

LAO PEOPLE'S DEMOCRATIC REPUBLIC

PEACE INDEPENDENCE DEMOCRACY UNITY PROSPERITY

**Oudomxay Provincial Department of Health
Oudomxay Provincial Hospital**

Date, **31 OCT 2013**

REPORT OF

**OCULOPLASTIC SURGERY AND
DACRYOCUSTOMORRHINOSTOMY (DCR) MISSION**

Oudomxay Provincial Hospital, Lao PDR.

26-27 September 2013



**Oudomxay Provincial Hospital
In Cooperation with:**

Bumrungrad International & Mettapracharak Hospitals, Thailand

And

Lao Rehabilitation Foundation (LRF), USA.

To: Director of Curative Department, Ministry of Health.
Director of Oudomxay Provincial of Public Health Department.
Director of Bumrungrad International, Metapracharak and Charoenkrungcharak Hospitals, Thailand.
President of Lao Rehabilitation Foundation, USA.

Subject: Oculoplastic Surgery and Dacryocystorhinostomy Mission at Oudomxay Provincial Hospital, Lao PDR.

- Referred to the planning to Oculoplastic Surgery and DCR Mission in 2013.
- Referred to the letter of acceptance of Bumrungrad International Hospital to provide Oculoplastic Surgery and DCR at Oudomxay hospital on the date 18 September 2013.
- Referred to Lao Rehabilitation Foundation agreement to provide support for this mission on the date 15 August 2013.
- Referred to approval document of Minister of Ministry of Health No. 1288, on the date 28 August 2013.

The Oudomxay provincial hospital team in cooperation with Thai expert doctor team Bumrungrad Internal, Metapacharak, Jaroenkrungcharak hospitals and Lao Rehabilitation Foundation has provided health care Oculoplastic Surgery and Dacryocystorhinostomy at Oudomay provincial hospital for 2 days on the 26-27 September 2013, Service all patients free of charge, details as follows:

I. BACKGROUND INFORMATION

Oudomxay province is centrally located in the North of Laos. The area is 15,370 Km², 85% of the land being high mountains. Oudomxay province is divided into 7 districts, 475 villages. It has a population of 285,874 people (Female 152,216) which includes 69% LaoTheung (Khmou), 11% LaoLoum and 16 % LaoSoong (Kmong), Chinese and foreigner 4%. 85% of the population lives in remote areas and still live their traditional ethnic ways. The economy is mainly agricultural and farming.

Laos map



Oudomxay map



The public health system consists of 1 provincial hospital, 6 district hospitals, and 49 health centers.

The eye unit is a department under Oudomxay provincial hospital; the staff consists of 1 ophthalmologist, 3 ophthalmic nurses and 1 optometrist.

In Laos, there are 20 ophthalmologists. Not all provinces have ophthalmologists or eye doctors as there are only 2 ophthalmologists in 4 Northern provinces. Many patients with severe eyelid diseases in rural areas of Laos are still waiting for treatment because of limited specialist availability such as oculoplastic surgeons. Patients are often referred to Vientiane capital or abroad if they can afford it.

This mission is the second Oculoplastic surgery and DCR mission at Oudomxay Provincial Hospital funded by Bumrungrad International, Metapracharak, Jaroenkrungcharak hospitals, Thailand and Lao Rehabilitation Foundation, USA.

II. OBJECTIVE

- To rehabilitate vision for a better quality of life.
- To develop the skills of Lao medical personnel with the cooperation of Oudomxay hospital and Bumrungrad, Metapracharak hospitals and Lao Rehabilitation Foundation.

III. LOCATION AND DURATION

This mission took place over two days (September 26-27, 2013) at Oudomxay provincial hospital, Oudomxay province, Lao PDR.

IV. TEAM

There were 17 team members:

1. OUDOMXAY PROVINCIAL HOSPITAL (11):

- Ophthalmologist: 01
- Anesthesists: 02
- Nurses Assistant: 04
- Ophthalmic Nurses: 04

2. BUMRUNGRAD, METAPACHARAK, JAROENKRUNGCHARAK, HOSPITALS, THAILAND (4):

- Oculoplasty Specialist: 03
- Glaucoma Specialist: 01

3. LAO REHABILITATION FOUNDATION (2):

- President of LRF: 01
- Coordinator: 01

V. RESPONSIBLE UNIT

1. OUDOMXAY PROVINCIAL HOSPITAL

- Secured official agreements and approvals (LRF, MoH, MoFA).
- Provided leadership to register patients and make appointments.
- Provided location to examine and operate patients.

2. BUMRUNGRAD, METAPACHARAK, JAROENKRUNGCHARAK, HOSPITALS, THAILAND

- Provided expert oculoplastic surgeons.
- Provided instrument and some medicines for surgery

3. LAO REHABILITATION FOUNDATION

- Provided funding for medical equipment and medicine needed for anesthesia and post-surgery medicine..
- Provided funding for blood testing, ECG, pre-surgery.

VI. METHODOLOGY

- The Lao team and local staff from Oudomxay provincial hospital (ophthalmologist, anesthesiologists, assistant nurses) worked together with Thai experts, LRF team to treat patients with eyelid diseases, Nasolacrimal duct obstruction, and glaucoma. Examined and recorded observations before surgery for all cases who registered. Services were free of charge for all patients.
- Examination and surgery was performed by Thai specialists and a Lao ophthalmologist with manual and automated equipment.
- Separated surgery cases by general anesthesia and local anesthesia.
- Treatment was provided with the best medicine available and proper operating procedures.
 - Nasolacrimal duct obstruction was performed by external DCR technique.
 - Severe eyelid and other cases were provided with proper operating procedure and quality medicine.
- Instructed Lao ophthalmologist through observation and practice.
- Post-surgery care was provided. Thai experts were informed of post surgery progress.

VII. RESULT

A total of **28** patients registered, 24 cases were examined. Surgery was performed on 19 cases (Female: 10) which included:

- 3 severe eyelid diseases
- 1 congenital ptosis
- 5 eyelid diseases (dermatochalasis, scar tractional eye lid)
- 6 nasolacrimal ducts obstruction
- 2 glaucoma
- 2 cases of eye injury

VIII. BUDGET AND ACTUAL EXPENDITURE

The total budget : **7,255 USD.**

The total actual expenditure: **7,849 USD** (seven thousand eight hundred and forty nine USD). The actual budget included:

- Transportation and accommodation for Thai team: 2,880 USD.
- Transportation and accommodation for LRF team: 1,110 USD.
- Instrument and medicine: 2,300 USD.
- Instrument and medicine for anesthesia: 1,329 USD.
- Other: 361 USD.

(Details on attached file)

IX. ACCOMPLISHMENTS, WEAKNESSES AND RECOMMENDATIONS

1. ACCOMPLISHMENTS

- Good cooperation between Oudomxay Hospital with Bumrungrad International Hospital, Metapasarak hospital, Jaroenkrungpracharak Hospital, Thailand and Lao Rehabilitation Foundation, USA.
- Patients with severe eyelid diseases who otherwise would not have access to treatment in Laos have received treatment.
- Important for the treatment and prevention of blindness in Lao people and particularly for those living in poverty.
- Thai experts provided education and hands-on experience to Lao doctors.

2. WEAKNESSES

- It took too much time to transport the Thai team from Bangkok to Luang Prabang to Oudomxay (7 hours).
- One case of a poor little girl could not have eyelid reconstruction because she had chronic infection on maxillary sinus, we should consider consulting and referring the patient for surgery in Thailand or abroad.
- Limited number of nurse assistants in operating room, expert and LRF team had to take care of many things by themselves.
- The actual expenditure for anesthesia increased sharply because of unforeseen general anesthesia medicine.

3. RECOMMENDATIONS

- Add more nurse assistance on the team.
- Allow more time for activities.

X. NEXT MISSION PLANNING

1. ACTIVITIES:

- 1.1 Oculoplastic surgery
- 1.2 Nasolacrimal duct obstruction surgery by External Dacryocystorhinostomy
- 1.3 Glaucoma surgery by trabeculectomy
- 1.4 Cataract surgery by Phacoemulsification.
- 1.5 Provide education and hands-on experience to Lao ophthalmologists.

2. LOCATION:

- At Luang Prabang Eye Hospital, Luang Prabang province, Lao PDR.

3. DURATION:

- October, 2014 or under consideration

Director of Oudomxay Provincial Hospital



ດຣ. ສຸວັນທອງ ແສນວັນນະຄຳ
Dr. Souvanthong SENVANNAKHAM

Reporter

ດຣ. ເພັດສະໝອນ ອິນດາລາ
Phetsamone INDARA, MD.

ATTACHED FILES