fluid retention, bladder dysfunction, and urinary tract infections, these problems may be more serious in women with disabilities.

- All women are concerned about the health of their unborn child. Like other women, women with disabilities express concern about the possibility of giving birth to a child with disabilities and may seek genetic counseling. On the other hand, not all disabled women embrace the idea of genetic testing. To these women the idea of genetic counseling raises psychosocial issues that may be difficult for them to consider.

- Pregnancy management in women with disabilities should therefore include preconception counseling and evaluation to identify these and other potential problems that can occur throughout the course of the pregnancy.

- Health care professionals need to know that physical barriers, such as the lack of accessible scales or examination tables, present enormous and recurring obstacles to obtaining adequate prenatal care. Also, communication barriers, particularly for those who are deaf or hard of hearing, affect a women's ability to receive appropriate medical care. In addition, there are some aspects of gynecologic health care such as informed consent, sedation, and contraceptive issues that are unique for women with developmental disabilities.

- Preconception counseling for women with disabilities should address the medical, psychological, and social impact of a pregnancy. During preconception counseling, it is particularly important to evaluate the prenatal and postpartum social support systems available to women with disabilities.

All women of childbearing age, including women with disabilities, should have access to preconception care that addresses the medical, psychological and social impacts of pregnancy. Women with disabilities can and do have healthy pregnancies. Accurate knowledge of disabling conditions and a shared multidisciplinary approach to pregnancy management are critical components for good pregnancy outcomes among women with disabilities.

In Vietnam, not only people with disabilities but also normal people does not interested in preconception care but they spend a lot of money in the pregnant time. A lot of women of childbearing age never knows about vaccination (i.e. Rubella vaccine), taking folic acid for prevention birth defects for fetus etc.. in preconception care. In the field of prenatal care, they have no the necessary knowledge, spend a lot of money for ultrasound but forget a lot of other things (i.e. blood test, blood pressure etc...) that are important to follow up the heath of mother and fetus in pregnant time and after delivery. It’s normal people, with the PWDs, this problem is worse not only because of their own health, their incomes but also because of the barriers between them and the system of health services (i.e. communication with deaf-mute, not understanding of psychophysiology of PWDs etc...).

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This is the reason explaining why we want to open a charity clinic focus mainly in the fields of preconception care and prenatal care to support the women of childbearing age with disabilities.

II. DESCRIPTION OF PROJECT

1. OBJECTIVES

Supplying necessary equipment for the charity clinic of FGCDC to support women of childbearing age with disabilities in preconception care and prenatal care.

2. TARGET GROUP AND BENEFICIARIES

2.1. The direct beneficiaries:

- People with disabilities, especially women of childbearing age, living in Thuathien - Hue and Quang tri.
- Young couples who have husband and/or wife with disabilities

2.2. The groups involved in the project

- Physicians and Resident physicians who specialized in obstetrics and gynecology working in the hospital of Hue University of Medicine and Pharmacy.
- Medical students of Hue University of Medicine and Pharmacy

3. PROJECT MANAGER

Assoc. Prof. NGUYEN VIET NHAN, M.D., Ph.D.

Dr. Nhan is head of Department of Medical Genetics in Hue University of Medicine and Pharmacy, Vietnam. He is concurrently vice head of Center of Prenatal - Neonatal Screening and Diagnosis in the hospital of this university. This center is responsibility for prenatal and neonatal screening programs in 12 provinces of Central Vietnam.

He has worked with Handicap International, Belgium (a NGO) in Vietnam in the position of medical advisor from 2008 to 2013 in the project of early detection and intervention for common birth defects in community, prevention neural tube defects and preconception care in Thuathien – Hue province and same position in the project of health care for mother and child in Quangtro province from 2013 until now 11

He was the founder of Office of Genetic Counseling and Disabled Children (OGCDC) in Hue University of Medicine and Pharmacy from 1999, a local NGO to support children with disability in Central Vietnam.

He is co-author of the medical books with the contents related to preconception care, prenatal care and postpartum care(by Vietnamese):

3. Infections affecting Fetus (2012)
5. Guideline for Preconception Care (2015)

4. ACTIVITIES OF CHARITY CLINIC

4.1. Preconception Care

Preconception care is to deliver risk screening, health promotion, and effective interventions as a part of routine health care in the relationship of the condition of disability of each couple. Activities in the preconception care including:

- Genetic Counseling
- Finding and taking care of any problems that might affect mother and her baby later, like diabetes, or high blood pressure
- Taking folic acid for prevent neural tube defects
- Getting vaccines (Rubella etc…) for prevention birth defects
- Avoiding smoking, drinking alcohol, or taking drugs
- Good nutrition
- Avoid toxic materials, contaminated food
- Avoid contagious diseases
- Advice family planning and motive the couple about the need of family planning.

4.2. Prenatal Care:

Antenatal-care refers to care of pregnant women in the relationship of the condition of disability of each couple. The main objectives of antenatal-care are:

- Maintenance of health of mother during pregnancy.
- Promote physical, mental and social well being of mother and child.
- Ensure delivery of a full term healthy baby.
- Early detection of high risk cases and minimize risks by taking appropriate management.
- Prevent development of complications through health education, adequate nutrition, exercise, vitamin intake and appropriate medical and pharmaceutical intervention.
- Screening for conditions and diseases such as anemia, STIs, HIV infection, mental health problems, and domestic violence.
- Teach the mother about child care, nutrition, sanitation and hygiene.
- Decrease maternal and infant mortality and morbidity.
- Remove the stress and worries of the mother regarding the delivery process.
- Provide safe delivery for mother and educate mother about the physiology of pregnancy and labor by demonstrations, charts and diagrams so that fear is removed and physiology improved.
- Advice family planning and motive the couple about the need of family planning.
- Predict possible problems during pregnancy and provide an appropriate treatment.

12 http://chaodontuonglai.vn/modules.php?name=Tailieu&op=Tailieu_Xemcat&fcatid=4
- Provide information on pregnancy and birth and discuss with the couple about the place, time and mode of the delivery provisionally and care of the newborn.
- Ensure continued medical surveillance and prophylaxis.
- Advice the mother about breast feeding, post natal care and immunization.
- Advice and support to the women and her family for developing healthy home behaviors.

5. CURRENT FACILITY OF CHARITY CLINIC

Address: 38/147 Phan DInh Phung St. Hue city

Owner: Fund of Genetic Counseling and Disabled Children (FGCDC)

Total area: 50,8 m²

The Clinic including (Appendix 7):

1. One room for counseling and examination pregnant woman (including a small room for taking blood samples): 2 m wide x 5 m long = 10 m²
2. Ultrasound room: 2,4m wide x 4,3m long = 10,32 m²
3. Waiting room: seating capacity of 6 patients
4. A restroom
5. An area for motorbikes
6. EXISTING EQUIPMENT OF CHARITY CLINIC

6.2. Room for counseling and examination pregnant woman
- 1 computer
- 1 printer
- 1 desk
- 1 closet
- 2 sphygmomanometers
- 1 stethoscope
- 1 doppler fetal heart beat monitor (handset)

6.3. Room for taking blood sample
- 1 closet
- 1 desk
- 2 chairs

6.4. Ultrasound room
- 1 closet
- 1 desk
- 1 file cabinet

6.1 Waiting room
- No thing

7. THE ADDITIONAL EQUIPMENT NEEDS

7.1. Room for counseling and examination pregnant woman
- 1 chair for medical doctor
- 2 chairs for a couple
- 1 Medical Gynecological bed
  
  For examination pregnant woman
- 1 Waste box
- 1 Fetal Monitoring
  
  For following up the heart beat of the fetus and the uterine construction of pregnant women (in special cases).

7.2. Room for taking blood sample
- 1 Waste box

7.3. Ultrasound room
- 1 chair for scanner
- 2 chairs for patients
- 1 ultrasound table for scanning
- 1 Waste box
- 1 Ultrasound machine
  
  For scanning:
  + The organs in the abdomen, thyroid
  + To follow up the development of the fetus
7.4. Waiting room
- 1 Chair (5 - 6 seats) for waiting
- 1 Hot cold water dispenser
- 1 Waste box

8. INFORMATION OF THE ADDITIONAL EQUIPMENT

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5. **Fetal Monitoring**

- 2 probes for heart rhythm.
- 1 probe for uterine construction
- 1 cart

For following up the heart beat of the fetus and the uterine construction of pregnant women (in special cases).

**Code of product:** BFM-900 FETUS (BIONICS Corp, Seoul Korea) (for special requirement of Obstetrical care)

**Supplier:** CÔNG TY TNHH TM - ĐỊCH VỤ KỸ THUẬT BÁCH VIỆT

Address: Tầng 6, Tòa nhà HBT, 456 – 458 Hai Bà Trưng, P. Tân Định, Q. 1, TP. Hồ Chí Minh

Tel: (08) 35265986 – 35265996 Fax: (08) 385265956

http://bachviettech.vn/trang-chuc/920

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8.2. **Room for taking blood sample**

6. **Waste box 1 2L, inox**

**Code of product:** A-12L

**Supplier:** Công ty TNHH Techmodule Việt

Address: Số 5, Ngõ 639, Hoàng Hoa Thám, P. Vinh Phúc, Q. Ba Đình, Tp. Hà Nội

Phone number: 0462737800

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8.3. **Ultrasound Room**

7. **Chair for medical doctor**

**Code of product:** GL101B

**Supplier:** Công Ty TNHH Chuyên Giao Công Nghệ VTLL Thăng Long

Address: 20 đường số 6, đường Bình Trưng Tây, Quận 2, TP HCM.

Phone number: Tel: 04.6660.3838 - Fax: 04.3200.9123 - Mobile: 0904040588 Mrs Hanh


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8. **Chair for patients**

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Address: 20 đường số 6, đường Bình Trưng Tây, Quận 2, TP HCM.

Phone number: Tel: 04.6660.3838 - Fax: 04.3200.9123 - Mobile: 0904040588 Mrs Hanh

http://tongkhonoithat.com/ap1792_g30s-xanh-la-cay.html

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Supplier: Đại lý chính thức Nội thất Hòa Phát  
Address: 116 No Trang Long, phường 14, Q. Bình Thành, TP.HCM  
Phone number: (+84-8) 35 101012  
http://noithathoaphat.pro/thiet-bi-y-te-inox/ban-sieu-am-hoa-phat-bsa01-1.html | 01 | 1,744.600 | 1,744.600 |
| 10. | Waste box 1 2L, inox | Code of product: A-12L  
Supplier: Công ty TNHH Techmodule Việt  
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Phone number: 0462737800  
http://www.vatgia.com/techmodule&module=product&view=detail&record_id=2174904&checkclick=1907291918 | 01 | 550.000 | 550.000 |
| 11. | Ultrasound machine (SONOACE R7), Samsung Medison  
• Colour Doppler 4D  
• 4 probes  
• Including printer, computer | For scanning:  
• *The organs in the abdomen, thyroid*  
• *To follow up the development of the fetus*  
Supplier: An Viet Medical Equipment Co., Ltd  
Address: 22 Nguyễn Văn Mai Str., Tân Bình Dist., Hochiminh City, Vietnam  
Tel: 84-8-394 84 284, Fax: 84-8-394 84 286  
Email: anviemtmedical@hcm.vnn.vn,  
Web: www.anviemtmedical.com.vn  
http://www.samsungmedison.com/ultrasound/ob-gyn/sonoace-r7/ | 01 | 536.000.000 | 536.000.000 |
| 8.4. Waiting room | | | | |
Supplier: Đại lý chính thức Nội thất Hòa Phát  
Address: 116 No Trang Long, phường 14, Q. Bình Thành, TP.HCM  
Phone number: (+84-8) 35 101012  
http://noithathoaphat.pro/ghe-phong-cho/ghe-hoa-phat-pc14.html | 02 | 716.100 | 1,432.200 |
<table>
<thead>
<tr>
<th>No</th>
<th>Equipment</th>
<th>Information</th>
<th>No</th>
<th>Unit price (VND)*</th>
<th>Price (VND)</th>
</tr>
</thead>
</table>
| 13 | Hot cold water dispenser       | Code of product: KG43  
Supplier: Hệ thống Bán Hàng Trực Tuyến Kangaroo Tại Hà Nội  
Address: Số 83 Láng Hạ, Ba Đình, Hà Nội  
Phone number: 04 3519 0056  
http://www.caynuocnonglanhkangaroo.vn/cay-nuoc-nong-lanh-kangaroo-han-quoc-kg-43/225-sp.html | 01 | 5.750.000         | 5.750.000   |
| 14 | Waste box 1 2L, inox           | Code of product: A-12L  
Supplier: Công ty TNHH Techmodule Việt  
Address: Số 5, Ngõ 639, Hoàng Hoa Thám, P. Vĩnh Phúc, Q. Ba Đình, Tp. Hà Nội  
Phone number: 0462737800  
http://www.vatgia.com/techmodule&module=product&view=detail&record_id=2174904&checkclick=1907291918 | 01 | 550.000           | 550.000     |

**TOTAL:** 590.029.600 VND \( \approx 23.430 \text{ Euro} \)  
(Twenty three thousand four hundred thirty Euro)  
*Exchange rate (Vietcombank, Sept 18th 2016): 25.183,55/1 Euro*

**Summary of budget (appendix 8)**

**III. ACTION PLAN**

The activities of the charity clinic basing on:

1. **Human sources:**
   - The medical doctors who specialized in Obstetrics and Gynecology, mainly resident physicians who are receiving training in the hospital of Hue University of Medicine and Pharmacy  
   - The medical doctors who specialized in Medical Genetics are working in Department of Medical Genetics, Hue University of Medicine and Pharmacy

2. **Financial sources:** because the poor people and people with disabilities will be free in examinations so the fund for running the charity clinic basing on 2 main sources:  
   - The support from the NGOs  
   - The fee paid by the people who not in the priority group examined in this charity clinic.
APPENDIX 1
Map of Vietnam
Source: http://www.keyword-suggestions.com/YmFuIGRvIHZpZXQgbmFt/
APPENDIX 2

Map of Thuathien – Hue Province

Source: http://www.baohaiquan.vn/Pages/Thanh-lap-thi-xa-Huong-Tra-Thua-Thien-Hue.aspx
APPENDIX 3

Map of Quangtri Province

APPENDIX 4

Aerial Herbicides Spray Missions In Southern Vietnam, 1965 – 1971
Source: Reproduced with permission from Hatfield Consulting,

OVERVIEW
1962 - 1971:
Operation Ranch Hand: 70,720 m³ herbicides and defoliants sprayed on 1,670.10³ ha
Agent Orange:
A 50:50 mixture of 2,4,5-T and 2,4-D (1965 – 1970), > 11,000,000 gallons contained 170 kg TCDD (dioxin), 1 gallon = 3.785 litre (US)
The 2,4,5-T used to produce Agent Orange was contaminated with 2,3,7,8-tetrachlorodibenzodioxin (TCDD), an extremely toxic dioxin compound
APPENDIX 5
Prevalence of disability among children aged 5 to 15 years by province

Ten provinces with highest prevalence of children disability:
- Da Nang
- Nghe An
- Quang Nam
- Kon-Tum
- Ba Ria - Vung Tau
- Lao Cai
- Tuyen Quang
- Ha Tinh
- Dien Bien
- Quang Tri
APPENDIX 6
Prevalence of disability among adults aged 16 – 59 years by province

Ten provinces with highest prevalence of disability among adults aged 16-59:
- Nghe An
- Lang Son
- Ha Tinh
- Thai Binh
- Kon-Tum
- Ben Tre
- Cao Bang
- Quang Tri
- Da Nang
- Binh Thuan
APPENDIX 7
Plan of the charity clinic
### APPENDIX 8
Summary of budget for additional equipment

<table>
<thead>
<tr>
<th>No</th>
<th>Equipment</th>
<th>No</th>
<th>Unit price (VND)*</th>
<th>Price (VND)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Chair for medical doctor</td>
<td>01</td>
<td>682.000</td>
<td>682.000</td>
</tr>
<tr>
<td>2.</td>
<td>Chair for couple</td>
<td>02</td>
<td>187.000</td>
<td>374.000</td>
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<tr>
<td>3.</td>
<td>Medical Gynecological bed</td>
<td>01</td>
<td>1.790.800</td>
<td>1.790.800</td>
</tr>
<tr>
<td>4.</td>
<td>Fetal Monitoring</td>
<td>01</td>
<td>39.000.000</td>
<td>39.000.000</td>
</tr>
<tr>
<td>5.</td>
<td>Chair for medical doctor</td>
<td>01</td>
<td>682.000</td>
<td>682.000</td>
</tr>
<tr>
<td>6.</td>
<td>Chair for patients</td>
<td>02</td>
<td>187.000</td>
<td>374.000</td>
</tr>
<tr>
<td>7.</td>
<td>Ultrasound table</td>
<td>01</td>
<td>1.744.600</td>
<td>1.744.600</td>
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<tr>
<td>8.</td>
<td>Ultrasound machine</td>
<td>01</td>
<td>536.000.000</td>
<td>536.000.000</td>
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<tr>
<td>9.</td>
<td>Waiting chair (3 seats)</td>
<td>02</td>
<td>716.100</td>
<td>1.432.200</td>
</tr>
<tr>
<td>10.</td>
<td>Hot cold water dispenser</td>
<td>01</td>
<td>5.750.000</td>
<td>5.750.000</td>
</tr>
<tr>
<td>11.</td>
<td>Waste box 12L, inox</td>
<td>04</td>
<td>550.000</td>
<td>2.200.000</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL:</strong></td>
<td></td>
<td><strong>590.029.600</strong></td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL:** 590.029.600 VND ≈ 23.430 Euro

(Twenty three thousand four hundred thirty Euro)

*Exchange rate (Vietcombank, Sept 18th 2016): 25.183,55/1 Euro*