

**Lao People's Democratic Republic
Peace Independence Democracy Unity Prosperity**

Oudomxay Provincial Health Department
Oudomxay Provincial Hospital
Lao Rehabilitation Foundation

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Oudomxay, Date **15 NOV 2019**..

**Report of Mobile Eye Care
in 3 Districts (Beng, Houn and Xai) of
Oudomxay Province**

and

**Health Care Development
at Km 32 Health Center, Oudomxay Province**

October 07-12, 2019

Oudomxay Eye Unit, Oudomxay Provincial Hospital

in partnership with

**Lao Rehabilitation Foundation, Inc.
SEE International and
Fred Hollows Foundation**

To: Director of Oudomxay Provincial Public Health Department
Director of Oudomxay Provincial Hospital
President of Lao Rehabilitation Foundation, Inc. USA.

Subject: Result of Mobile Eye Care in 3 Districts (Beng, Houn and Xai) of Oudomxay Province and Developing Health Care at Km 32 Health Center by Providing Medical Equipment and Training.

- Referred to Lao Rehabilitation Foundation 2019 planning and funding to provide health care in remote areas and health center development.

On the 2nd week of October 2019 the Eye Unit of Oudomxay provincial hospital in cooperation with the Lao Rehabilitation Foundation (LRF) offered mobile eye care service in 3 districts (Beng, Houn and Xai) of Oudomxay, providing eye exams, refraction testing, dispensing eyeglasses, performing eye surgery when needed and donating medical equipment to Km 32 Health Center.

The details are as follows:

I. TITLE

Mobile Eye Care in 3 Districts (Houn, Beng and Xai) of Oudomxay Province and Health Care Development at Km 32 Health Center in Oudomxay Province.

II. OBJECTIVE

- To reduce avoidable blindness in Lao PDR
- To detect avoidable causes of blindness in the poor population of Oudomxay
- To provide sight restoring interventions
- To develop health care at health center level

III. LOCATION AND DURATION

- At Beng district hospital: Oct 7-8, 2019
- At Houn district hospital: Oct 9-10, 2019
- At Km 32 health center: Oct 11, 2019
- At Oudomxay Provincial hospital: Oct 12, 2019
- At Khuang health center: Oct 28, 2019
- At Phou Om health center: Oct 30, 2019

IV. TEAMWORK AND ASSISTANTS

- | | |
|---------------------------|----------------------------------|
| 1. Dr. Luc Janssens | President of LRF |
| 2. Phetsamone Indara, MD | Ophthalmologist |
| 3. Phonethavy Inthavongsa | Ophthalmic Nurse |
| 4. Mr. Chansone | Ophthalmic Nurse (Beng district) |
| 5. Mr. Thongdam | Ophthalmic Nurse (Beng district) |
| 6. Ms. Phonsavan | Assistant |

VI. INSTRUMENTS AND MEDICINE

This mission was performed using quality modern equipment intended for cataract surgery, refraction exams and effective medicines for treatment. Equipment and supplies were provided by LRF in cooperation with SEE International (Surgical Eye Expeditions of USA) and Fred Hollows Foundation. It included:

1. Phacoemulsification machine (Amo Sovereign Compact)
2. Surgical instruments, equipment and supplies
3. Medical supplies for cataract surgery

4. Medicine for eye care service
5. Autorefractor (Retinomax)
6. Tonometer (IOP test)
7. Glasses

VII. ACTIVITIES PERFORMED

1. Finding Cataract Cases

- The ophthalmic nurse from Oudomxay eye unit teamed up with local ophthalmic nurses to screen the vision of older people in 45 remote villages to find patients with cataract and appoint them to be treated at a given date and location.
- Advertisement was done by billboards.

2. Technical Cataract Surgery

Surgeries were performed by phacoemulsification. Hard cataract cases by manual small incision (MSICS) techniques.

3. Refractive Service

All patients with blurred vision without cataract or retina diseases were given refractive exams by autorefractor (Retinomax) and were provided with appropriate glasses to improve their vision.

4. Health Center Development Activities Performed

Medical equipment was provided to HuoaNamNga (Km 32) Health Center (Xay district). Equipment included: Ultrasound machine with abdominal, vaginal and linear probes, Sony printer and training on how to use.

VIII. RESULT

1. Eye Screening

A total of 677 (F 324) patients were screened for visual acuity at 45 villages of Beng and Houn districts, 168 patients with visual impairment were referred to mobile eye care team at Beng and Houn district hospitals.

2. Eye Examined

A total of 371 patients were examined

3. Cataract Surgery Outcome

76 cataract surgeries were performed as follow:

- By Phacoemulsification 59 cases
- By MSICS 17 cases
- (with good outcome, without complications)

4. Other Surgery Outcome

A total of 22 other surgeries were performed as follow:

- Pterygium 18
- Eyelid correction 03
- Corneal rupture repair 01

5. Refractive Service Outcome

A total of 261 patients were examined for corrective refraction. 218 pairs of glasses were provided as follow:

- Myopia 82
- Hyperopia 75
- Presbyopia 61

IX. BUDGET-EXPENDITURE

The actual expenditure for this mission was 29,100 USD, supported by Lao Rehabilitation Foundation, Inc. in cooperation with SEE International and a minor contribution from the Fred Hollows Foundation. It included:

- Medical supplies for cataract surgery 18,805 USD
- Medical supplies for other surgery 660 USD
- Glasses 900 USD
- Transportation/Accommodation for LRF team 3,800 USD
- Preparing/Finding cataract patients 206 USD
- Perdiem/Accommodation for Lao team 559 USD
- Transportation (diesel) preparing and working 171 USD
- Medical equipment provided to Km 32 Health Center 3,700 USD
- Other 300 USD

X. ACCOMPLISHMENTS AND WEAKNESSES

1. Accomplishments

- More than 600 people had their vision screened and more than 300 people have benefited from this eye care campaign, receiving medicine, glasses, cataract surgery or some eye care advice.
- Vision of older, poor people was improved by providing glasses and cataract surgery.
- Significantly helped needy blind people.
- Poor patients who could not have had access to the finest eyecare received treatment in remote areas by phacoemulsification.
- Good cooperation between Oudomxay Eye Unit and LRF.

2. Weaknesses

- Limited team (ophthalmologist)
- Limited medical supplies such as:
 - IOL power options

XI. NEXT MISSION PLANNING

- Continue to provide mobile eye care (cataract surgery by phacoemulsification) in Bolikhamxay or other province during January 2019.
- Add more surgeons and assistants.
- Continue refraction exams and provide eyeglasses as needed.

Director of Oudomxay Provincial Health Department



ທຸມພັນ ອິນທະມຸງຄຸນ

Director of Oudomxay Provincial Hospital



ດຣ. ຄຳພັນ ໄຊຍະວົງ
Dr. Khamphan XAYAVONG

Presenter



ດຣ.ເພັດສະໝອນ ອິນດາລາ
Phetsamone INDARA MD.

ATTACHMENT DOCUMENTS

1. Photo of activities
2. List of cataract surgeries
3. List of other surgeries
4. List of glasses provided
5. List of medical supplies